

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052019\
 Data File : VD062460.D
 Acq On : 20 May 2019 17:04
 Operator : FY/SY
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD052019

Quant Time: May 20 17:28:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 20 17:01:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	781164	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.24	114	1097144	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	862305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	453446	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	432822	51.76	ug/l	0.00
Spiked Amount			Recovery	=	103.52%	
35) Dibromofluoromethane	6.94	113	511845	51.71	ug/l	0.00
Spiked Amount			Recovery	=	103.42%	
50) Toluene-d8	10.43	98	1163504	53.72	ug/l	0.00
Spiked Amount			Recovery	=	107.44%	
62) 4-Bromofluorobenzene	13.56	95	495250	52.27	ug/l	0.00
Spiked Amount			Recovery	=	104.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	371028	50.856	ug/l	100
3) Chloromethane	1.76	50	269268	49.758	ug/l	98
4) Vinyl Chloride	1.85	62	265856	46.686	ug/l	100
5) Bromomethane	2.16	94	137235	55.849	ug/l	98
6) Chloroethane	2.28	64	127347	46.229	ug/l	98
7) Trichlorofluoromethane	2.54	101	626943	47.650	ug/l	99
8) Diethyl Ether	2.89	74	83904	47.273	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.15	101	410968	52.502	ug/l	96
10) Methyl Iodide	3.32	142	570619	52.280	ug/l #	85
11) Tert butyl alcohol	4.10	59	96453	249.898	ug/l	98
12) 1,1-Dichloroethene	3.13	96	312284	53.981	ug/l	85
13) Acrolein	3.05	56	67189	209.620	ug/l	94
14) Allyl chloride	3.64	41	466979	54.746	ug/l #	82
15) Acrylonitrile	4.22	53	245112	277.142	ug/l #	84
16) Acetone	3.23	43	424680	283.417	ug/l #	82
17) Carbon Disulfide	3.39	76	919699	52.493	ug/l	99
18) Methyl Acetate	3.66	43	132018	51.058	ug/l	97
19) Methyl tert-butyl Ether	4.27	73	703012	52.614	ug/l #	91
20) Methylene Chloride	3.83	84	318823	49.849	ug/l	94
21) trans-1,2-Dichloroethene	4.24	96	360425	53.219	ug/l	92
22) Diisopropyl ether	5.14	45	1016706	55.998	ug/l	94
23) Vinyl Acetate	5.08	43	3045284	277.577	ug/l	98
24) 1,1-Dichloroethane	5.00	63	626817	53.605	ug/l	100
25) 2-Butanone	6.10	43	449349	286.718	ug/l	93
26) 2,2-Dichloropropane	6.05	77	696590	55.263	ug/l	94
27) cis-1,2-Dichloroethene	6.06	96	417344	57.149	ug/l	92
28) Bromochloromethane	6.46	49	215366	51.317	ug/l	95
29) Tetrahydrofuran	6.48	42	203274	271.582	ug/l	95
30) Chloroform	6.69	83	787689	52.838	ug/l	100
31) Cyclohexane	6.97	56	429093	54.348	ug/l	97
32) 1,1,1-Trichloroethane	6.89	97	793444	52.719	ug/l	99
36) 1,1-Dichloropropene	7.17	75	529199	50.451	ug/l	96
37) Ethyl Acetate	6.20	43	207502	50.921	ug/l #	92
38) Carbon Tetrachloride	7.13	117	850681	52.941	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	497898	57.549	ug/l	93
40) Benzene	7.47	78	1079602	52.471	ug/l	97
41) Methacrylonitrile	6.48	41	256228	50.066	ug/l #	78
42) 1,2-Dichloroethane	7.60	62	531696	48.801	ug/l	94
43) Isopropyl Acetate	9.25	43	282288	52.219	ug/l #	98
44) Trichloroethene	8.56	130	427797	51.929	ug/l	84
45) 1,2-Dichloropropane	8.96	63	279341	55.711	ug/l	96
46) Dibromomethane	9.08	93	225668	49.651	ug/l	95
47) Bromodichloromethane	9.39	83	578616	50.043	ug/l	99
48) Methyl methacrylate	9.14	41	190593	52.391	ug/l #	83
49) 1,4-Dioxane	9.10	88	36578	1120.971	ug/l #	94
51) 4-Methyl-2-Pentanone	10.32	43	873960	244.722	ug/l	95
52) Toluene	10.52	92	741511	52.644	ug/l	100
53) t-1,3-Dichloropropene	10.93	75	485535	50.439	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	536495	53.412	ug/l #	86
55) 1,1,2-Trichloroethane	11.20	97	248406	52.035	ug/l	98
56) Ethyl methacrylate	11.06	69	261005	51.144	ug/l #	88
57) 1,3-Dichloropropane	11.42	76	347853	47.513	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.87	63	600167	229.025	ug/l	98
59) 2-Hexanone	11.55	43	683684	263.411	ug/l	94
60) Dibromochloromethane	11.71	129	460201	50.190	ug/l	96
61) 1,2-Dibromoethane	11.82	107	305601	51.945	ug/l	91
64) Tetrachloroethene	11.27	164	391214	54.184	ug/l	96
65) Chlorobenzene	12.41	112	861630	51.960	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	426397	55.705	ug/l	96
67) Ethyl Benzene	12.53	91	1644995	57.593	ug/l	97
68) m/p-Xylenes	12.68	106	1080841	105.420	ug/l	89
69) o-Xylene	13.06	106	505374	52.242	ug/l	93
70) Styrene	13.08	104	903941	54.928	ug/l	95
71) Bromoform	13.24	173	287193	56.496	ug/l	98
73) Isopropylbenzene	13.42	105	1485401	51.969	ug/l	98
74) N-amyl acetate	13.27	43	390763	55.354	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.71	83	260946	50.605	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	281076	52.625	ug/l	99
77) Bromobenzene	13.68	156	441951	54.507	ug/l	95
78) n-propylbenzene	13.78	91	1716260	51.838	ug/l	96
79) 2-Chlorotoluene	13.85	91	1100989	54.798	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	1381152	55.808	ug/l	92
81) trans-1,4-Dichloro-2-buten	13.49	75	78996	52.443	ug/l #	82
82) 4-Chlorotoluene	13.96	91	1298298	56.109	ug/l	92
83) tert-Butylbenzene	14.19	119	1478811	53.870	ug/l	91
84) 1,2,4-Trimethylbenzene	14.24	105	1244561	49.078	ug/l	90
85) sec-Butylbenzene	14.37	105	1582509	55.286	ug/l	97
86) p-Isopropyltoluene	14.50	119	1388571	53.530	ug/l	94
87) 1,3-Dichlorobenzene	14.46	146	713420	49.825	ug/l	98
88) 1,4-Dichlorobenzene	14.55	146	704889	51.016	ug/l	95
89) n-Butylbenzene	14.80	91	1355383	54.141	ug/l	94
90) Hexachloroethane	15.01	117	390869	54.523	ug/l	98
91) 1,2-Dichlorobenzene	14.81	146	666543	54.745	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	51340	52.453	ug/l	76

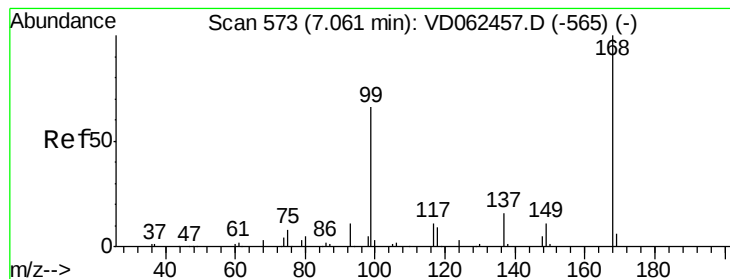
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	532104	55.503	ug/l	97
94) Hexachlorobutadiene	16.04	225	391112	55.252	ug/l	98
95) Naphthalene	16.13	128	768697	58.681	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	406630	51.739	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.01 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

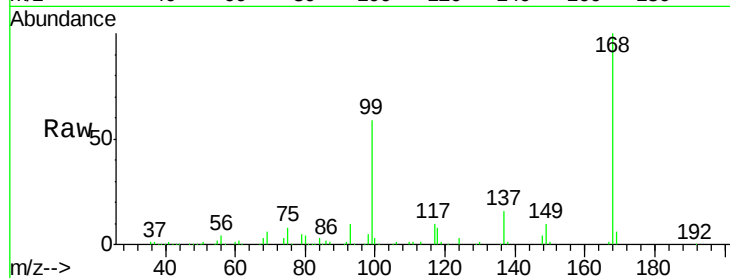
ICVVD052019

Tot Ion:168 Resp: 781164

Ion Ratio Lower Upper

168 100

99 59.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

300000

250000

200000

150000

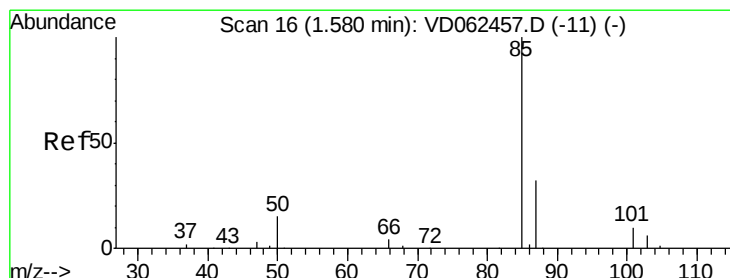
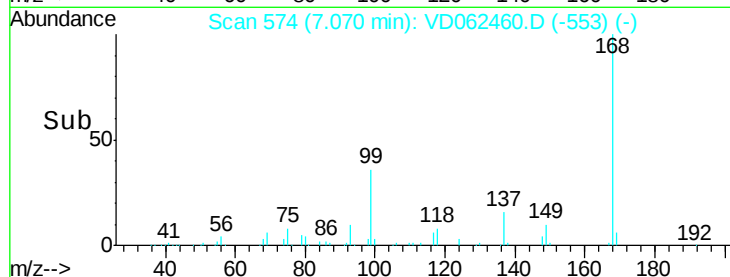
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 50.856 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.00 min

Lab File: VD062460.D

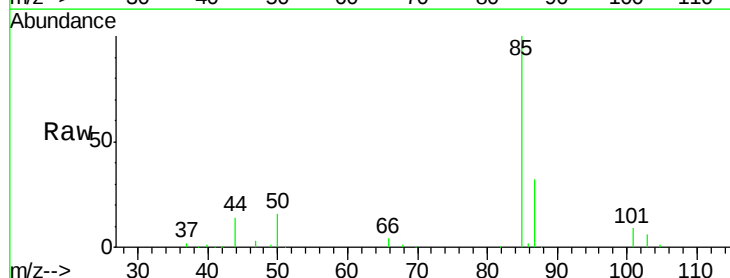
Acq: 20 May 2019 17:04

Tgt Ion: 85 Resp: 371028

Ion Ratio Lower Upper

85 100

87 32.5 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

200000

150000

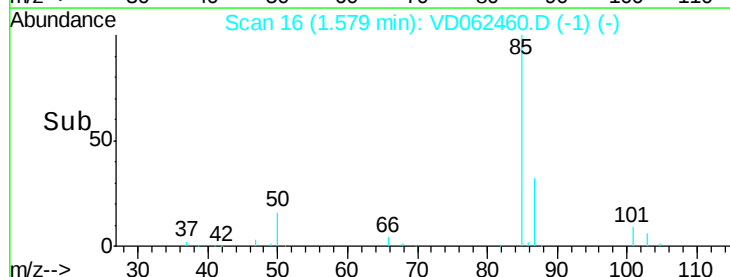
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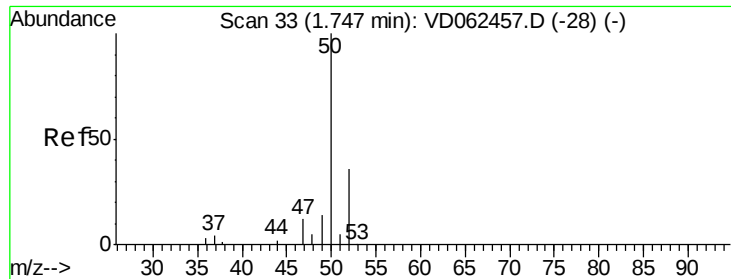
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 49.758 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.01 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

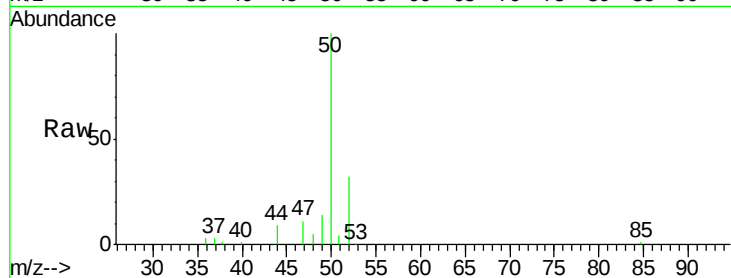
ICVVD052019

Tot Ion: 50 Resp: 269268

Ion Ratio Lower Upper

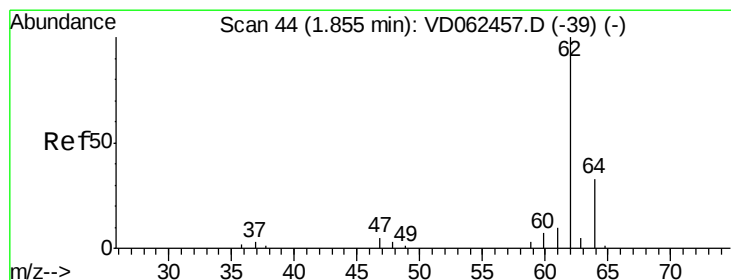
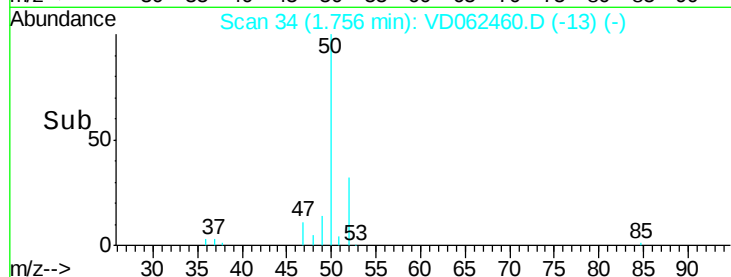
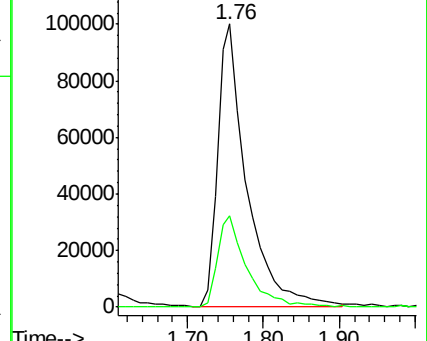
50 100

52 32.3 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 46.686 ug/l

RT: 1.85 min Scan# 44

Delta R.T. -0.00 min

Lab File: VD062460.D

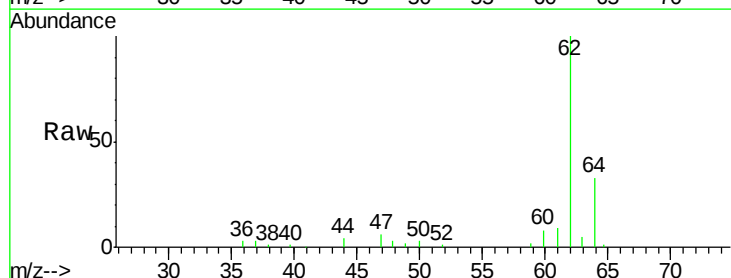
Acq: 20 May 2019 17:04

Tgt Ion: 62 Resp: 265856

Ion Ratio Lower Upper

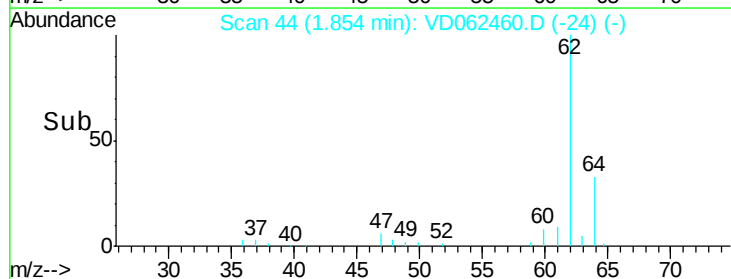
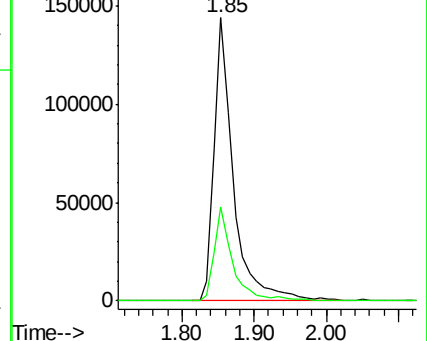
62 100

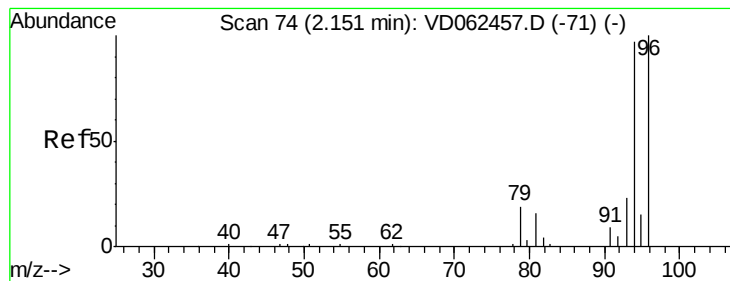
64 33.1 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 55.849 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.01 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

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ICVVD052019

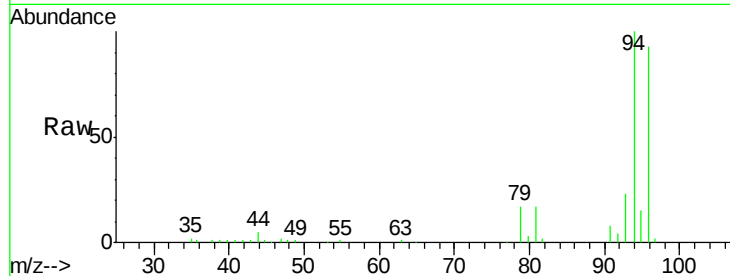
Tot Ion: 94 Resp: 137235

Ion Ratio Lower Upper

94 100

96 93.0 76.6 115.0

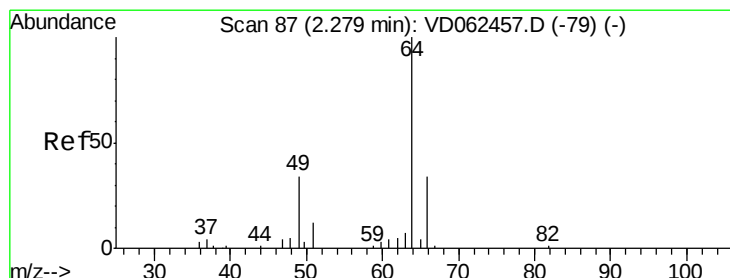
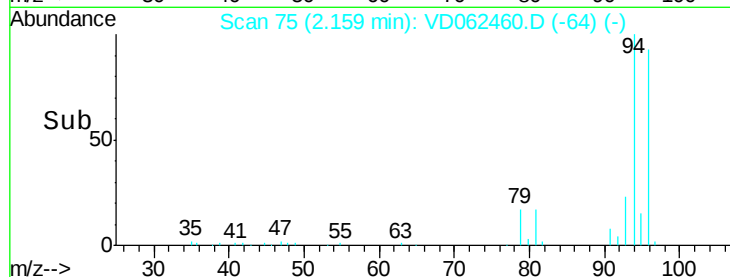
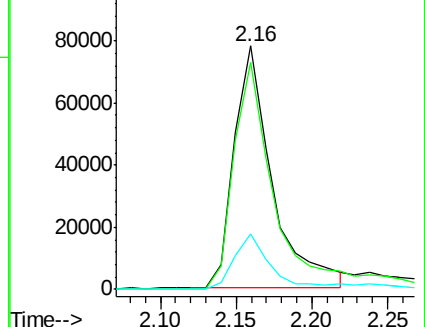
93 22.9 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 46.229 ug/l

RT: 2.28 min Scan# 87

Delta R.T. -0.00 min

Lab File: VD062460.D

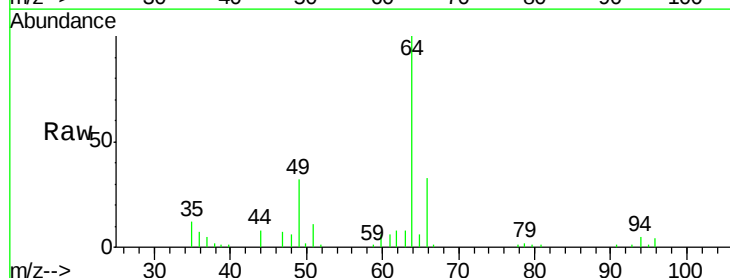
Acq: 20 May 2019 17:04

Tgt Ion: 64 Resp: 127347

Ion Ratio Lower Upper

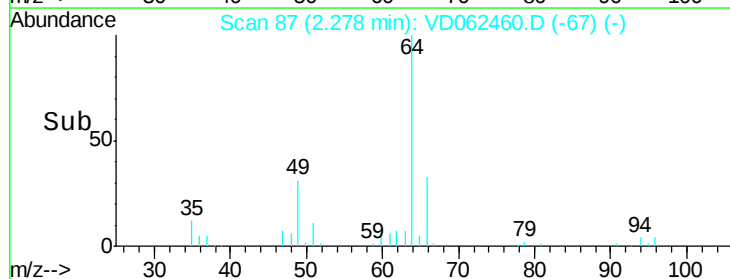
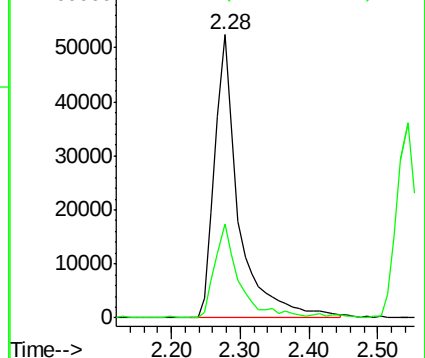
64 100

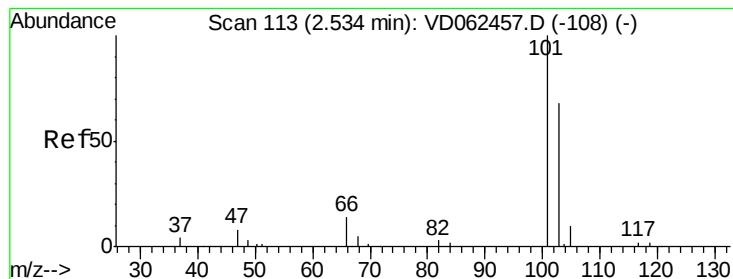
66 33.1 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



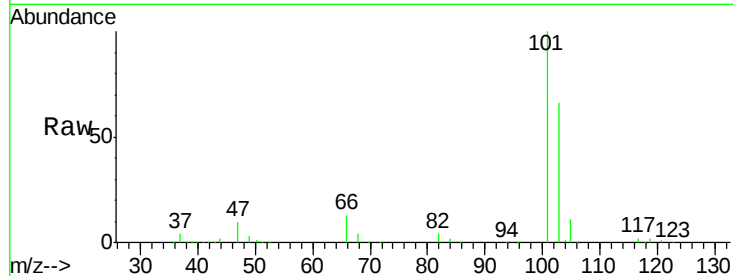


#7

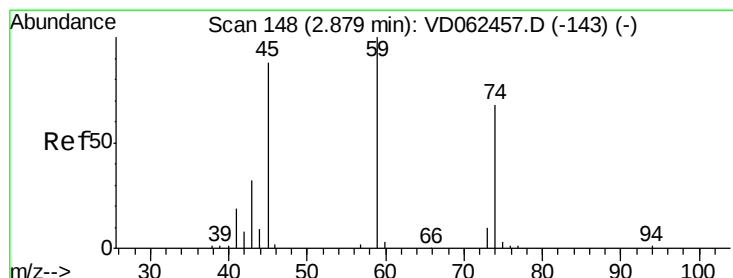
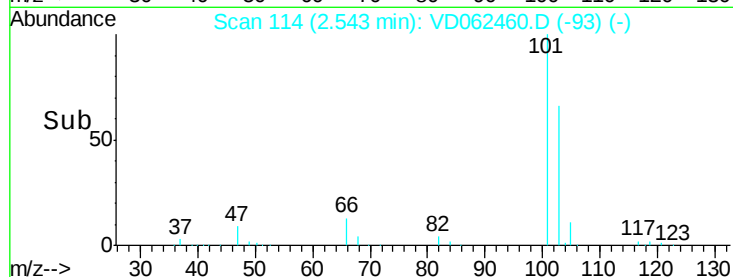
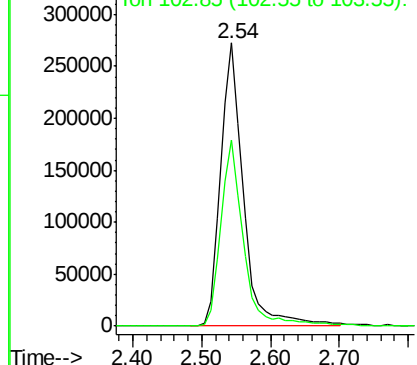
Trichlorofluoromethane
 Concen: 47.650 ug/l
 RT: 2.54 min Scan# 114
 Delta R.T. 0.01 min
 Lab File: VD062460.D
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Tot Ion:101 Resp: 626943
 Ion Ratio Lower Upper
 101 100
 103 65.9 53.6 80.4



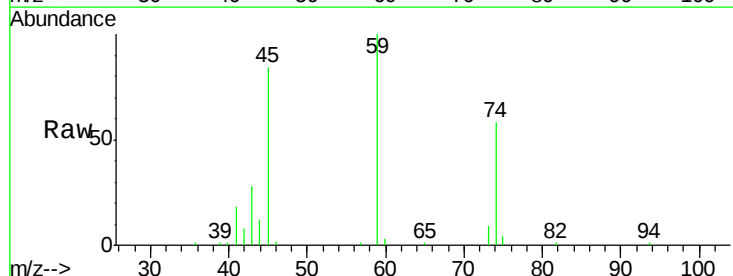
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



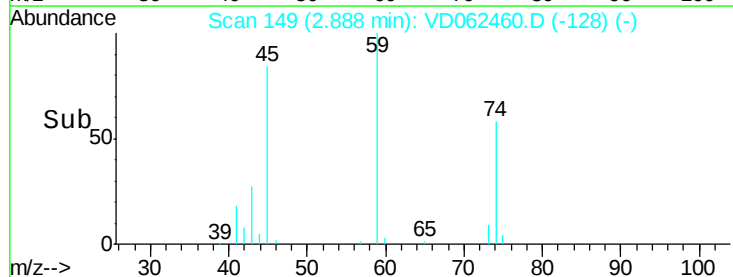
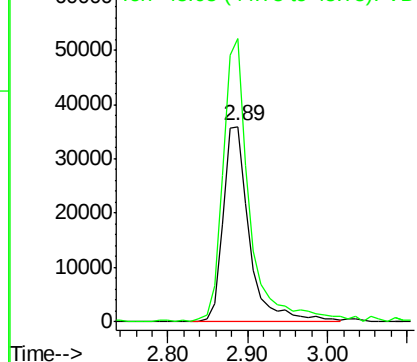
#8

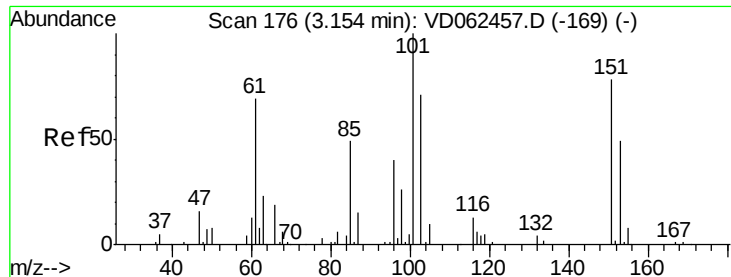
Diethyl Ether
 Concen: 47.273 ug/l
 RT: 2.89 min Scan# 149
 Delta R.T. 0.01 min
 Lab File: VD062460.D
 Acq: 20 May 2019 17:04

Tgt Ion: 74 Resp: 83904
 Ion Ratio Lower Upper
 74 100
 45 144.9 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.502 ug/l

RT: 3.15 min Scan# 176

Delta R.T. -0.00 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

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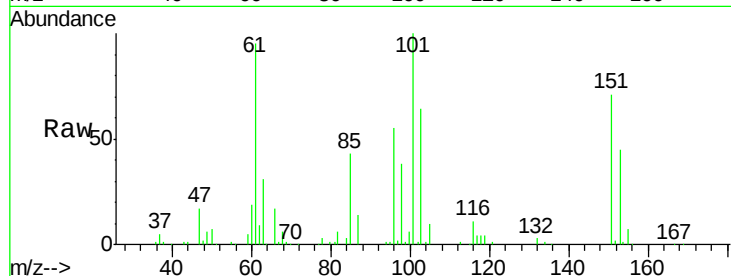
Tot Ion:101 Resp: 410968

Ion Ratio Lower Upper

101 100

85 42.8 32.4 48.6

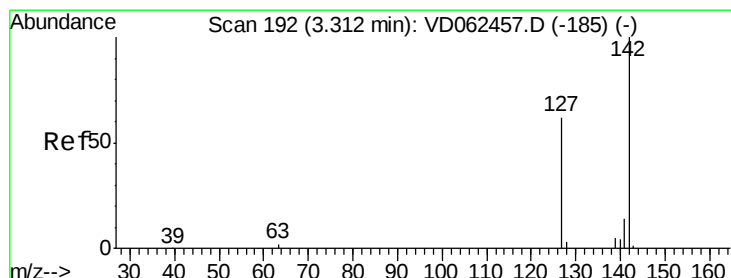
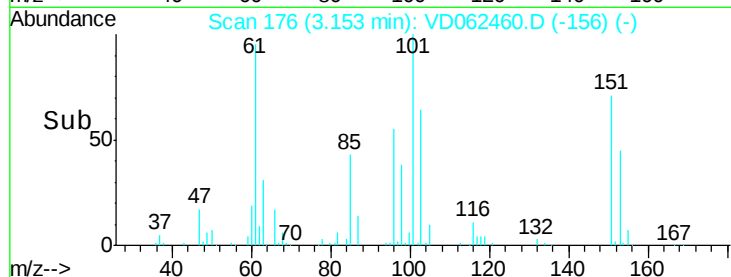
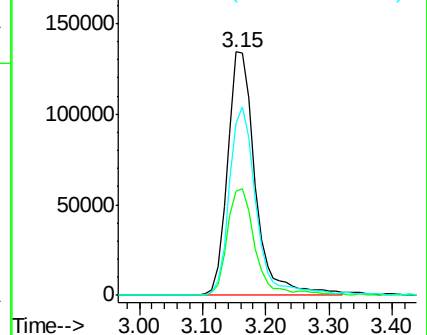
151 70.8 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 52.280 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.01 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

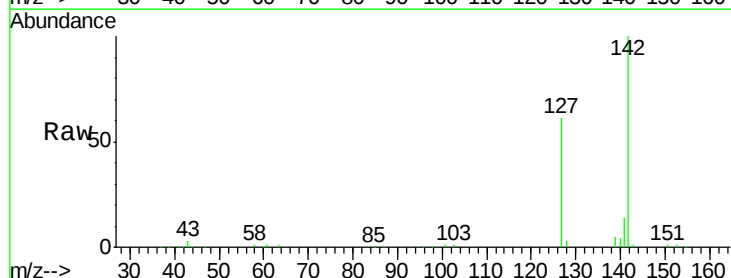
Tgt Ion:142 Resp: 570619

Ion Ratio Lower Upper

142 100

127 61.1 38.8 58.2#

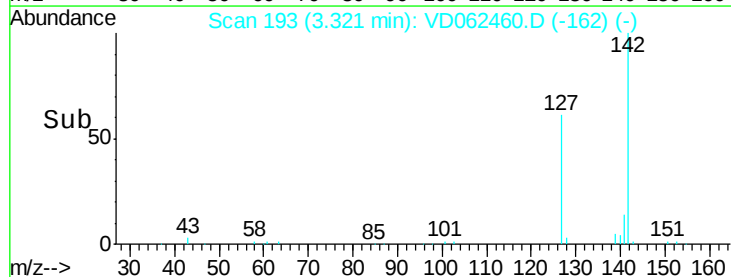
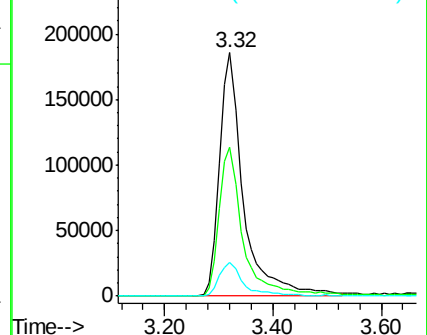
141 13.7 11.4 17.0

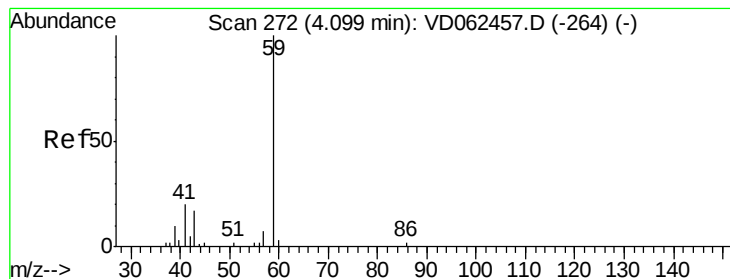


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



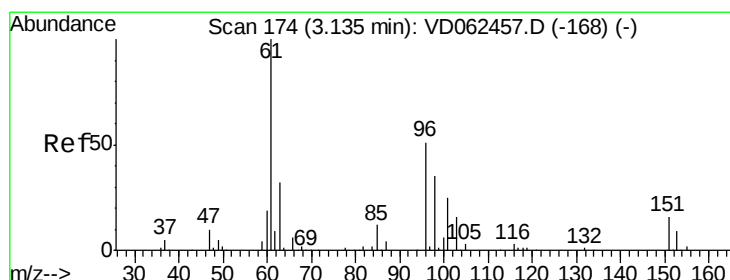
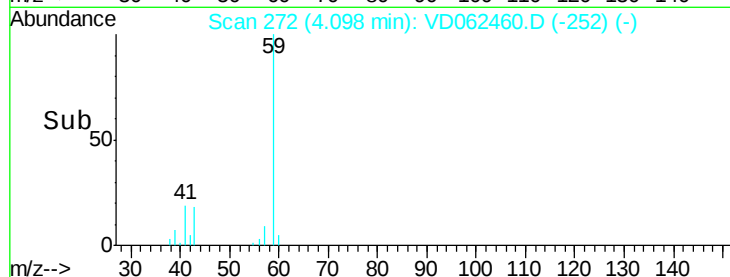
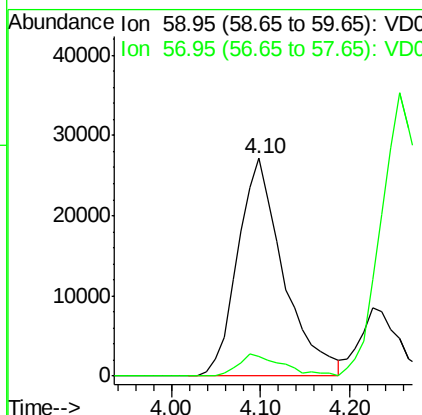
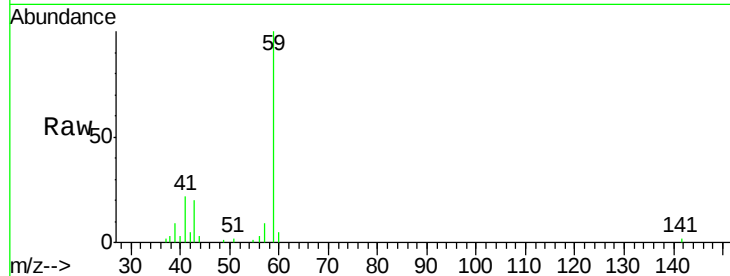


#11

Tert butyl alcohol
 Concen: 249.898 ug/l
 RT: 4.10 min Scan# 272
 Delta R.T. -0.00 min
 Lab File: VD062460.D
 Acq: 20 May 2019 17:04

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD052019

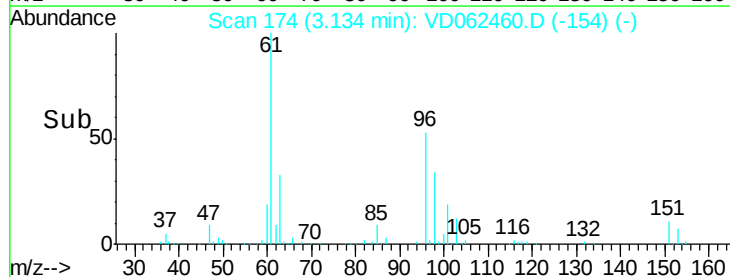
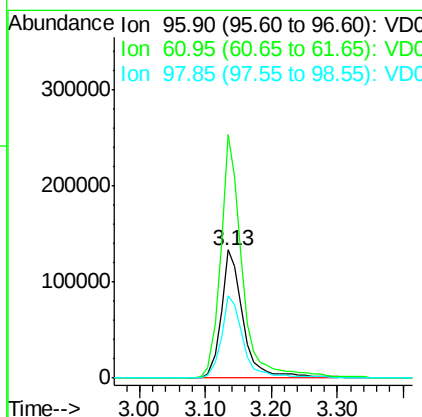
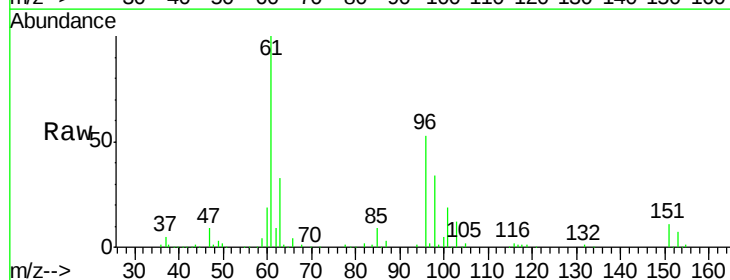
Tot Ion: 59 Resp: 96453
 Ion Ratio Lower Upper
 59 100
 57 9.2 6.9 10.3

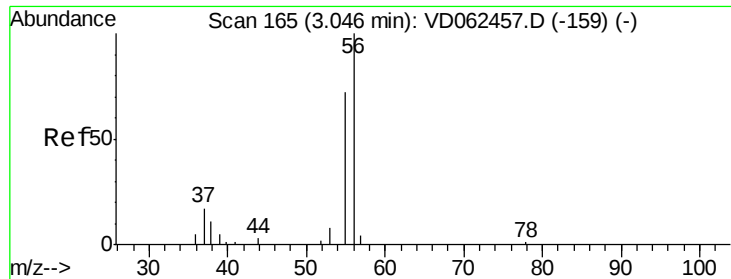


#12

1,1-Dichloroethene
 Concen: 53.981 ug/l
 RT: 3.13 min Scan# 174
 Delta R.T. -0.00 min
 Lab File: VD062460.D
 Acq: 20 May 2019 17:04

Tgt Ion: 96 Resp: 312284
 Ion Ratio Lower Upper
 96 100
 61 189.9 129.8 194.8
 98 64.0 51.2 76.8





#13

Acrolein

Concen: 209.620 ug/l

RT: 3.05 min Scan# 166

Delta R.T. 0.01 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

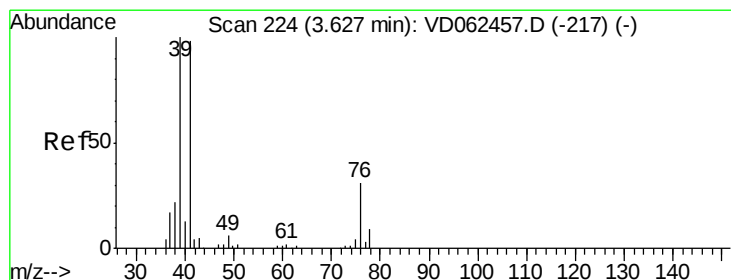
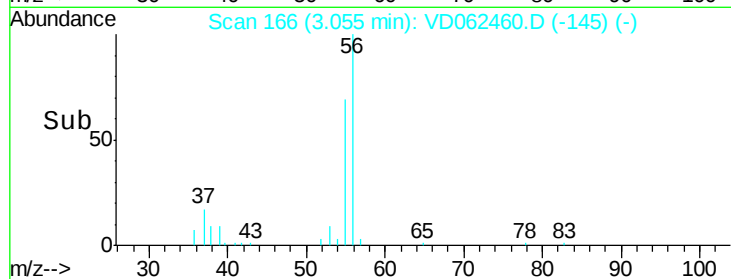
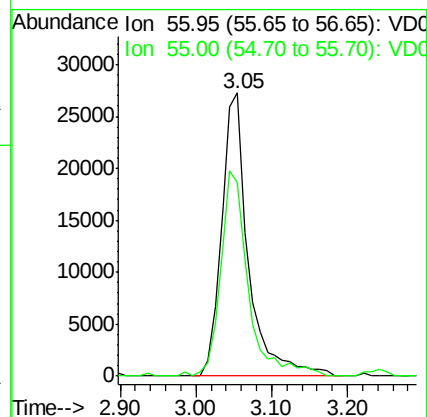
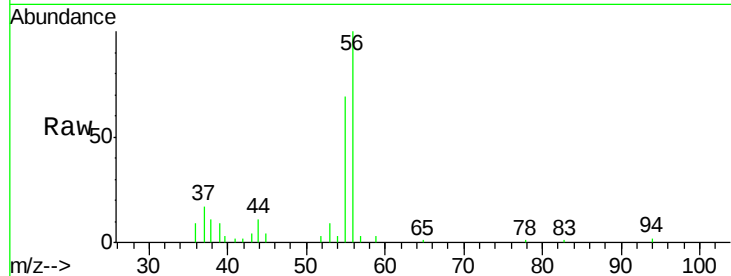
ICVVD052019

Tot Ion: 56 Resp: 67189

Ion Ratio Lower Upper

56 100

55 68.7 51.4 77.2



#14

Allyl chloride

Concen: 54.746 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

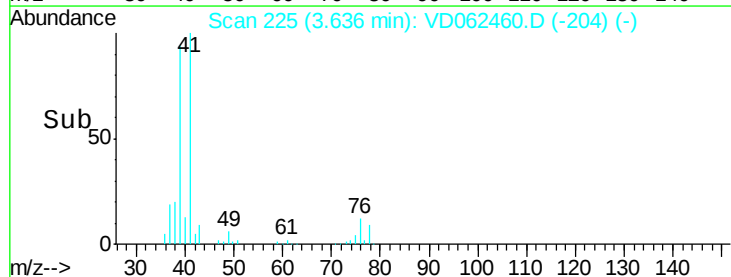
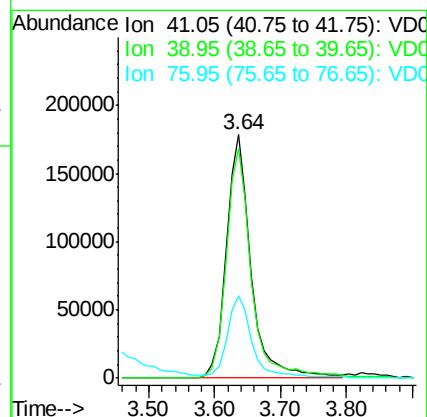
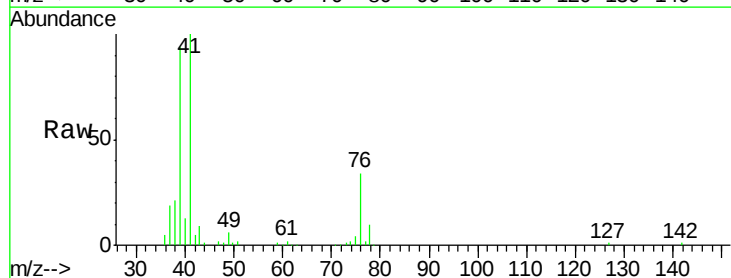
Tgt Ion: 41 Resp: 466979

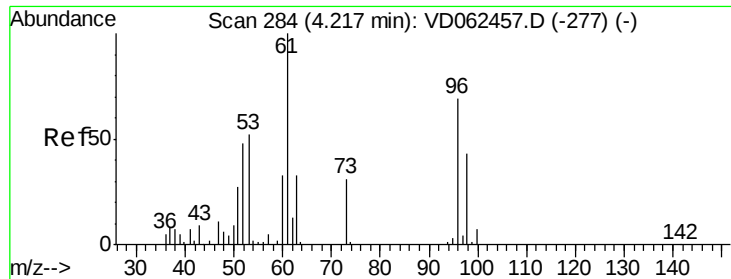
Ion Ratio Lower Upper

41 100

39 94.4 60.5 90.7#

76 34.0 31.8 47.8





#15

Acrylonitrile

Concen: 277.142 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

ICVVD052019

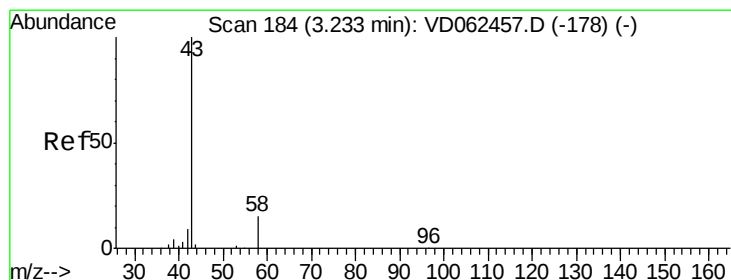
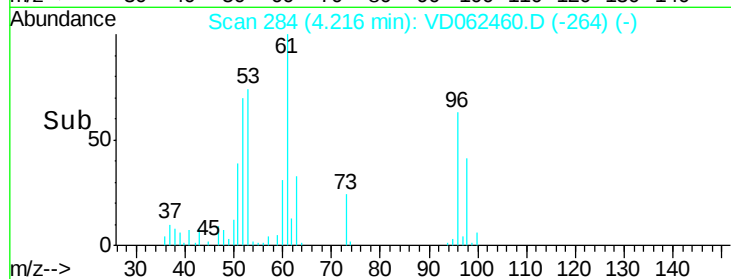
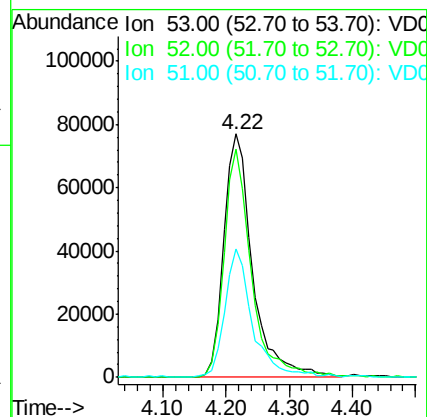
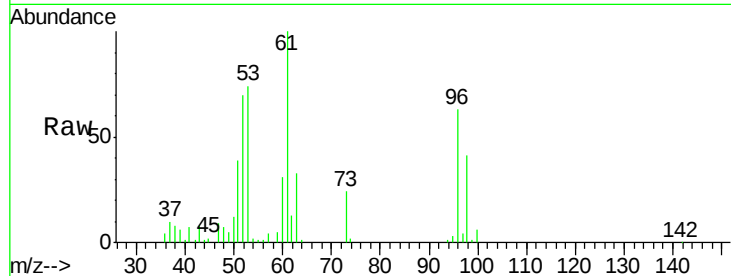
Tot Ion: 53 Resp: 245112

Ion Ratio Lower Upper

53 100

52 94.0 65.0 97.4

51 52.6 32.6 48.8#



#16

Acetone

Concen: 283.417 ug/l

RT: 3.23 min Scan# 184

Delta R.T. -0.00 min

Lab File: VD062460.D

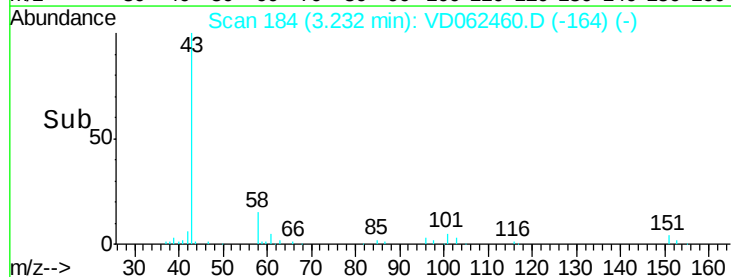
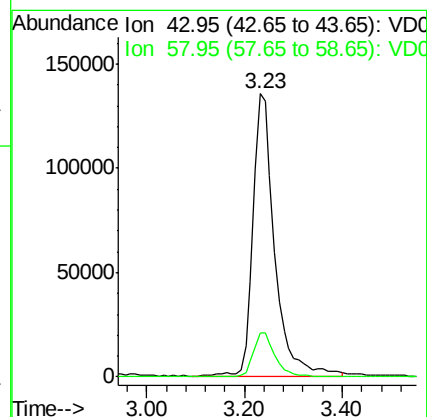
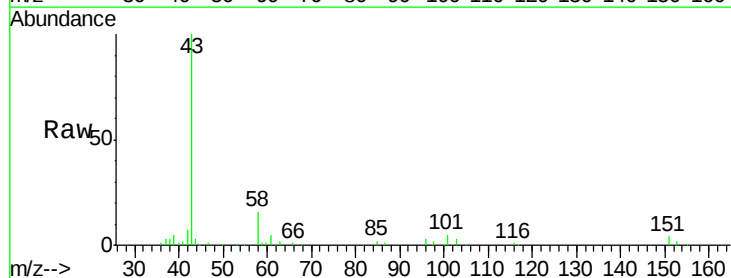
Acq: 20 May 2019 17:04

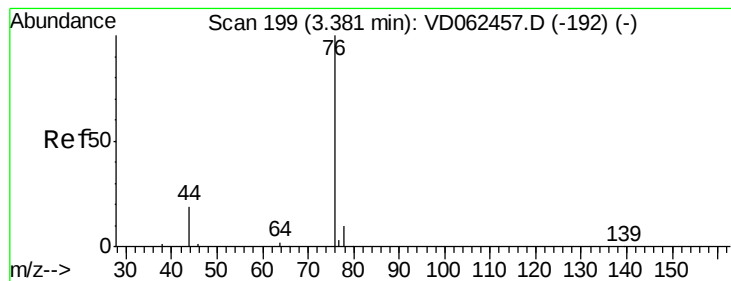
Tgt Ion: 43 Resp: 424680

Ion Ratio Lower Upper

43 100

58 15.6 19.9 29.9#





#17

Carbon Disulfide

Concen: 52.493 ug/l

RT: 3.39 min Scan# 200

Delta R.T. 0.01 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

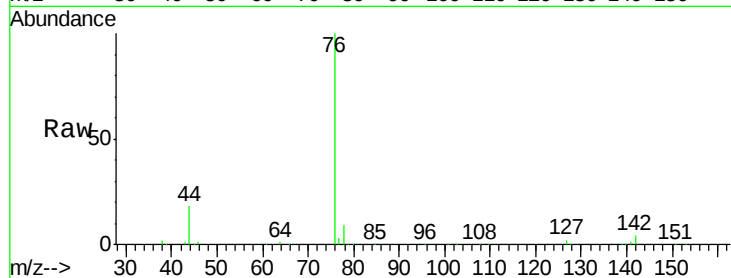
ICVVD052019

Tot Ion: 76 Resp: 919699

Ion Ratio Lower Upper

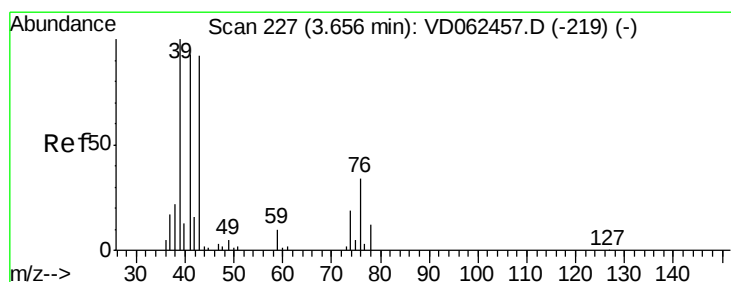
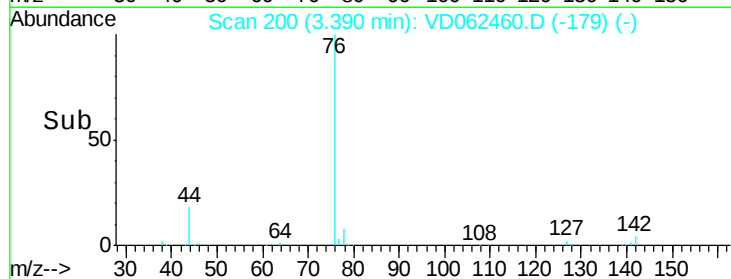
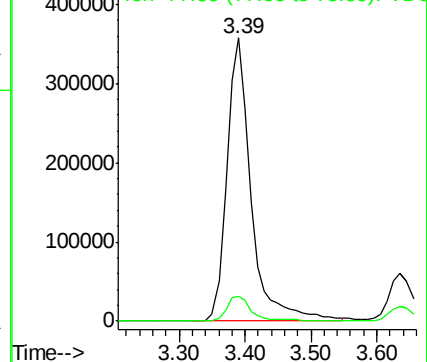
76 100

78 8.6 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 51.058 ug/l

RT: 3.66 min Scan# 227

Delta R.T. -0.00 min

Lab File: VD062460.D

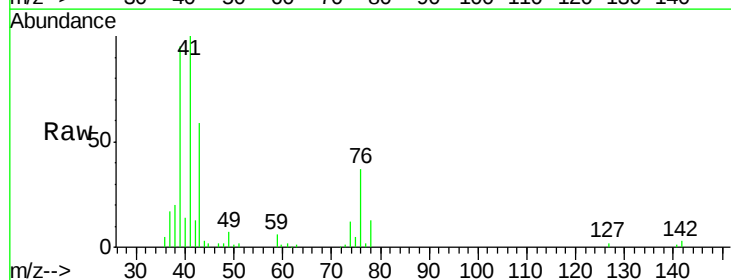
Acq: 20 May 2019 17:04

Tgt Ion: 43 Resp: 132018

Ion Ratio Lower Upper

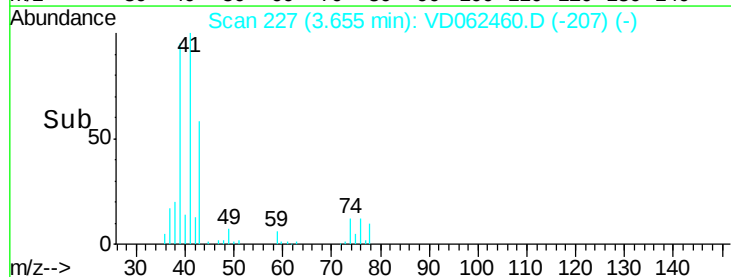
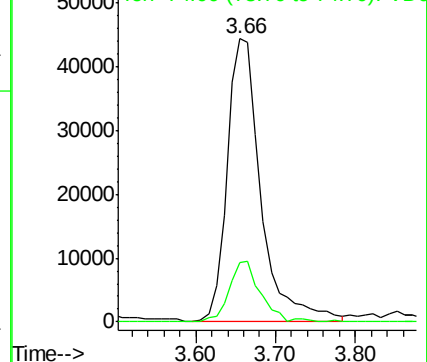
43 100

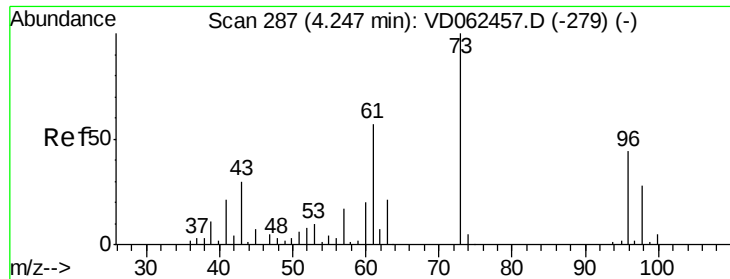
74 20.9 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

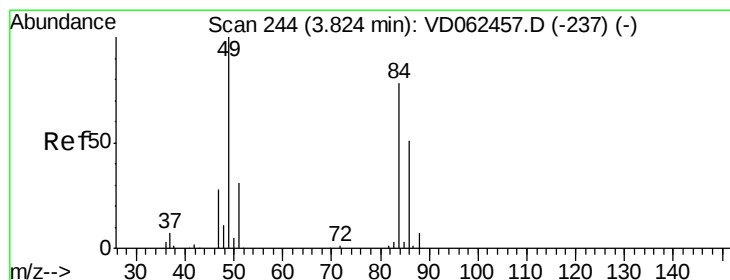
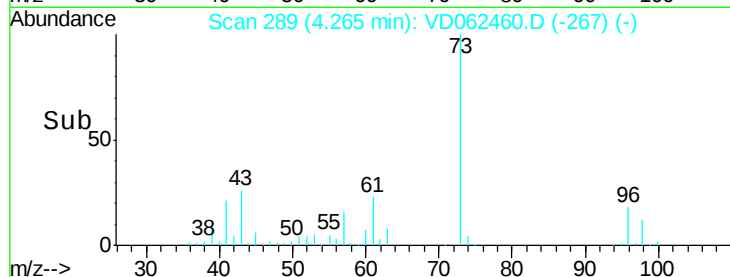
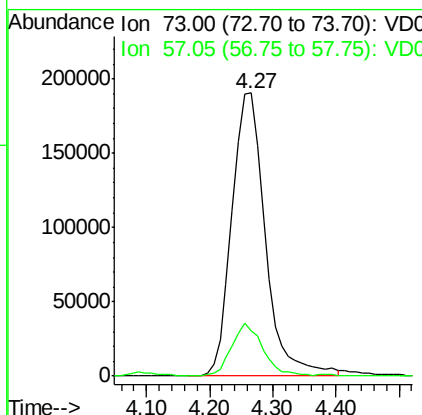
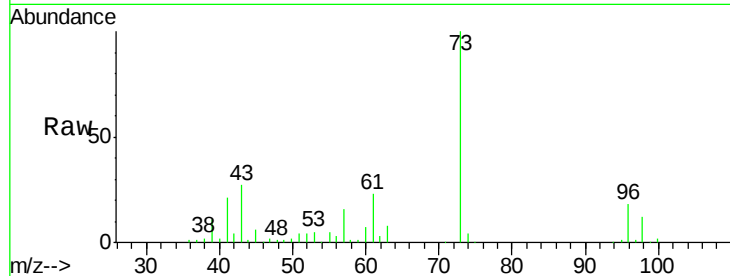




#19
Methvl tert-butvl Ether
Concen: 52.614 ug/l
RT: 4.27 min Scan# 289
Delta R.T. 0.02 min
Lab File: VD062460.D
Acq: 20 May 2019 17:04

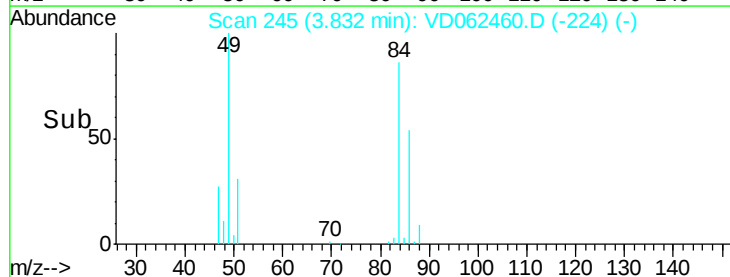
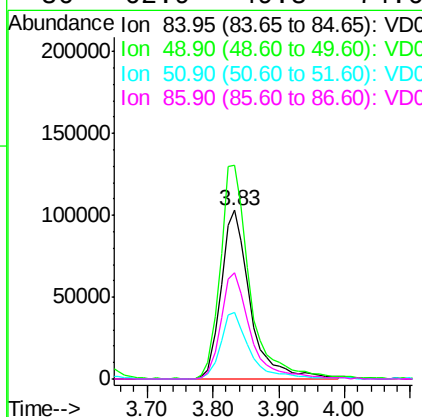
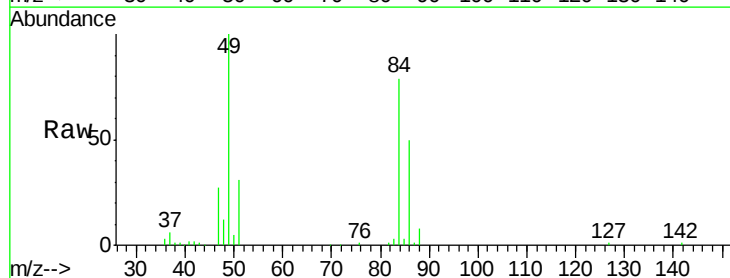
Instrument :
MSVOA_D
ClientSampleId :
ICVVD052019

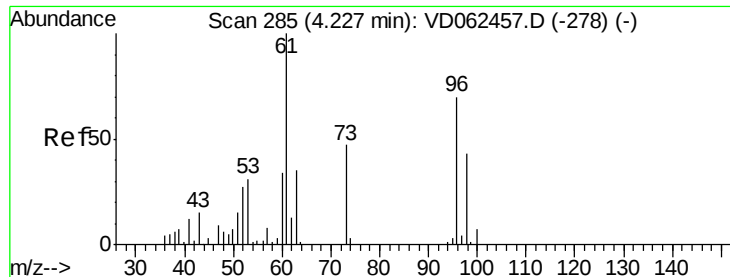
Tot Ion: 73 Resp: 703012
Ion Ratio Lower Upper
73 100
57 16.2 16.3 24.5#



#20
Methylene Chloride
Concen: 49.849 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.01 min
Lab File: VD062460.D
Acq: 20 May 2019 17:04

Tgt Ion: 84 Resp: 318823
Ion Ratio Lower Upper
84 100
49 126.6 94.0 141.0
51 39.5 29.0 43.4
86 62.9 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 53.219 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.01 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

ICVVD052019

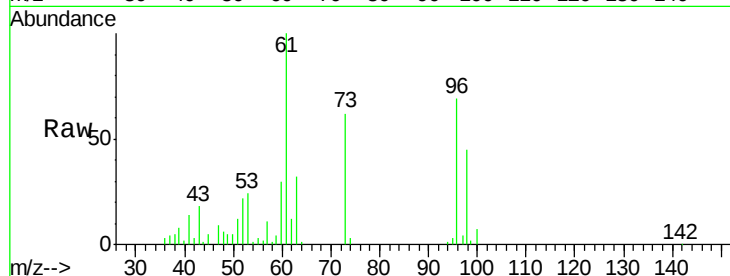
Tot Ion: 96 Resp: 360425

Ion Ratio Lower Upper

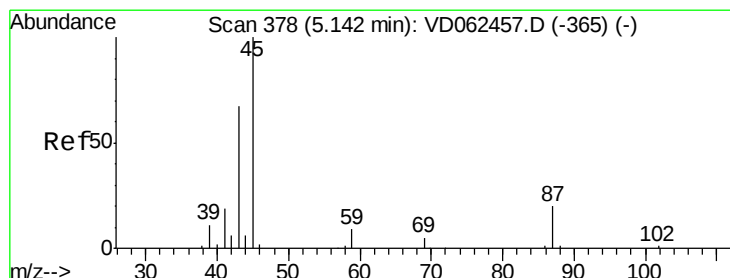
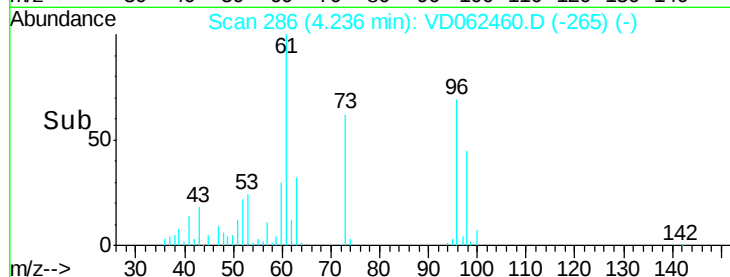
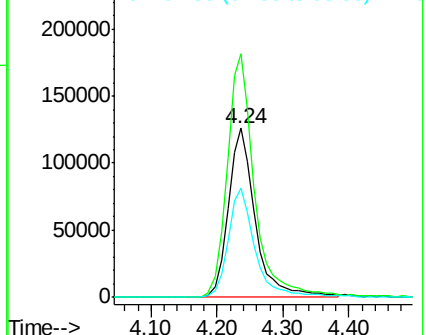
96 100

61 143.9 104.4 156.6

98 64.9 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 55.998 ug/l

RT: 5.14 min Scan# 378

Delta R.T. -0.00 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

Tgt Ion: 45 Resp: 1016706

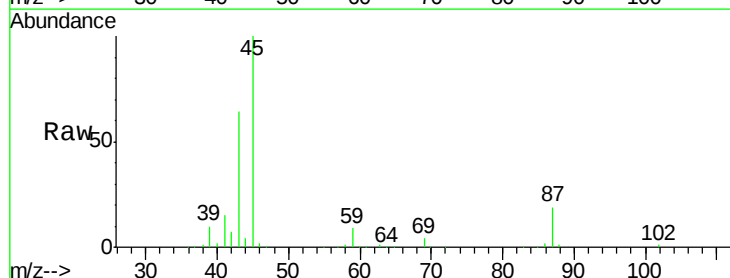
Ion Ratio Lower Upper

45 100

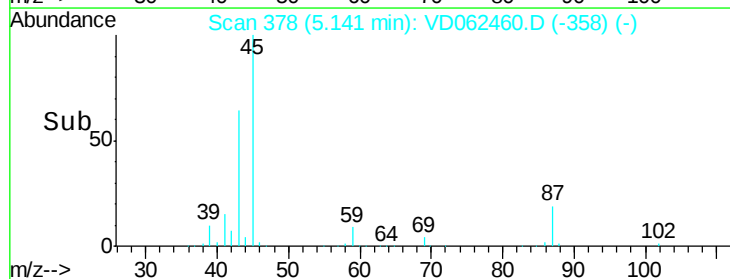
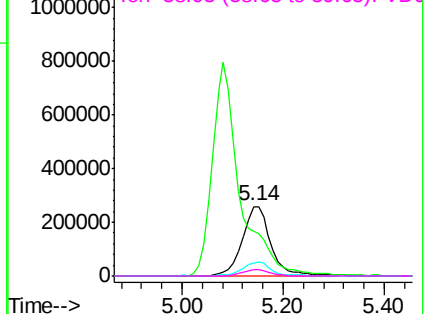
43 63.9 46.2 69.2

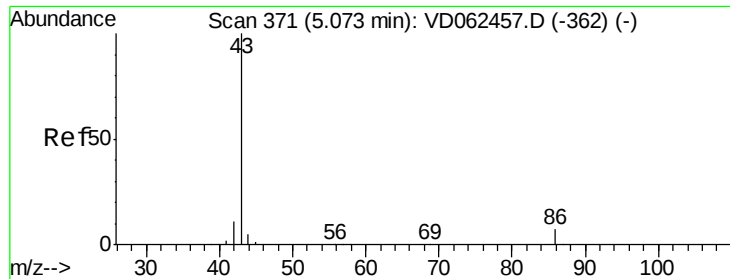
87 18.9 15.9 23.9

59 8.9 7.9 11.9



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 277.577 ug/l

RT: 5.08 min Scan# 372

Delta R.T. 0.01 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

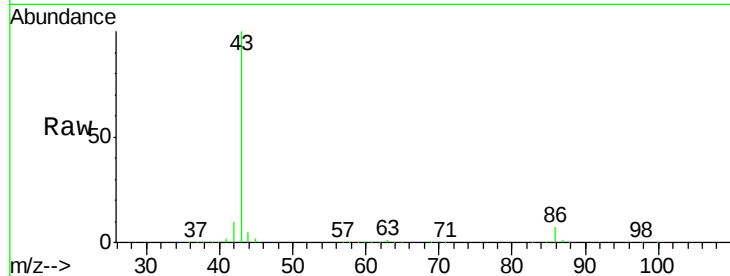
ICVVD052019

Tot Ion: 43 Resp: 3045284

Ion Ratio Lower Upper

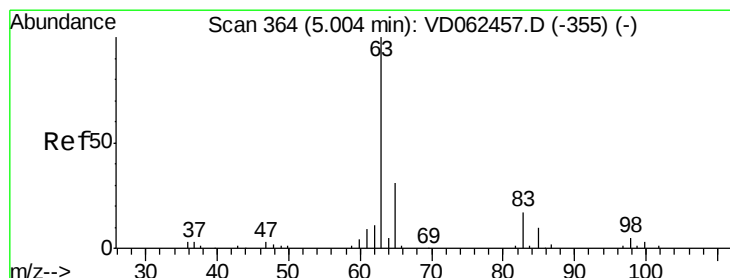
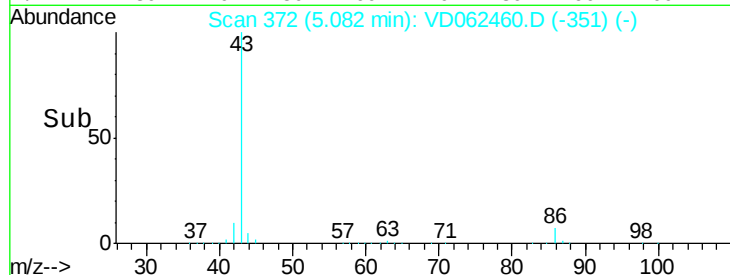
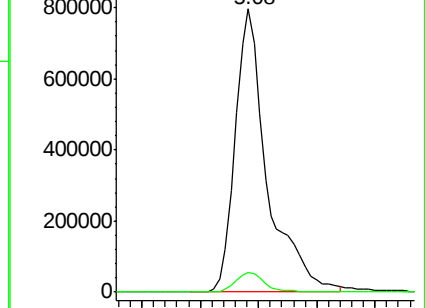
43 100

86 7.1 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 53.605 ug/l

RT: 5.00 min Scan# 364

Delta R.T. -0.00 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

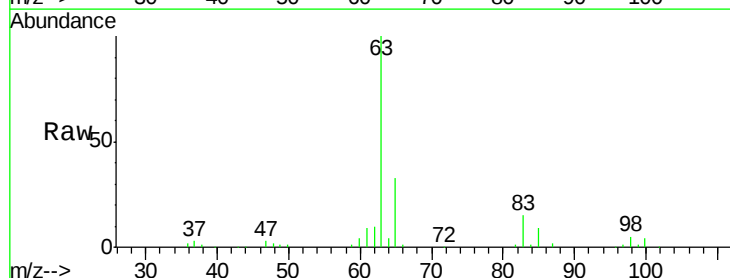
Tgt Ion: 63 Resp: 626817

Ion Ratio Lower Upper

63 100

98 5.4 2.8 8.4

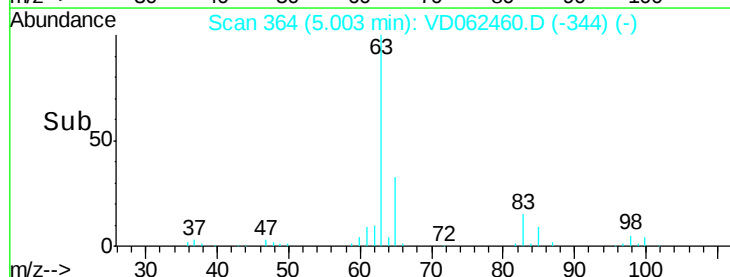
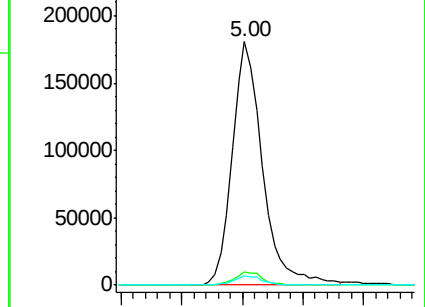
100 3.7 1.8 5.5

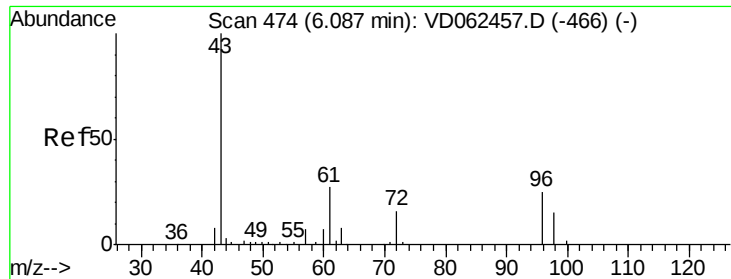


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 286.718 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

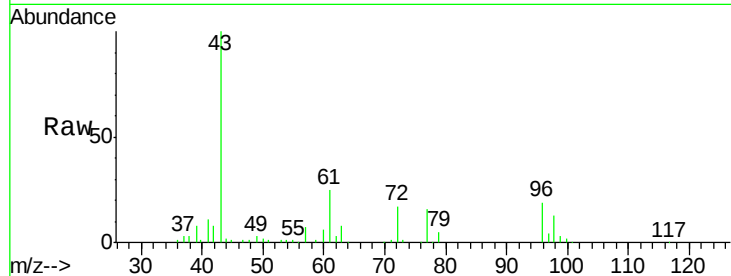
ICVVD052019

Tot Ion: 43 Resp: 449349

Ion Ratio Lower Upper

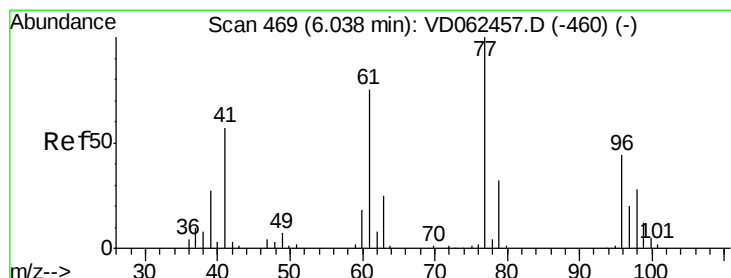
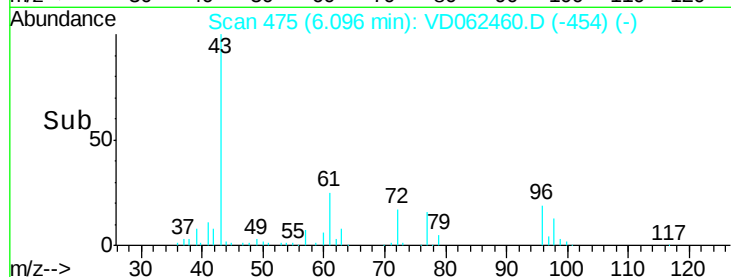
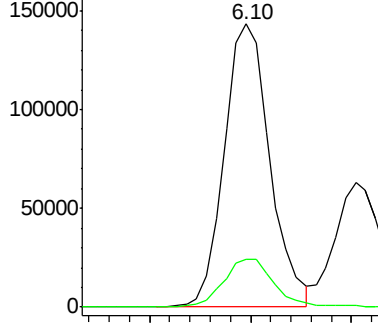
43 100

72 16.8 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 55.263 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD062460.D

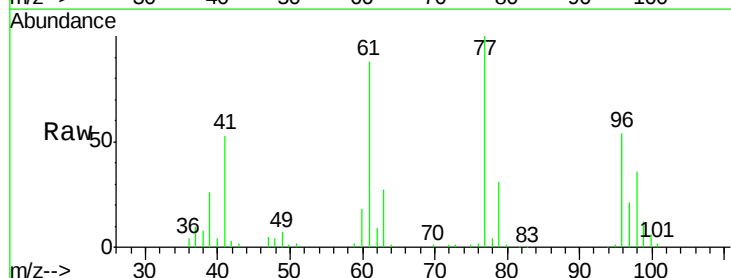
Acq: 20 May 2019 17:04

Tgt Ion: 77 Resp: 696590

Ion Ratio Lower Upper

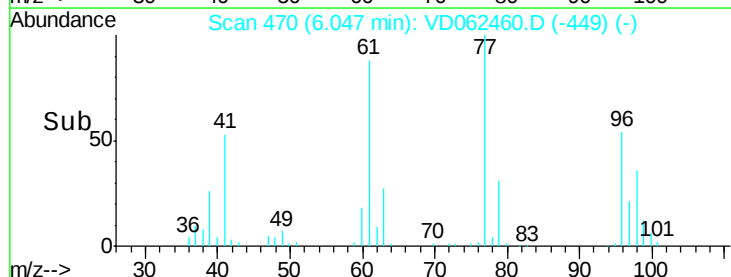
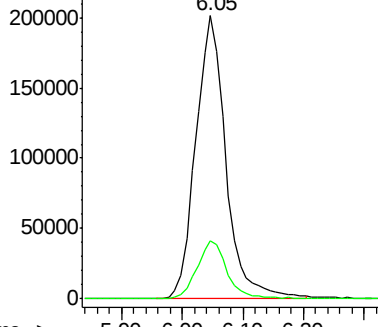
77 100

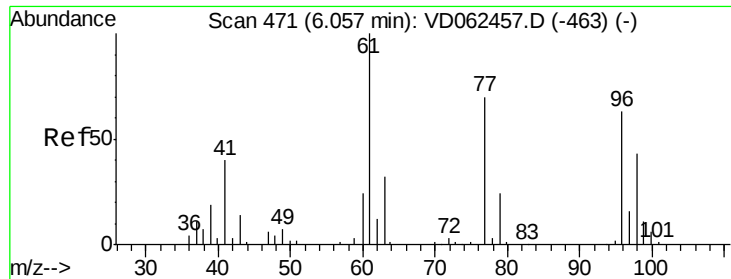
97 20.7 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



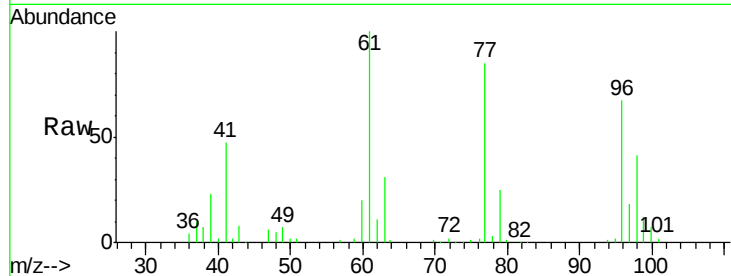


#27

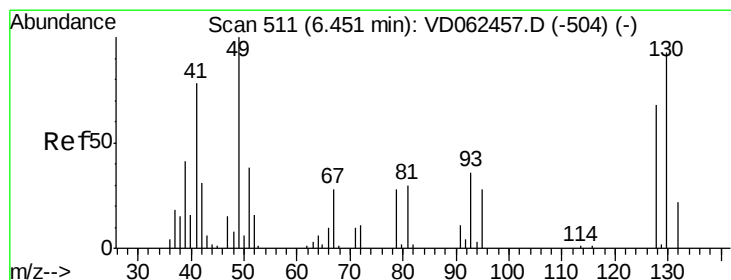
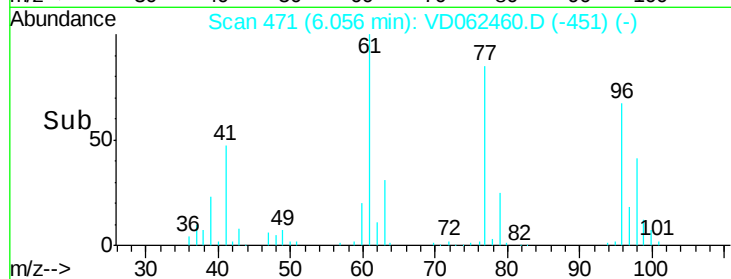
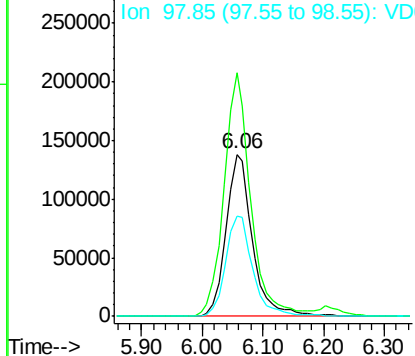
cis-1,2-Dichloroethene
Concen: 57.149 ug/l
RT: 6.06 min Scan# 471
Delta R.T. -0.00 min
Lab File: VD062460.D
Acq: 20 May 2019 17:04

Instrument :
MSVOA_D
ClientSampleId :
ICVVD052019

Tot Ion: 96 Resp: 417344
Ion Ratio Lower Upper
96 100
61 150.2 0.0 279.8
98 61.8 0.0 136.0



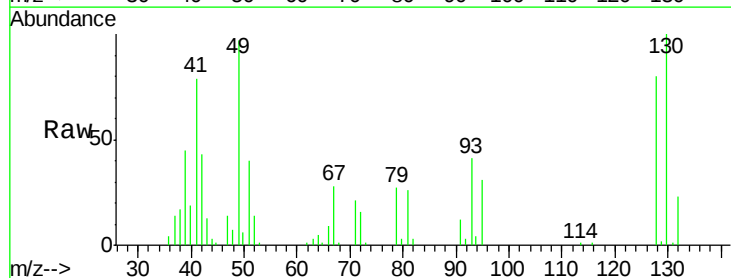
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



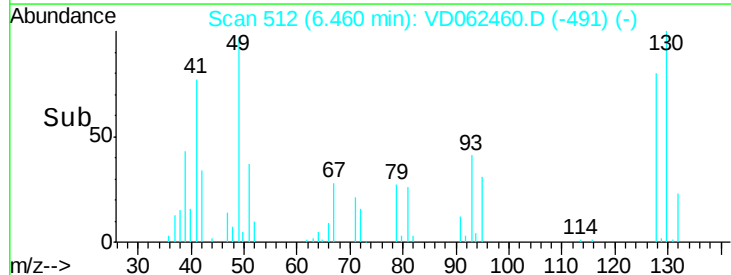
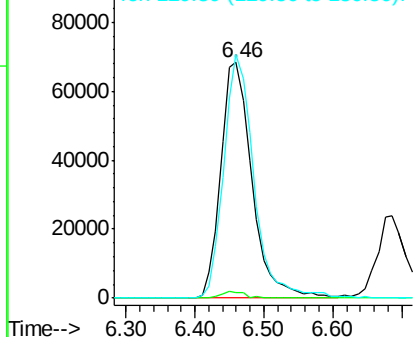
#28

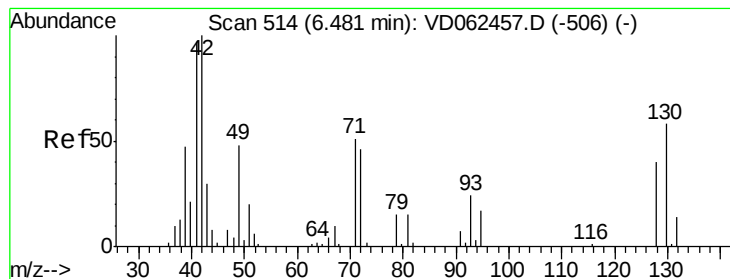
Bromochloromethane
Concen: 51.317 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.01 min
Lab File: VD062460.D
Acq: 20 May 2019 17:04

Tgt Ion: 49 Resp: 215366
Ion Ratio Lower Upper
49 100
129 2.5 0.0 6.6
130 103.4 86.7 130.1



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 271.582 ug/l

RT: 6.48 min Scan# 514

Delta R.T. -0.00 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

ICVVD052019

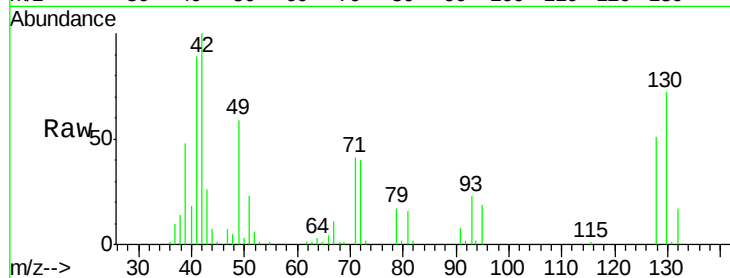
Tot Ion: 42 Resp: 203274

Ion Ratio Lower Upper

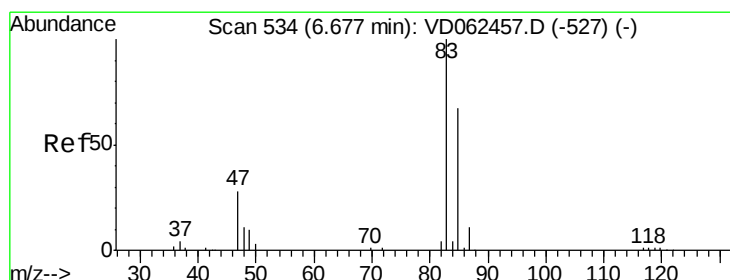
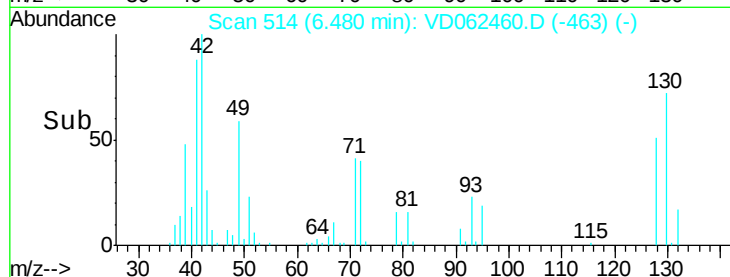
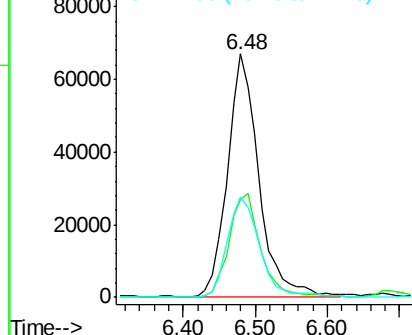
42 100

72 43.2 37.8 56.6

71 42.9 36.7 55.1



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 52.838 ug/l

RT: 6.69 min Scan# 535

Delta R.T. 0.01 min

Lab File: VD062460.D

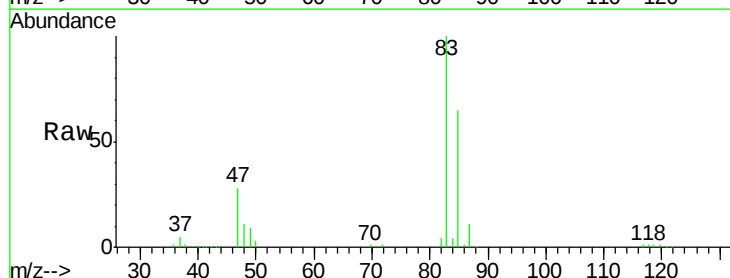
Acq: 20 May 2019 17:04

Tgt Ion: 83 Resp: 787689

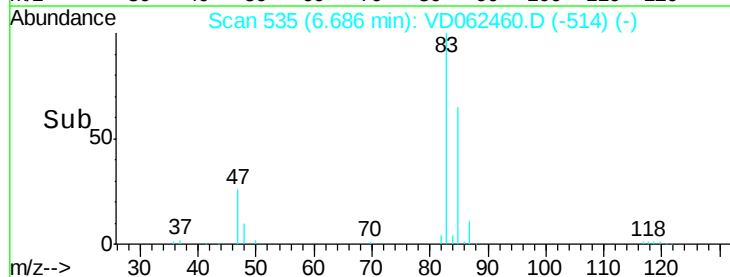
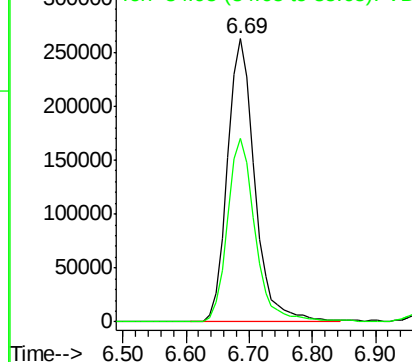
Ion Ratio Lower Upper

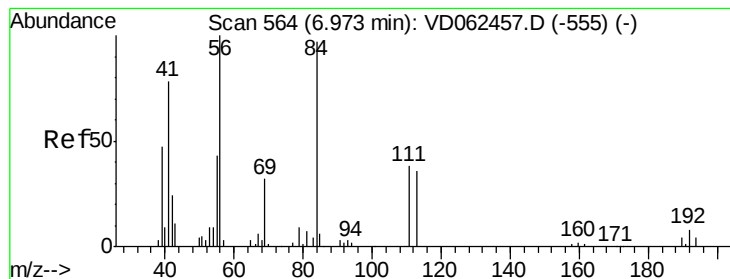
83 100

85 64.9 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 54.348 ug/l

RT: 6.97 min Scan# 564

Delta R.T. -0.00 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

ICVVD052019

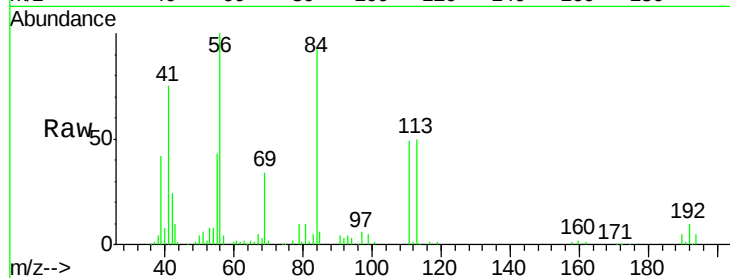
Tot Ion: 56 Resp: 429093

Ion Ratio Lower Upper

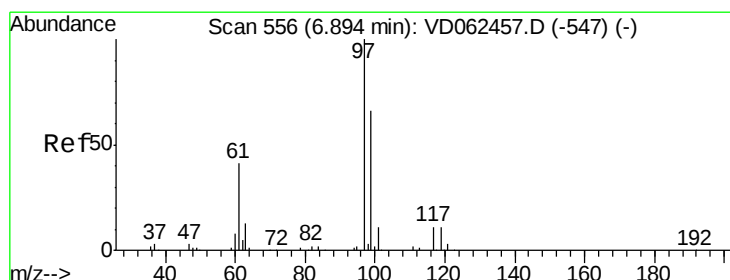
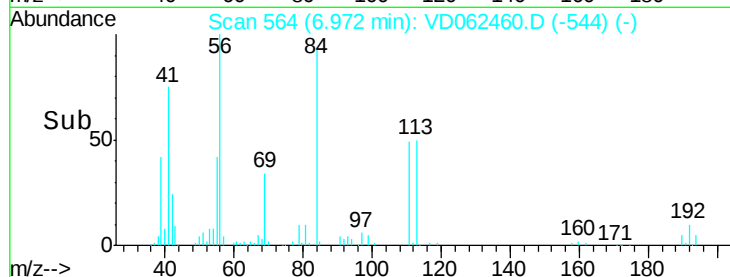
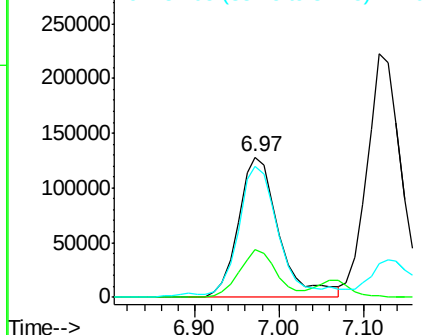
56 100

69 34.2 25.8 38.6

84 93.2 72.2 108.4



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 52.719 ug/l

RT: 6.89 min Scan# 556

Delta R.T. -0.00 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

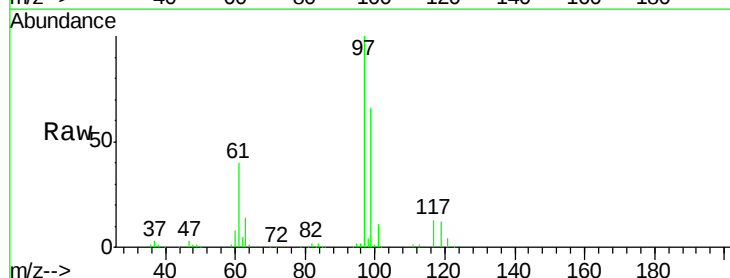
Tgt Ion: 97 Resp: 793444

Ion Ratio Lower Upper

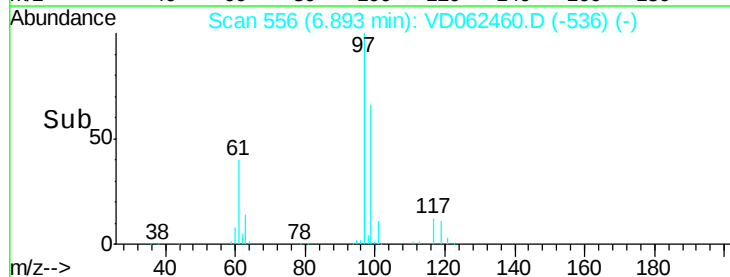
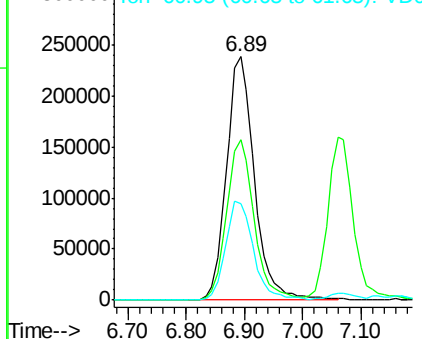
97 100

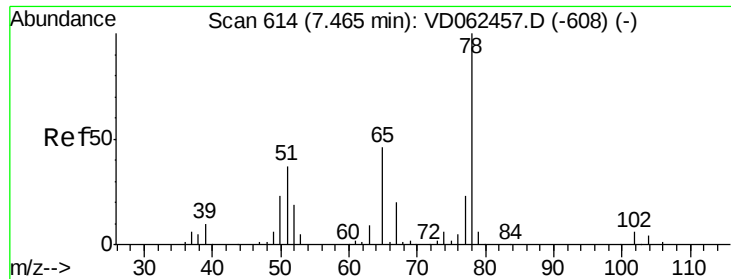
99 66.1 52.2 78.2

61 39.7 32.4 48.6



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

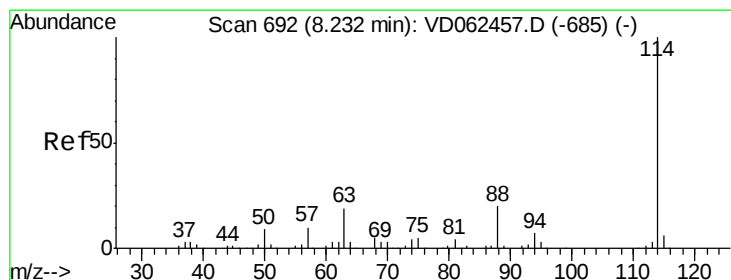
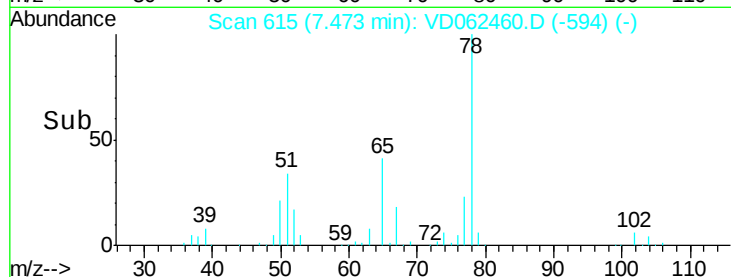
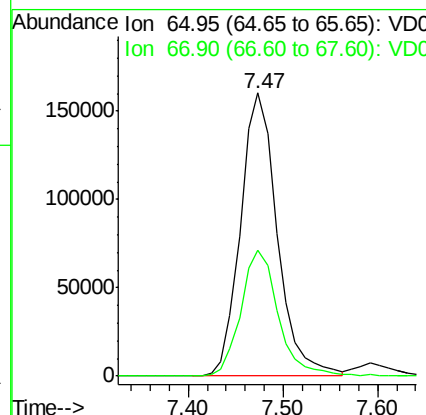
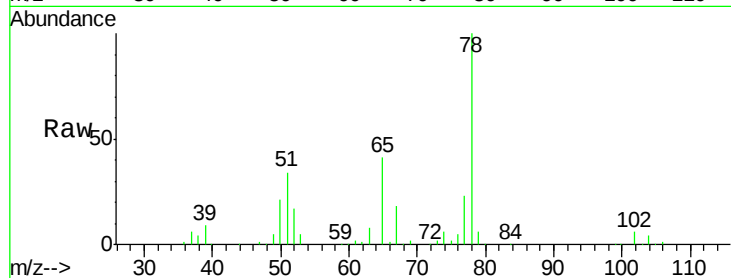




#33
 1,2-Dichloroethane-d4
 Concen: 51.762 ug/l
 RT: 7.47 min Scan# 615
 Delta R.T. 0.01 min
 Lab File: VD062460.D
 Acq: 20 May 2019 17:04

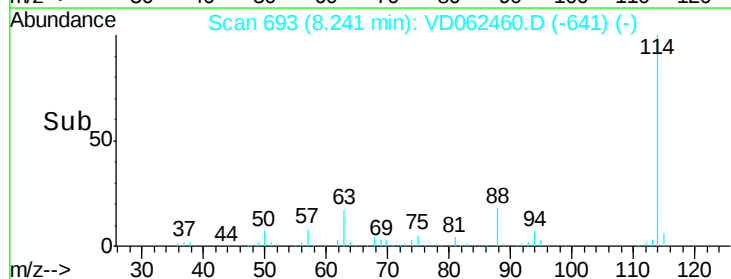
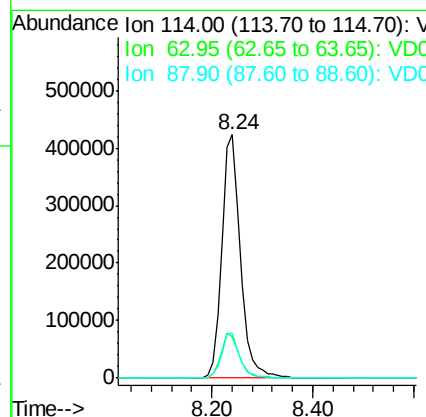
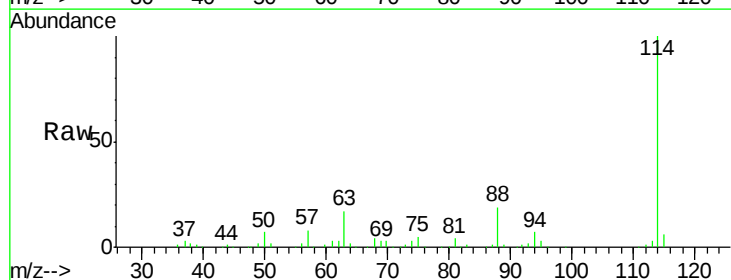
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD052019

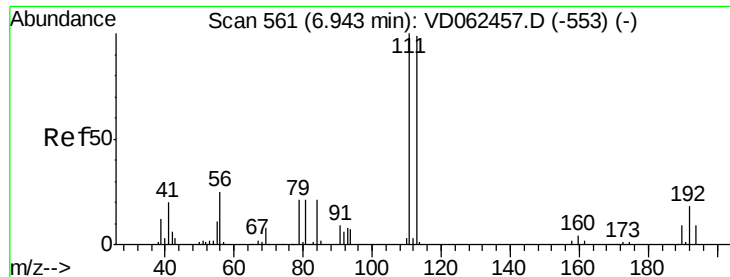
Tot Ion: 65 Resp: 432822
 Ion Ratio Lower Upper
 65 100
 67 44.3 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 693
 Delta R.T. 0.01 min
 Lab File: VD062460.D
 Acq: 20 May 2019 17:04

Tgt Ion: 114 Resp: 1097144
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 32.4
 88 18.6 0.0 33.6





#35

Dibromofluoromethane

Concen: 51.714 ug/l

RT: 6.94 min Scan# 561

Delta R.T. -0.00 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

ICVVD052019

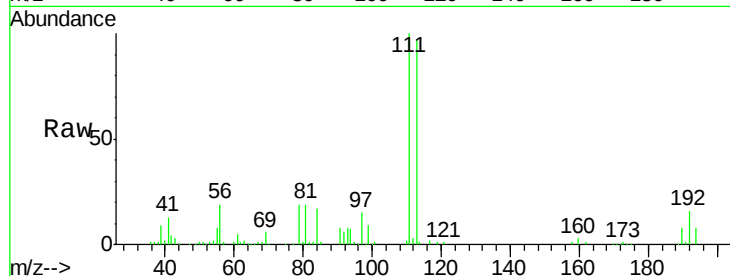
Tot Ion:113 Resp: 511845

Ion Ratio Lower Upper

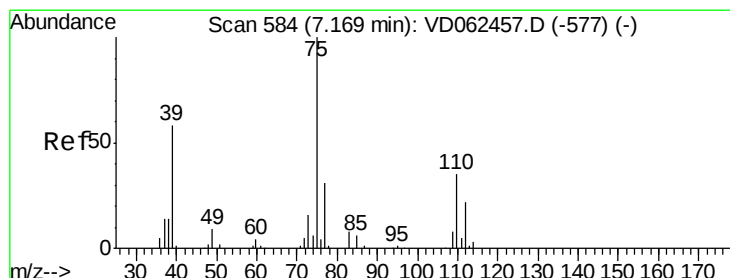
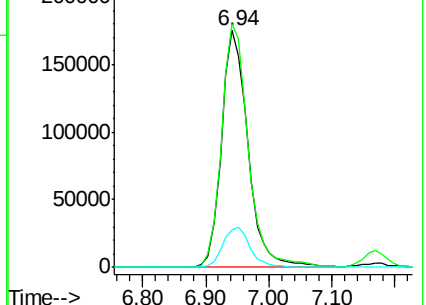
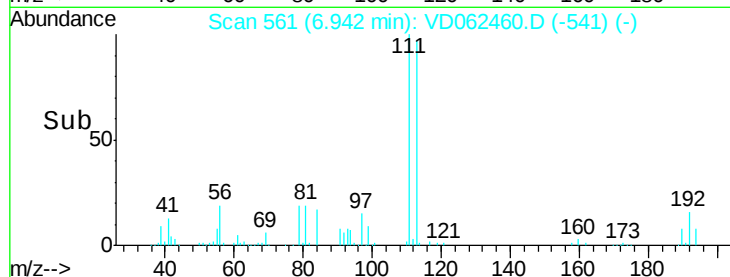
113 100

111 102.9 78.5 117.7

192 16.1 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 50.451 ug/l

RT: 7.17 min Scan# 584

Delta R.T. -0.00 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

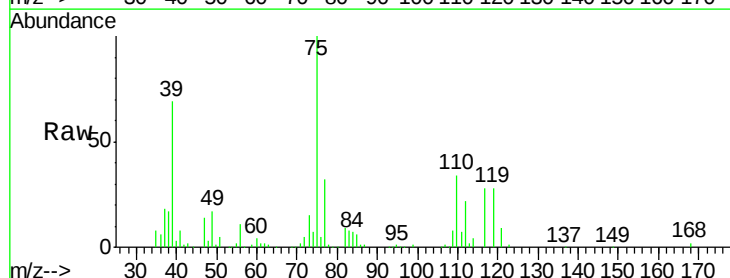
Tgt Ion: 75 Resp: 529199

Ion Ratio Lower Upper

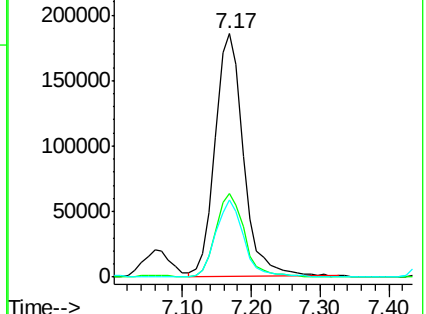
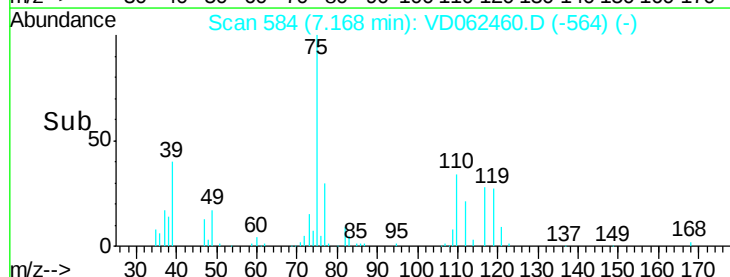
75 100

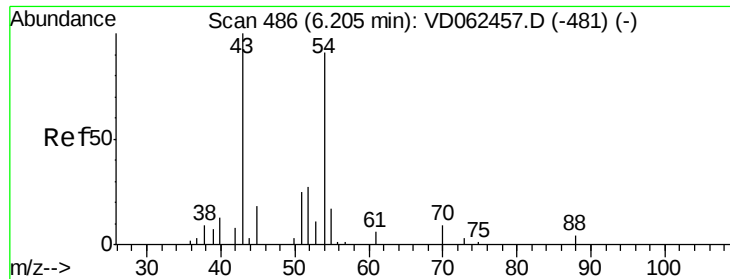
110 34.1 19.1 57.1

77 31.5 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

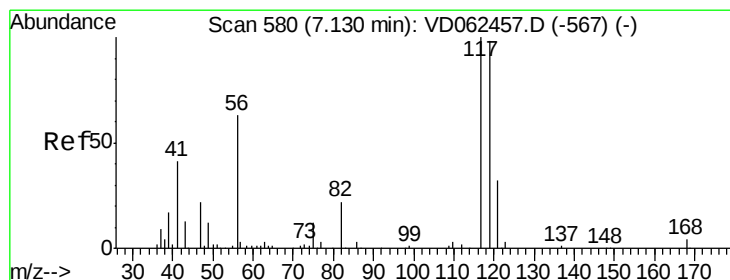
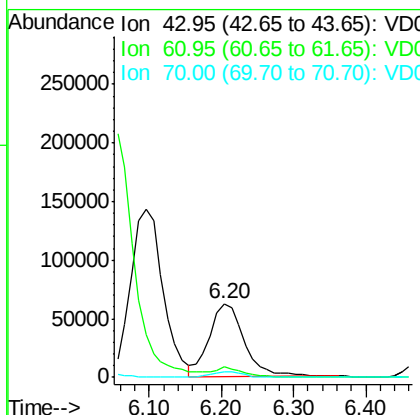
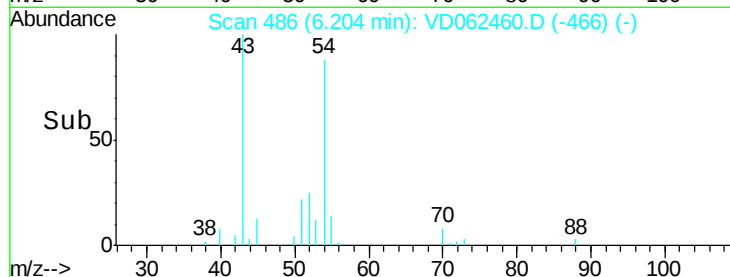
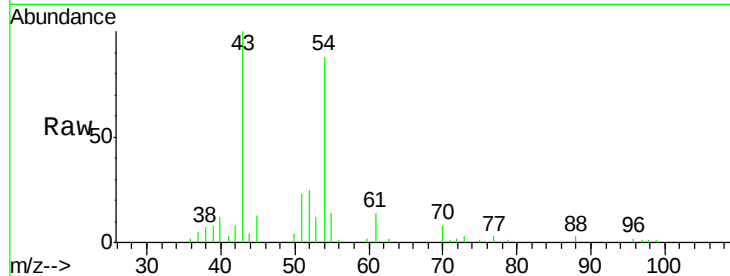




#37
Ethyl Acetate
Concen: 50.921 ug/l
RT: 6.20 min Scan# 486
Delta R.T. -0.00 min
Lab File: VD062460.D
Acq: 20 May 2019 17:04

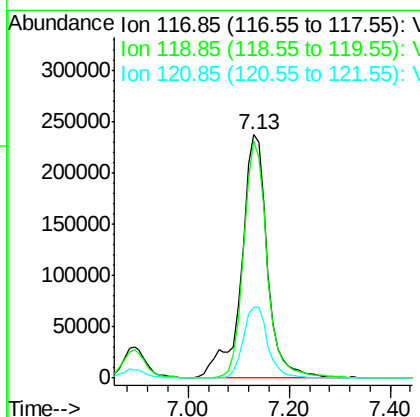
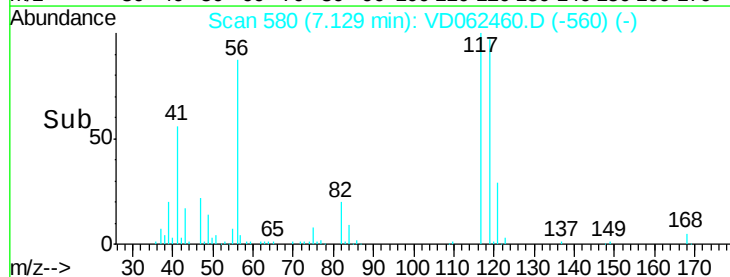
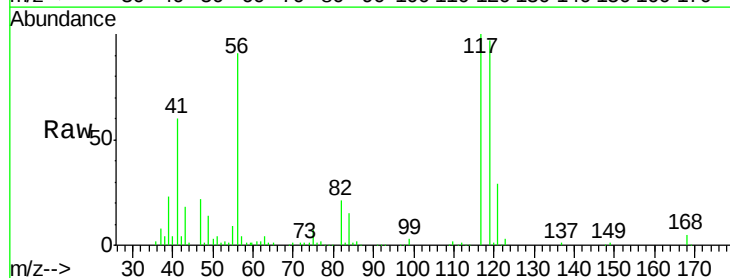
Instrument :
MSVOA_D
ClientSampleId :
ICVVD052019

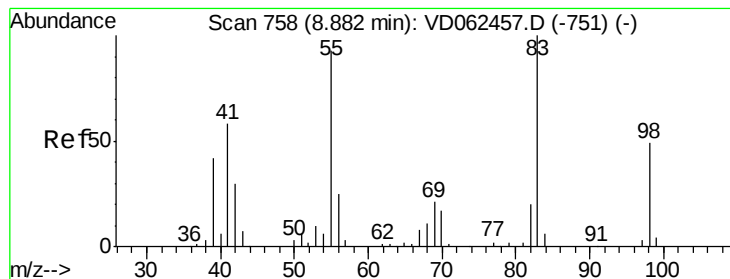
Tot Ion: 43 Resp: 207502
Ion Ratio Lower Upper
43 100
61 14.1 14.7 22.1#
70 8.3 7.8 11.6



#38
Carbon Tetrachloride
Concen: 52.941 ug/l
RT: 7.13 min Scan# 580
Delta R.T. -0.00 min
Lab File: VD062460.D
Acq: 20 May 2019 17:04

Tgt Ion: 117 Resp: 850681
Ion Ratio Lower Upper
117 100
119 97.5 75.8 113.8
121 29.0 25.9 38.9





#39

Methvlcvclohexane

Concen: 57.549 ug/l

RT: 8.88 min Scan# 758

Delta R.T. -0.00 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

ICVVD052019

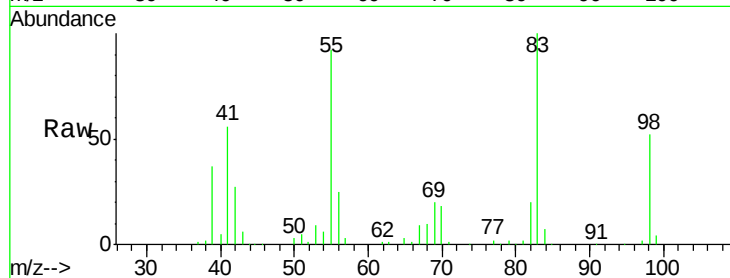
Tot Ion: 83 Resp: 497898

Ion Ratio Lower Upper

83 100

55 92.4 68.2 102.4

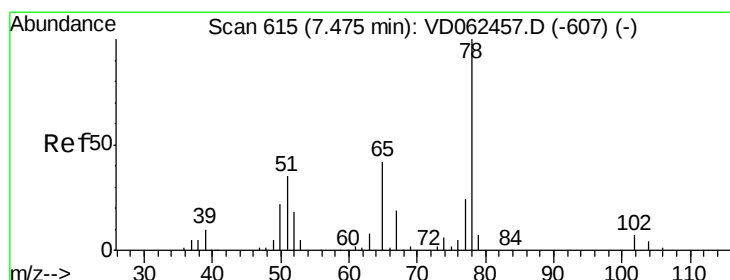
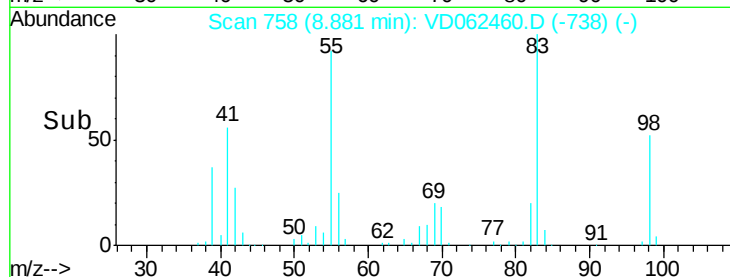
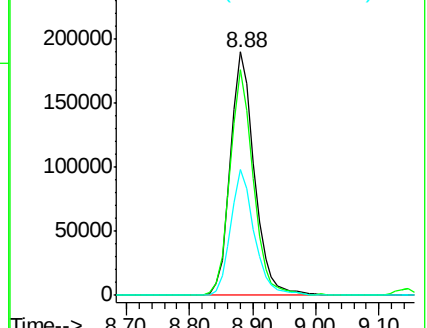
98 51.8 38.2 57.4



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 52.471 ug/l

RT: 7.47 min Scan# 615

Delta R.T. -0.00 min

Lab File: VD062460.D

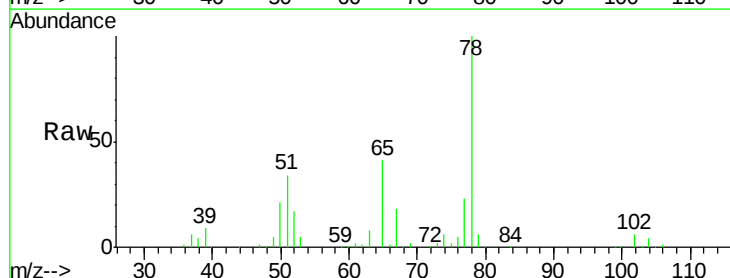
Acq: 20 May 2019 17:04

Tgt Ion: 78 Resp: 1079602

Ion Ratio Lower Upper

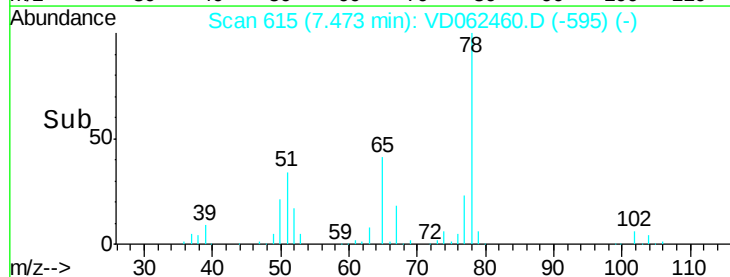
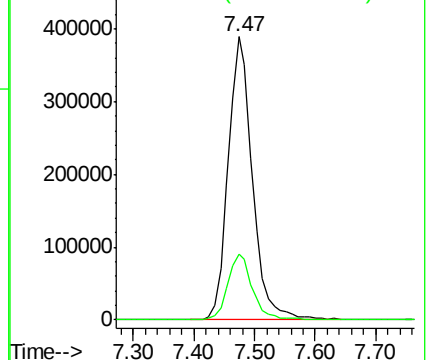
78 100

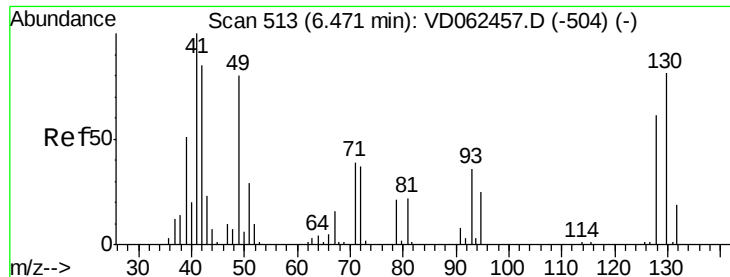
77 23.4 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 50.066 ug/l

RT: 6.48 min Scan# 514

Delta R.T. 0.01 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

ICVVD052019

Tot Ion: 41 Resp: 256228

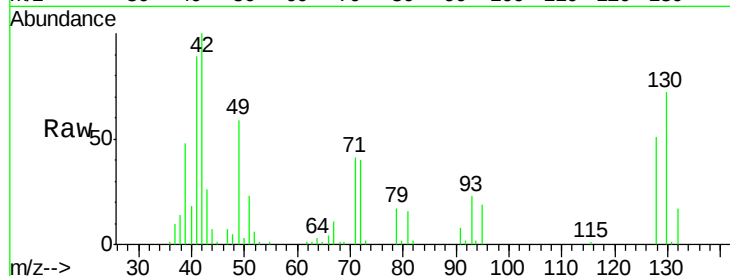
Ion Ratio Lower Upper

41 100

39 54.0 34.1 51.1#

67 12.6 23.8 35.6#

52 6.4 8.8 13.2#

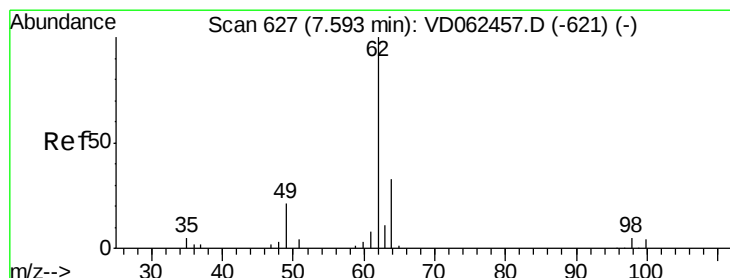
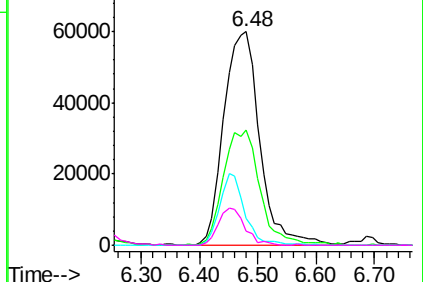
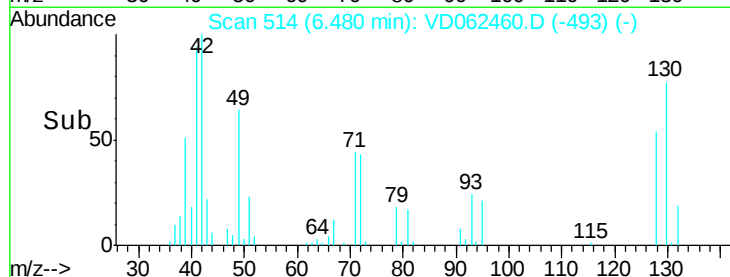


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 48.801 ug/l

RT: 7.60 min Scan# 628

Delta R.T. 0.01 min

Lab File: VD062460.D

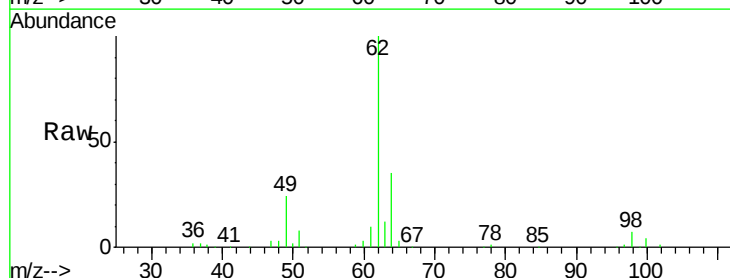
Acq: 20 May 2019 17:04

Tgt Ion: 62 Resp: 531696

Ion Ratio Lower Upper

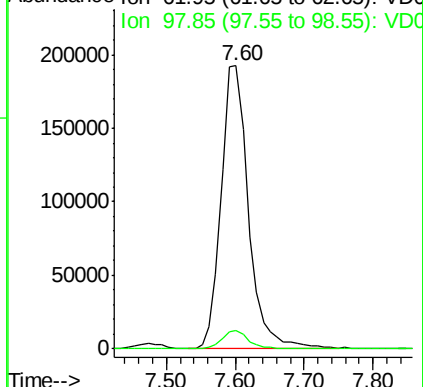
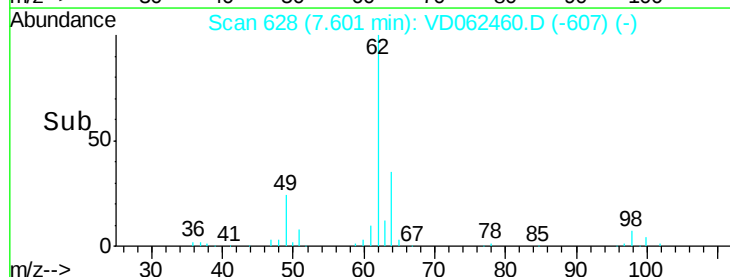
62 100

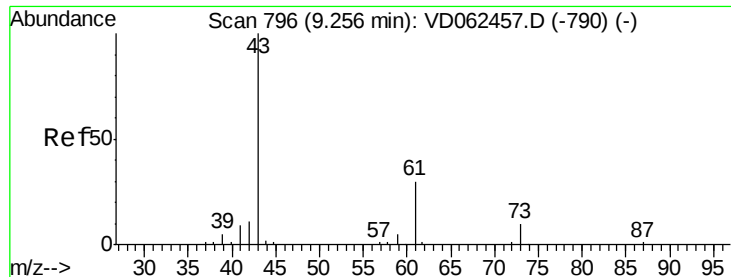
98 6.6 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 52.219 ug/l

RT: 9.25 min Scan# 796

Delta R.T. -0.00 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

ICVVD052019

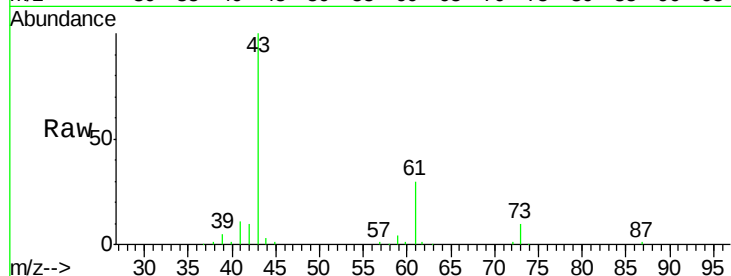
Tot Ion: 43 Resp: 282288

Ion Ratio Lower Upper

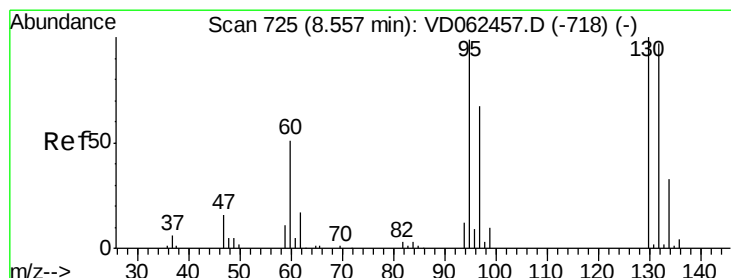
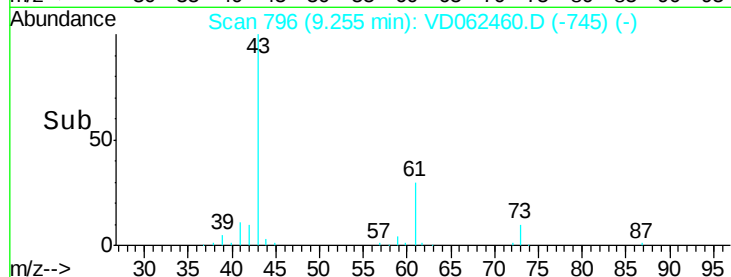
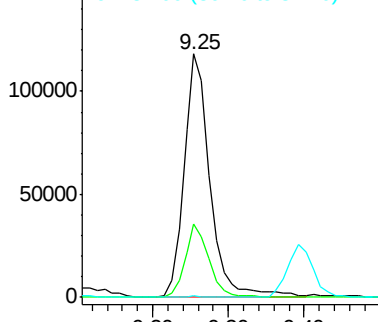
43 100

61 30.3 25.1 37.7

87 0.5 0.0 0.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 51.929 ug/l

RT: 8.56 min Scan# 725

Delta R.T. -0.00 min

Lab File: VD062460.D

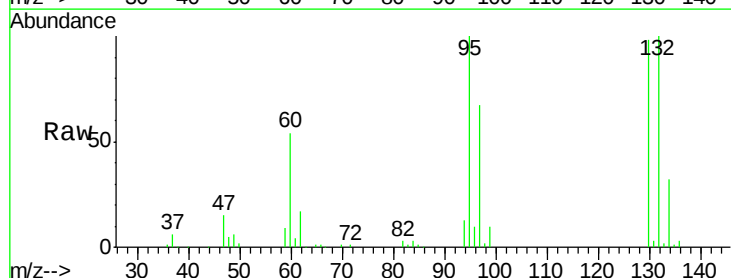
Acq: 20 May 2019 17:04

Tgt Ion:130 Resp: 427797

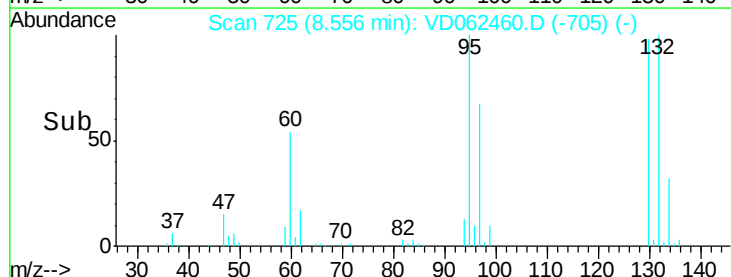
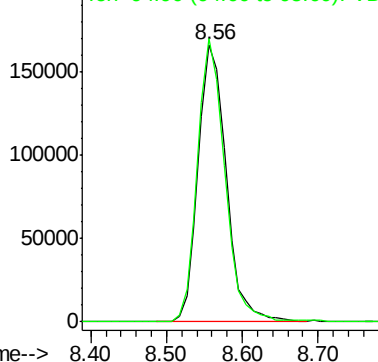
Ion Ratio Lower Upper

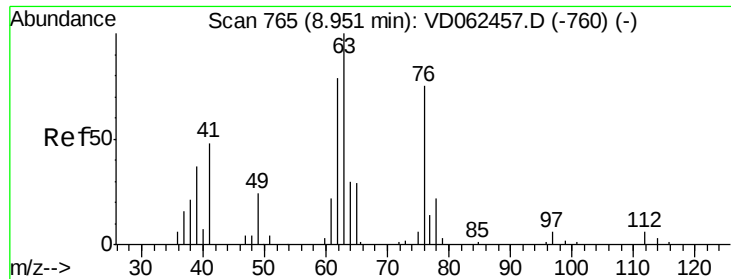
130 100

95 102.0 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 55.711 ug/l

RT: 8.96 min Scan# 766

Delta R.T. 0.01 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

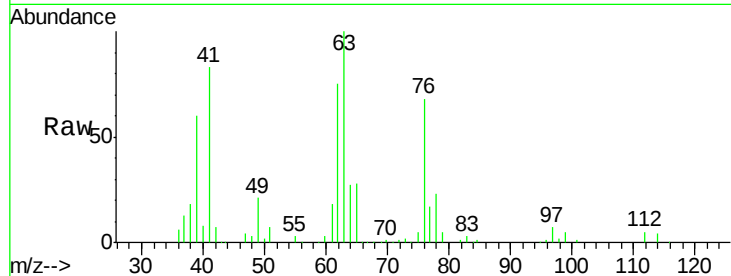
ICVVD052019

Tot Ion: 63 Resp: 279341

Ion Ratio Lower Upper

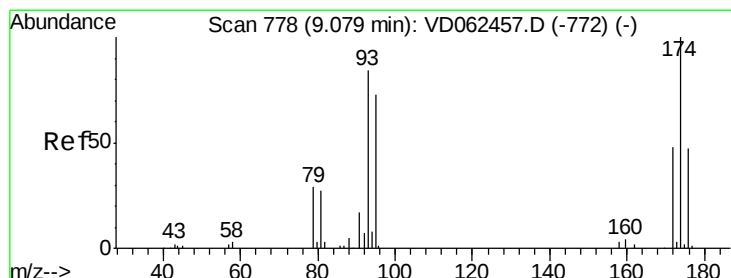
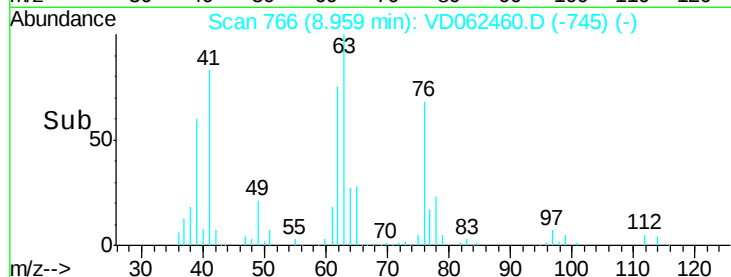
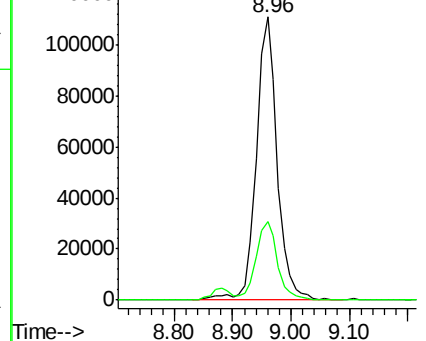
63 100

65 27.7 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 49.651 ug/l

RT: 9.08 min Scan# 778

Delta R.T. -0.00 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

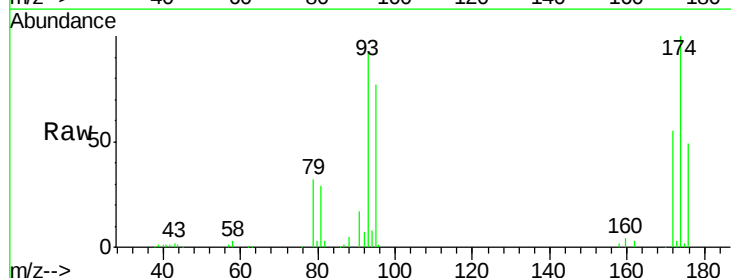
Tgt Ion: 93 Resp: 225668

Ion Ratio Lower Upper

93 100

95 82.3 64.8 97.2

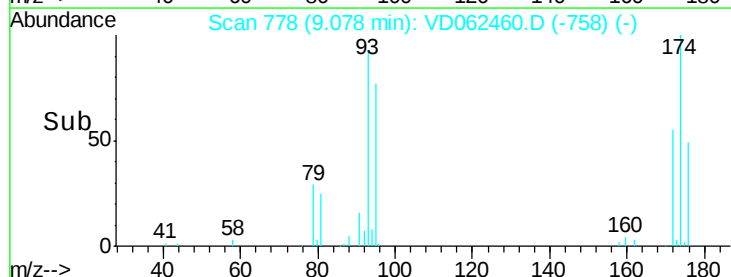
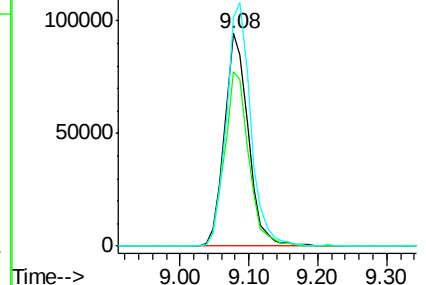
174 107.2 79.3 118.9

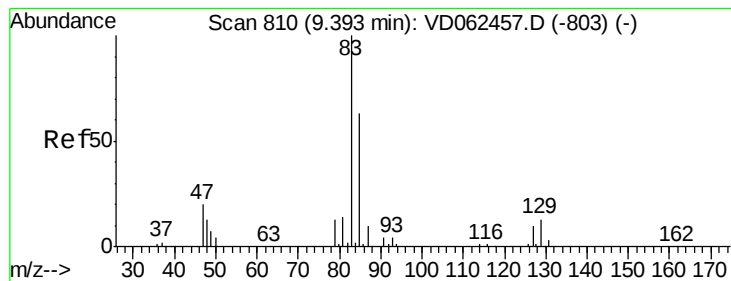


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 50.043 ug/l

RT: 9.39 min Scan# 810

Delta R.T. -0.00 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

ICVVD052019

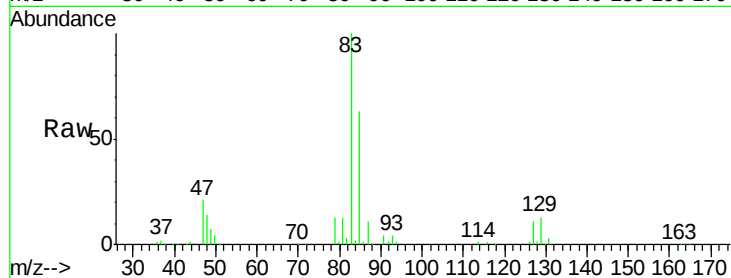
Tot Ion: 83 Resp: 578616

Ion Ratio Lower Upper

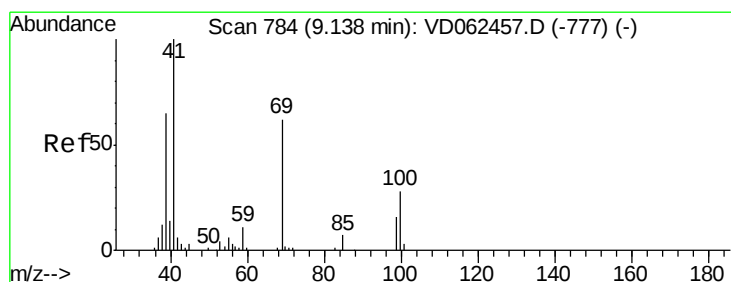
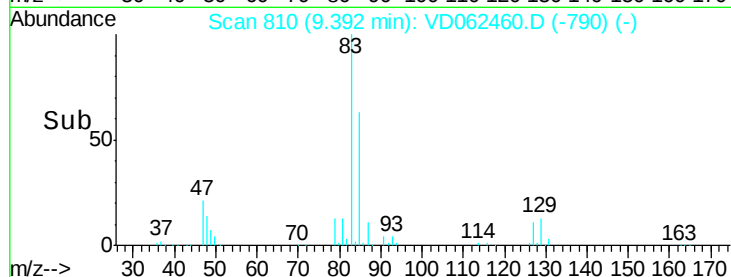
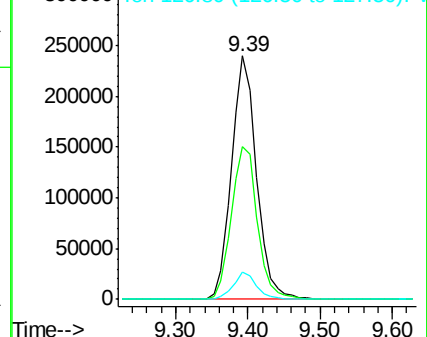
83 100

85 62.8 50.9 76.3

127 11.0 8.1 12.1



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 52.391 ug/l

RT: 9.14 min Scan# 784

Delta R.T. -0.00 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

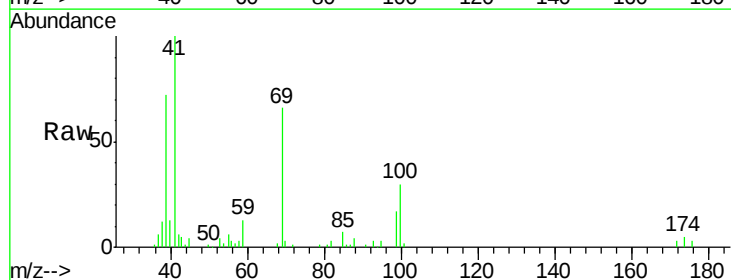
Tgt Ion: 41 Resp: 190593

Ion Ratio Lower Upper

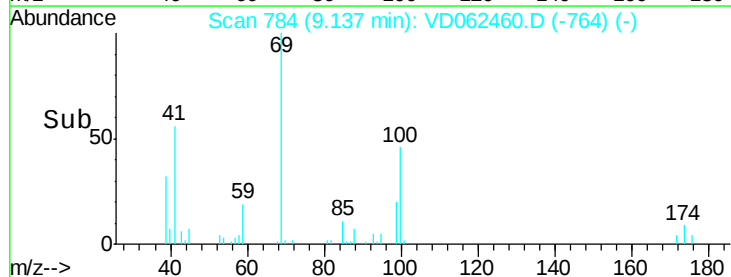
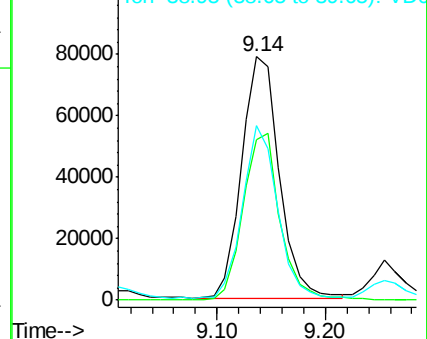
41 100

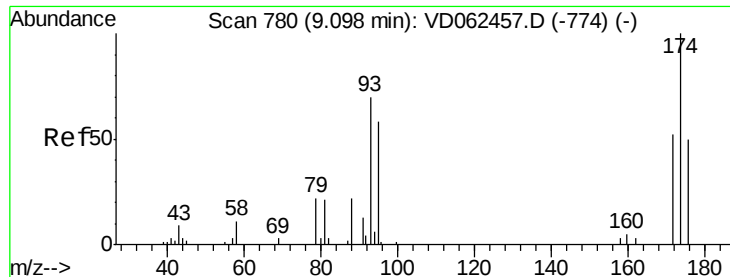
69 65.9 64.2 96.2

39 71.9 46.8 70.2#



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

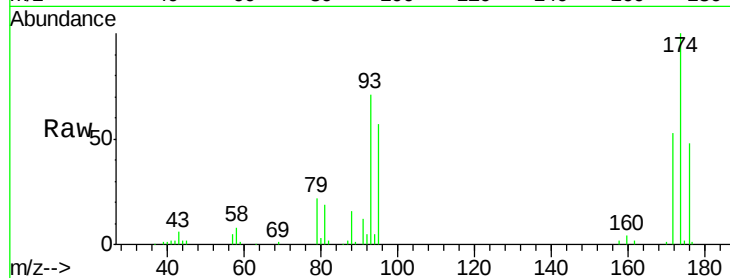




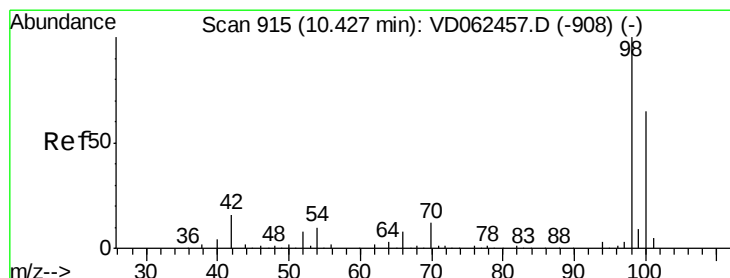
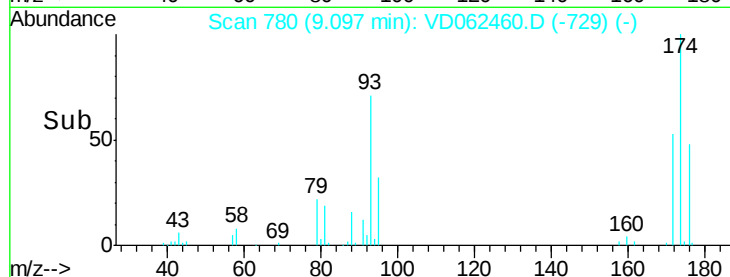
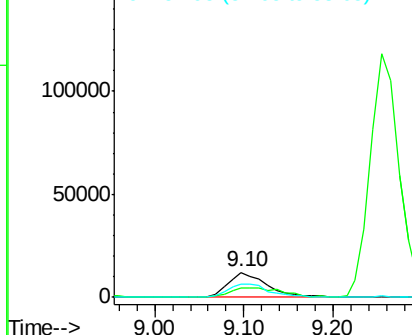
#49
1,4-Dioxane
Concen: 1120.971 ug/l
RT: 9.10 min Scan# 780
Delta R.T. -0.00 min
Lab File: VD062460.D
Acq: 20 May 2019 17:04

Instrument :
MSVOA_D
ClientSampleId :
ICVVD052019

Tot Ion: 88 Resp: 36578
Ion Ratio Lower Upper
88 100
43 35.6 23.4 35.0#
58 52.8 44.0 66.0

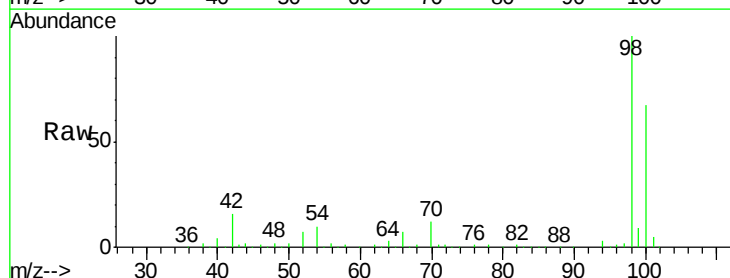


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

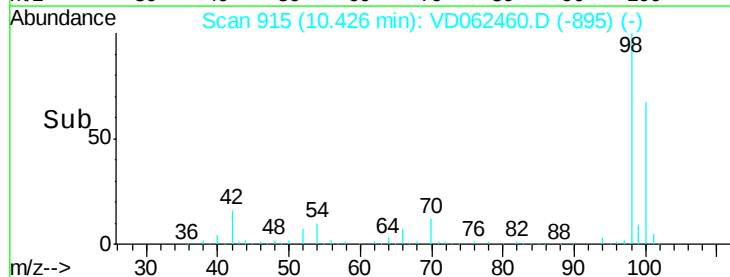
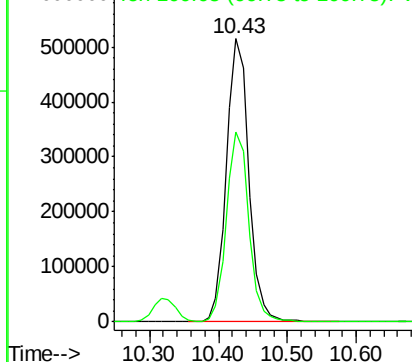


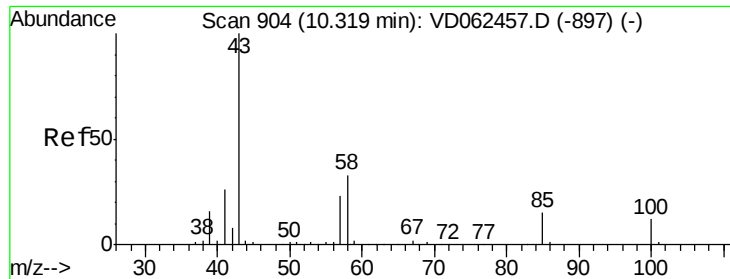
#50
Toluene-d8
Concen: 53.717 ug/l
RT: 10.43 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD062460.D
Acq: 20 May 2019 17:04

Tgt Ion: 98 Resp: 1163504
Ion Ratio Lower Upper
98 100
100 67.0 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 244.722 ug/l

RT: 10.32 min Scan# 904

Delta R.T. -0.00 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

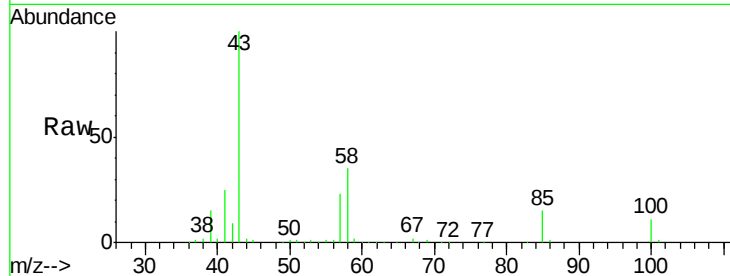
ICVVD052019

Tot Ion: 43 Resp: 873960

Ion Ratio Lower Upper

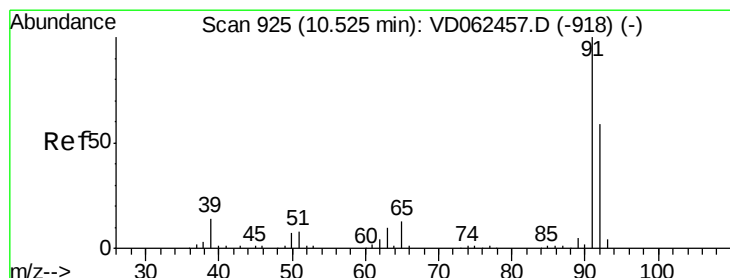
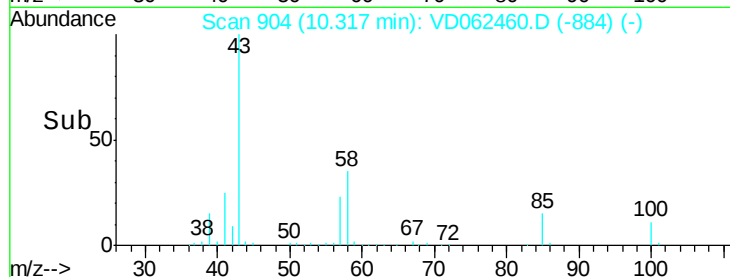
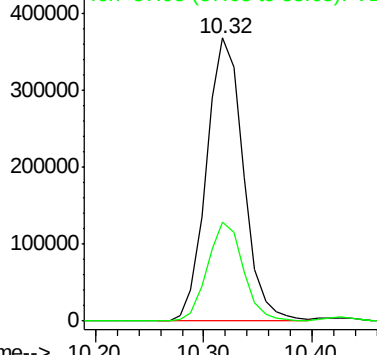
43 100

58 34.8 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 52.644 ug/l

RT: 10.52 min Scan# 925

Delta R.T. -0.00 min

Lab File: VD062460.D

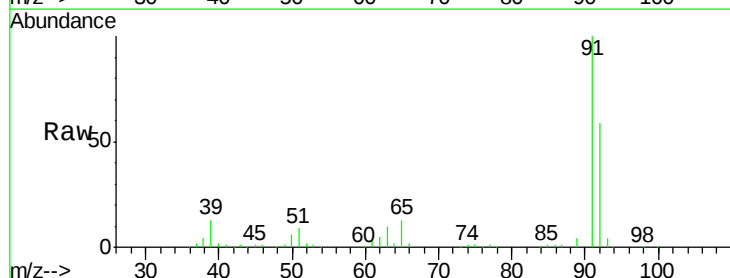
Acq: 20 May 2019 17:04

Tgt Ion: 92 Resp: 741511

Ion Ratio Lower Upper

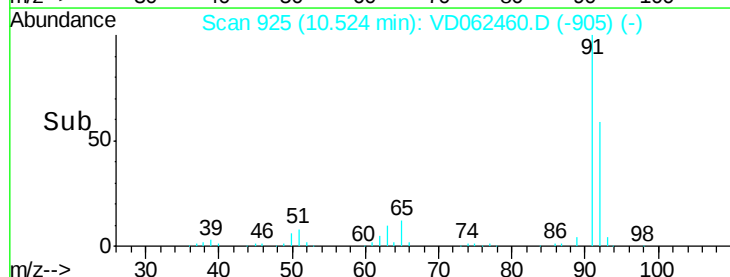
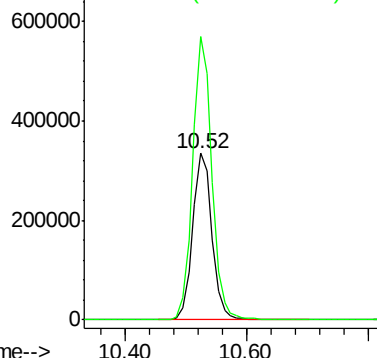
92 100

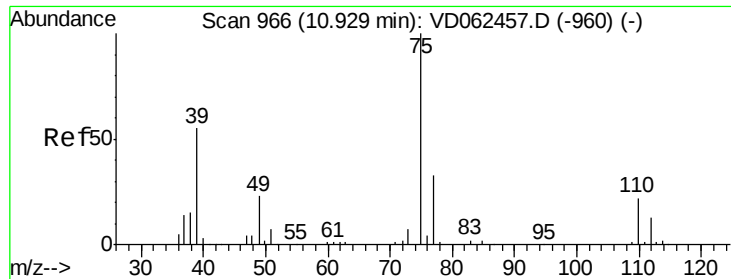
91 170.2 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

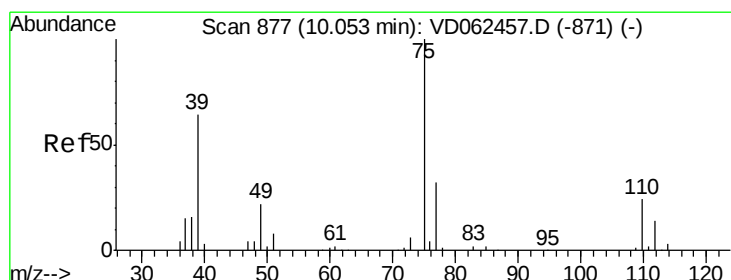
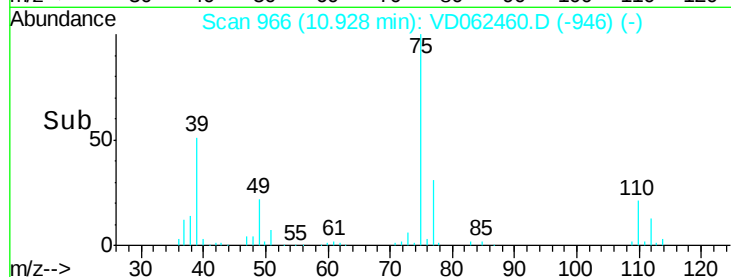
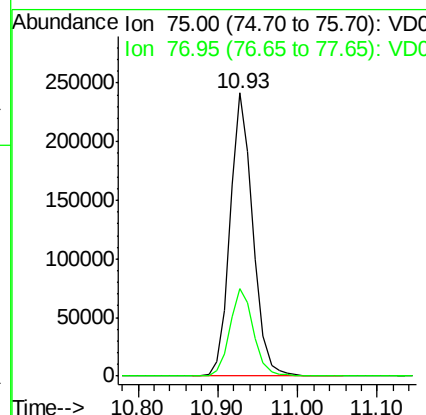
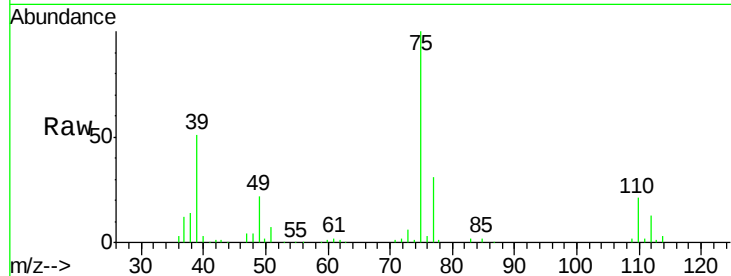




#53
 t-1,3-Dichloropropene
 Concen: 50.439 ug/l
 RT: 10.93 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VD062460.D
 Acq: 20 May 2019 17:04

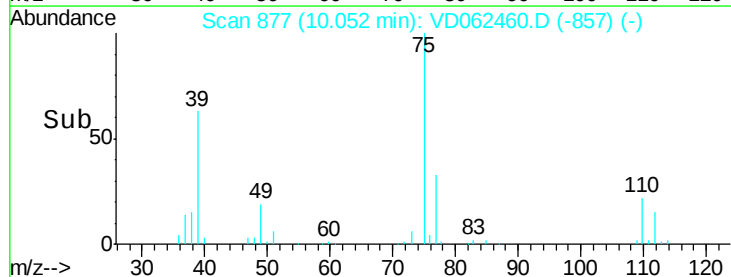
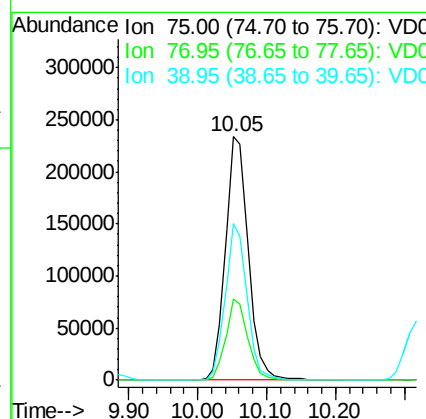
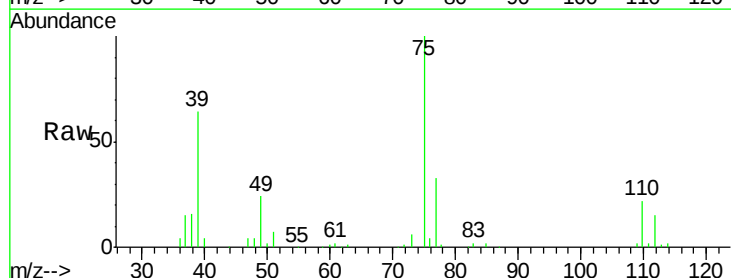
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD052019

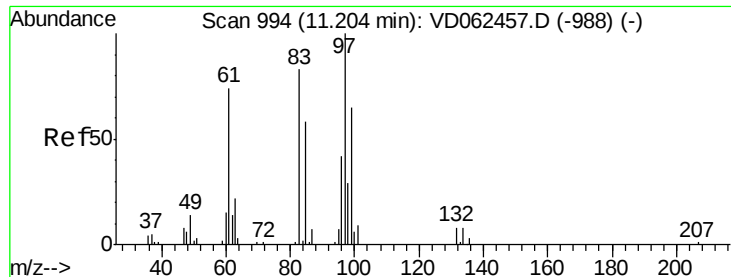
Tot Ion: 75 Resp: 485535
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 53.412 ug/l
 RT: 10.05 min Scan# 877
 Delta R.T. -0.00 min
 Lab File: VD062460.D
 Acq: 20 May 2019 17:04

Tgt Ion: 75 Resp: 536495
 Ion Ratio Lower Upper
 75 100
 77 33.1 25.5 38.3
 39 64.4 39.4 59.2#





#55

1,1,2-Trichloroethane

Concen: 52.035 ug/l

RT: 11.20 min Scan# 994

Delta R.T. -0.00 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

ICVVD052019

Tot Ion: 97 Resp: 248406

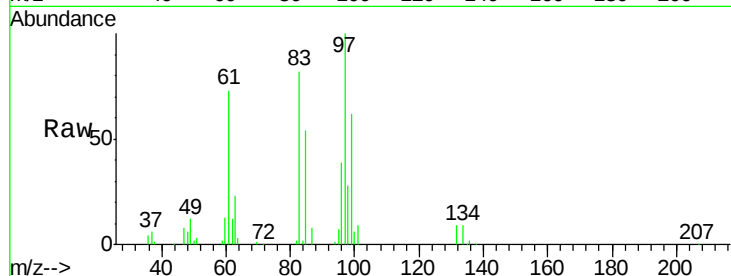
Ion Ratio Lower Upper

97 100

83 82.1 65.7 98.5

85 53.8 45.6 68.4

99 61.7 48.4 72.6

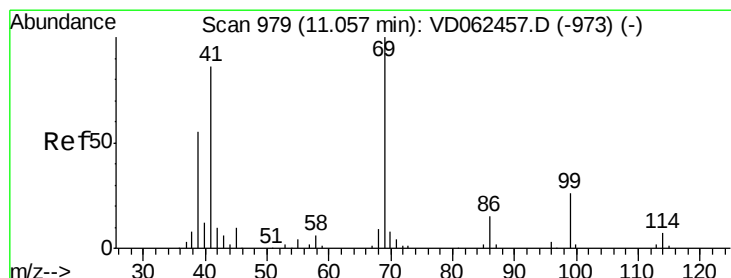
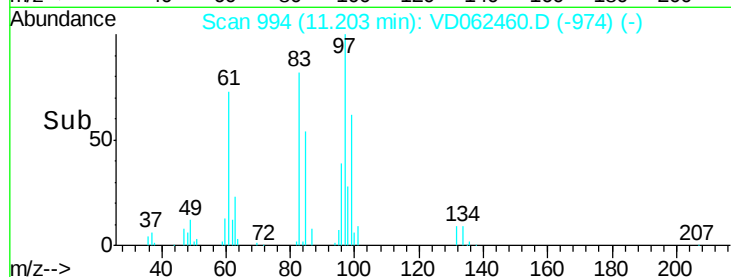
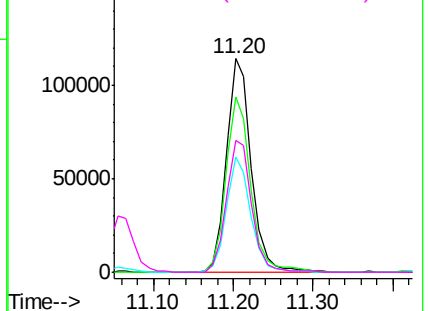


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 51.144 ug/l

RT: 11.06 min Scan# 979

Delta R.T. -0.00 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

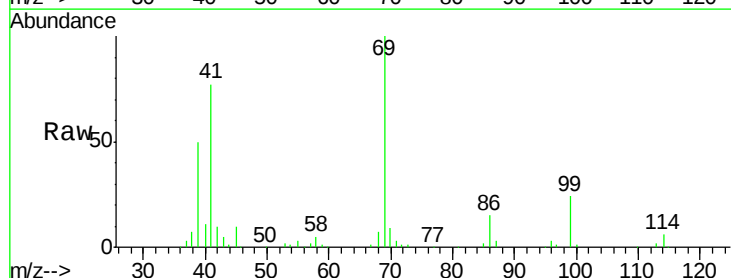
Tgt Ion: 69 Resp: 261005

Ion Ratio Lower Upper

69 100

41 76.6 56.3 84.5

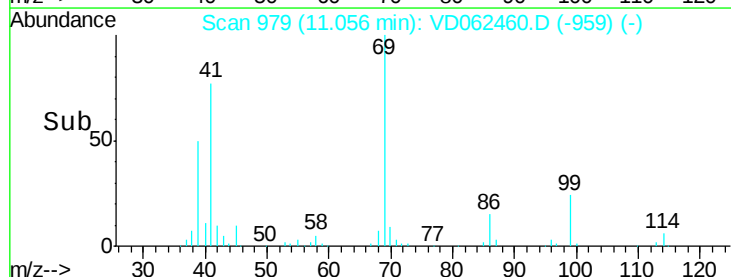
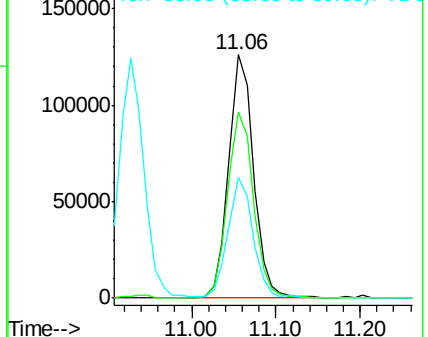
39 49.8 29.4 44.2#

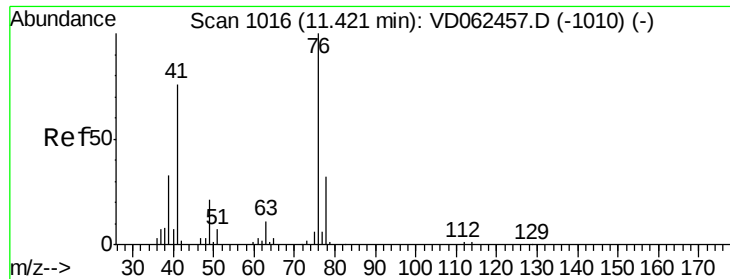


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 47.513 ug/l

RT: 11.42 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

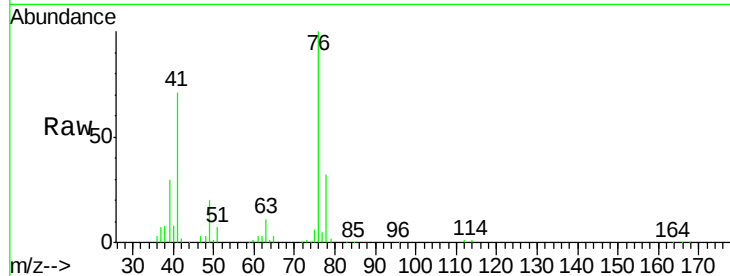
ICVVD052019

Tot Ion: 76 Resp: 347853

Ion Ratio Lower Upper

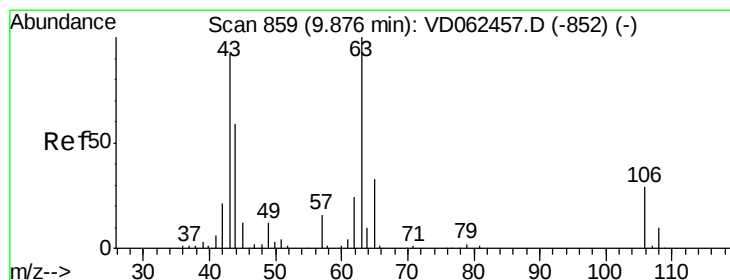
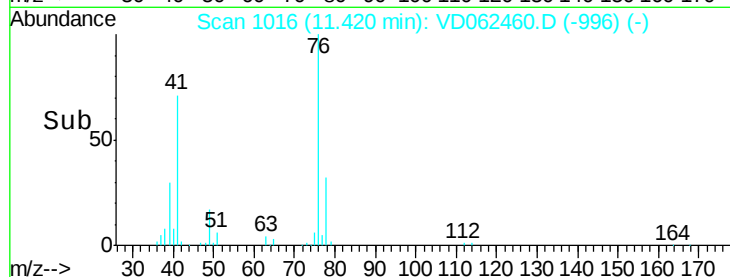
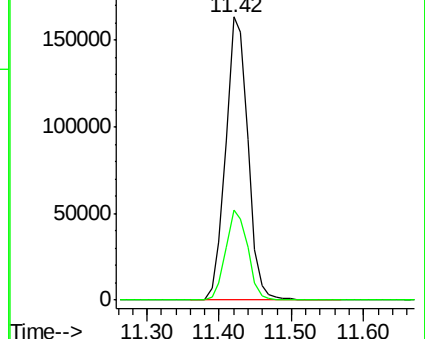
76 100

78 31.7 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 229.025 ug/l

RT: 9.87 min Scan# 859

Delta R.T. -0.00 min

Lab File: VD062460.D

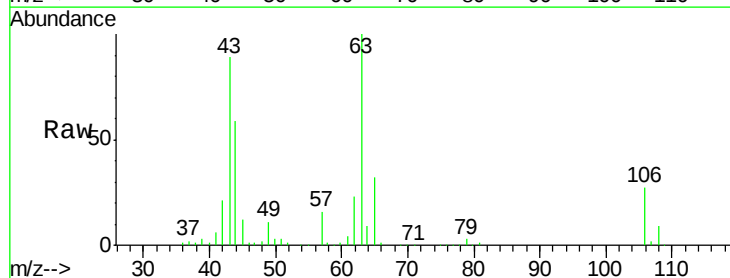
Acq: 20 May 2019 17:04

Tgt Ion: 63 Resp: 600167

Ion Ratio Lower Upper

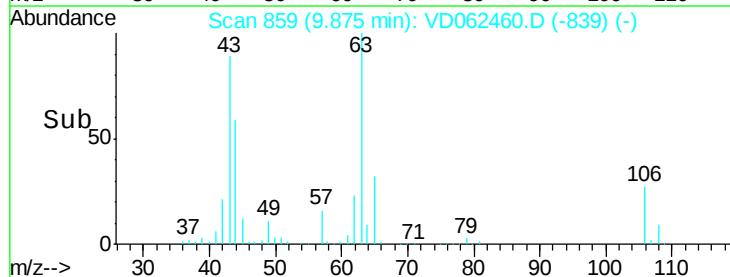
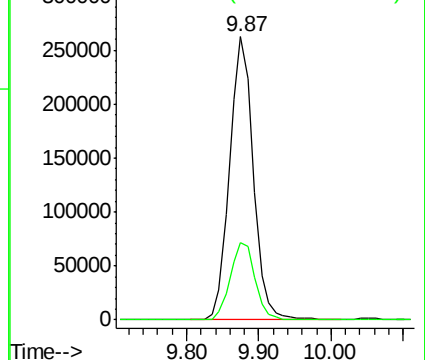
63 100

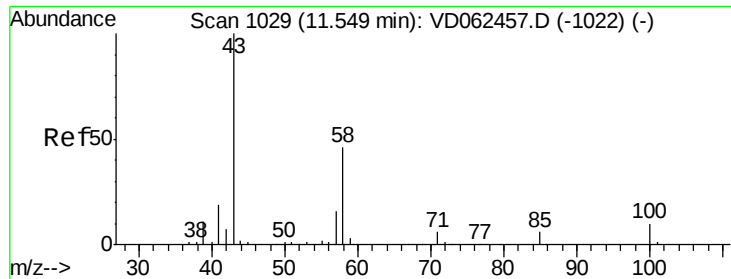
106 27.3 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 263.411 ug/l

RT: 11.55 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

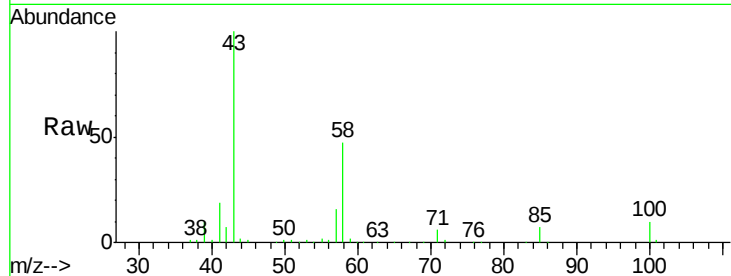
ICVVD052019

Tot Ion: 43 Resp: 683684

Ion Ratio Lower Upper

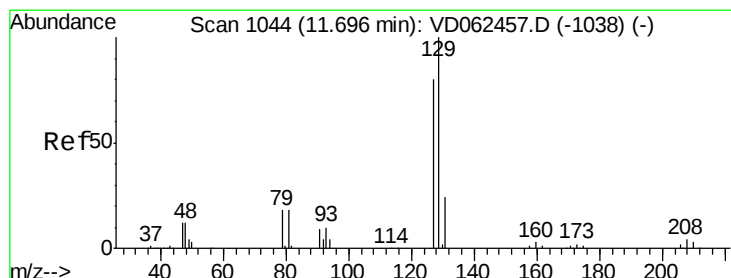
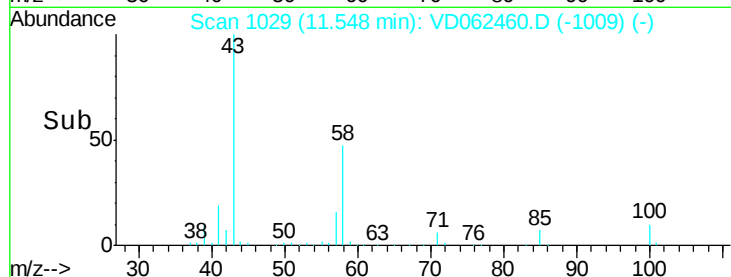
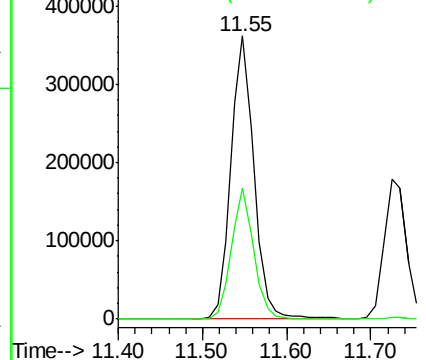
43 100

58 46.5 25.4 76.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 50.190 ug/l

RT: 11.71 min Scan# 1045

Delta R.T. 0.01 min

Lab File: VD062460.D

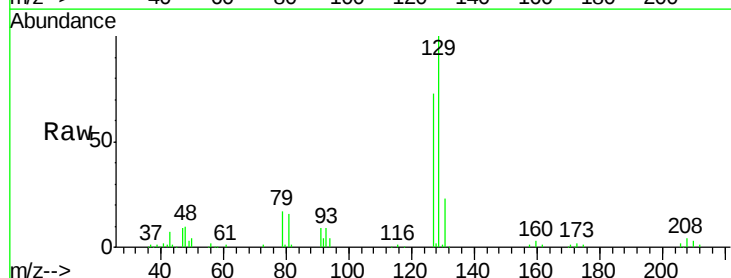
Acq: 20 May 2019 17:04

Tgt Ion: 129 Resp: 460201

Ion Ratio Lower Upper

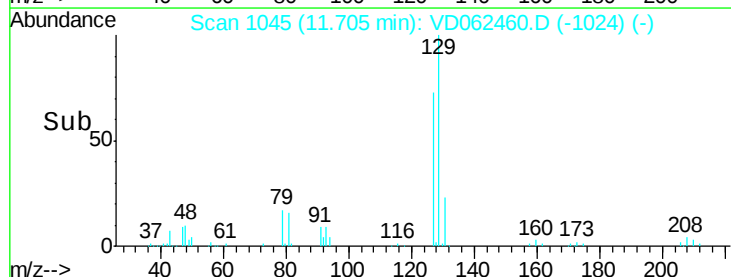
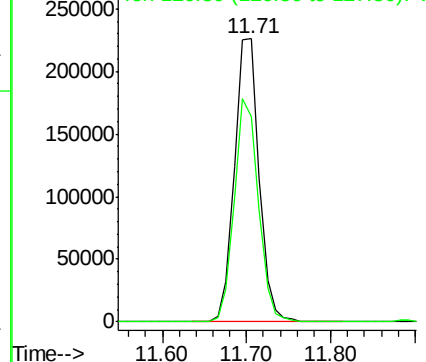
129 100

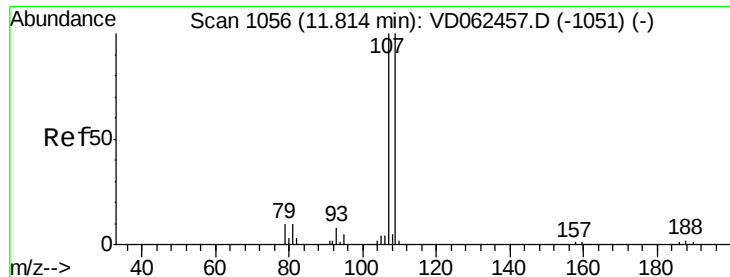
127 72.6 38.0 113.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 51.945 ug/l

RT: 11.82 min Scan# 1057

Delta R.T. 0.01 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

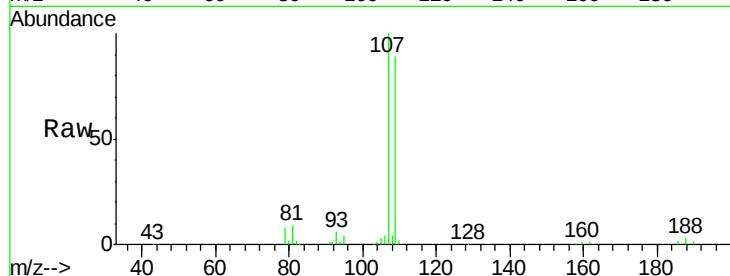
ICVVD052019

Tot Ion:107 Resp: 305601

Ion Ratio Lower Upper

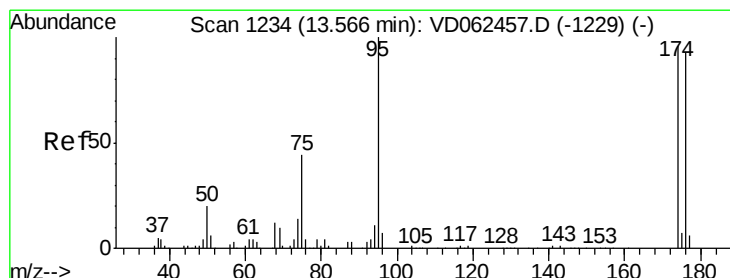
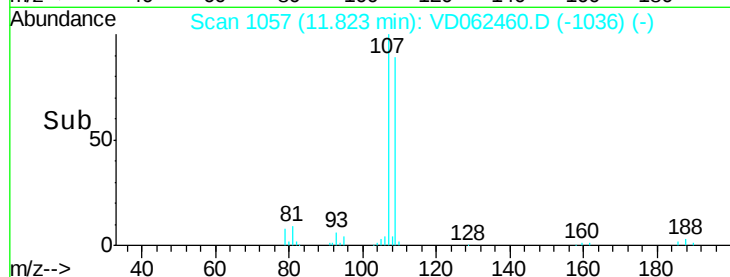
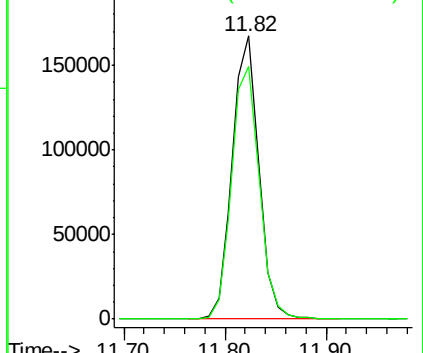
107 100

109 89.2 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 52.270 ug/l

RT: 13.56 min Scan# 1234

Delta R.T. -0.00 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

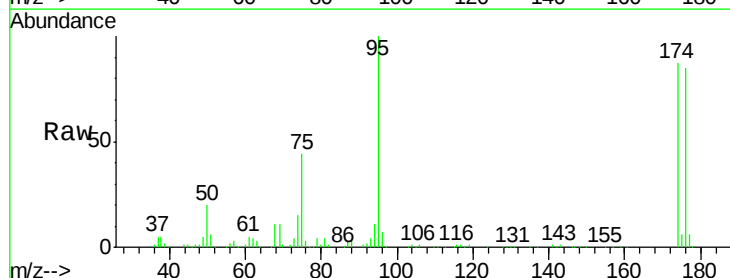
Tgt Ion: 95 Resp: 495250

Ion Ratio Lower Upper

95 100

174 87.1 0.0 181.8

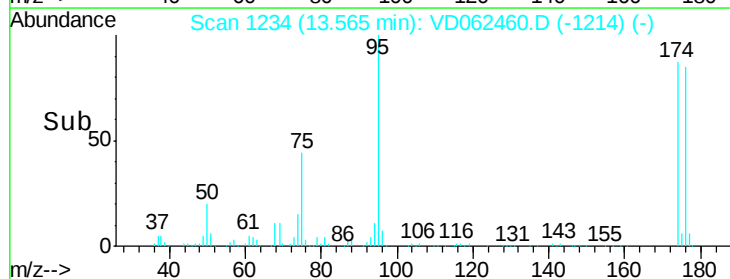
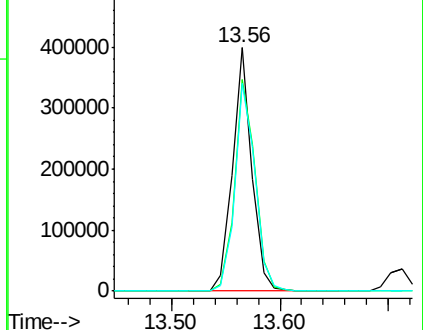
176 85.1 0.0 174.4

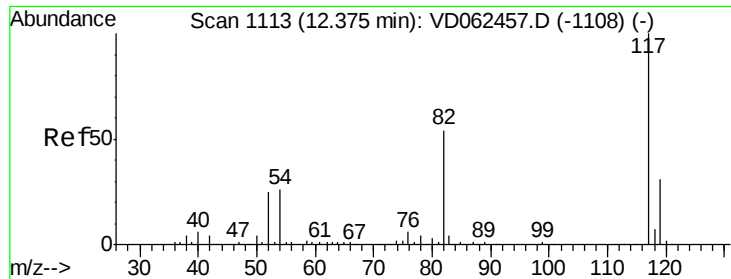


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

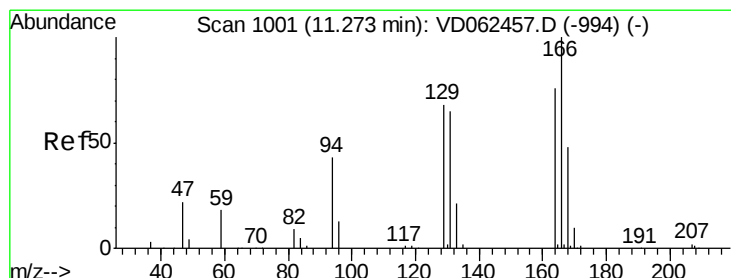
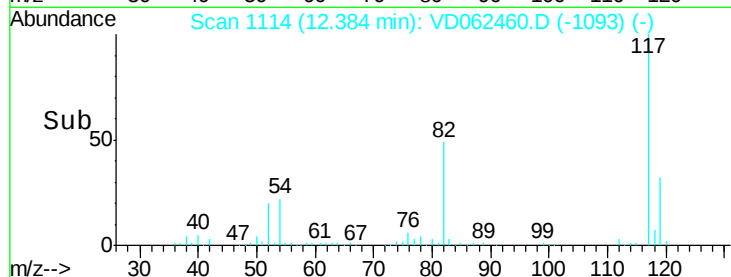
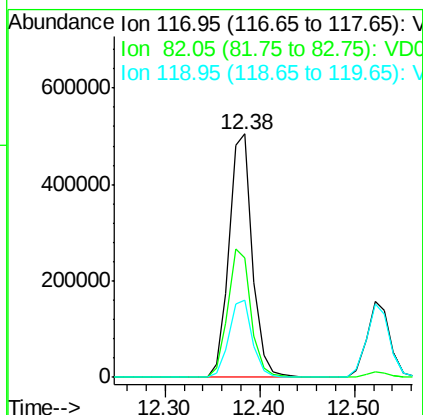
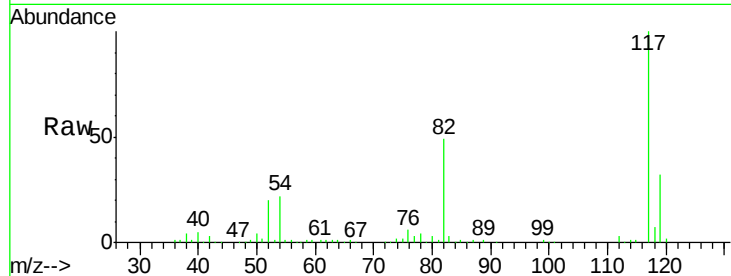




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VD062460.D
Acq: 20 May 2019 17:04

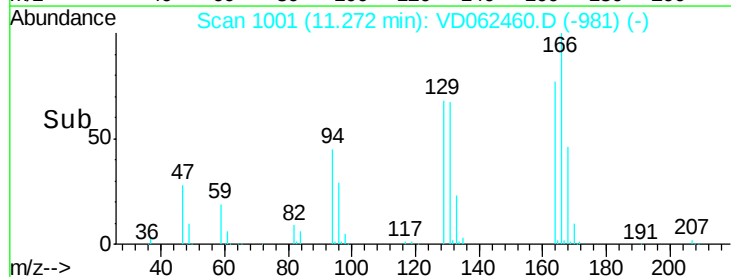
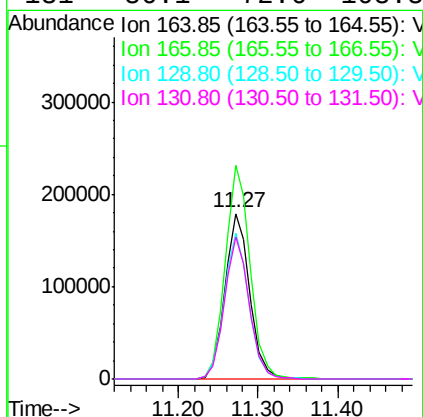
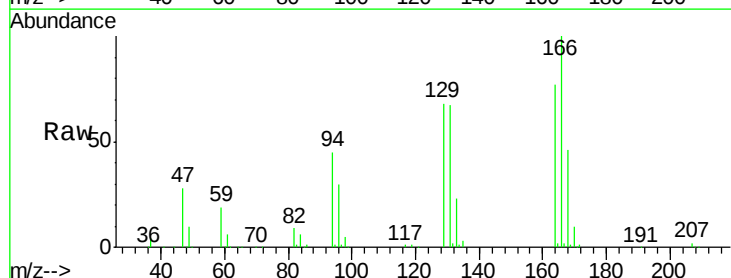
Instrument :
MSVOA_D
ClientSampleId :
ICVVD052019

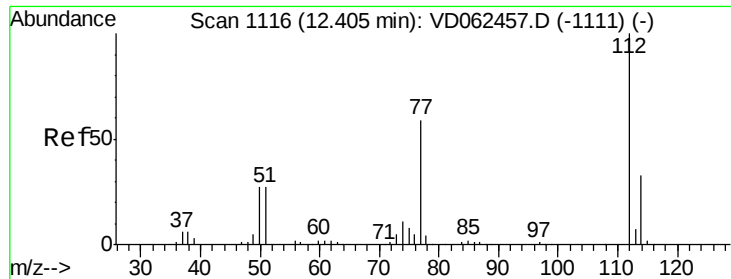
Tot Ion:117 Resp: 862305
Ion Ratio Lower Upper
117 100
82 49.1 36.2 54.2
119 31.7 26.2 39.4



#64
Tetrachloroethene
Concen: 54.184 ug/l
RT: 11.27 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VD062460.D
Acq: 20 May 2019 17:04

Tgt Ion:164 Resp: 391214
Ion Ratio Lower Upper
164 100
166 129.3 101.5 152.3
129 88.0 74.6 112.0
131 86.1 72.6 108.8

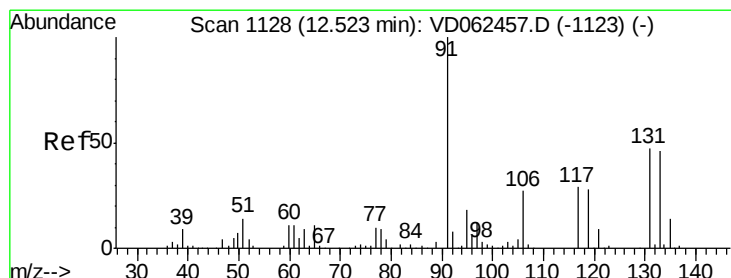
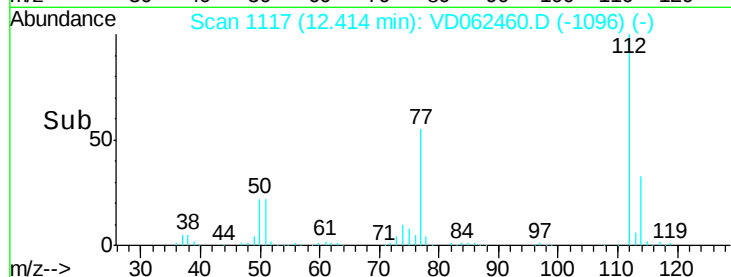
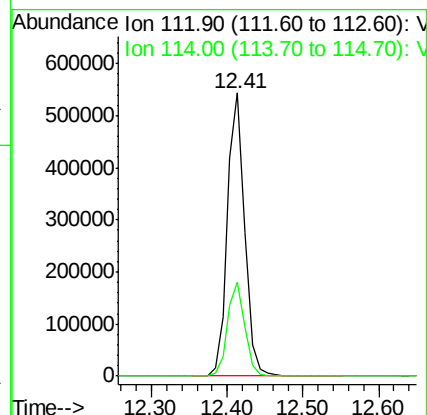
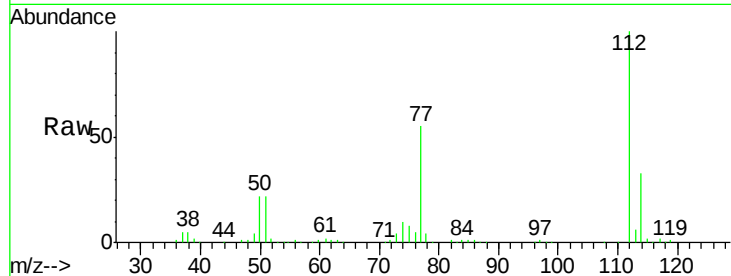




#65
Chlorobenzene
Concen: 51.960 ug/l
RT: 12.41 min Scan# 1117
Delta R.T. 0.01 min
Lab File: VD062460.D
Acq: 20 May 2019 17:04

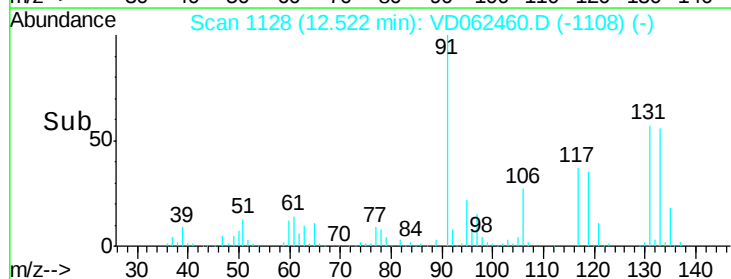
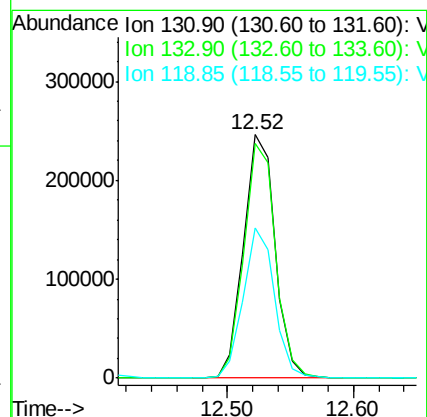
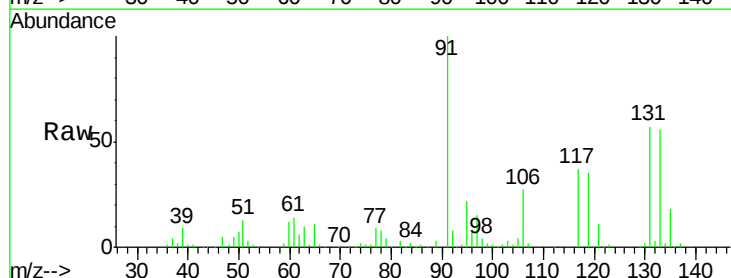
Instrument :
MSVOA_D
ClientSampleId :
ICVVD052019

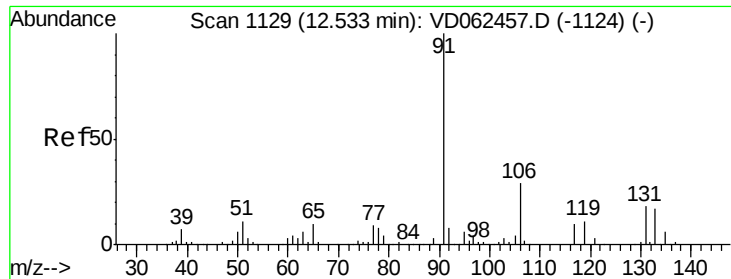
Tot Ion:112 Resp: 861630
Ion Ratio Lower Upper
112 100
114 33.2 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 55.705 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD062460.D
Acq: 20 May 2019 17:04

Tgt Ion:131 Resp: 426397
Ion Ratio Lower Upper
131 100
133 96.6 48.6 145.8
119 61.5 34.7 104.1

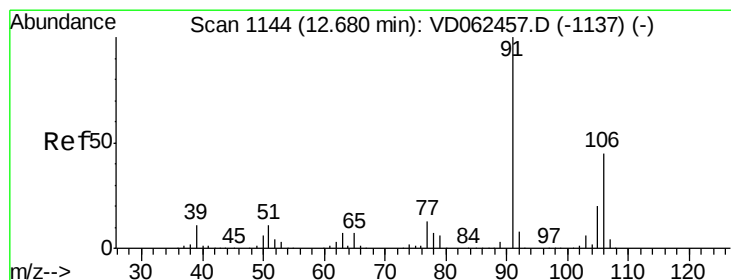
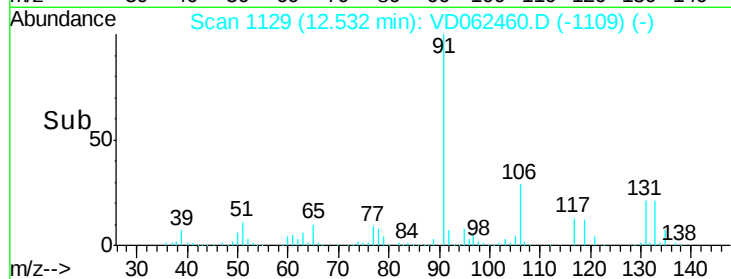
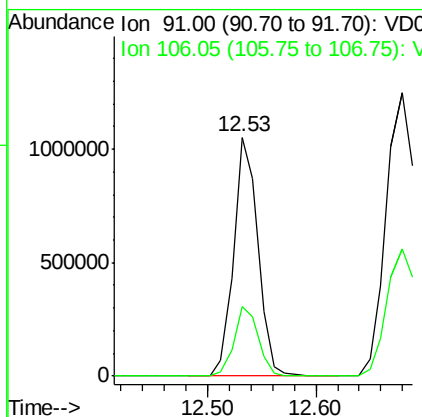
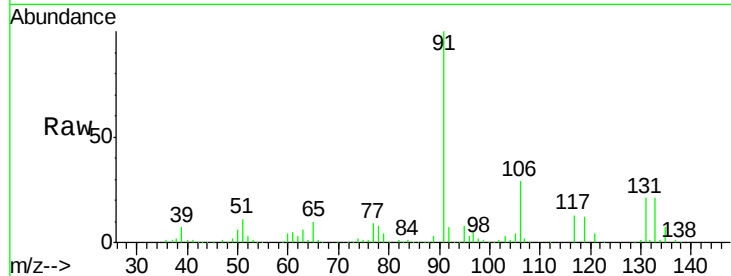




#67
Ethyl Benzene
Concen: 57.593 ug/l
RT: 12.53 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VD062460.D
Acq: 20 May 2019 17:04

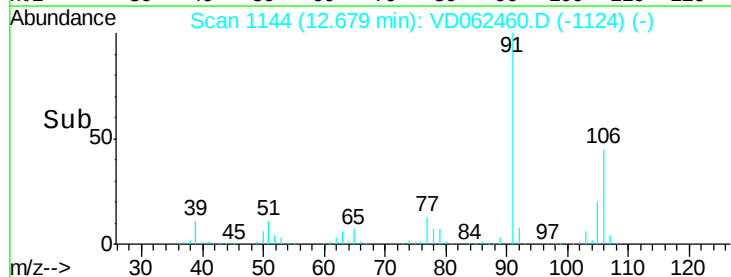
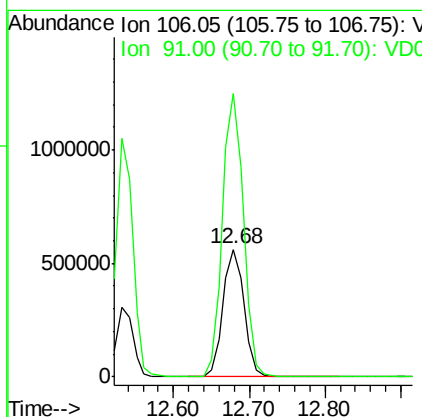
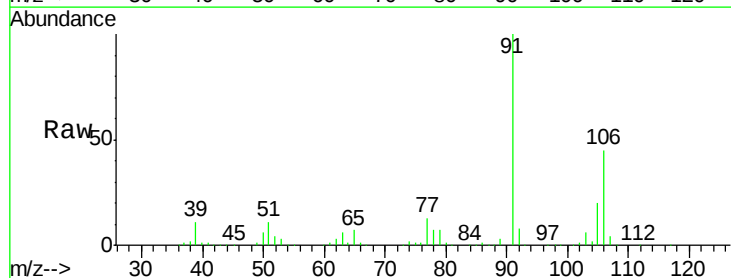
Instrument :
MSVOA_D
ClientSampleId :
ICVVD052019

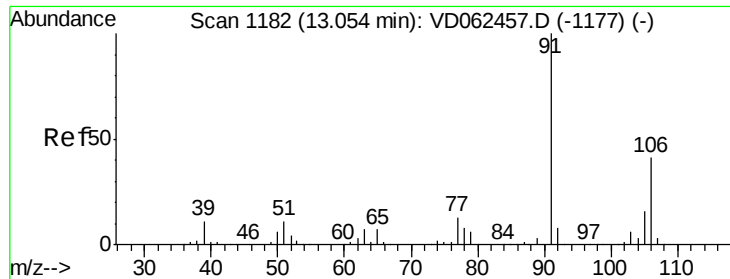
Tot Ion: 91 Resp: 1644995
Ion Ratio Lower Upper
91 100
106 29.3 24.7 37.1



#68
m/p-Xylenes
Concen: 105.420 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. -0.00 min
Lab File: VD062460.D
Acq: 20 May 2019 17:04

Tgt Ion:106 Resp: 1080841
Ion Ratio Lower Upper
106 100
91 221.8 164.0 246.0

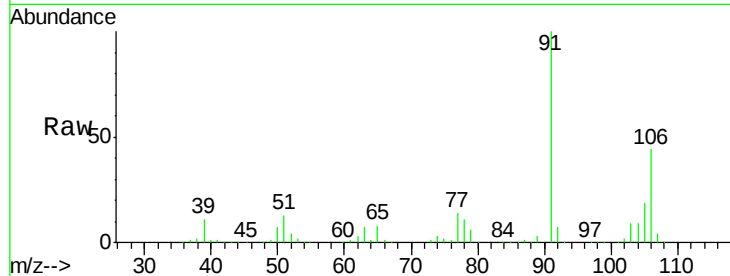




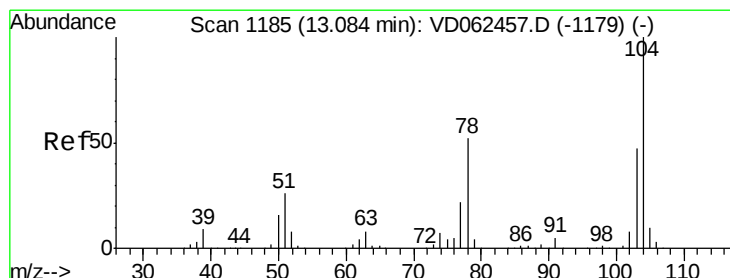
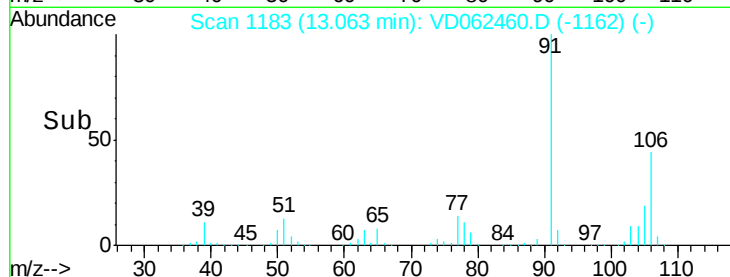
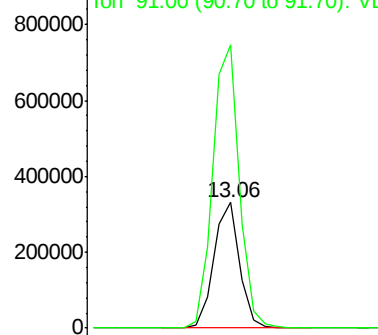
#69
o-Xylene
Concen: 52.242 ug/l
RT: 13.06 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VD062460.D
Acq: 20 May 2019 17:04

Instrument :
MSVOA_D
ClientSampleId :
ICVVD052019

Tot Ion:106 Resp: 505374
Ion Ratio Lower Upper
106 100
91 225.0 106.7 319.9

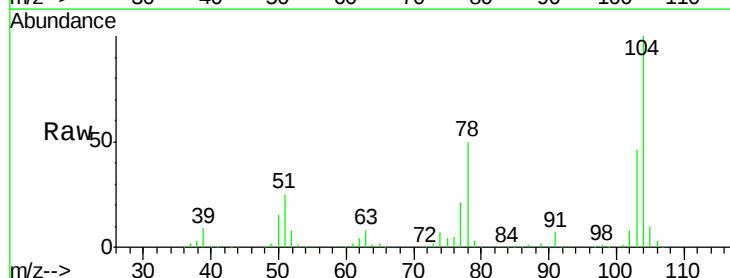


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

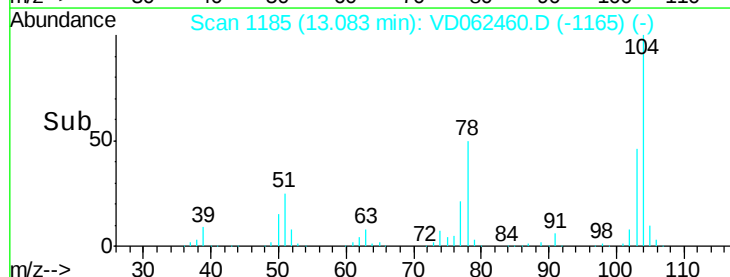
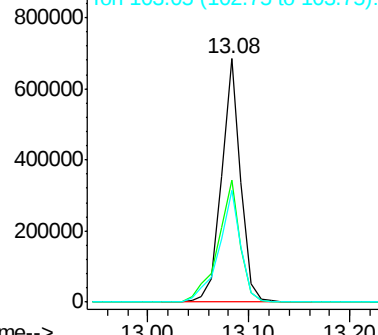


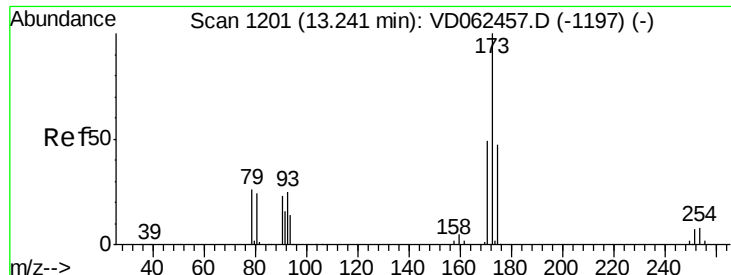
#70
Styrene
Concen: 54.928 ug/l
RT: 13.08 min Scan# 1185
Delta R.T. -0.00 min
Lab File: VD062460.D
Acq: 20 May 2019 17:04

Tgt Ion:104 Resp: 903941
Ion Ratio Lower Upper
104 100
78 49.9 35.4 53.2
103 46.1 37.5 56.3



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 56.496 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

ICVVD052019

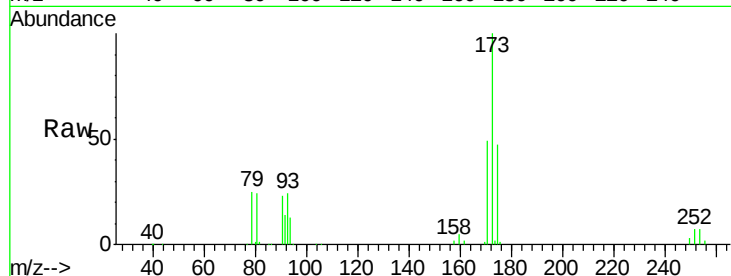
Tot Ion:173 Resp: 287193

Ion Ratio Lower Upper

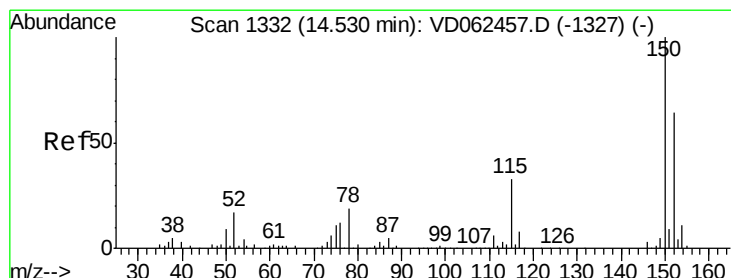
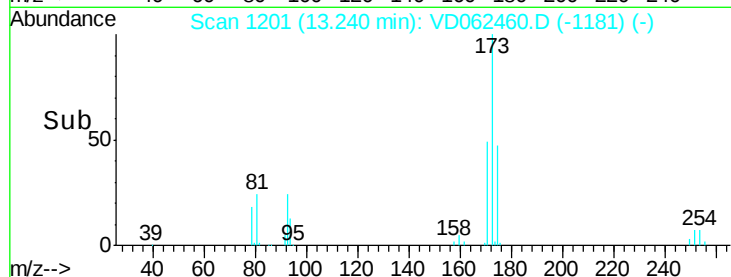
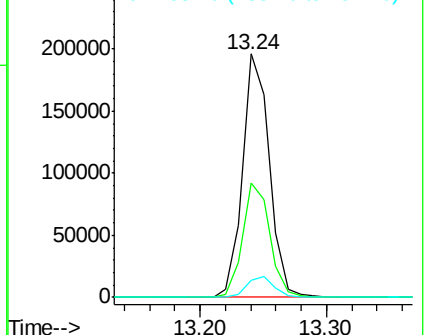
173 100

175 47.1 24.4 73.4

254 6.9 5.4 8.2



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1332

Delta R.T. -0.00 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

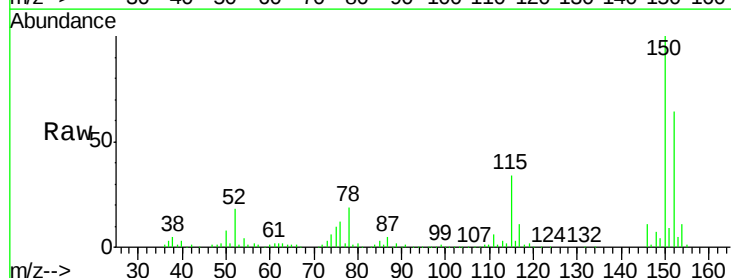
Tgt Ion:152 Resp: 453446

Ion Ratio Lower Upper

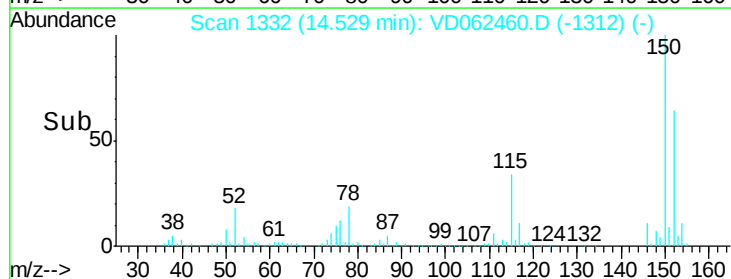
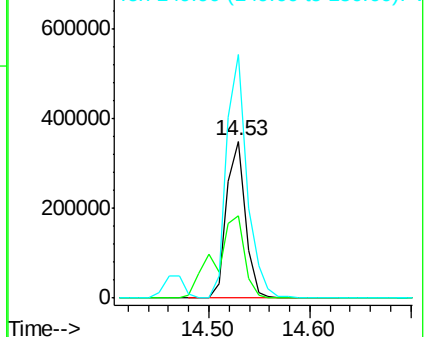
152 100

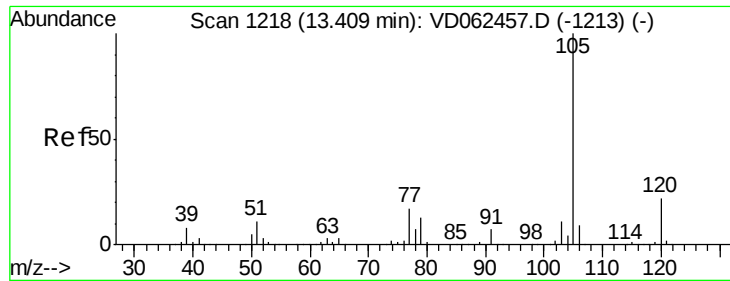
115 52.6 30.9 92.7

150 155.1 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.969 ug/l

RT: 13.42 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

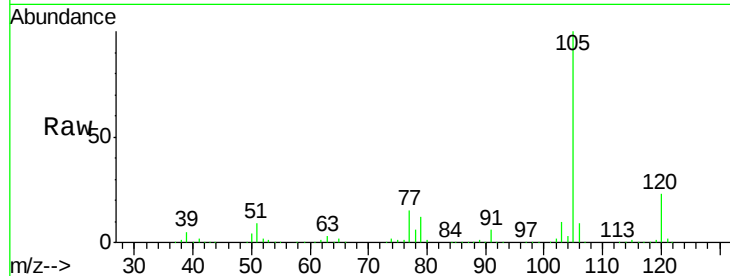
ICVVD052019

Tot Ion:105 Resp: 1485401

Ion Ratio Lower Upper

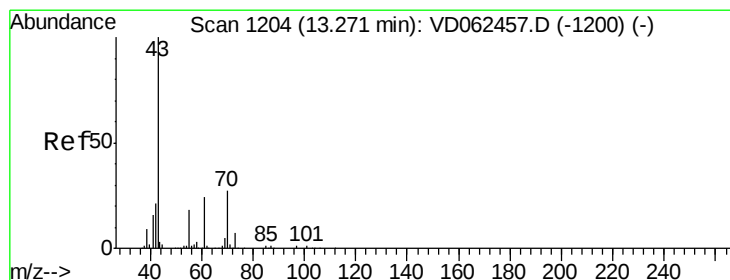
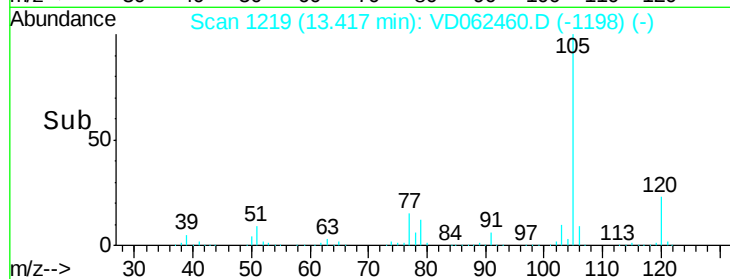
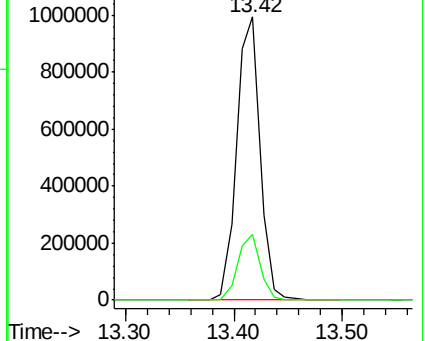
105 100

120 23.0 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 55.354 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

Tgt Ion: 43 Resp: 390763

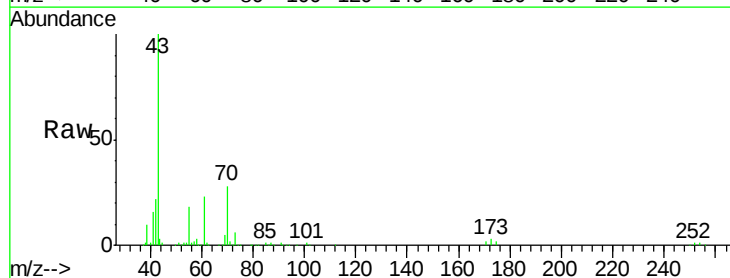
Ion Ratio Lower Upper

43 100

70 28.3 24.2 36.4

55 17.9 16.0 24.0

61 22.6 21.6 32.4

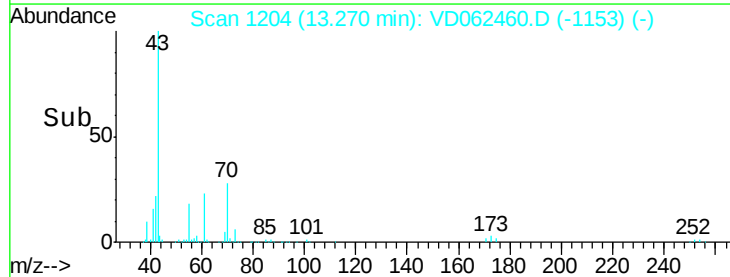
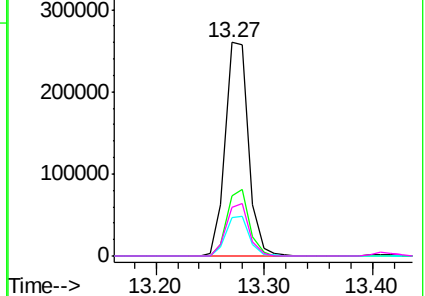


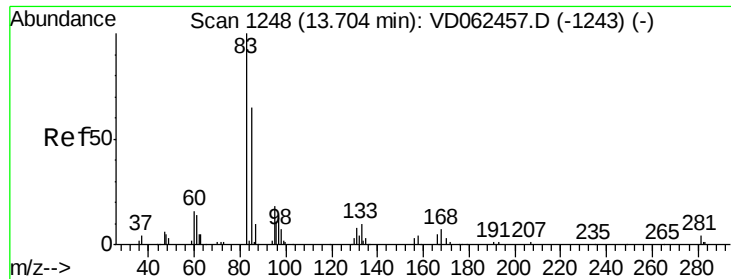
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.605 ug/l

RT: 13.71 min Scan# 1249

Delta R.T. 0.01 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

ICVVD052019

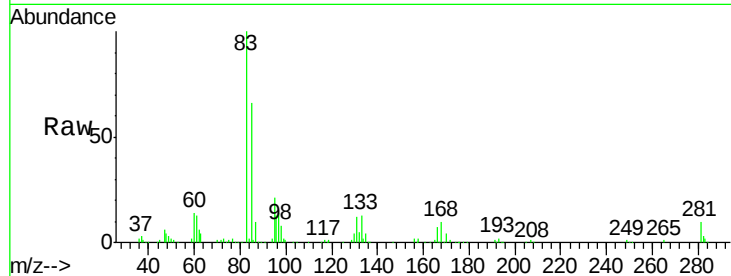
Tot Ion: 83 Resp: 260946

Ion Ratio Lower Upper

83 100

131 12.4 5.0 14.9

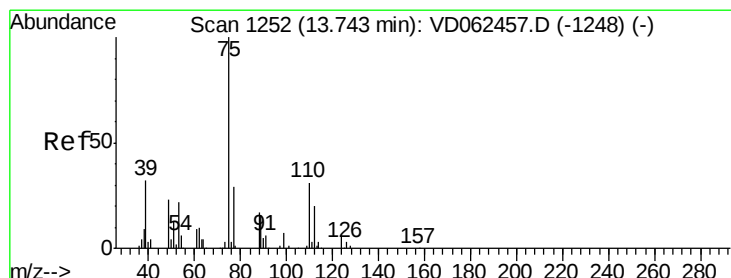
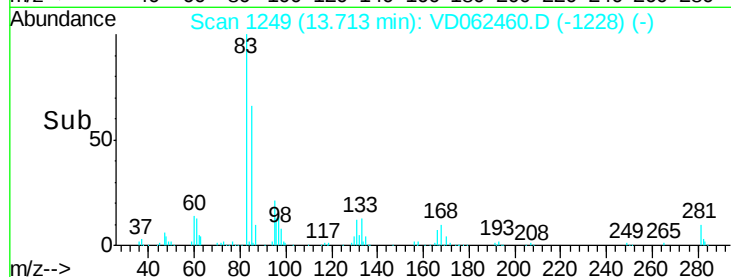
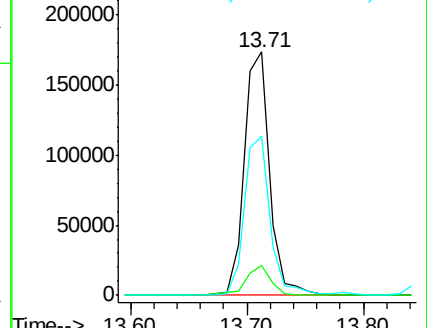
85 65.6 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 52.625 ug/l

RT: 13.74 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VD062460.D

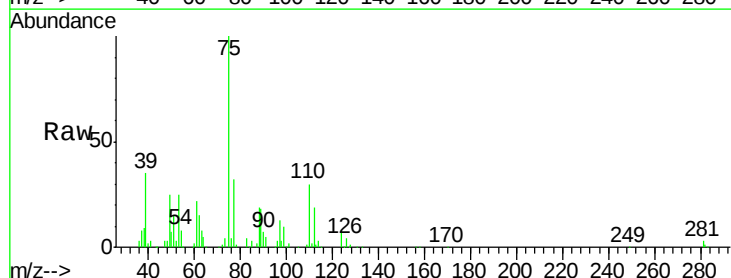
Acq: 20 May 2019 17:04

Tgt Ion: 75 Resp: 281076

Ion Ratio Lower Upper

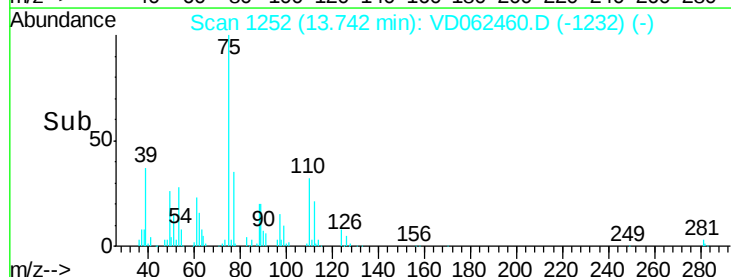
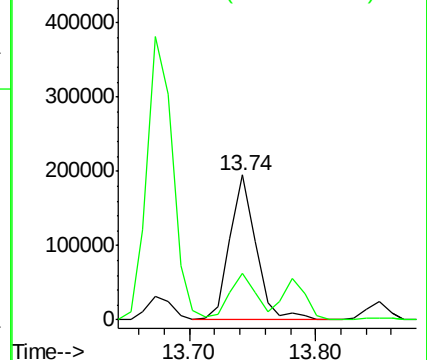
75 100

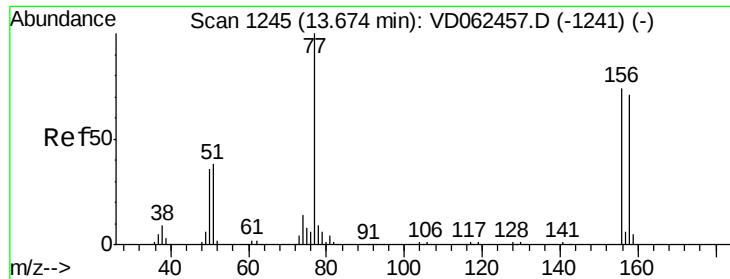
77 32.3 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 54.507 ug/l

RT: 13.68 min Scan# 1246

Delta R.T. 0.01 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

ICVVD052019

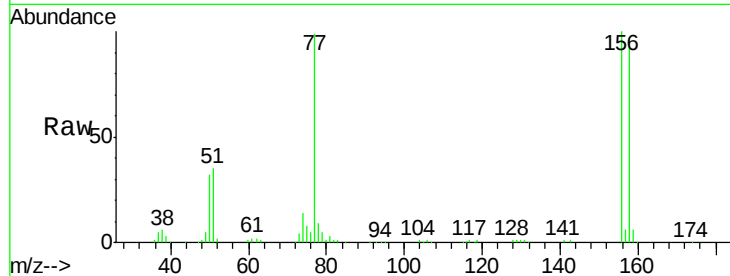
Tot Ion:156 Resp: 441951

Ion Ratio Lower Upper

156 100

77 98.8 53.1 159.4

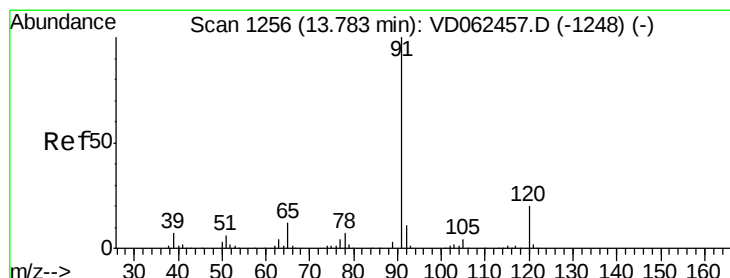
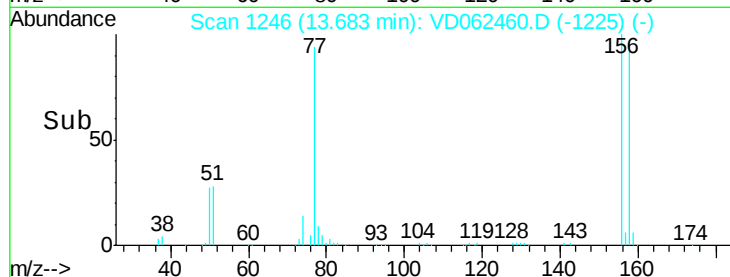
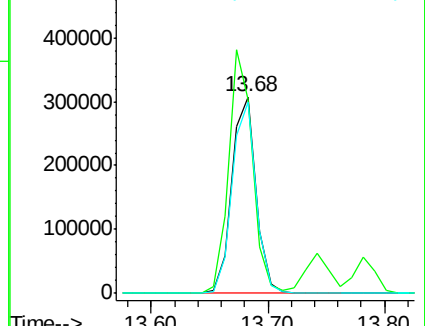
158 97.0 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 51.838 ug/l

RT: 13.78 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VD062460.D

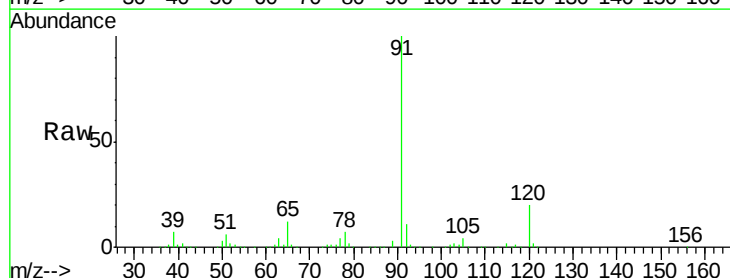
Acq: 20 May 2019 17:04

Tgt Ion: 91 Resp: 1716260

Ion Ratio Lower Upper

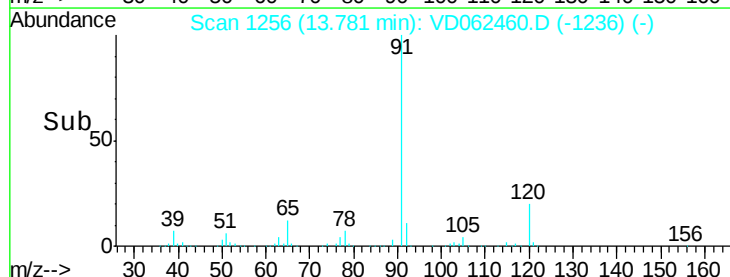
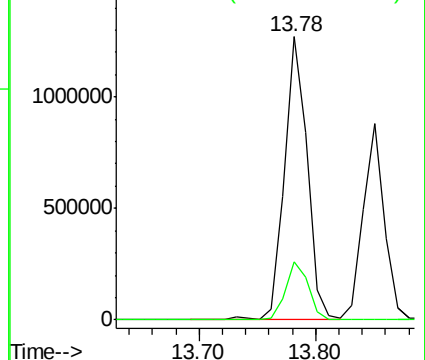
91 100

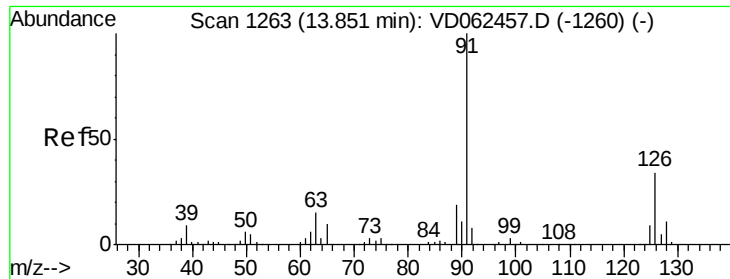
120 20.3 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 54.798 ug/l

RT: 13.85 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

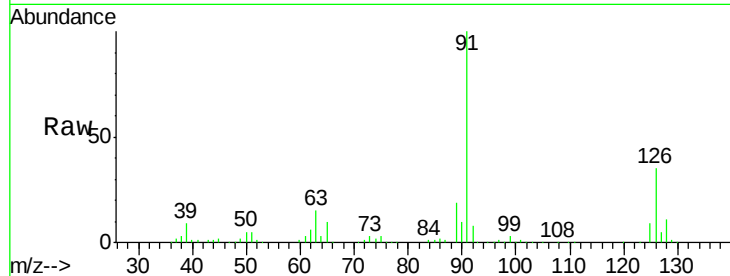
ICVVD052019

Tot Ion: 91 Resp: 1100989

Ion Ratio Lower Upper

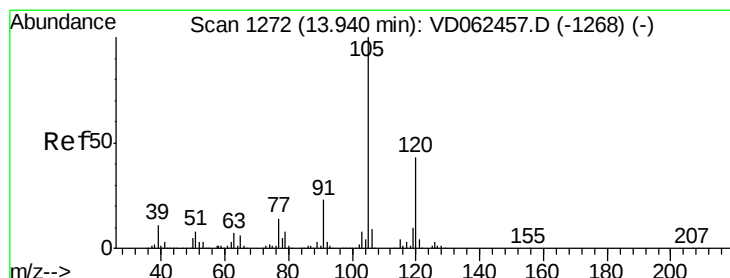
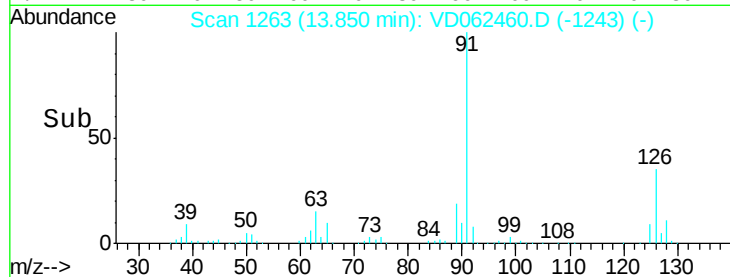
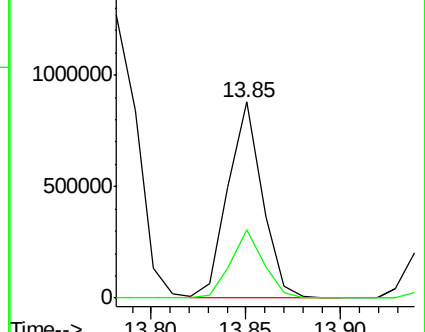
91 100

126 35.2 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 55.808 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD062460.D

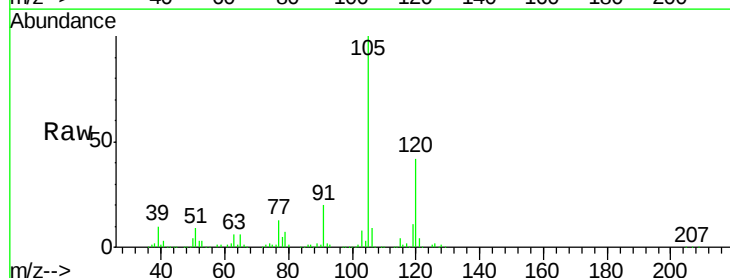
Acq: 20 May 2019 17:04

Tgt Ion:105 Resp: 1381152

Ion Ratio Lower Upper

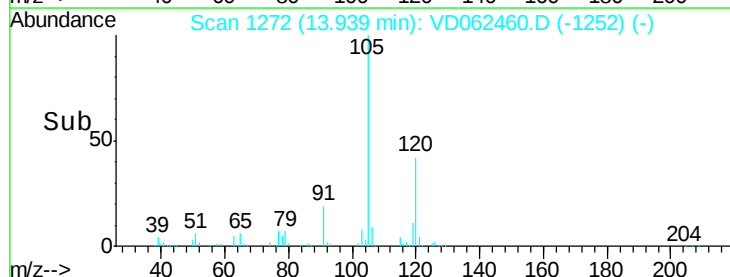
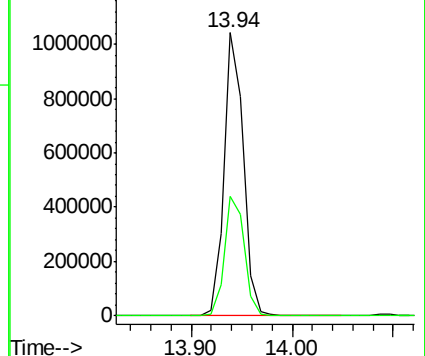
105 100

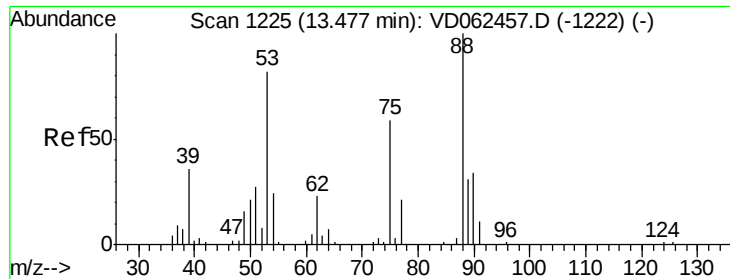
120 42.4 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 52.443 ug/l

RT: 13.49 min Scan# 1226

Delta R.T. 0.01 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

ICVVD052019

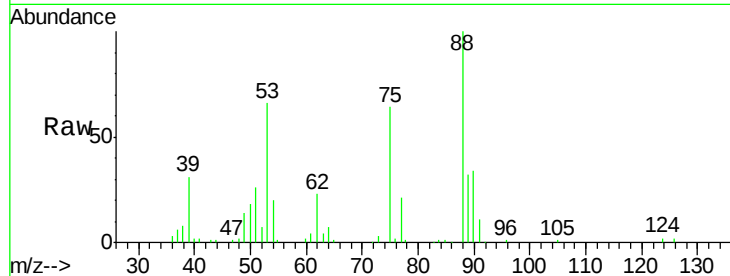
Tot Ion: 75 Resp: 78996

Ion Ratio Lower Upper

75 100

53 102.8 65.8 98.8#

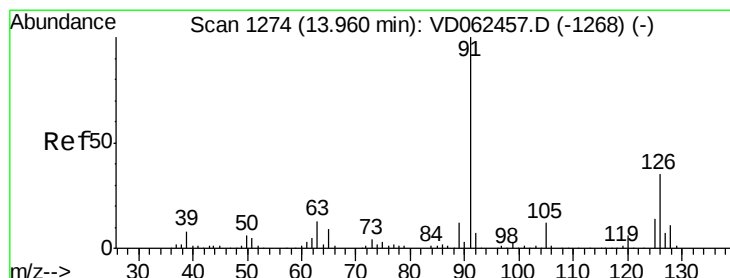
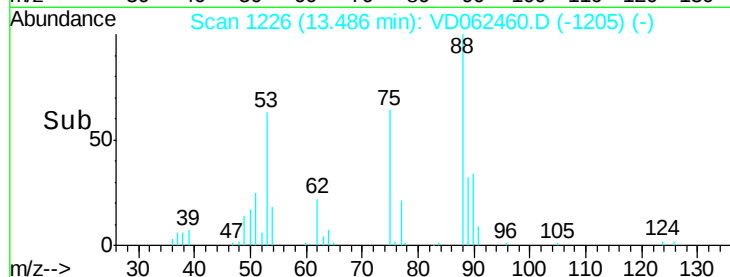
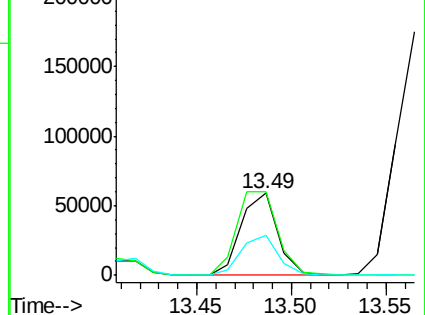
89 49.6 35.0 52.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 56.109 ug/l

RT: 13.96 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VD062460.D

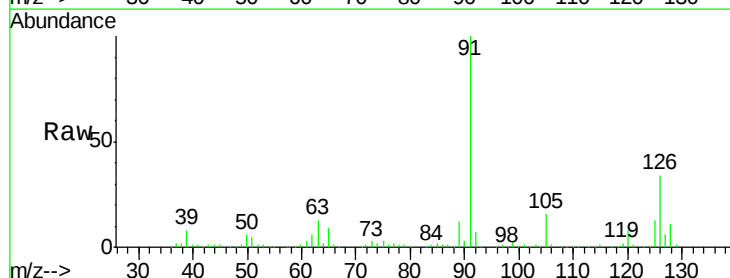
Acq: 20 May 2019 17:04

Tgt Ion: 91 Resp: 1298298

Ion Ratio Lower Upper

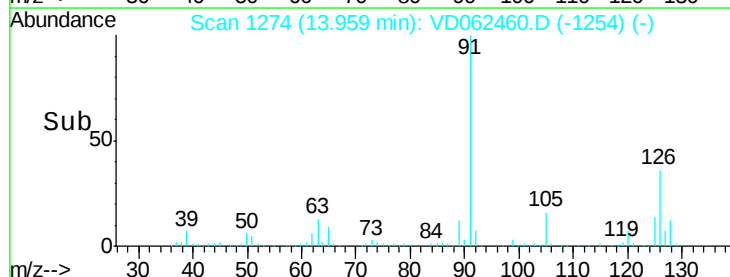
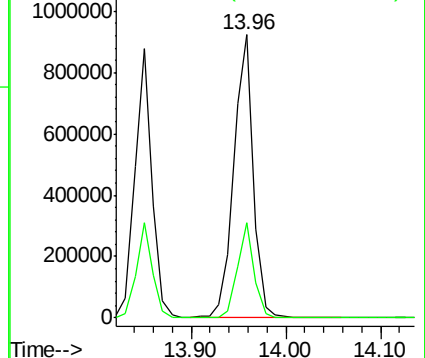
91 100

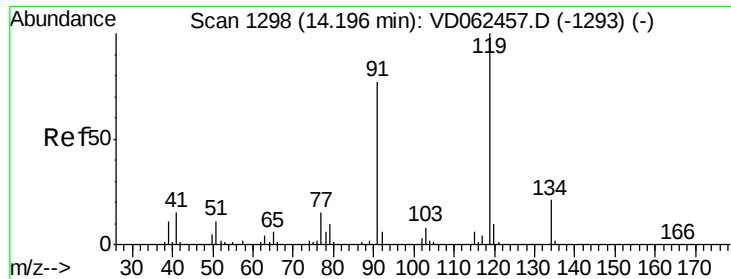
126 33.8 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

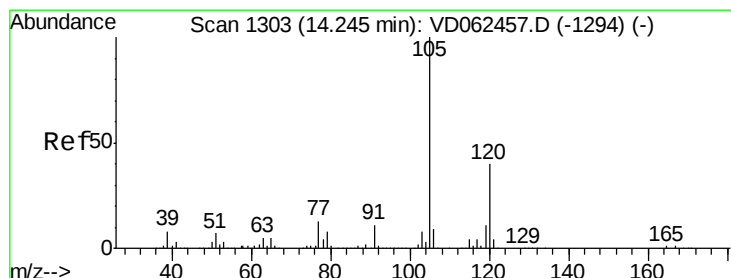
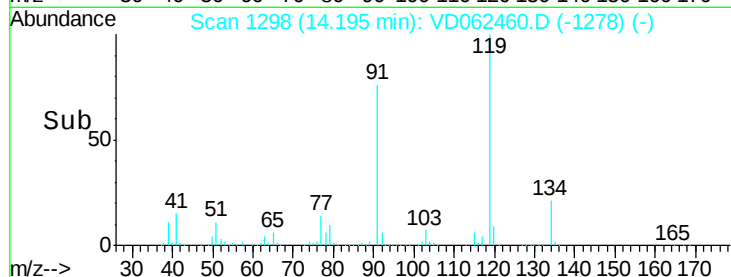
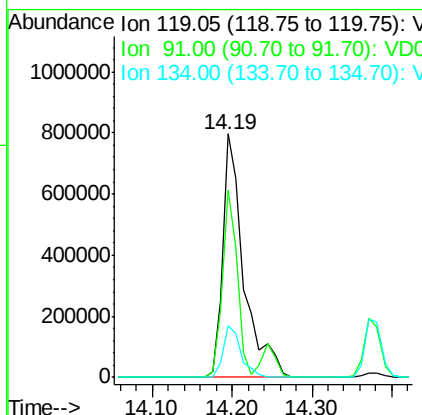
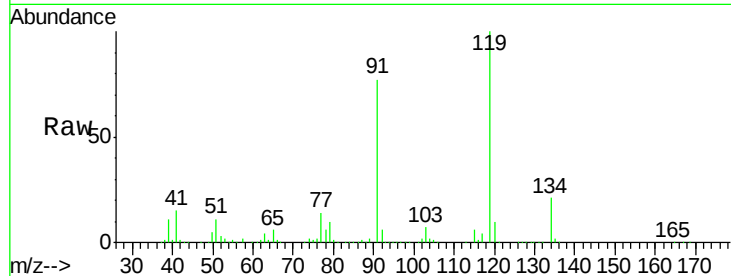




#83
 tert-Butylbenzene
 Concen: 53.870 ug/l
 RT: 14.19 min Scan# 1298
 Delta R.T. -0.00 min
 Lab File: VD062460.D
 Acq: 20 May 2019 17:04

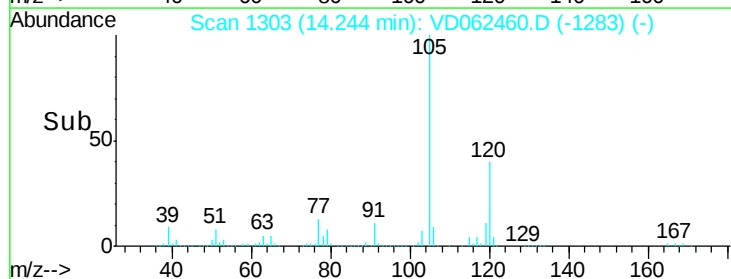
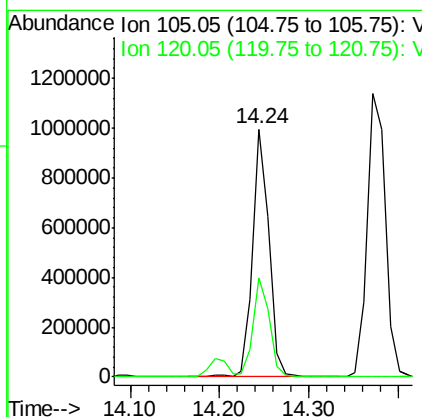
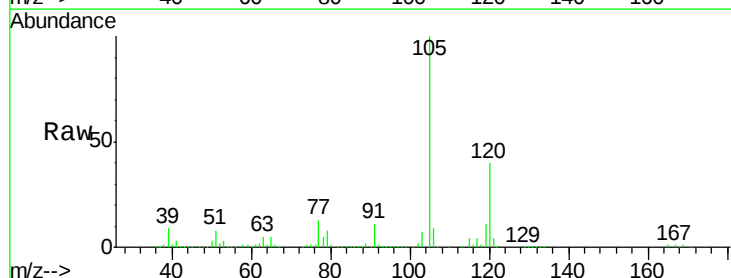
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD052019

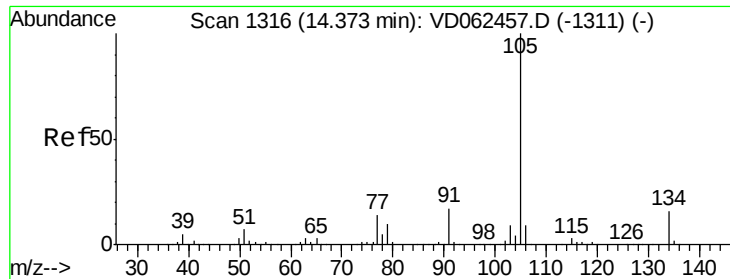
Tot Ion:119 Resp: 1478811
 Ion Ratio Lower Upper
 119 100
 91 77.0 34.2 102.6
 134 21.2 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 49.078 ug/l
 RT: 14.24 min Scan# 1303
 Delta R.T. -0.00 min
 Lab File: VD062460.D
 Acq: 20 May 2019 17:04

Tgt Ion:105 Resp: 1244561
 Ion Ratio Lower Upper
 105 100
 120 39.8 23.1 69.2





#85

sec-Butylbenzene

Concen: 55.286 ug/l

RT: 14.37 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

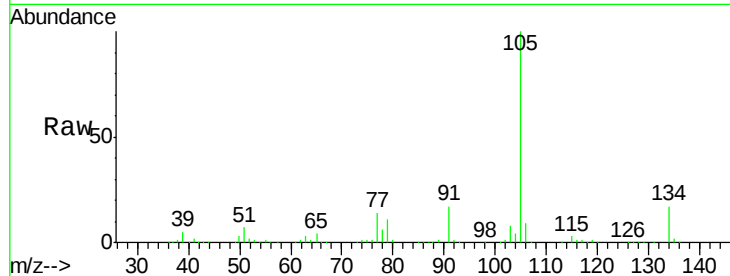
ICVVD052019

Tot Ion:105 Resp: 1582509

Ion Ratio Lower Upper

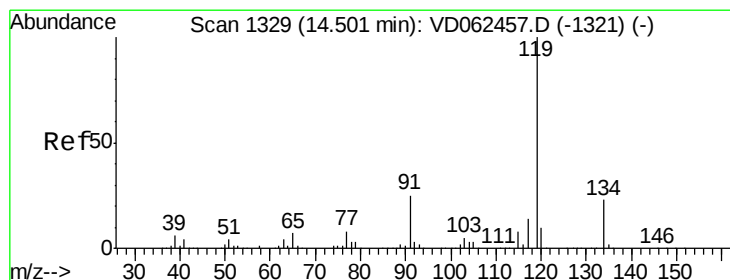
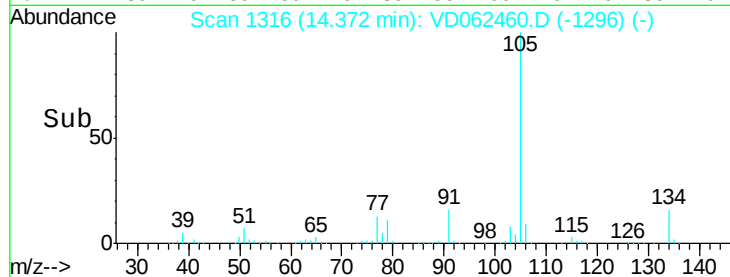
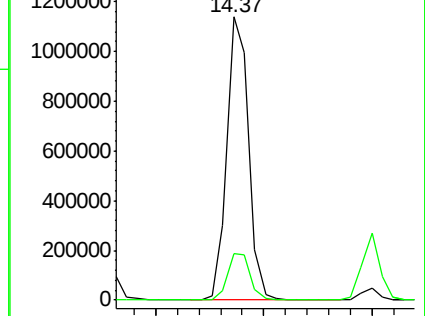
105 100

134 16.5 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 53.530 ug/l

RT: 14.50 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VD062460.D

Acq: 20 May 2019 17:04

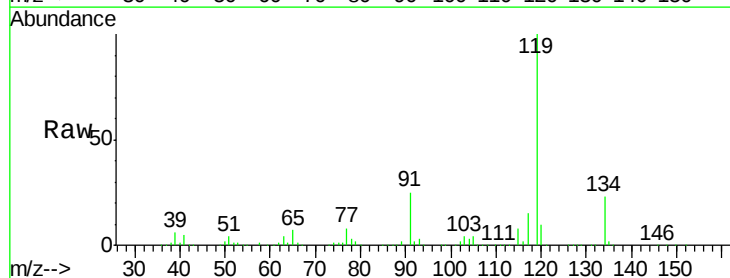
Tgt Ion:119 Resp: 1388571

Ion Ratio Lower Upper

119 100

134 23.1 12.8 38.3

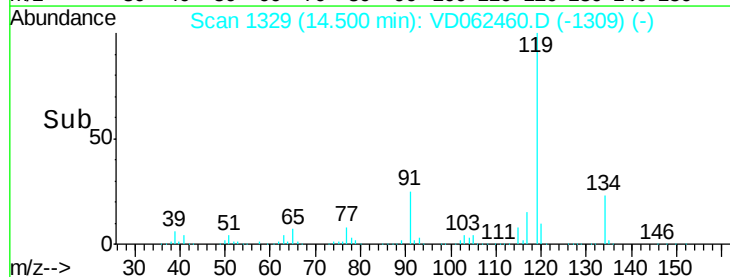
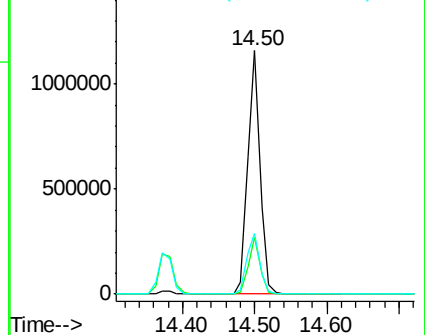
91 25.1 10.7 32.1

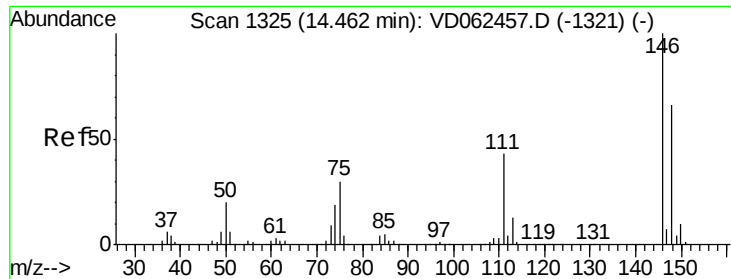


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

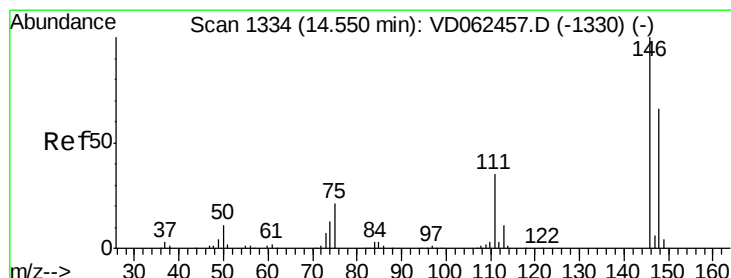
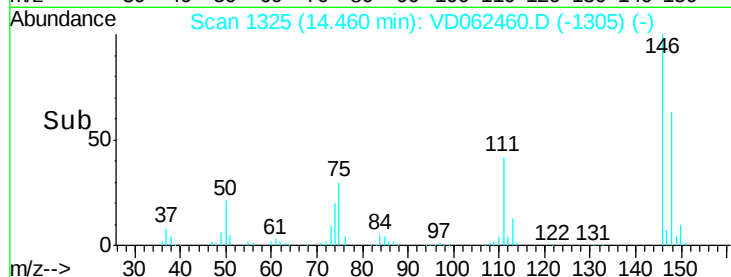
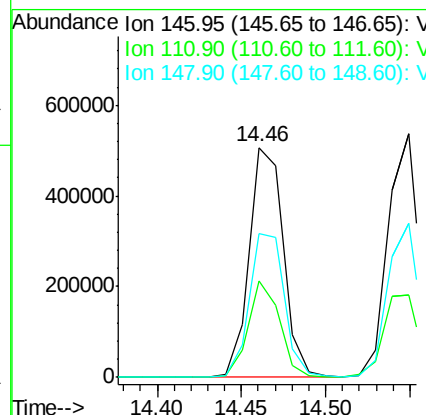
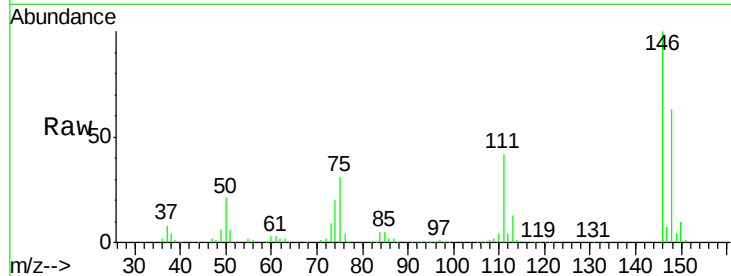




#87
 1,3-Dichlorobenzene
 Concen: 49.825 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VD062460.D
 Acq: 20 May 2019 17:04

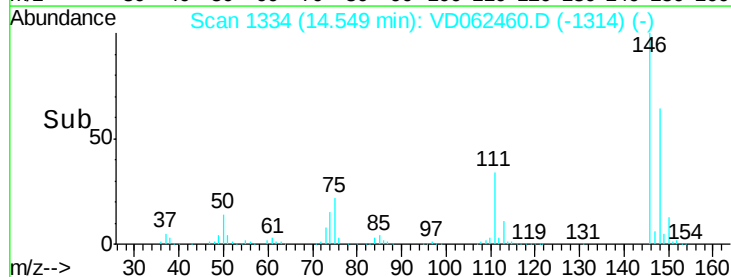
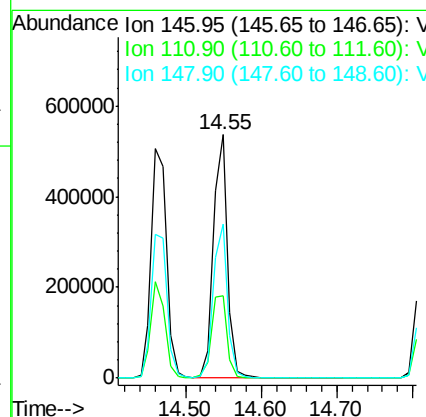
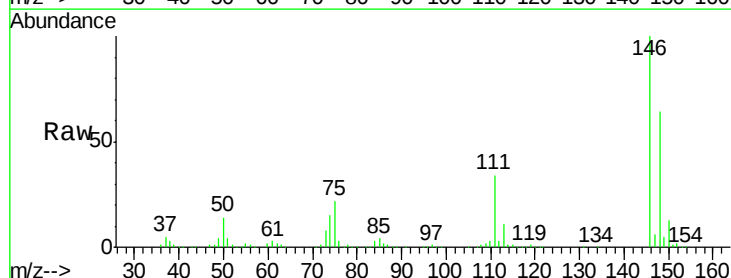
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD052019

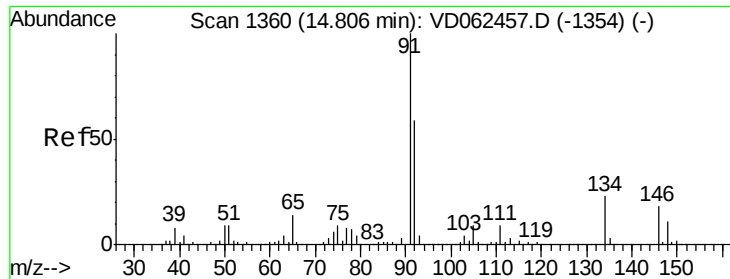
Tot Ion:146 Resp: 713420
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.0 60.0
 148 62.6 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 51.016 ug/l
 RT: 14.55 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VD062460.D
 Acq: 20 May 2019 17:04

Tgt Ion:146 Resp: 704889
 Ion Ratio Lower Upper
 146 100
 111 33.6 20.2 60.5
 148 63.5 32.0 96.2

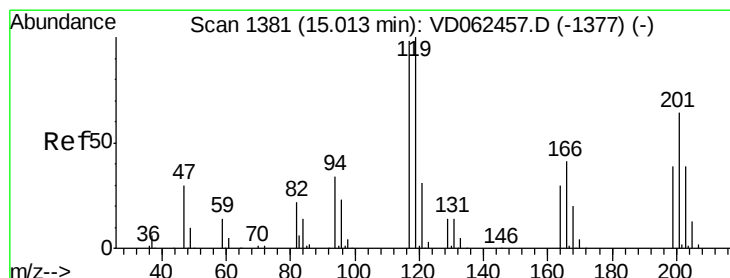
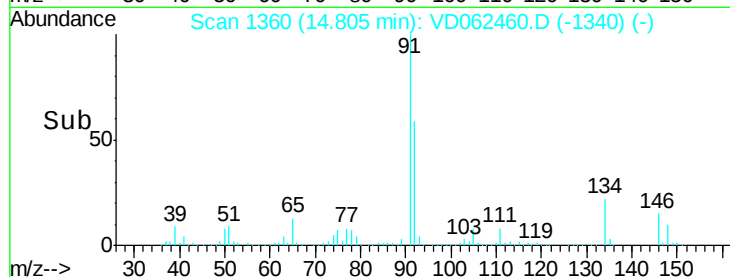
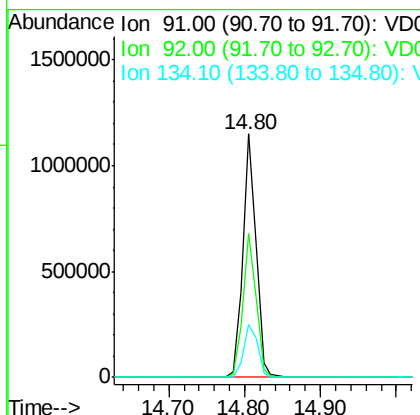
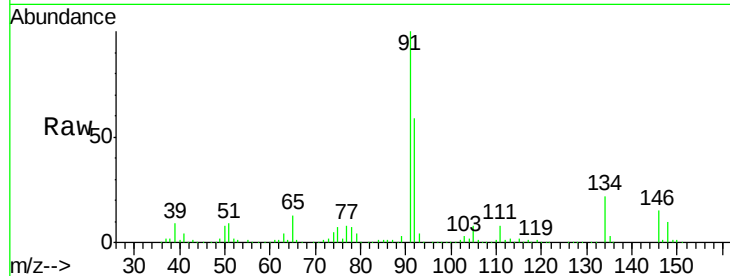




#89
n-Butylbenzene
Concen: 54.141 ug/l
RT: 14.80 min Scan# 1360
Delta R.T. -0.00 min
Lab File: VD062460.D
Acq: 20 May 2019 17:04

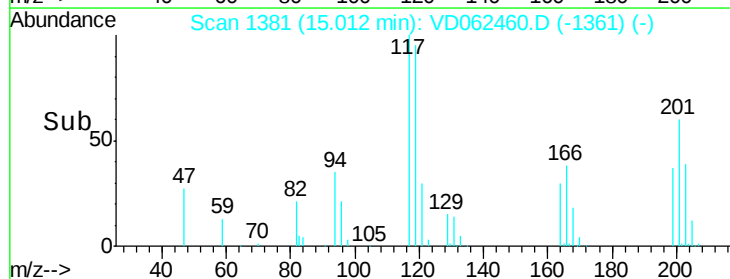
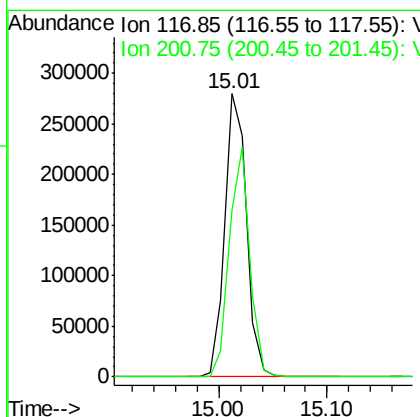
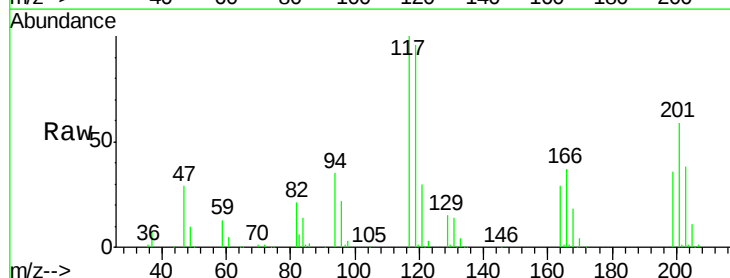
Instrument :
MSVOA_D
ClientSampleId :
ICVVD052019

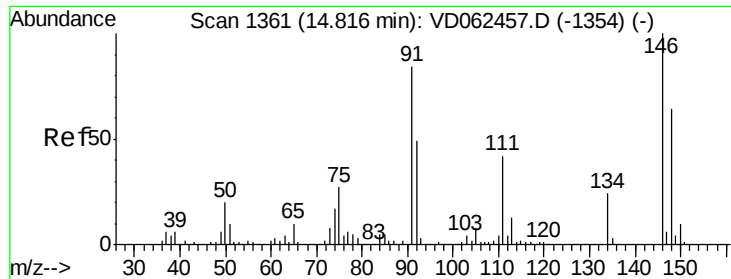
Tot Ion: 91 Resp: 1355383
Ion Ratio Lower Upper
91 100
92 59.0 30.3 91.0
134 21.9 14.5 43.6



#90
Hexachloroethane
Concen: 54.523 ug/l
RT: 15.01 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VD062460.D
Acq: 20 May 2019 17:04

Tgt Ion: 117 Resp: 390869
Ion Ratio Lower Upper
117 100
201 58.9 30.2 90.6

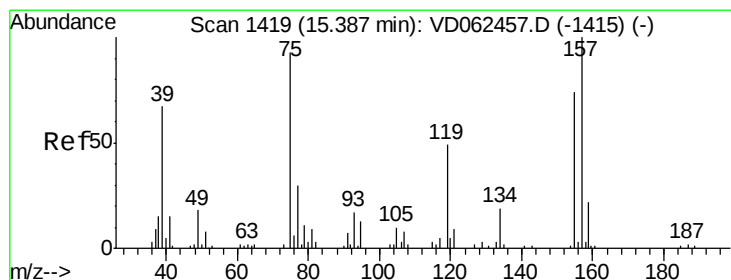
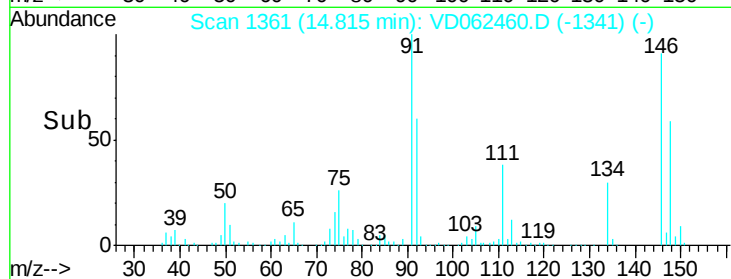
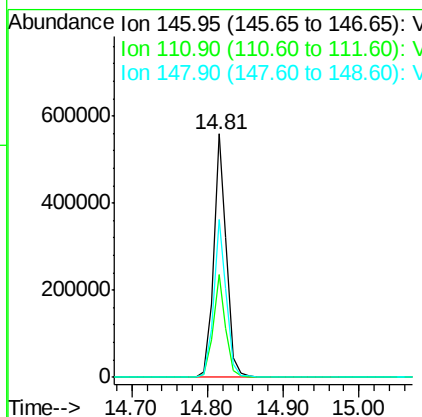
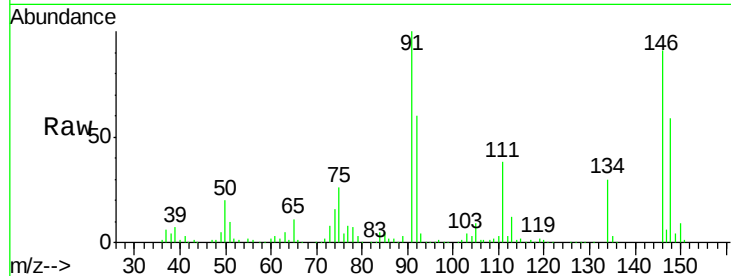




#91
 1,2-Dichlorobenzene
 Concen: 54.745 ug/l
 RT: 14.81 min Scan# 1361
 Delta R.T. -0.00 min
 Lab File: VD062460.D
 Acq: 20 May 2019 17:04

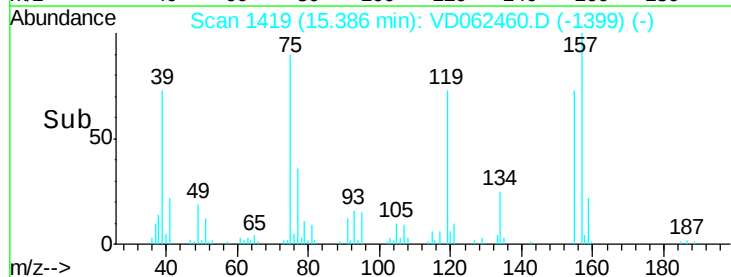
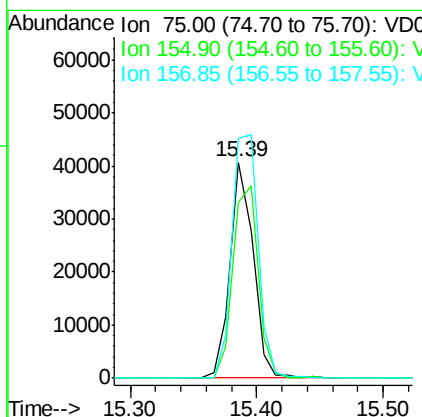
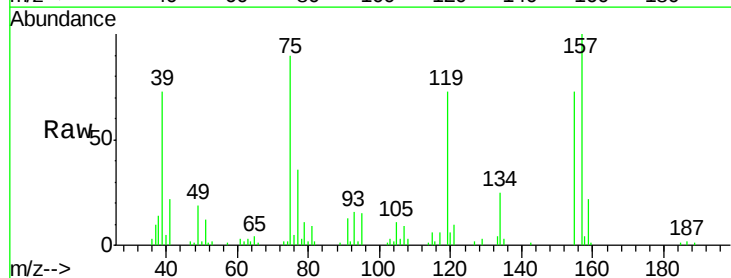
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD052019

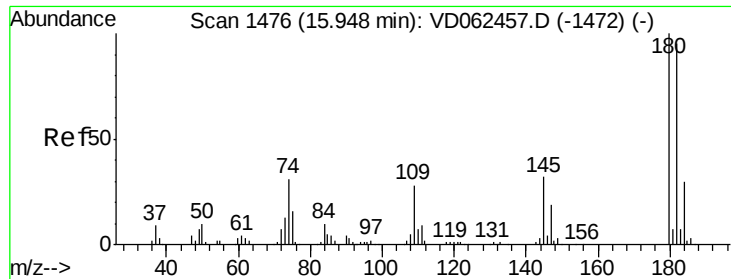
Tot Ion:146 Resp: 666543
 Ion Ratio Lower Upper
 146 100
 111 42.4 20.0 59.9
 148 64.8 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.453 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. -0.00 min
 Lab File: VD062460.D
 Acq: 20 May 2019 17:04

Tgt Ion: 75 Resp: 51340
 Ion Ratio Lower Upper
 75 100
 155 81.2 55.3 165.8
 157 111.1 67.8 203.2

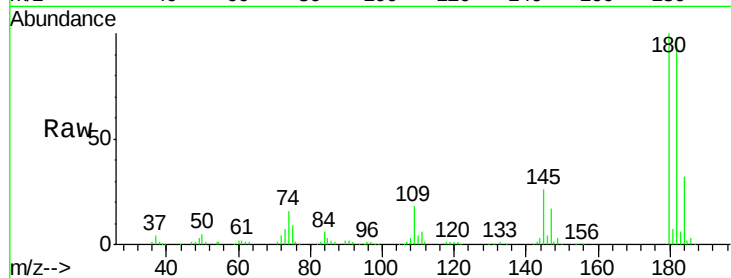




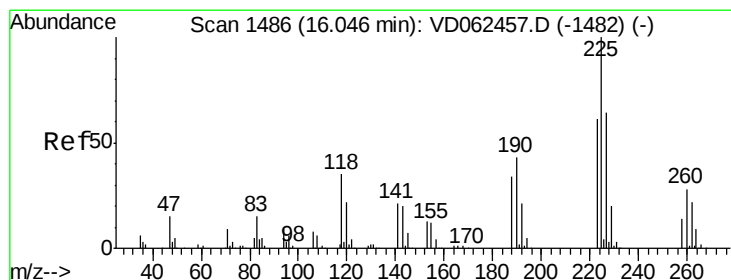
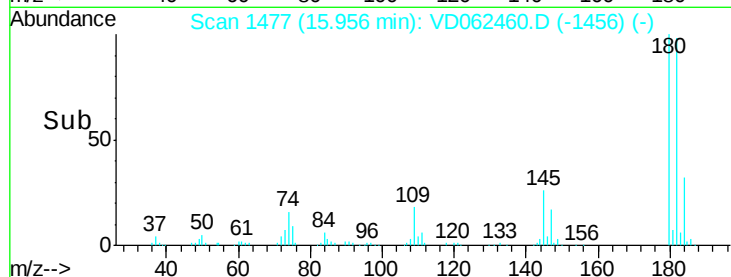
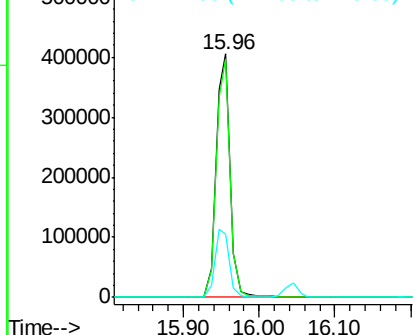
#93
 1,2,4-Trichlorobenzene
 Concen: 55.503 ug/l
 RT: 15.96 min Scan# 1477
 Delta R.T. 0.01 min
 Lab File: VD062460.D
 Acq: 20 May 2019 17:04

Instrument :
 MSVOA_D
 ClientSampleID :
 ICVVD052019

Tot Ion:180 Resp: 532104
 Ion Ratio Lower Upper
 180 100
 182 97.9 49.3 147.8
 145 25.9 16.2 48.6

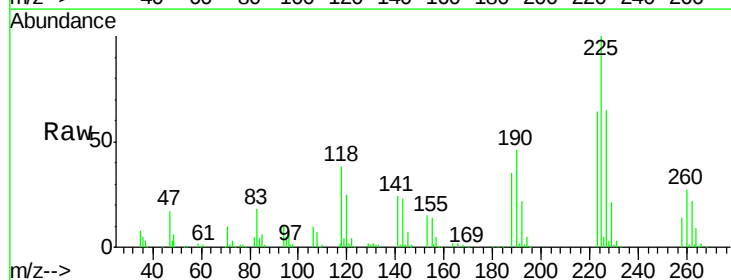


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

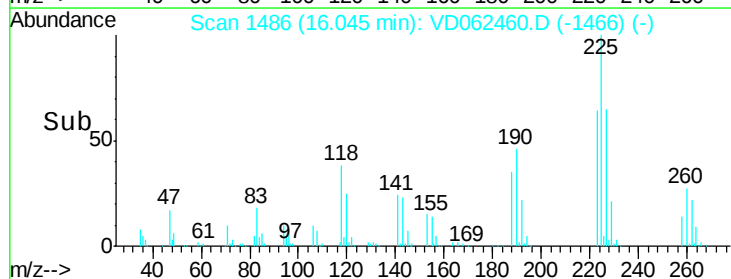
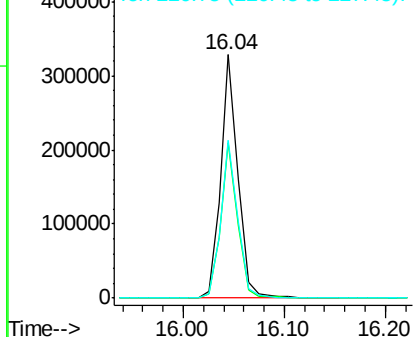


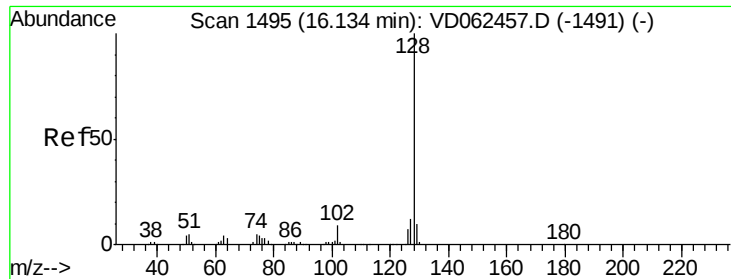
#94
 Hexachlorobutadiene
 Concen: 55.252 ug/l
 RT: 16.04 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD062460.D
 Acq: 20 May 2019 17:04

Tgt Ion:225 Resp: 391112
 Ion Ratio Lower Upper
 225 100
 223 63.6 30.6 92.0
 227 64.7 32.0 96.2



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

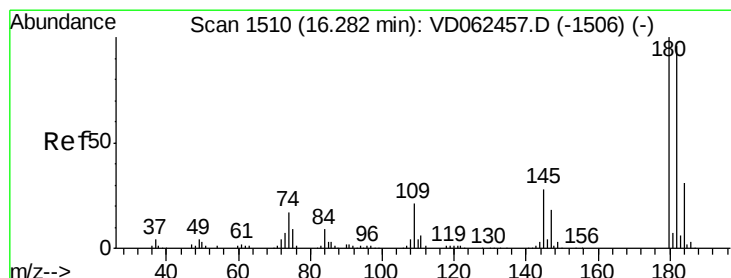
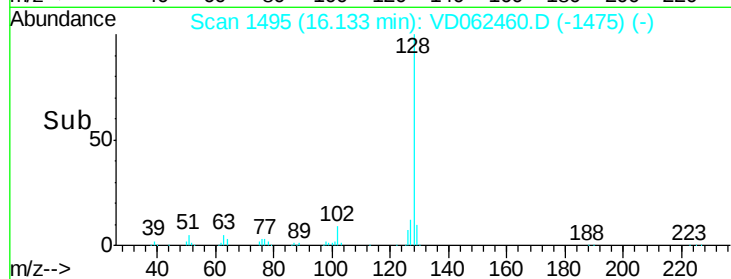
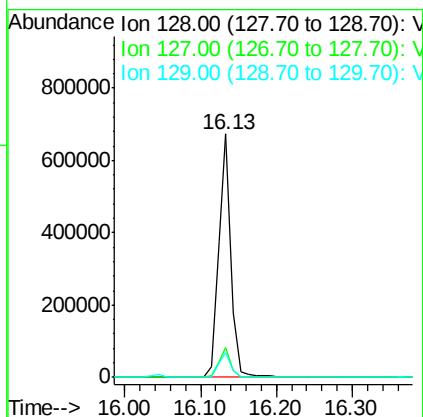
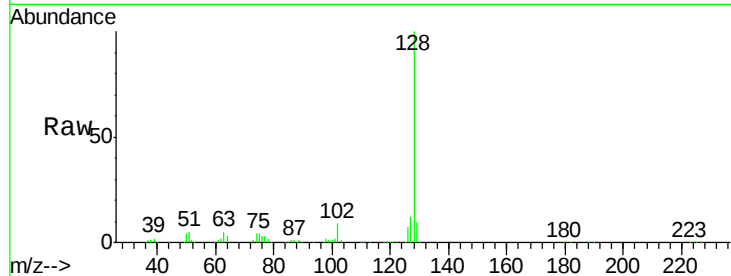




#95
Naphthalene
Concen: 58.681 ug/l
RT: 16.13 min Scan# 1495
Delta R.T. -0.00 min
Lab File: VD062460.D
Acq: 20 May 2019 17:04

Instrument :
MSVOA_D
ClientSampleId :
ICVVD052019

Tot Ion:128 Resp: 768697
Ion Ratio Lower Upper
128 100
127 12.4 9.8 14.8
129 10.4 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 51.739 ug/l
RT: 16.28 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VD062460.D
Acq: 20 May 2019 17:04

Tgt Ion:180 Resp: 406630
Ion Ratio Lower Upper
180 100
182 96.1 47.0 141.0
145 29.0 17.0 51.0

