

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060319\
 Data File : VD062595.D
 Acq On : 3 Jun 2019 19:34
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 04 05:53:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 02:08:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	773719	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.21	114	1038478	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	934519	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	503976	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	490351	54.05	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	108.10%	
35) Dibromofluoromethane	6.92	113	507643	53.64	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	107.28%	
50) Toluene-d8	10.41	98	1078270	52.00	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	104.00%	
62) 4-Bromofluorobenzene	13.56	95	487925	52.18	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	424785	47.336	ug/l	97
3) Chloromethane	1.74	50	360710	41.313	ug/l	97
4) Vinyl Chloride	1.85	62	354820	51.762	ug/l	99
5) Bromomethane	2.15	94	181653	81.604	ug/l	99
6) Chloroethane	2.27	64	183002	56.931	ug/l	98
7) Trichlorofluoromethane	2.53	101	762984	52.670	ug/l	98
8) Diethyl Ether	2.88	74	118531	63.785	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.14	101	467488	54.649	ug/l	94
10) Methyl Iodide	3.30	142	523713	53.955	ug/l	96
11) Tert butyl alcohol	4.09	59	124083	320.672	ug/l	98
12) 1,1-Dichloroethene	3.12	96	339367	56.079	ug/l	96
13) Acrolein	3.03	56	50979	302.366	ug/l	91
14) Allyl chloride	3.62	41	533651	56.453	ug/l	98
15) Acrylonitrile	4.20	53	270196	292.100	ug/l	93
16) Acetone	3.22	43	426907	239.501	ug/l	98
17) Carbon Disulfide	3.37	76	967314	49.174	ug/l	100
18) Methyl Acetate	3.64	43	159433	54.801	ug/l #	92
19) Methyl tert-butyl Ether	4.25	73	845006	57.642	ug/l	100
20) Methylene Chloride	3.81	84	358077	54.268	ug/l	96
21) trans-1,2-Dichloroethene	4.22	96	371253	54.060	ug/l	89
22) Diisopropyl ether	5.12	45	1102553	57.093	ug/l	95
23) Vinyl Acetate	5.06	43	3578161	305.532	ug/l	97
24) 1,1-Dichloroethane	4.98	63	692925	55.602	ug/l	98
25) 2-Butanone	6.07	43	480697	286.345	ug/l	97
26) 2,2-Dichloropropane	6.02	77	771563	55.808	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	417383	59.126	ug/l	90
28) Bromochloromethane	6.44	49	245984	57.122	ug/l	99
29) Tetrahydrofuran	6.46	42	234974	312.471	ug/l	97
30) Chloroform	6.67	83	852448	56.765	ug/l	98
31) Cyclohexane	6.95	56	452210	53.670	ug/l	90
32) 1,1,1-Trichloroethane	6.86	97	844357	54.027	ug/l	94
36) 1,1-Dichloropropene	7.15	75	593658	57.427	ug/l	93
37) Ethyl Acetate	6.18	43	236691	54.308	ug/l #	96
38) Carbon Tetrachloride	7.11	117	977263	63.496	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	491894	56.202	ug/l	97
40) Benzene	7.45	78	1122348	55.316	ug/l	100
41) Methacrylonitrile	6.44	41	317450	61.897	ug/l #	91
42) 1,2-Dichloroethane	7.57	62	670470	59.324	ug/l	99
43) Isopropyl Acetate	9.24	43	331440	61.102	ug/l #	98
44) Trichloroethene	8.54	130	453131	55.903	ug/l	95
45) 1,2-Dichloropropane	8.93	63	292851	58.872	ug/l	100
46) Dibromomethane	9.06	93	246307	58.950	ug/l	98
47) Bromodichloromethane	9.37	83	666350	57.881	ug/l	98
48) Methyl methacrylate	9.12	41	235123	65.080	ug/l	98
49) 1,4-Dioxane	9.09	88	40831	1391.414	ug/l #	89
51) 4-Methyl-2-Pentanone	10.30	43	1144065	302.311	ug/l	96
52) Toluene	10.51	92	787007	56.872	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	565543	58.144	ug/l	96
54) cis-1,3-Dichloropropene	10.03	75	601210	59.453	ug/l	99
55) 1,1,2-Trichloroethane	11.19	97	282703	62.219	ug/l	93
56) Ethyl methacrylate	11.04	69	299406	61.824	ug/l	95
57) 1,3-Dichloropropane	11.40	76	432602	61.761	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	752739	303.063	ug/l	98
59) 2-Hexanone	11.53	43	836613	315.172	ug/l	100
60) Dibromochloromethane	11.69	129	520099	58.902	ug/l	100
61) 1,2-Dibromoethane	11.81	107	314275	57.497	ug/l	99
64) Tetrachloroethene	11.25	164	405737	49.114	ug/l	99
65) Chlorobenzene	12.40	112	990526	54.408	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	460670	53.505	ug/l	94
67) Ethyl Benzene	12.52	91	1633335	48.968	ug/l	98
68) m/p-Xylenes	12.66	106	1226286	106.277	ug/l	98
69) o-Xylene	13.05	106	535317	48.634	ug/l	87
70) Styrene	13.08	104	959188	51.322	ug/l	98
71) Bromoform	13.23	173	332355	54.989	ug/l #	99
73) Isopropylbenzene	13.40	105	1774252	53.401	ug/l	99
74) N-amyl acetate	13.26	43	488883	57.708	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	318618	60.466	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	352126	58.238	ug/l	98
77) Bromobenzene	13.67	156	487577	53.523	ug/l	88
78) n-propylbenzene	13.77	91	2054063	53.636	ug/l	96
79) 2-Chlorotoluene	13.83	91	1260273	56.754	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	1585976	55.862	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	88484	51.073	ug/l	85
82) 4-Chlorotoluene	13.94	91	1470251	55.305	ug/l	90
83) tert-Butylbenzene	14.19	119	1720105	54.297	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	1574040	54.409	ug/l	95
85) sec-Butylbenzene	14.37	105	1745786	52.021	ug/l	100
86) p-Isopropyltoluene	14.49	119	1619941	51.667	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	846659	53.616	ug/l	95
88) 1,4-Dichlorobenzene	14.53	146	835716	52.811	ug/l	97
89) n-Butylbenzene	14.80	91	1526252	54.531	ug/l	96
90) Hexachloroethane	15.00	117	460301	55.337	ug/l	82
91) 1,2-Dichlorobenzene	14.81	146	726991	54.727	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	65250	59.719	ug/l	75

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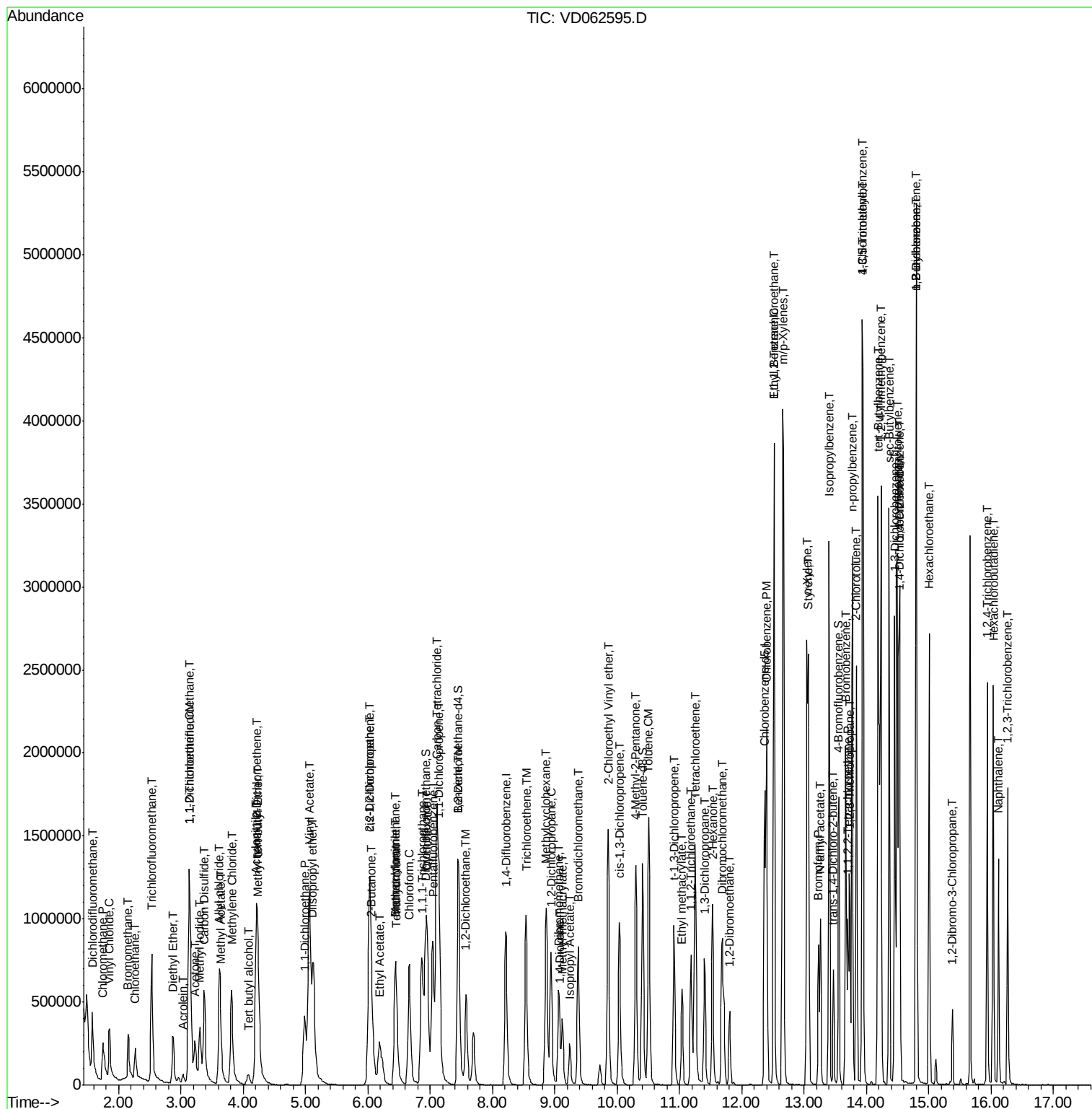
Instrument :
MSVOA_D
ClientSampleId :

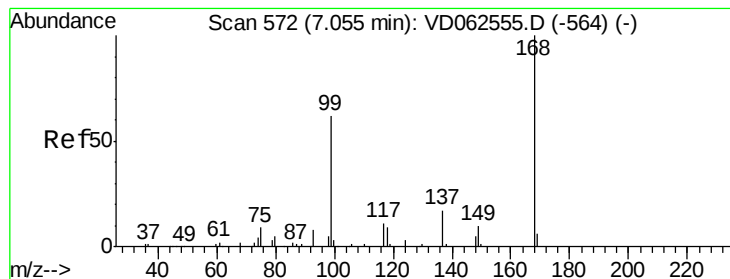
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	556546	52.396	ug/l	96
94) Hexachlorobutadiene	16.04	225	439059	55.993	ug/l	99
95) Naphthalene	16.12	128	805112	55.657	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	425959	53.685	ug/l	96

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Instrument :

MSVOA_D

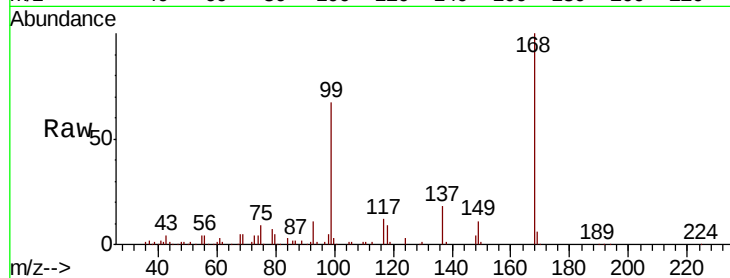
ClientSampleId :

Tot Ion:168 Resp: 773719

Ion Ratio Lower Upper

168 100

99 66.7 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

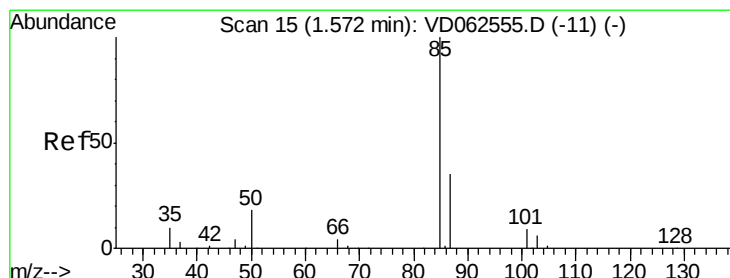
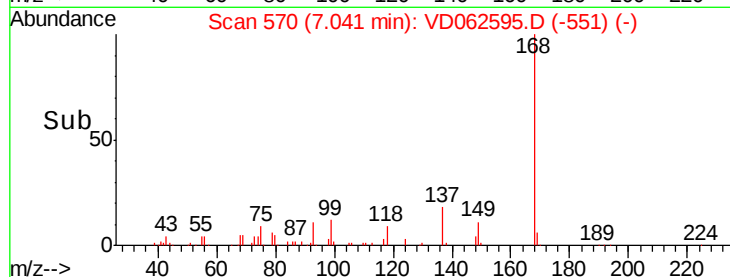
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.336 ug/l

RT: 1.58 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD062595.D

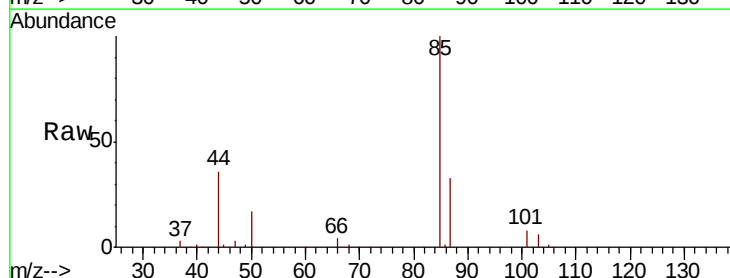
Acq: 3 Jun 2019 19:34

Tgt Ion: 85 Resp: 424785

Ion Ratio Lower Upper

85 100

87 33.1 17.5 52.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

200000

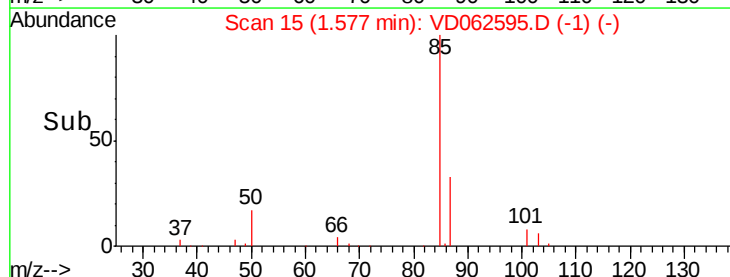
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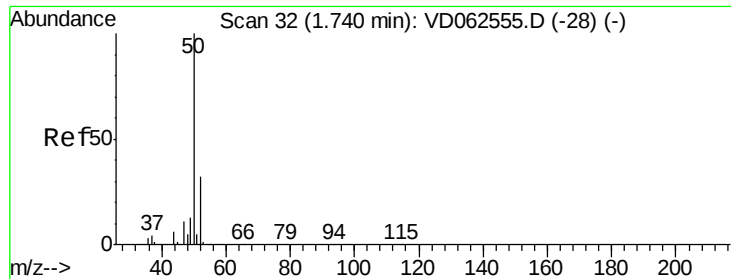
100000

50000

0

Time-->





#3

Chloromethane

Concen: 41.313 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Instrument :

MSVOA_D

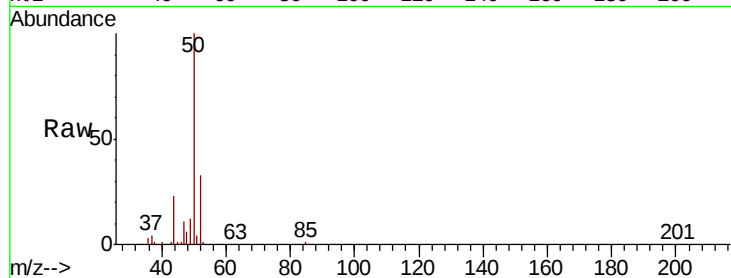
ClientSampleId :

Tot Ion: 50 Resp: 360710

Ion Ratio Lower Upper

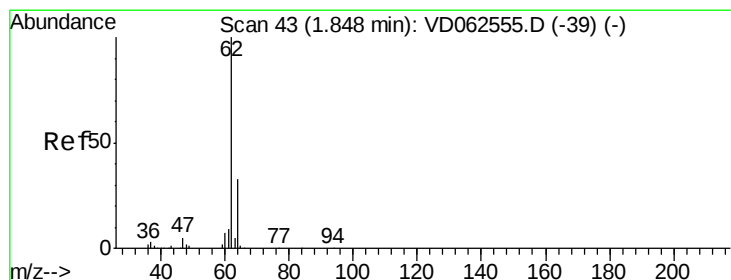
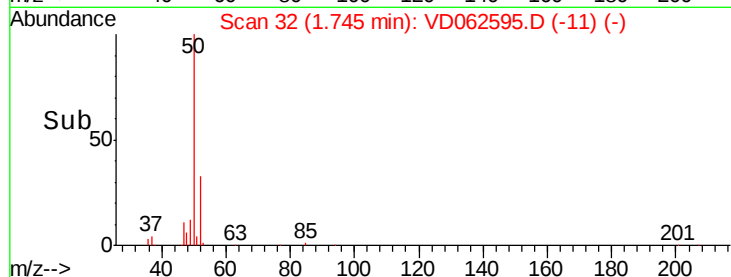
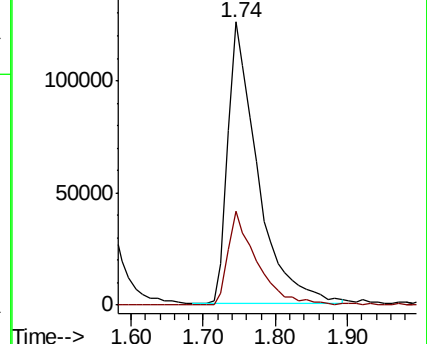
50 100

52 33.3 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 51.762 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062595.D

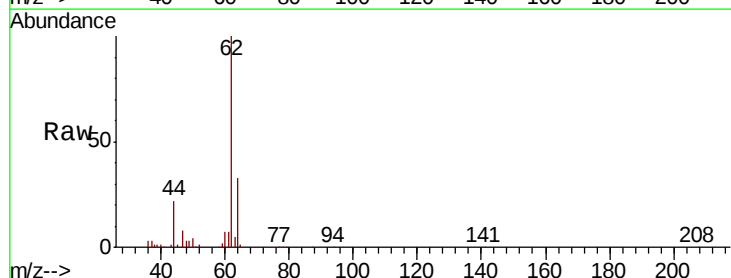
Acq: 3 Jun 2019 19:34

Tgt Ion: 62 Resp: 354820

Ion Ratio Lower Upper

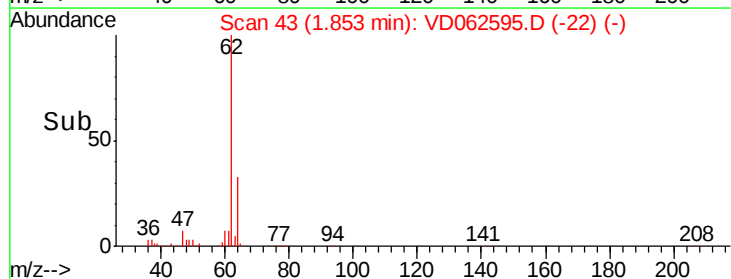
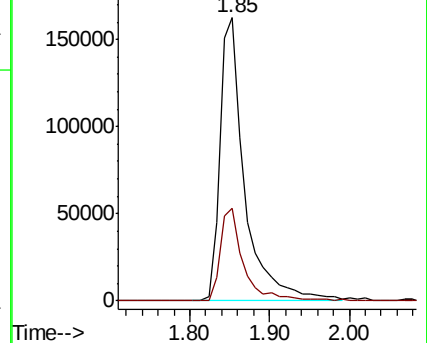
62 100

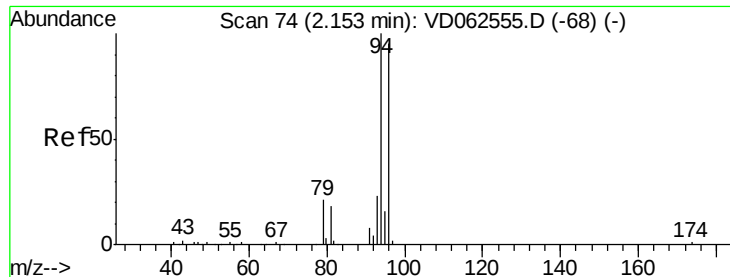
64 32.6 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 81.604 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.00 min

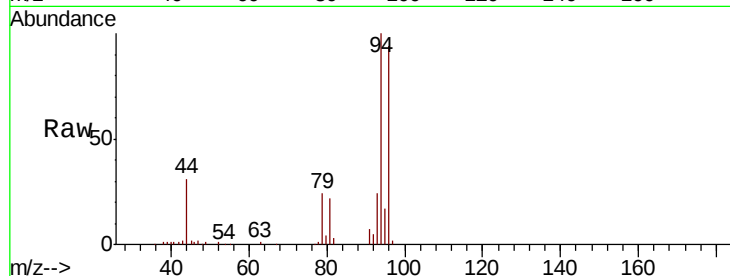
Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 94 Resp: 181653

Ion	Ratio	Lower	Upper
94	100		
96	94.2	76.2	114.4
93	23.8	18.4	27.6

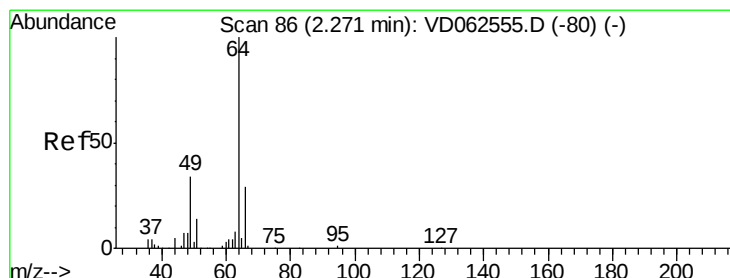
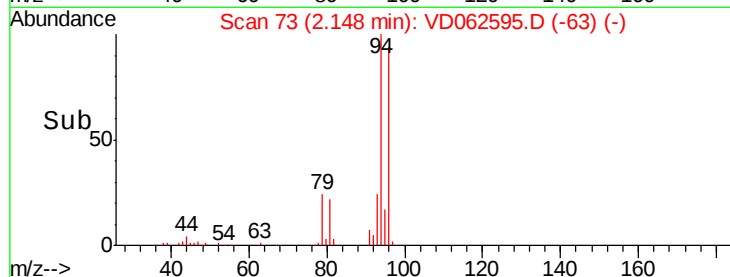
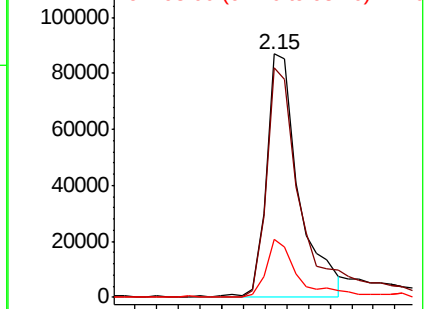


Abundance

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: 56.931 ug/l

RT: 2.27 min Scan# 85

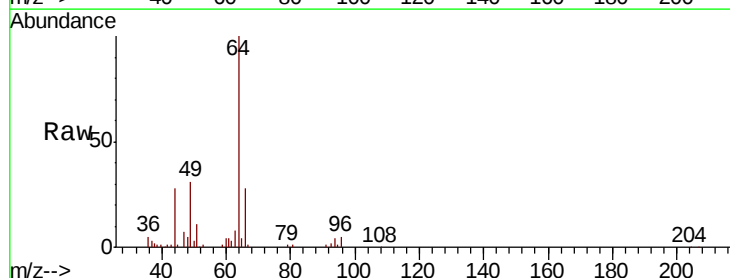
Delta R.T. -0.00 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Tgt Ion: 64 Resp: 183002

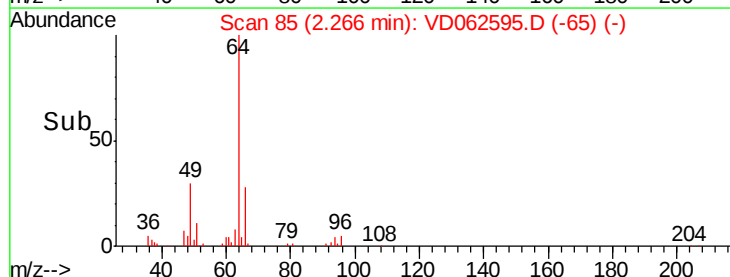
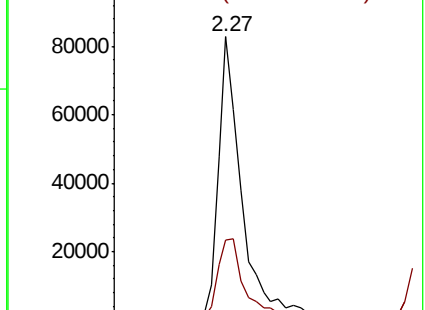
Ion	Ratio	Lower	Upper
64	100		
66	28.0	23.4	35.2

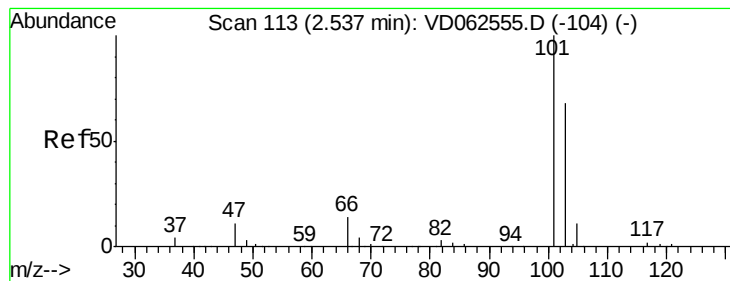


Abundance

Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



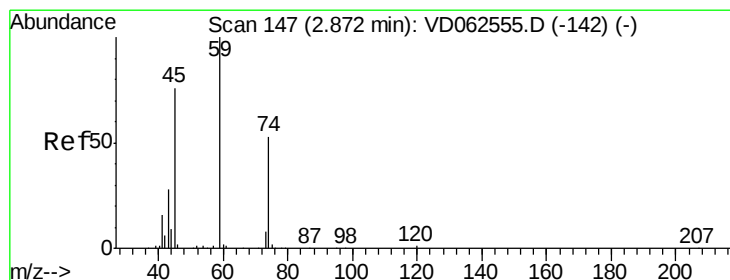
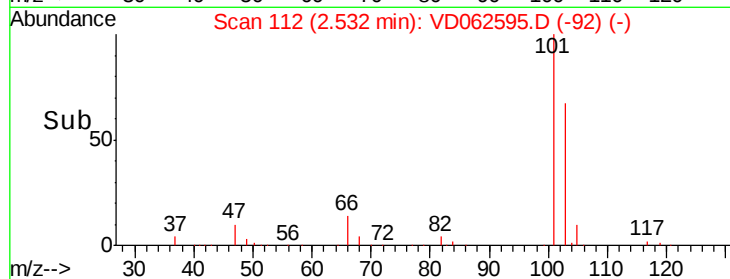
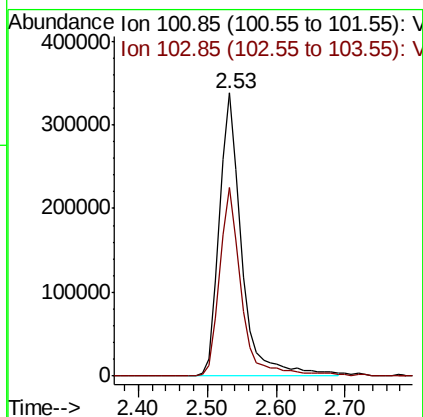
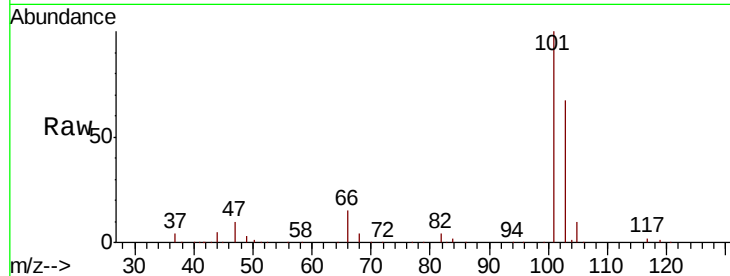


#7

Trichlorofluoromethane
 Concen: 52.670 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.00 min
 Lab File: VD062595.D
 Acq: 3 Jun 2019 19:34

Instrument :
 MSVOA_D
 ClientSampleId :

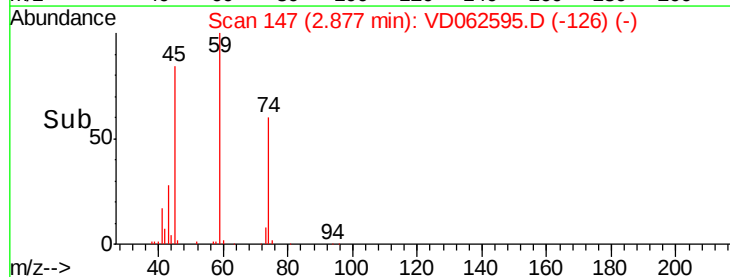
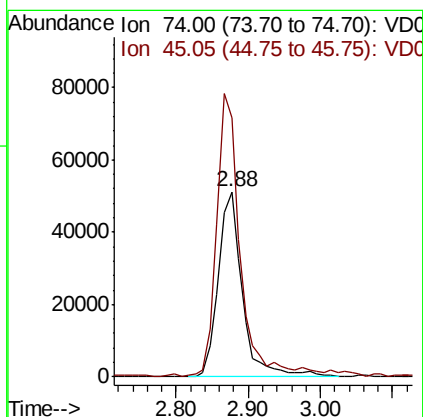
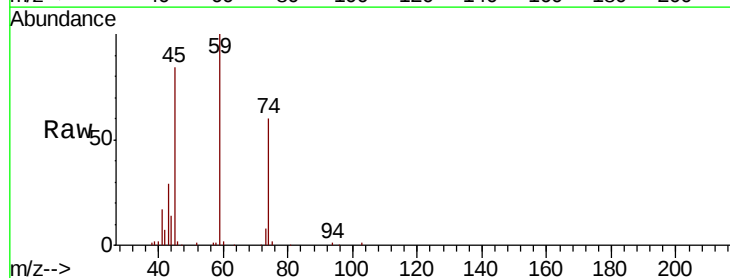
Tot Ion:101 Resp: 762984
 Ion Ratio Lower Upper
 101 100
 103 66.6 54.3 81.5

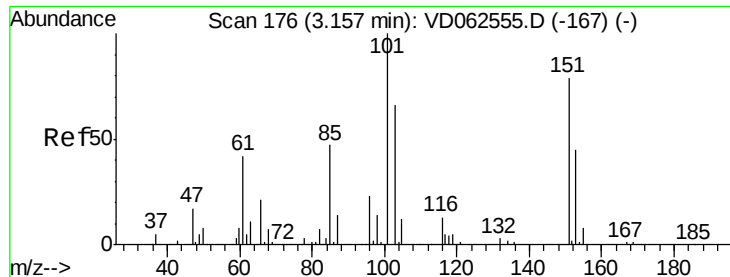


#8

Diethyl Ether
 Concen: 63.785 ug/l
 RT: 2.88 min Scan# 147
 Delta R.T. 0.01 min
 Lab File: VD062595.D
 Acq: 3 Jun 2019 19:34

Tgt Ion: 74 Resp: 118531
 Ion Ratio Lower Upper
 74 100
 45 140.0 71.9 215.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.649 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

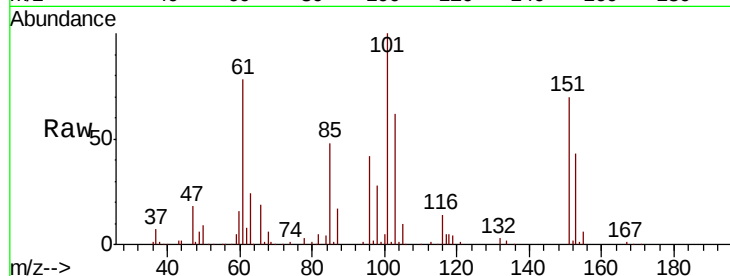
Tot Ion:101 Resp: 467488

Ion Ratio Lower Upper

101 100

85 47.9 37.6 56.4

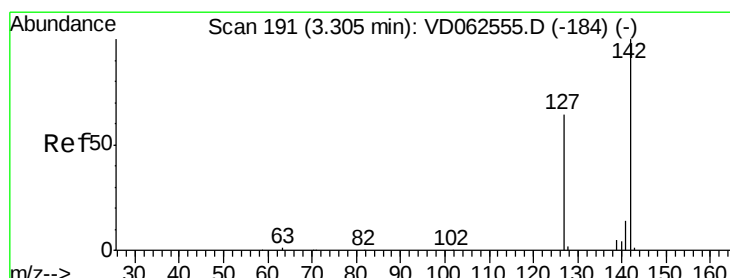
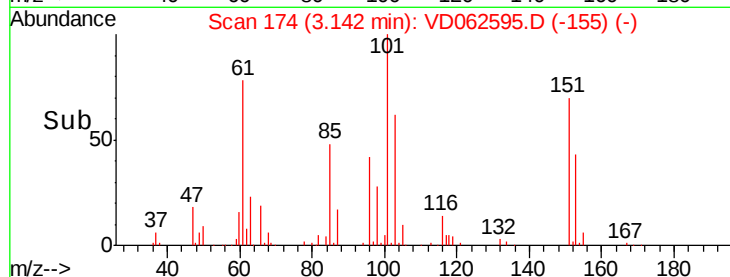
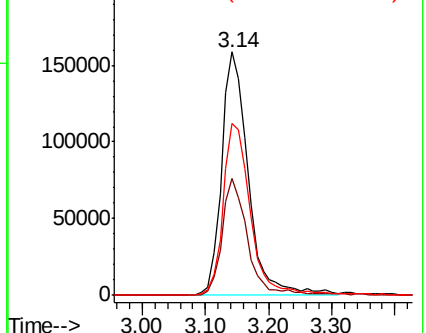
151 70.4 63.0 94.4



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: 53.955 ug/l

RT: 3.30 min Scan# 190

Delta R.T. -0.00 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

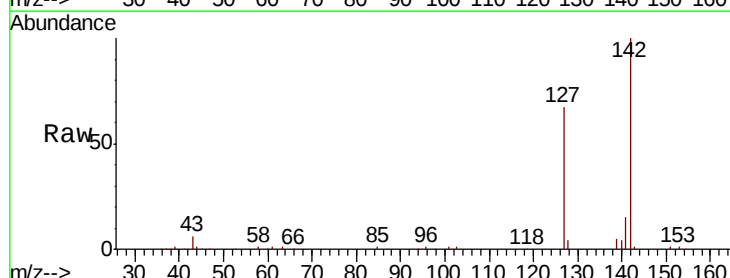
Tgt Ion:142 Resp: 523713

Ion Ratio Lower Upper

142 100

127 67.2 51.2 76.8

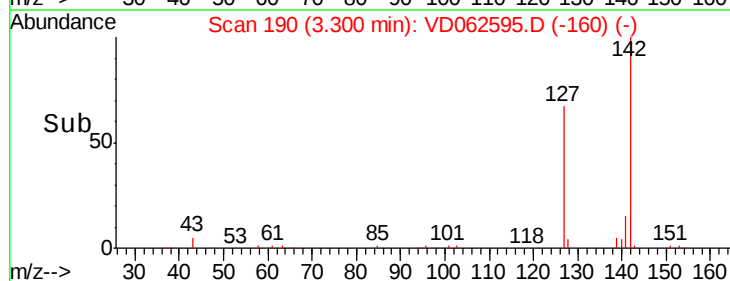
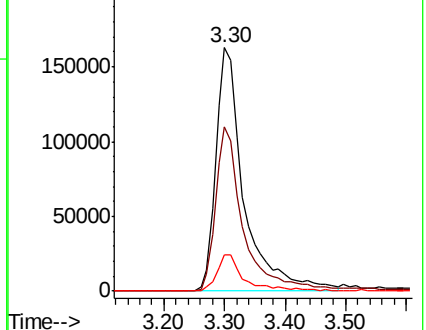
141 14.8 11.0 16.4

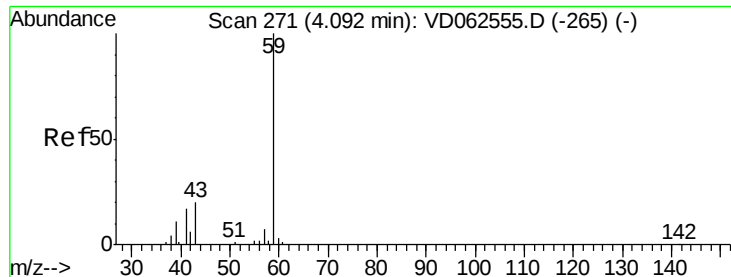


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



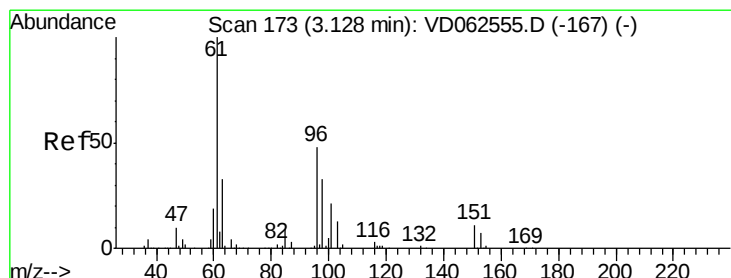
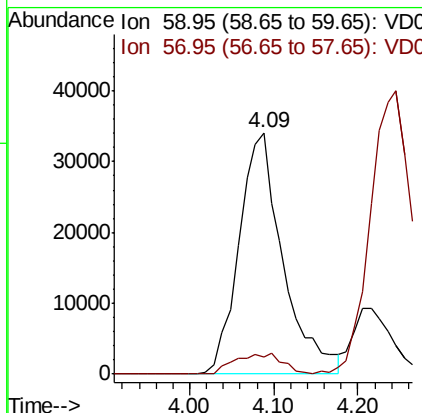
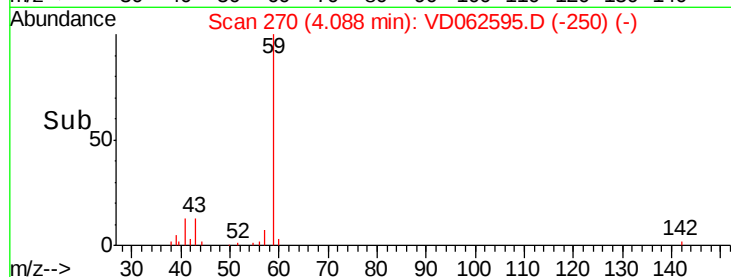
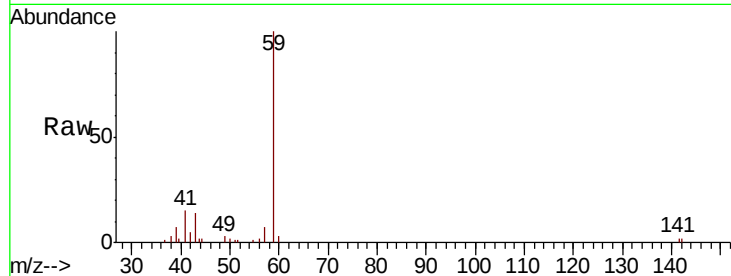


#11

Tert butyl alcohol
Concen: 320.672 ug/l
RT: 4.09 min Scan# 270
Delta R.T. -0.00 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Instrument :
MSVOA_D
ClientSampled :

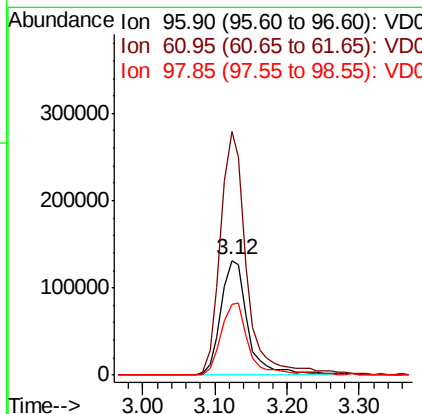
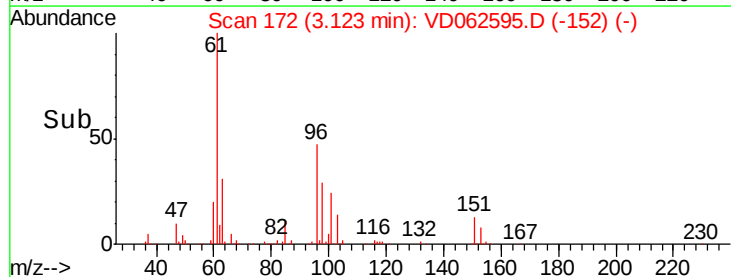
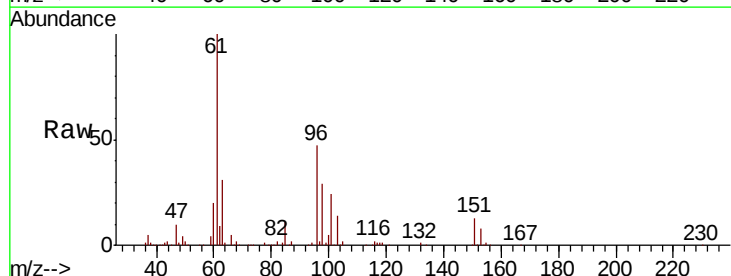
Tot Ion: 59 Resp: 124083
Ion Ratio Lower Upper
59 100
57 7.2 5.4 8.0

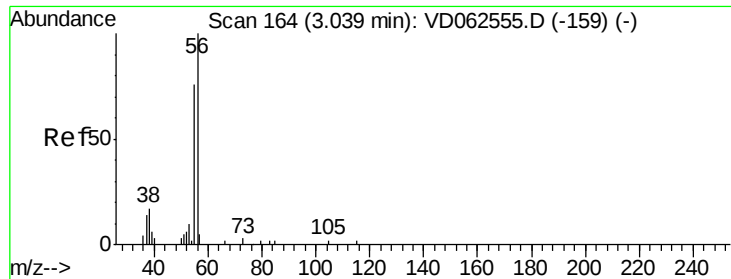


#12

1,1-Dichloroethene
Concen: 56.079 ug/l
RT: 3.12 min Scan# 172
Delta R.T. -0.00 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Tgt Ion: 96 Resp: 339367
Ion Ratio Lower Upper
96 100
61 212.6 166.6 250.0
98 62.3 54.4 81.6

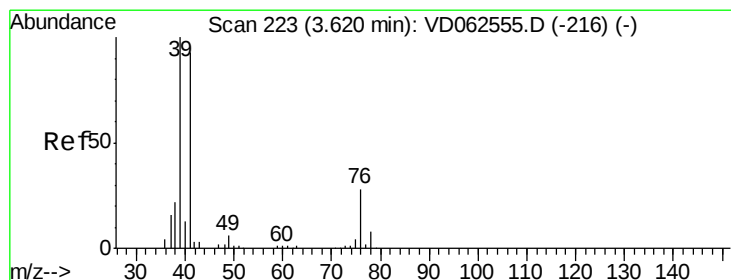
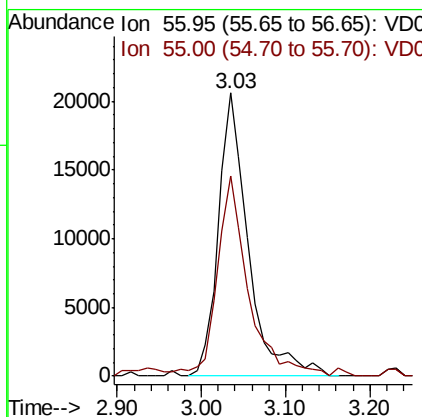
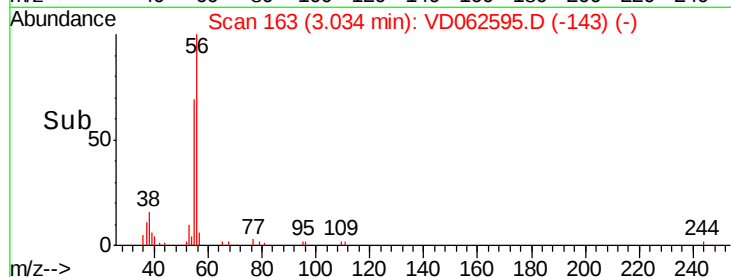
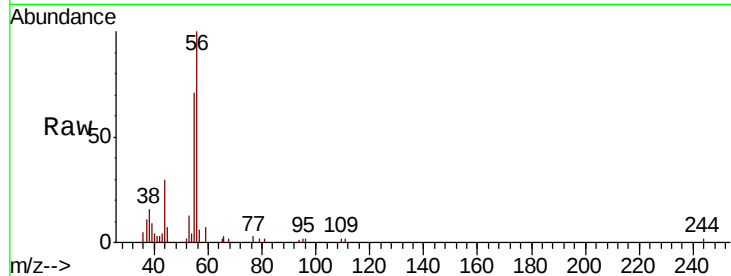




#13
 Acrolein
 Concen: 302.366 ug/l
 RT: 3.03 min Scan# 163
 Delta R.T. -0.00 min
 Lab File: VD062595.D
 Acq: 3 Jun 2019 19:34

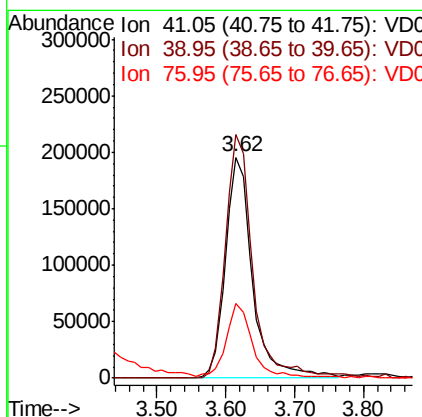
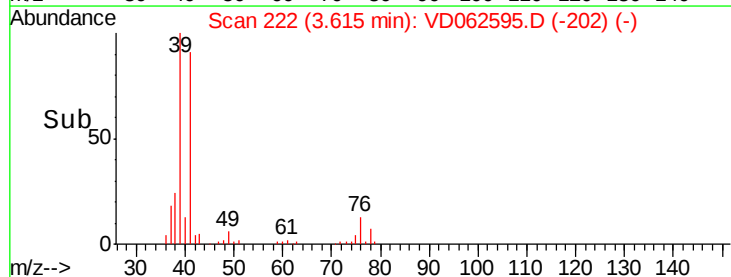
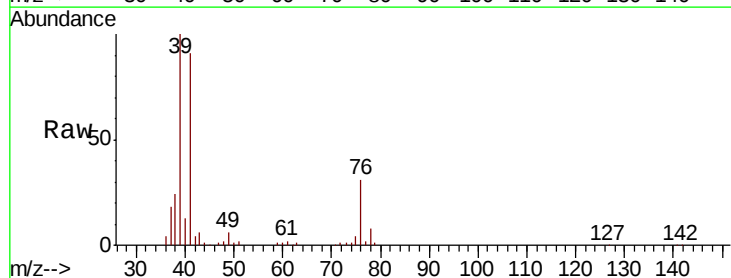
Instrument :
 MSVOA_D
 ClientSampleId :

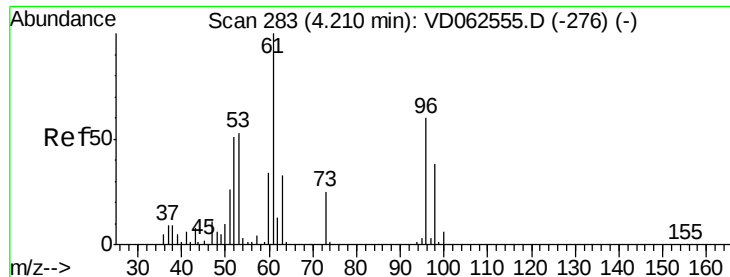
Tot Ion: 56 Resp: 50979
 Ion Ratio Lower Upper
 56 100
 55 70.6 62.6 93.8



#14
 Allyl chloride
 Concen: 56.453 ug/l
 RT: 3.62 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VD062595.D
 Acq: 3 Jun 2019 19:34

Tgt Ion: 41 Resp: 533651
 Ion Ratio Lower Upper
 41 100
 39 110.2 86.3 129.5
 76 33.7 25.5 38.3

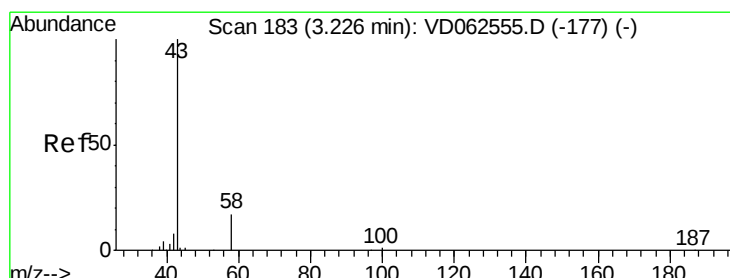
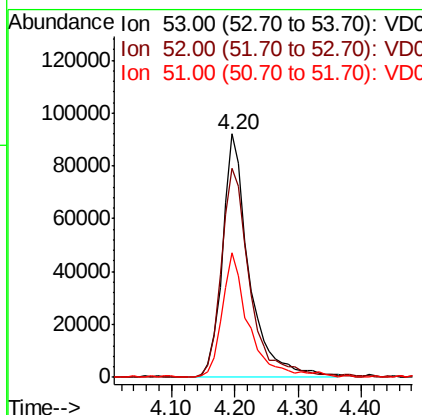
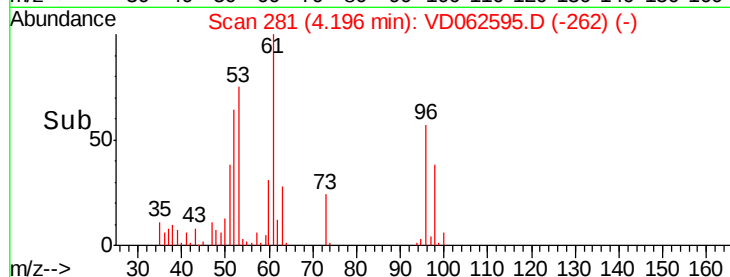
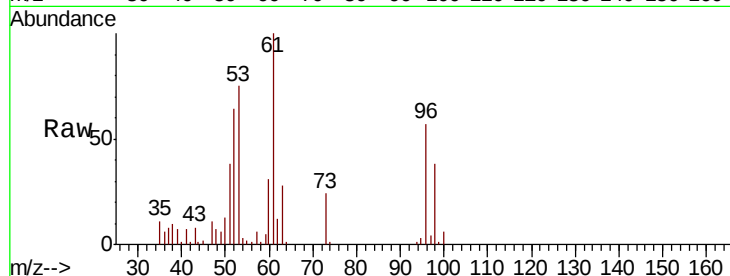




#15
 Acrylonitrile
 Concen: 292.100 ug/l
 RT: 4.20 min Scan# 281
 Delta R.T. -0.01 min
 Lab File: VD062595.D
 Acq: 3 Jun 2019 19:34

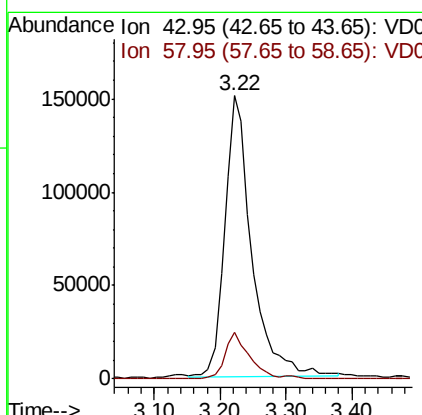
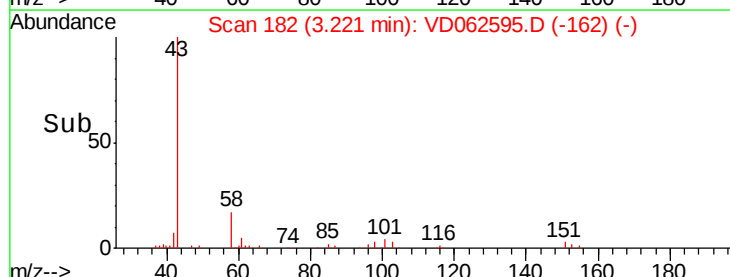
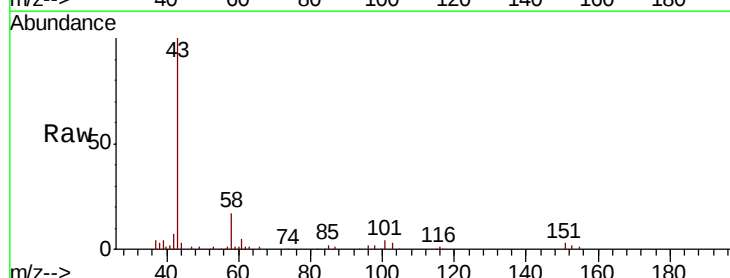
Instrument :
 MSVOA_D
 ClientSampleId :

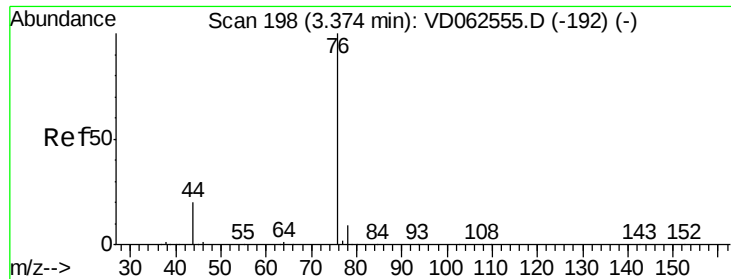
Tot Ion: 53 Resp: 270196
 Ion Ratio Lower Upper
 53 100
 52 85.7 76.2 114.2
 51 51.4 40.2 60.4



#16
 Acetone
 Concen: 239.501 ug/l
 RT: 3.22 min Scan# 182
 Delta R.T. -0.00 min
 Lab File: VD062595.D
 Acq: 3 Jun 2019 19:34

Tgt Ion: 43 Resp: 426907
 Ion Ratio Lower Upper
 43 100
 58 16.6 13.8 20.8

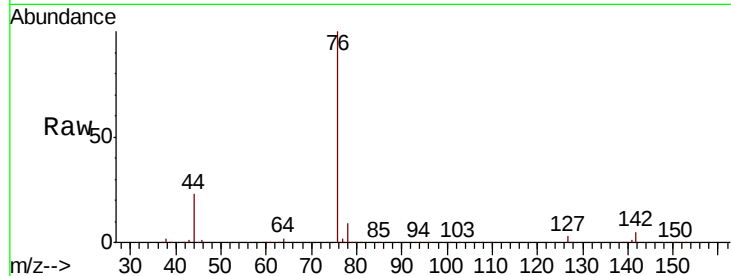




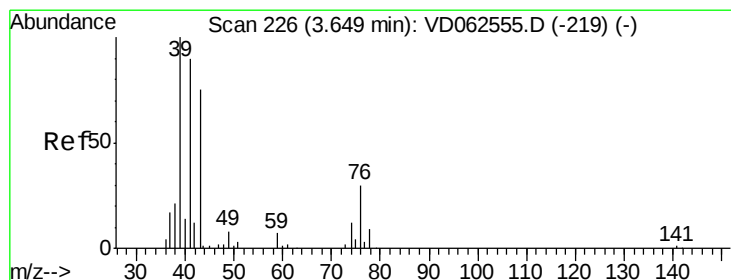
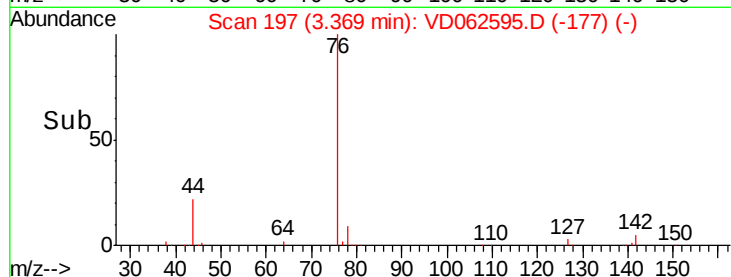
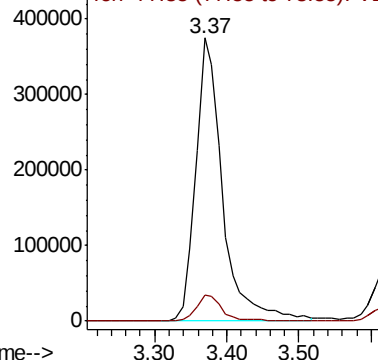
#17
Carbon Disulfide
Concen: 49.174 ug/l
RT: 3.37 min Scan# 197
Delta R.T. -0.00 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 967314
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.2

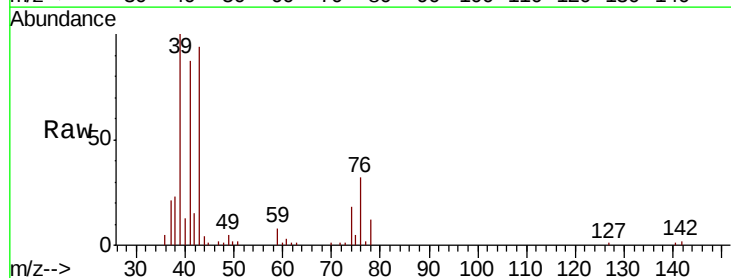


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

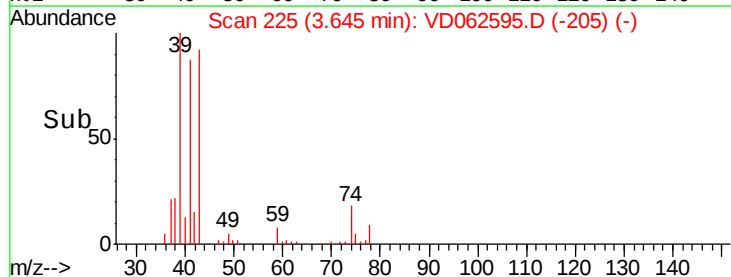
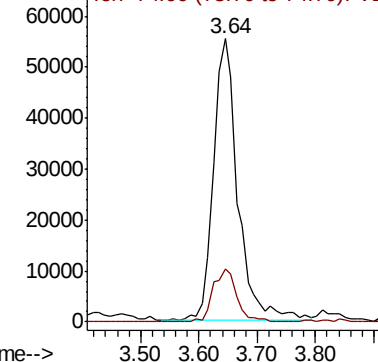


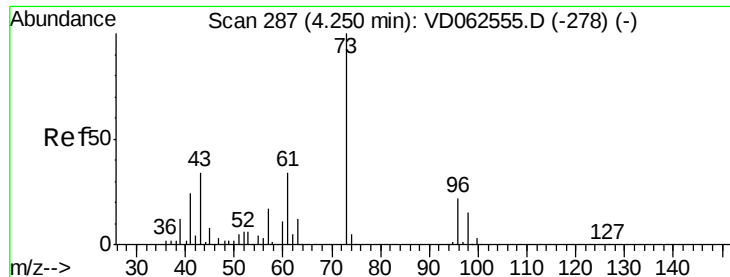
#18
Methyl Acetate
Concen: 54.801 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.00 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Tgt Ion: 43 Resp: 159433
Ion Ratio Lower Upper
43 100
74 18.9 12.5 18.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

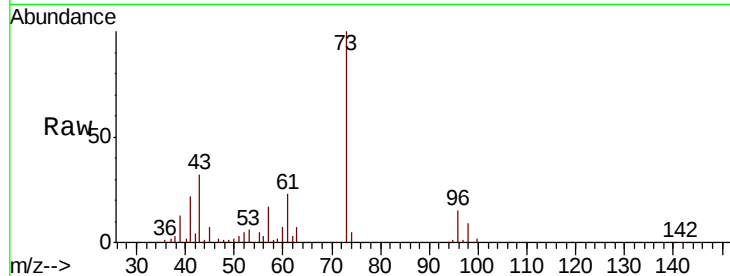




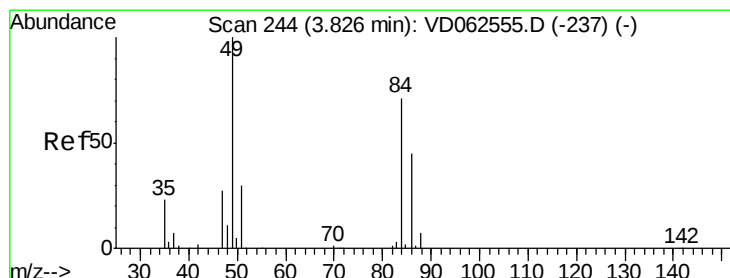
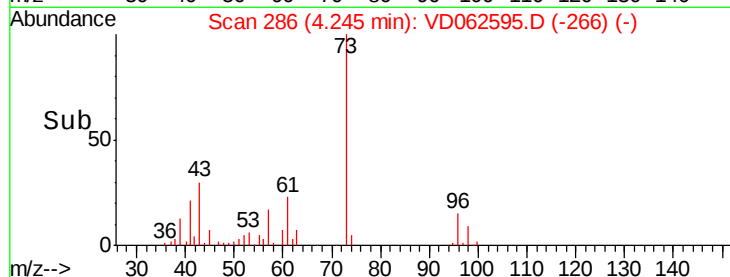
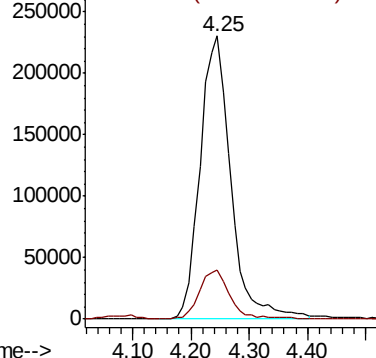
#19
Methvl tert-butvl Ether
Concen: 57.642 ug/l
RT: 4.25 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 73 Resp: 845006
Ion Ratio Lower Upper
73 100
57 17.3 13.8 20.8

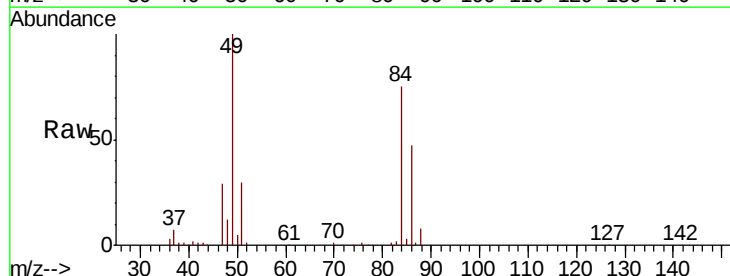


Abundance Ion 73.00 (72.70 to 73.70): VDC
Ion 57.05 (56.75 to 57.75): VDC

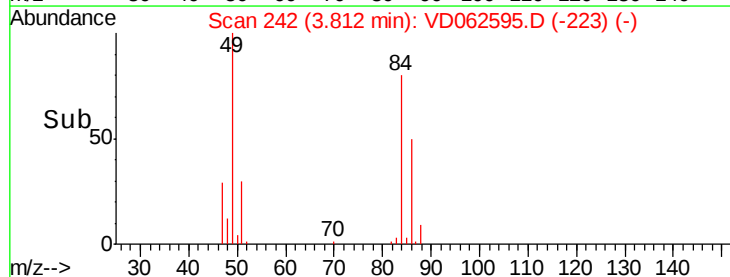
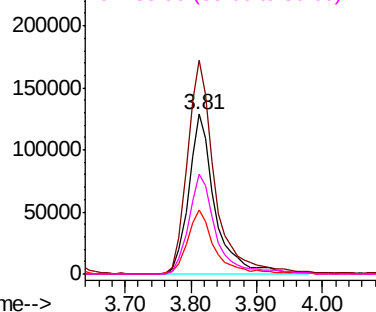


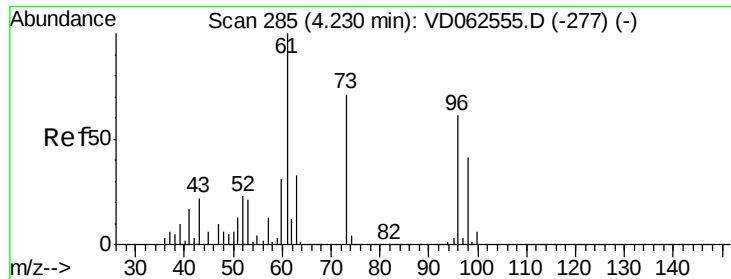
#20
Methylene Chloride
Concen: 54.268 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Tgt Ion: 84 Resp: 358077
Ion Ratio Lower Upper
84 100
49 133.9 112.3 168.5
51 40.2 33.6 50.4
86 62.9 50.4 75.6



Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 54.060 ug/l

RT: 4.22 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

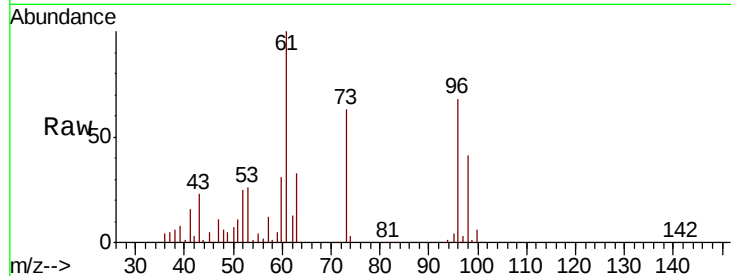
Tot Ion: 96 Resp: 371253

Ion Ratio Lower Upper

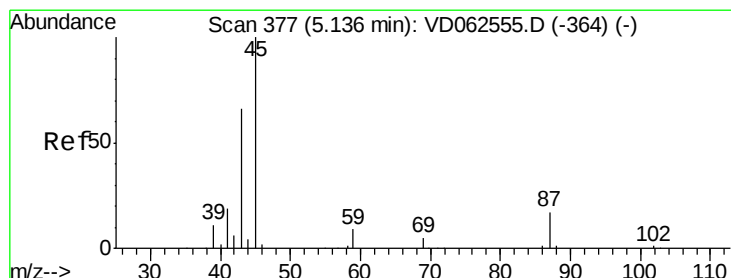
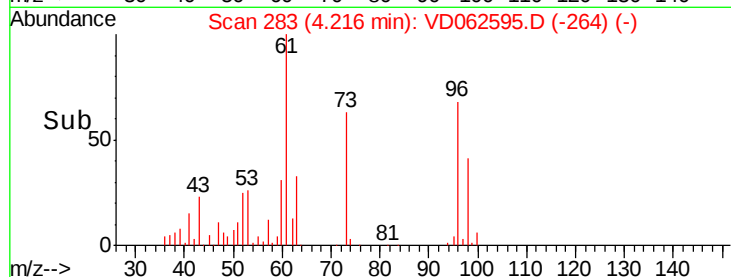
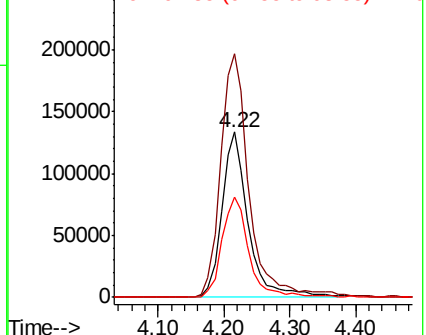
96 100

61 147.5 131.1 196.7

98 60.4 54.2 81.4



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: 57.093 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Tgt Ion: 45 Resp: 1102553

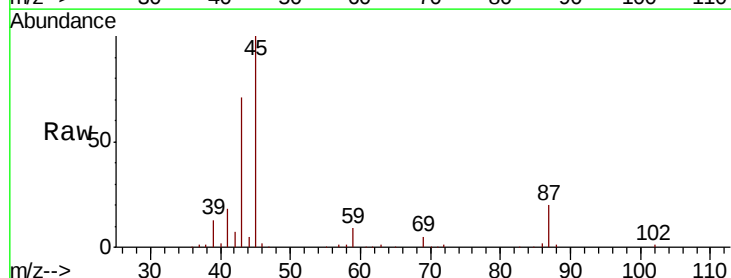
Ion Ratio Lower Upper

45 100

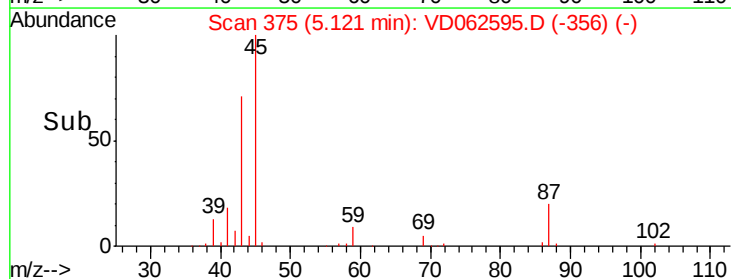
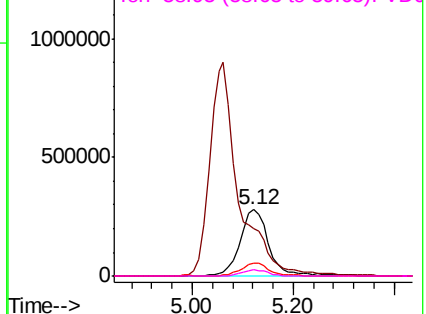
43 71.4 53.6 80.4

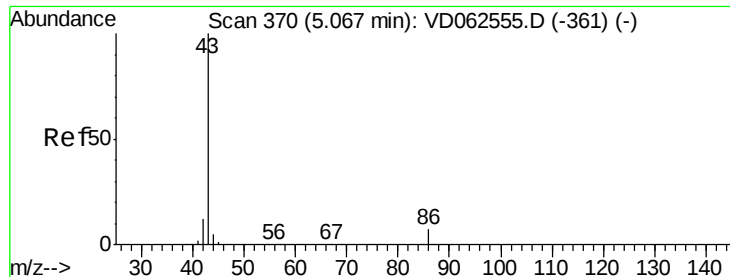
87 19.9 14.2 21.4

59 8.9 7.3 10.9



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: 305.532 ug/l

RT: 5.06 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Instrument :

MSVOA_D

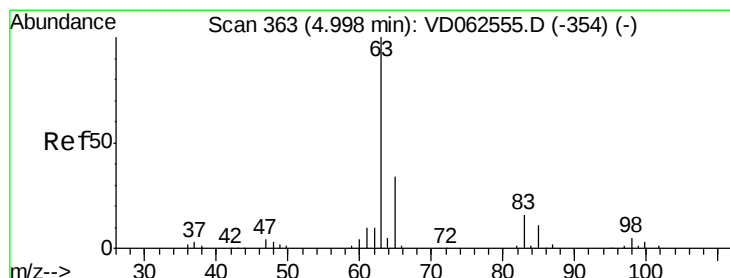
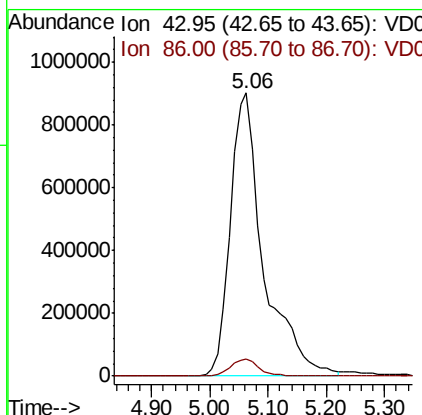
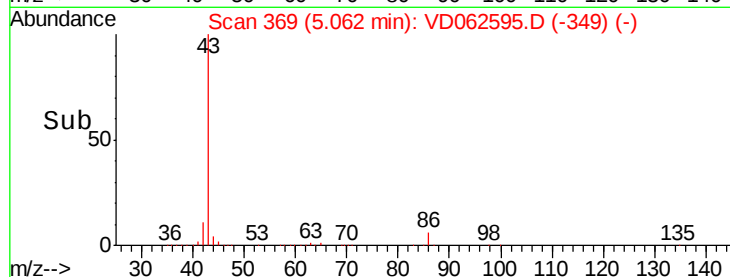
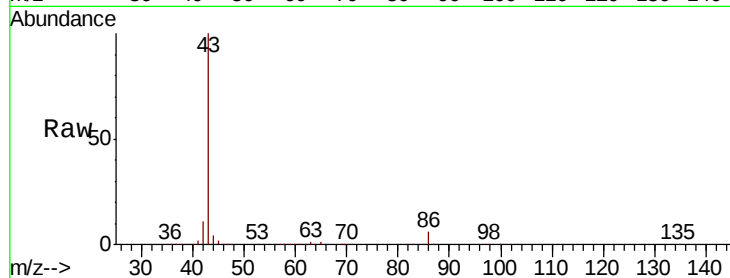
ClientSampleId :

Tot Ion: 43 Resp: 3578161

Ion Ratio Lower Upper

43 100

86 6.0 5.5 8.3



#24

1,1-Dichloroethane

Concen: 55.602 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

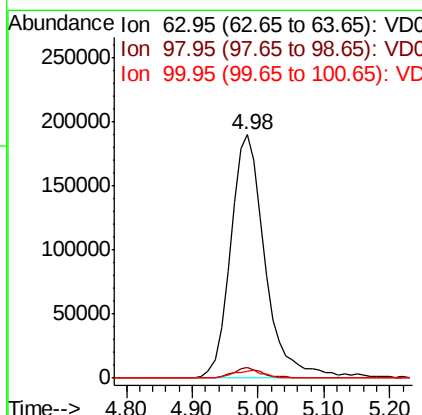
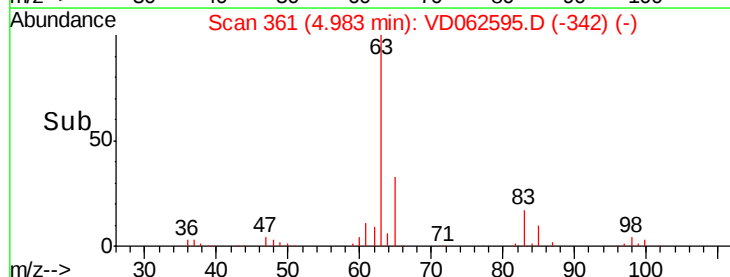
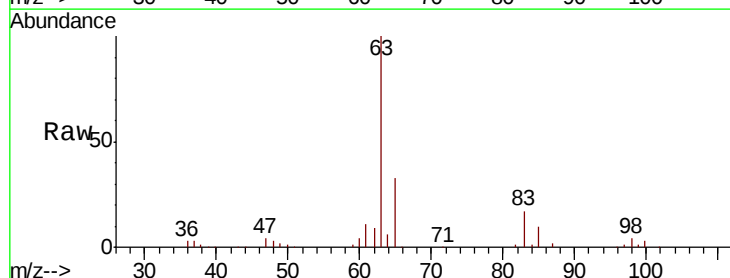
Tgt Ion: 63 Resp: 692925

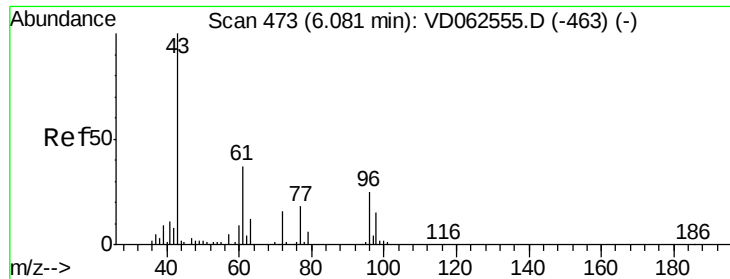
Ion Ratio Lower Upper

63 100

98 4.2 2.5 7.5

100 2.9 1.6 4.7





#25

2-Butanone

Concen: 286.345 ug/l

RT: 6.07 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

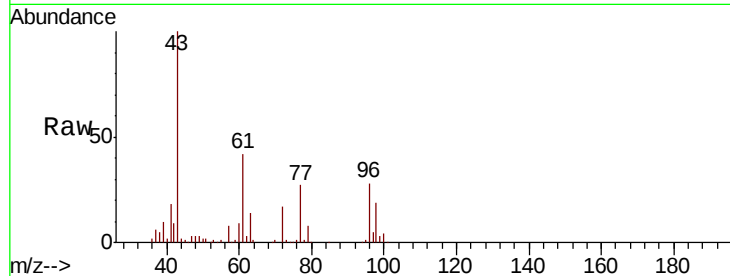
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 480697

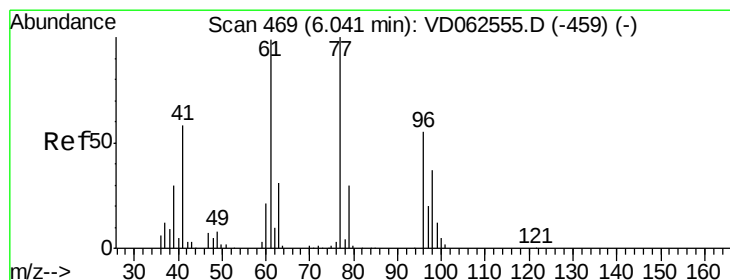
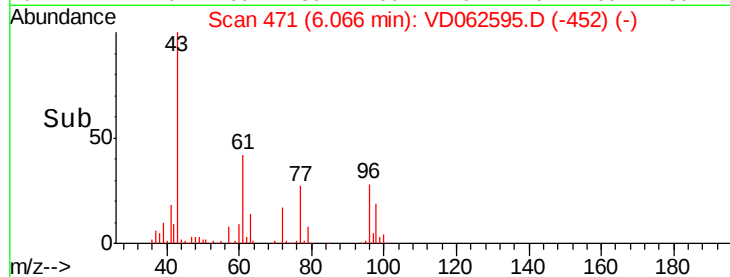
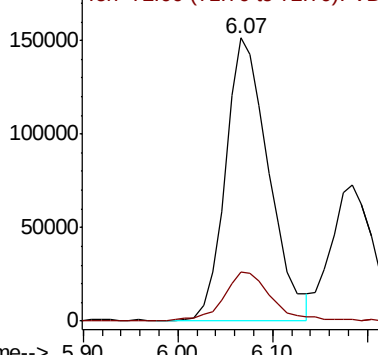
Ion Ratio Lower Upper

43 100

72 17.2 12.7 19.1



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 55.808 ug/l

RT: 6.02 min Scan# 466

Delta R.T. -0.02 min

Lab File: VD062595.D

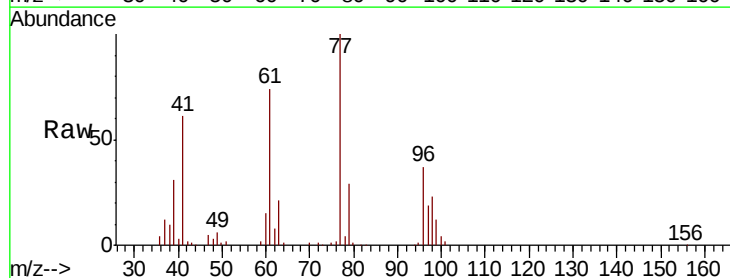
Acq: 3 Jun 2019 19:34

Tgt Ion: 77 Resp: 771563

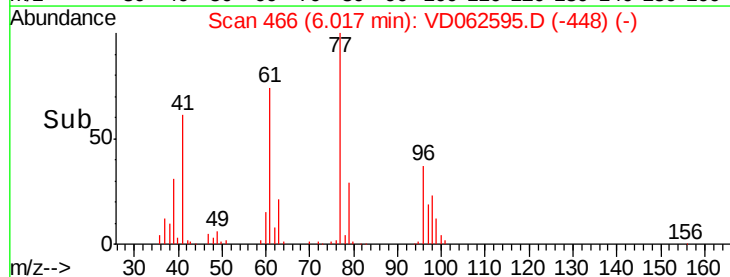
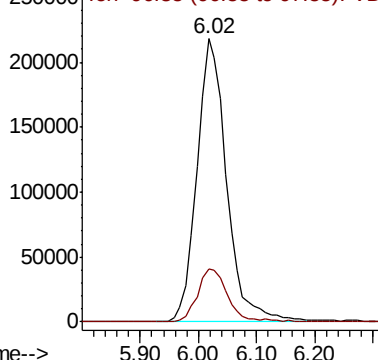
Ion Ratio Lower Upper

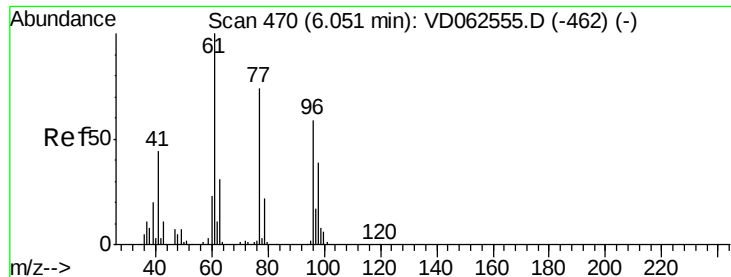
77 100

97 18.9 9.8 29.3



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



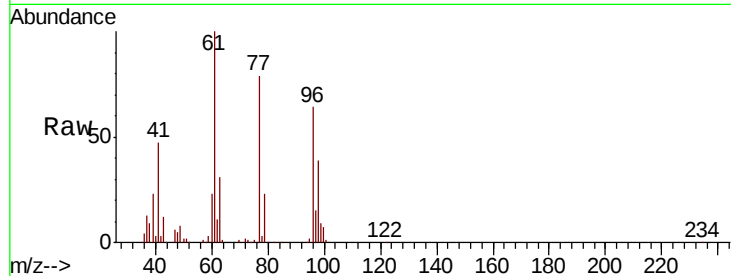


#27

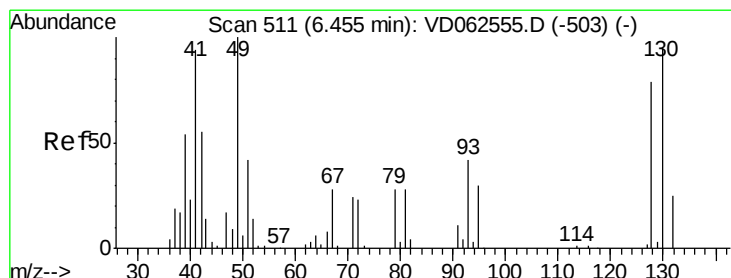
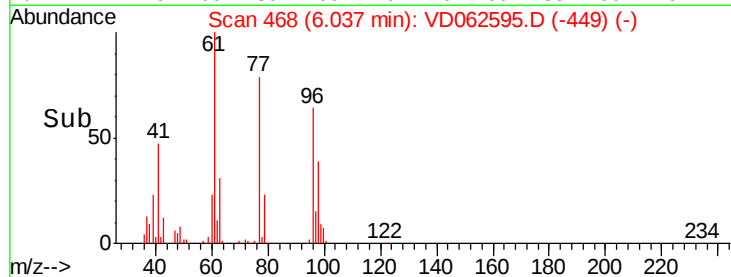
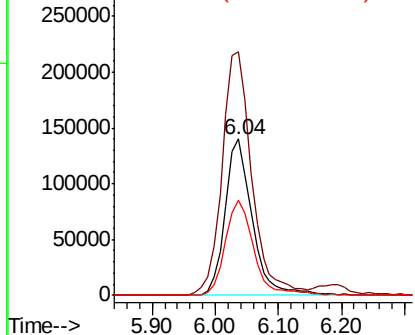
cis-1,2-Dichloroethene
 Concen: 59.126 ug/l
 RT: 6.04 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: VD062595.D
 Acq: 3 Jun 2019 19:34

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 96 Resp: 417383
 Ion Ratio Lower Upper
 96 100
 61 155.6 0.0 342.4
 98 61.2 0.0 134.6



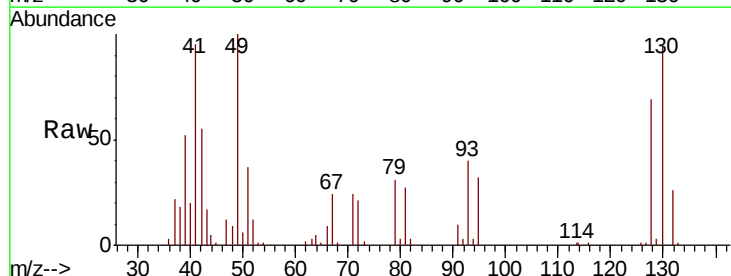
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



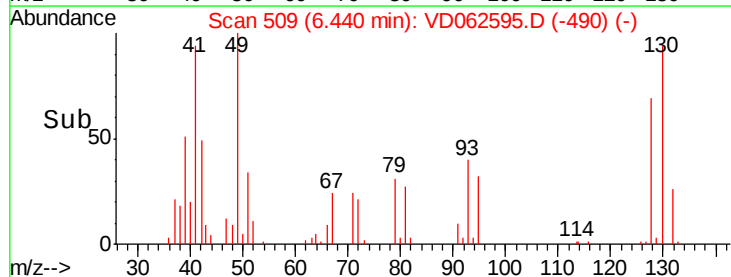
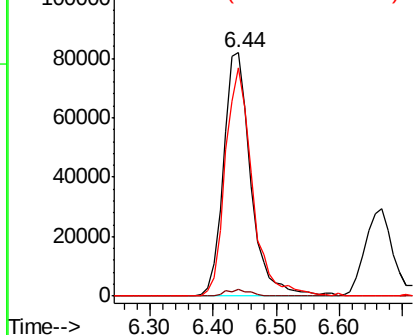
#28

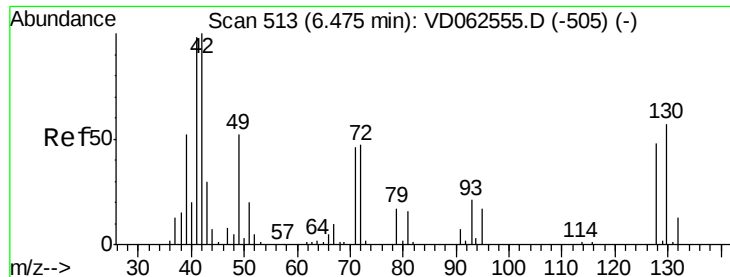
Bromochloromethane
 Concen: 57.122 ug/l
 RT: 6.44 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VD062595.D
 Acq: 3 Jun 2019 19:34

Tgt Ion: 49 Resp: 245984
 Ion Ratio Lower Upper
 49 100
 129 2.7 0.0 5.6
 130 94.0 75.8 113.8



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





#29

Tetrahydrofuran

Concen: 312.471 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.01 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

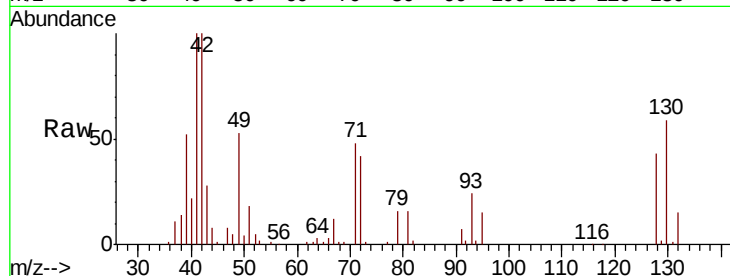
Tot Ion: 42 Resp: 234974

Ion Ratio Lower Upper

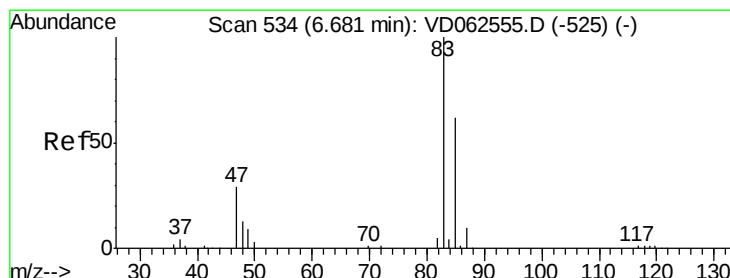
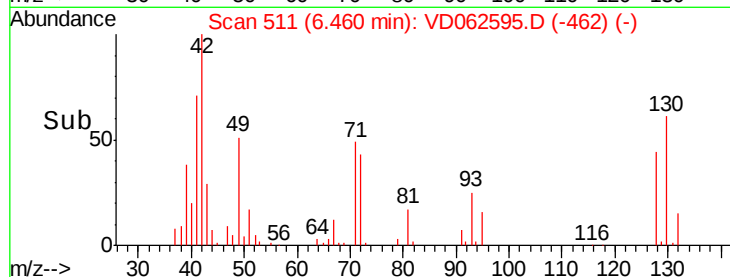
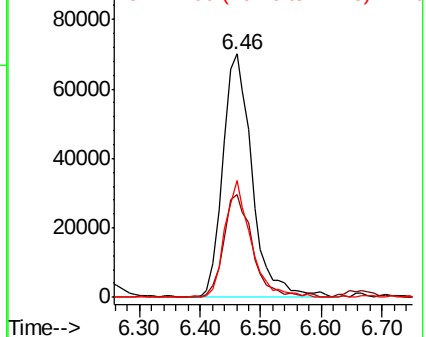
42 100

72 40.9 34.5 51.7

71 42.7 33.0 49.6



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: 56.765 ug/l

RT: 6.67 min Scan# 532

Delta R.T. -0.01 min

Lab File: VD062595.D

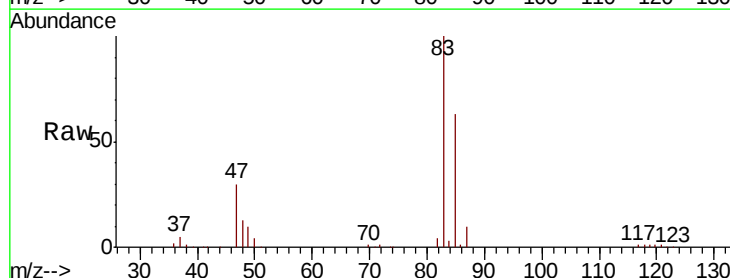
Acq: 3 Jun 2019 19:34

Tgt Ion: 83 Resp: 852448

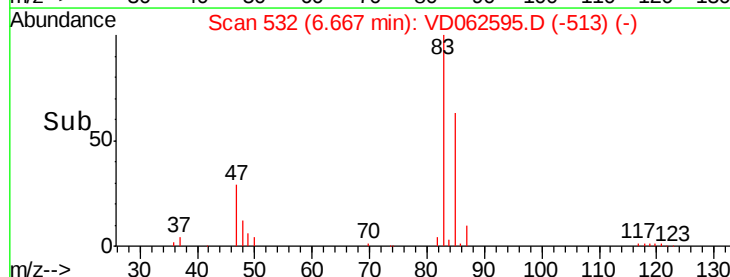
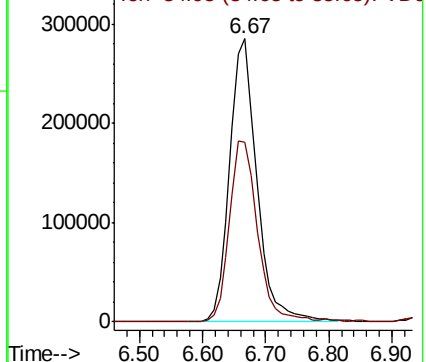
Ion Ratio Lower Upper

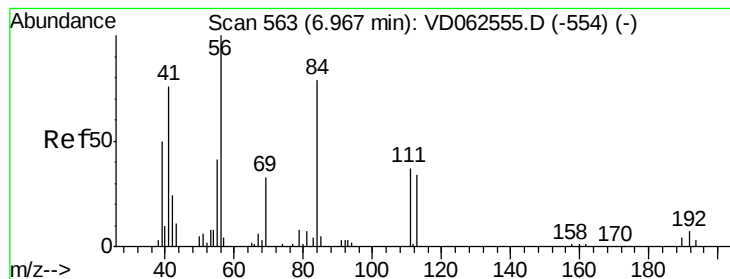
83 100

85 63.4 49.4 74.0



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





#31

Cyclohexane

Concen: 53.670 ug/l

RT: 6.95 min Scan# 561

Delta R.T. -0.01 min

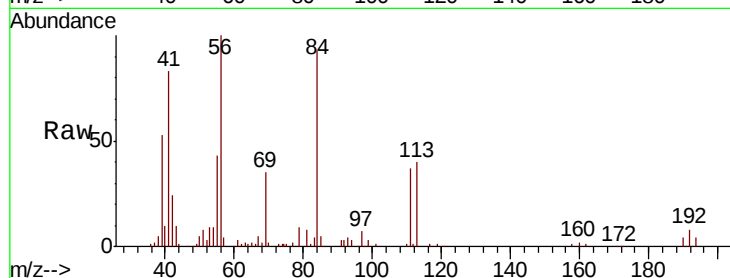
Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 452210

Ion	Ratio	Lower	Upper
56	100		
69	34.6	26.2	39.2
84	92.8	65.2	97.8

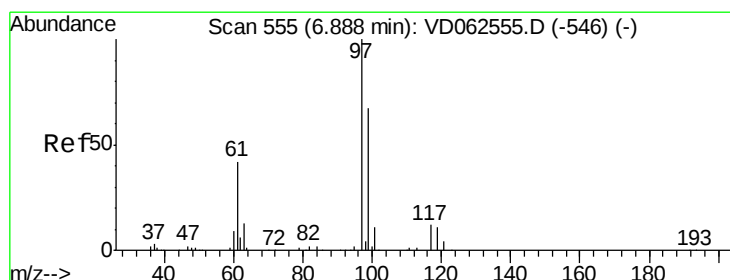
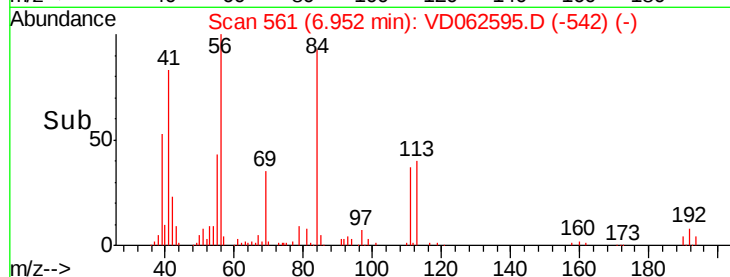
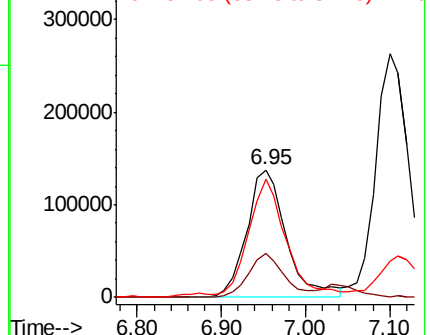


Abundance

Ion 55.95 (55.65 to 56.65): VD062595.D (-542) (-)

Ion 69.00 (68.70 to 69.70): VD062595.D (-542) (-)

Ion 84.05 (83.75 to 84.75): VD062595.D (-542) (-)



#32

1,1,1-Trichloroethane

Concen: 54.027 ug/l

RT: 6.86 min Scan# 552

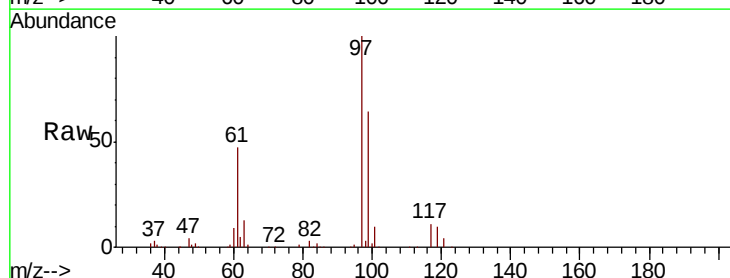
Delta R.T. -0.02 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Tgt Ion: 97 Resp: 844357

Ion	Ratio	Lower	Upper
97	100		
99	63.5	53.6	80.4
61	47.2	33.9	50.9

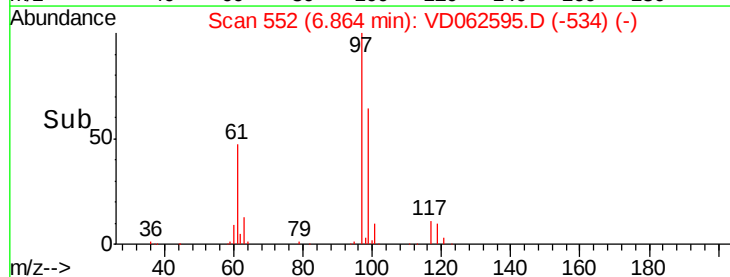
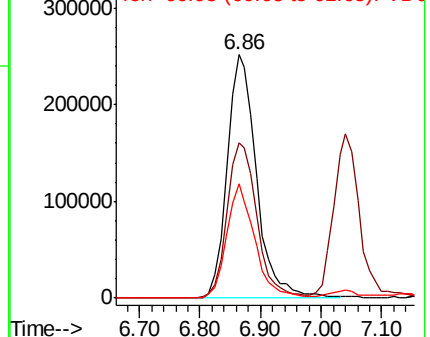


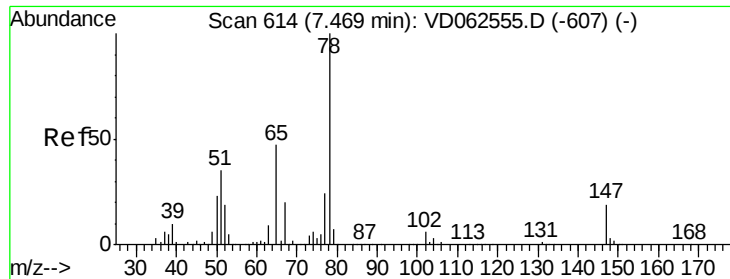
Abundance

Ion 96.85 (96.55 to 97.55): VD062595.D (-534) (-)

Ion 98.85 (98.55 to 99.55): VD062595.D (-534) (-)

Ion 60.95 (60.65 to 61.65): VD062595.D (-534) (-)

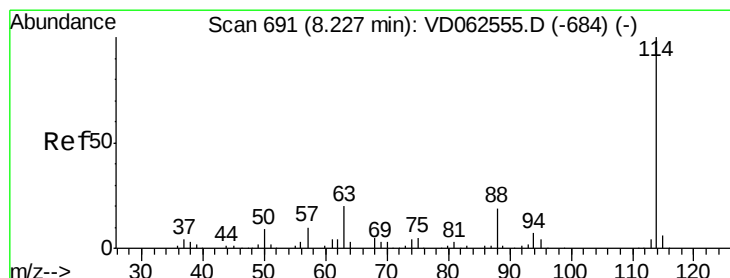
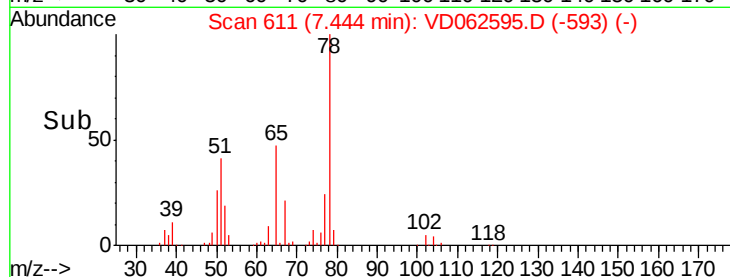
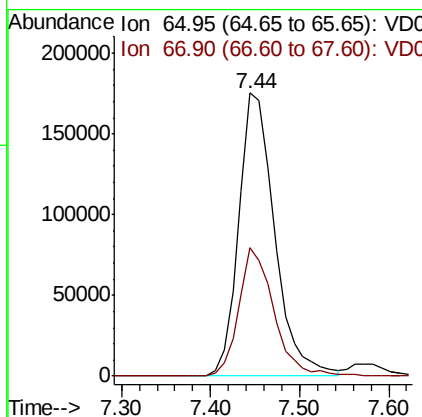
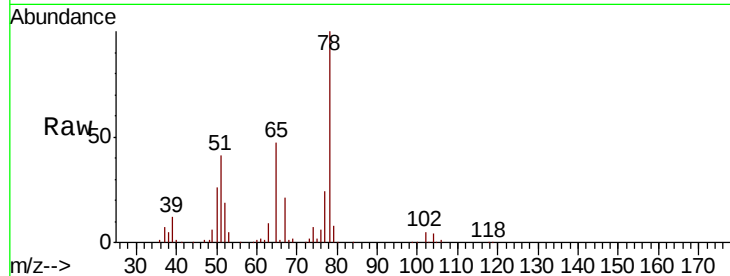




#33
 1,2-Dichloroethane-d4
 Concen: 54.051 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: VD062595.D
 Acq: 3 Jun 2019 19:34

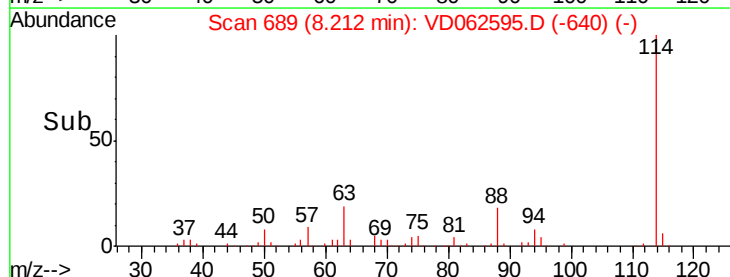
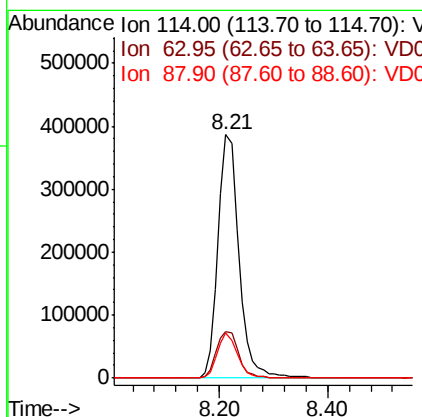
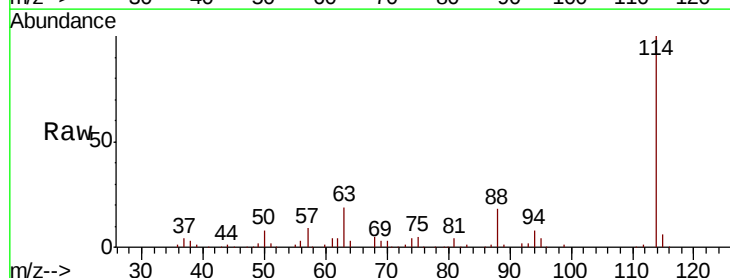
Instrument :
 MSVOA_D
 ClientSampleId :

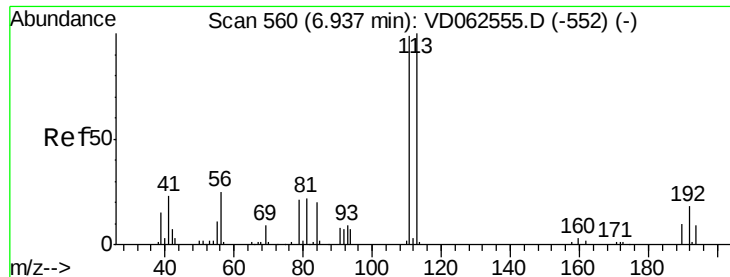
Tot Ion: 65 Resp: 490351
 Ion Ratio Lower Upper
 65 100
 67 45.2 0.0 83.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD062595.D
 Acq: 3 Jun 2019 19:34

Tgt Ion: 114 Resp: 1038478
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.6
 88 18.4 0.0 37.6

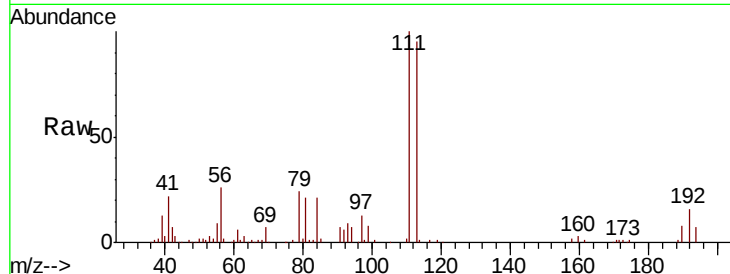




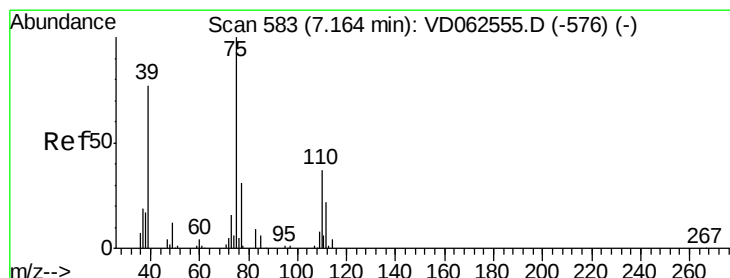
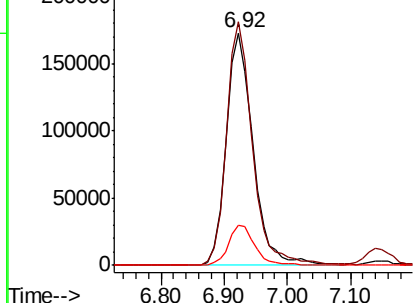
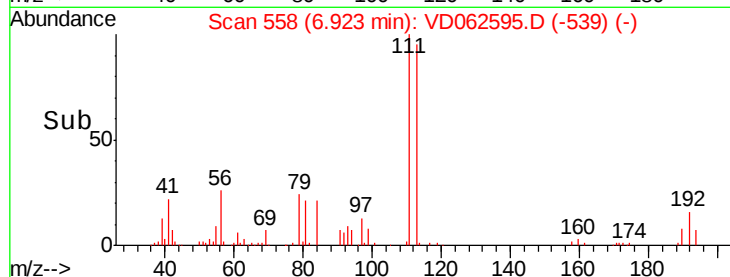
#35
 Dibromofluoromethane
 Concen: 53.643 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD062595.D
 Acq: 3 Jun 2019 19:34

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.7	78.8	118.2
192	17.1	14.6	22.0

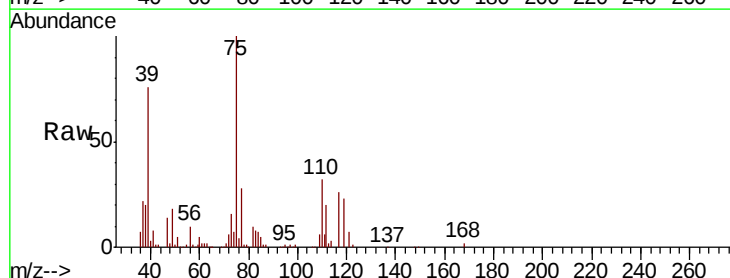


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

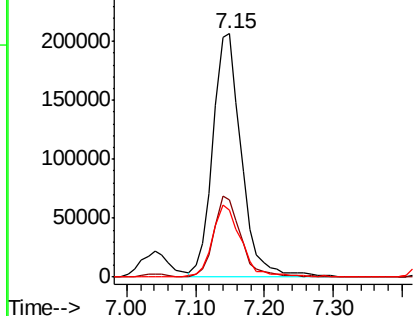
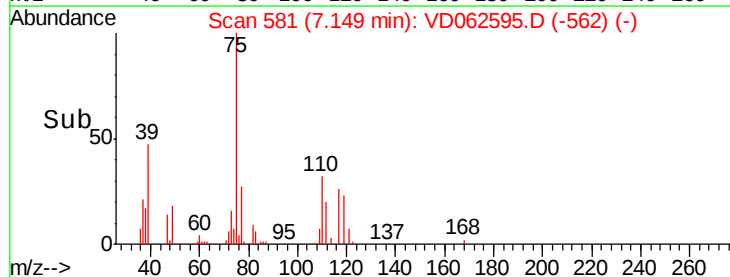


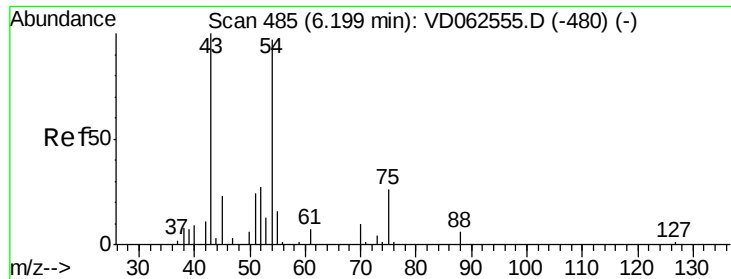
#36
 1,1-Dichloropropene
 Concen: 57.427 ug/l
 RT: 7.15 min Scan# 581
 Delta R.T. -0.01 min
 Lab File: VD062595.D
 Acq: 3 Jun 2019 19:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.9	18.3	54.8
77	27.6	24.4	36.6



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

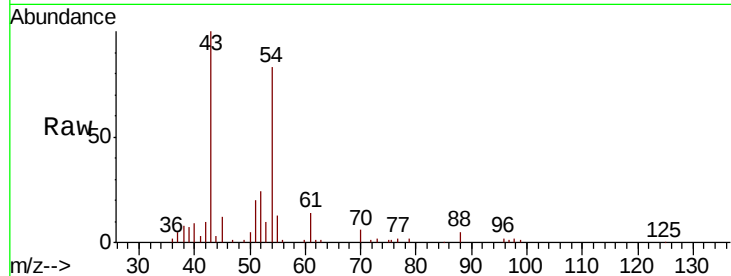




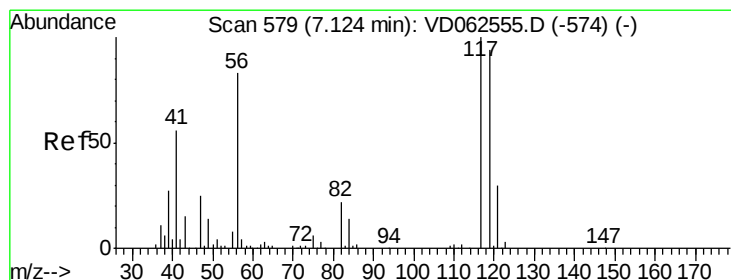
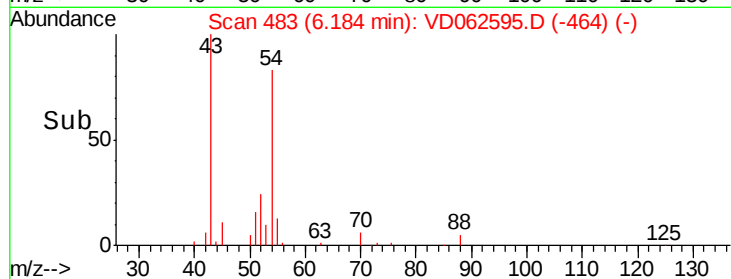
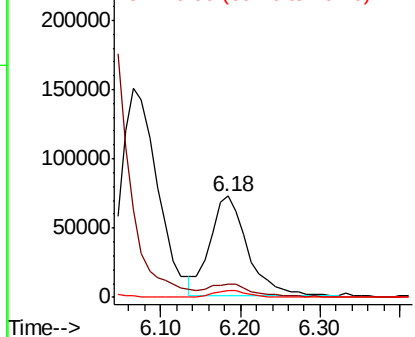
#37
Ethyl Acetate
Concen: 54.308 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 43 Resp: 236691
Ion Ratio Lower Upper
43 100
61 13.6 9.8 14.8
70 6.3 6.5 9.7#

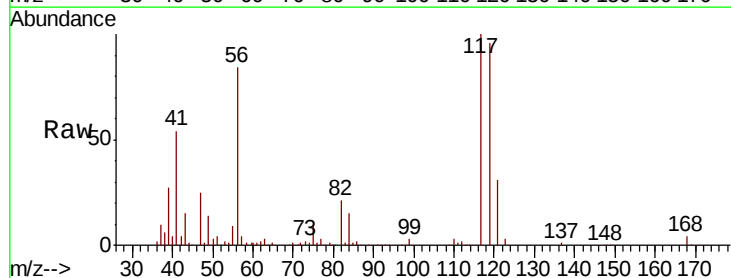


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

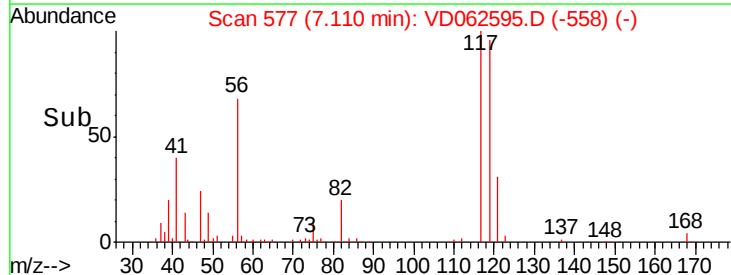
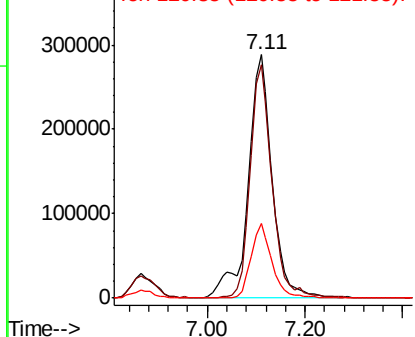


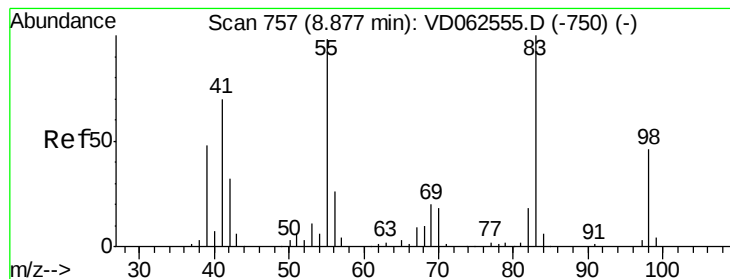
#38
Carbon Tetrachloride
Concen: 63.496 ug/l
RT: 7.11 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Tgt Ion: 117 Resp: 977263
Ion Ratio Lower Upper
117 100
119 95.6 71.4 107.2
121 30.8 22.5 33.7



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 56.202 ug/l

RT: 8.86 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Instrument :

MSVOA_D

ClientSampled :

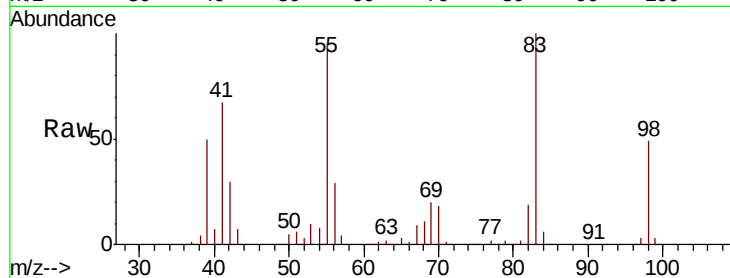
Tot Ion: 83 Resp: 491894

Ion Ratio Lower Upper

83 100

55 95.4 78.7 118.1

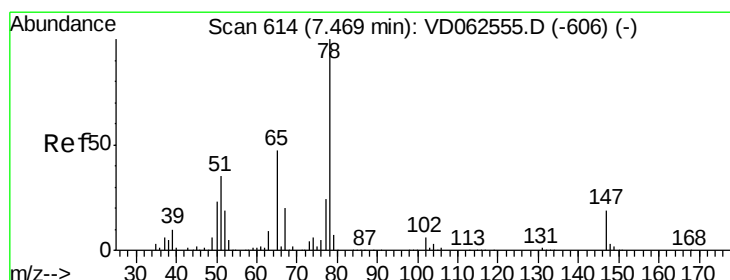
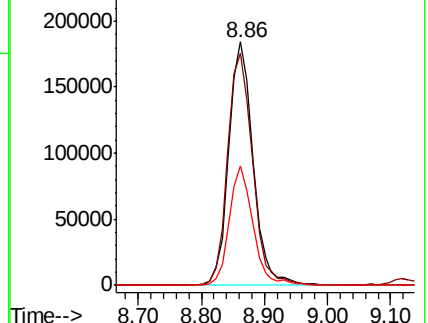
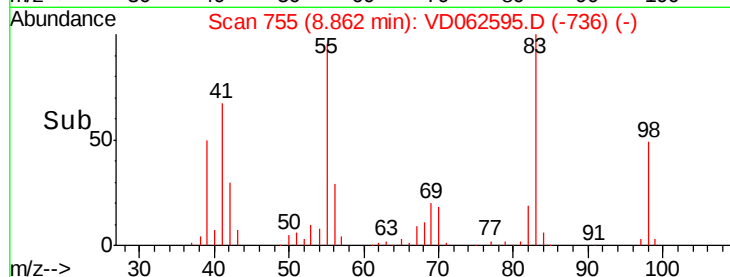
98 49.1 37.2 55.8



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: 55.316 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD062595.D

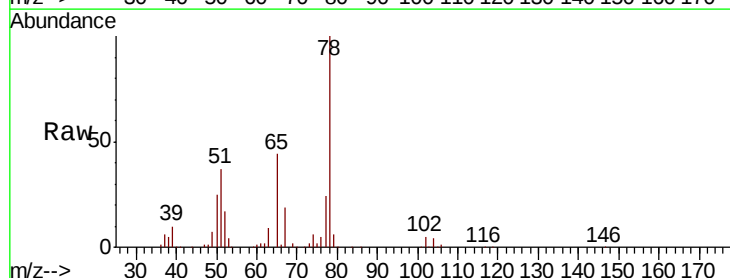
Acq: 3 Jun 2019 19:34

Tgt Ion: 78 Resp: 1122348

Ion Ratio Lower Upper

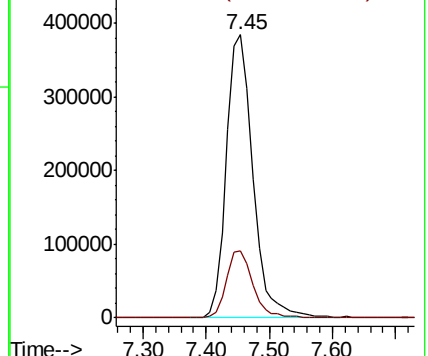
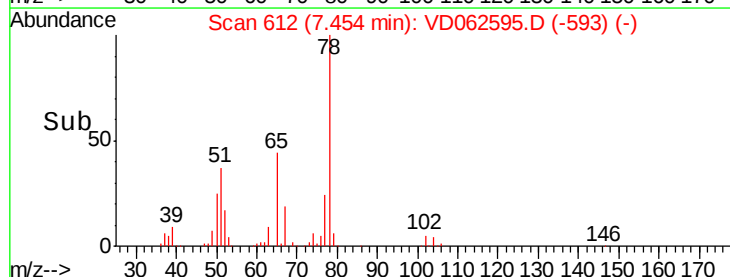
78 100

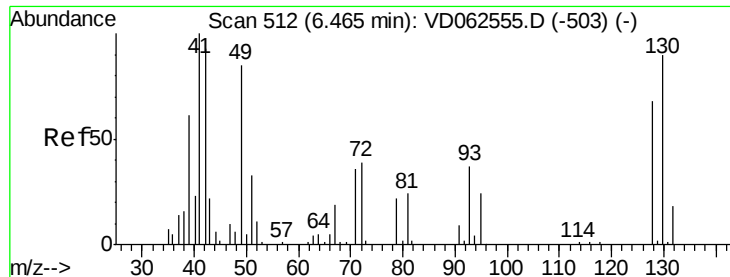
77 23.7 19.1 28.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

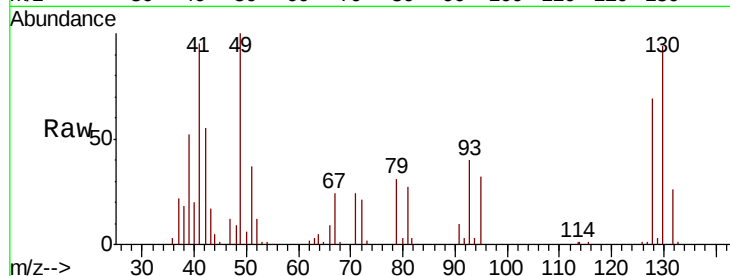




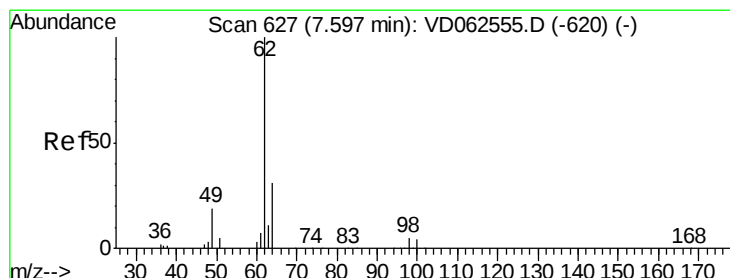
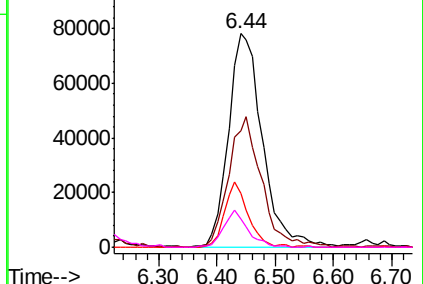
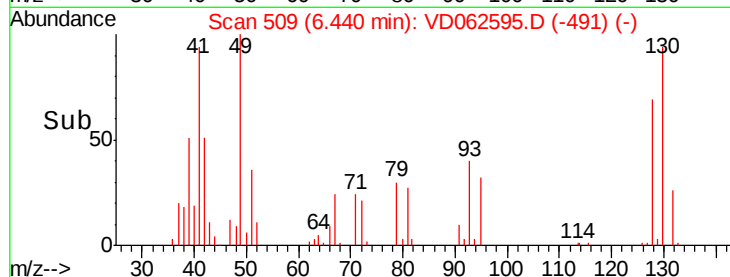
#41
Methacrylonitrile
Concen: 61.897 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.02 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 317450
Ion Ratio Lower Upper
41 100
39 54.8 49.0 73.6
67 25.2 15.5 23.3#
52 13.1 8.9 13.3

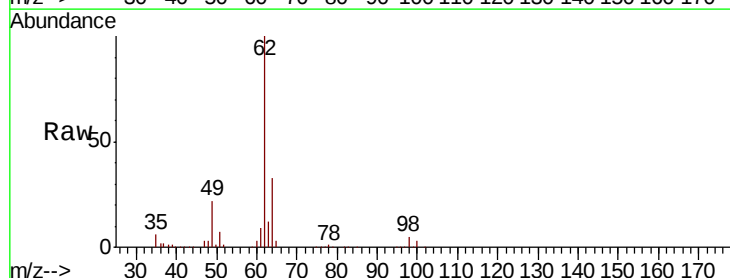


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

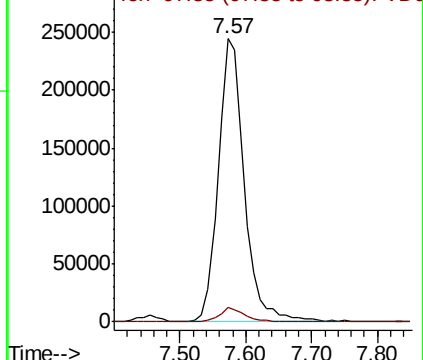
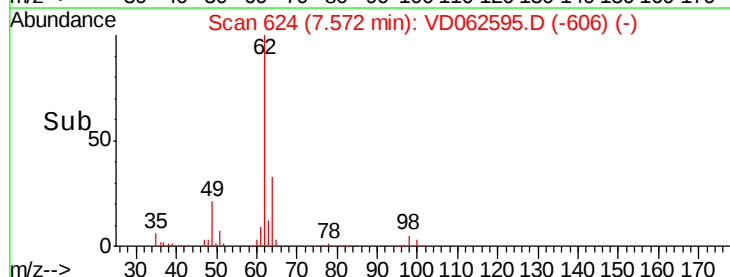


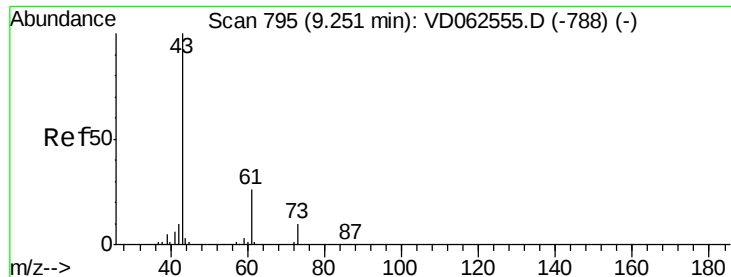
#42
1,2-Dichloroethane
Concen: 59.324 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.02 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Tgt Ion: 62 Resp: 670470
Ion Ratio Lower Upper
62 100
98 5.1 0.0 11.0



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 61.102 ug/l

RT: 9.24 min Scan# 793

Delta R.T. -0.01 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

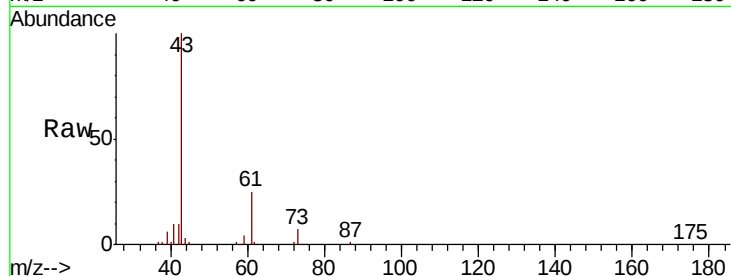
Tot Ion: 43 Resp: 331440

Ion Ratio Lower Upper

43 100

61 24.7 20.5 30.7

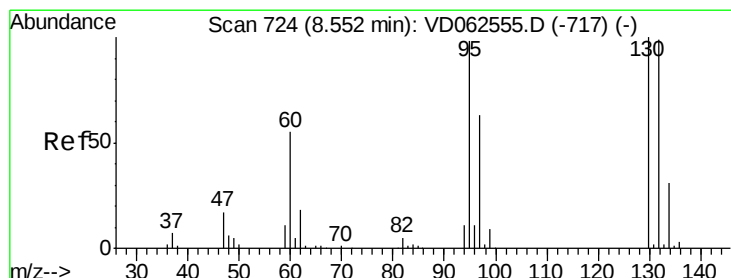
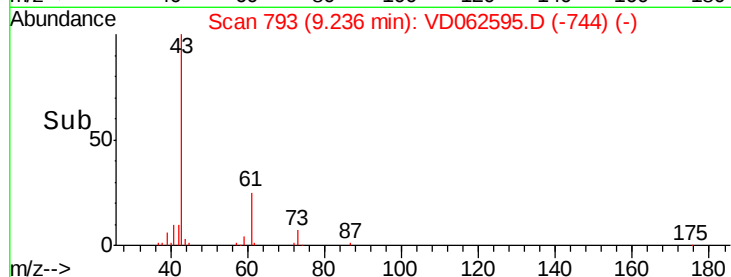
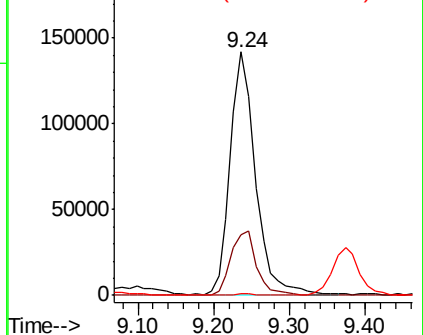
87 0.5 0.2 0.2#



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: 55.903 ug/l

RT: 8.54 min Scan# 722

Delta R.T. -0.01 min

Lab File: VD062595.D

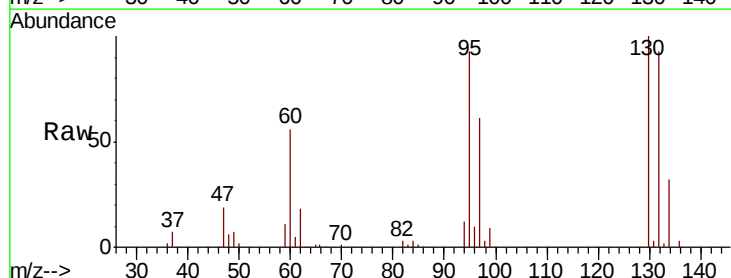
Acq: 3 Jun 2019 19:34

Tgt Ion:130 Resp: 453131

Ion Ratio Lower Upper

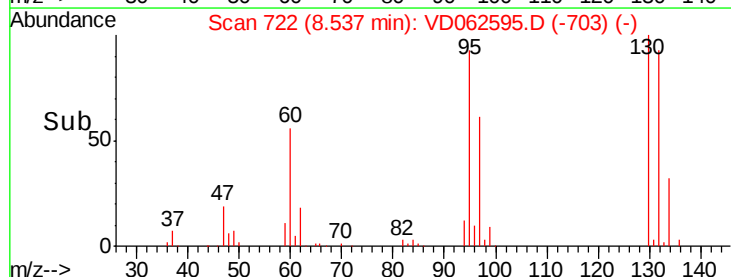
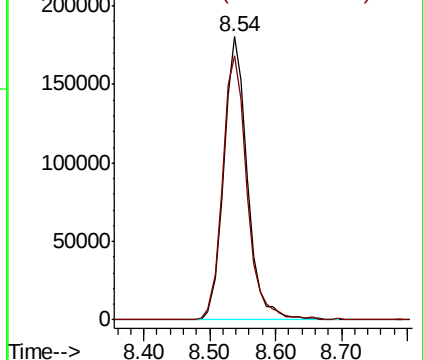
130 100

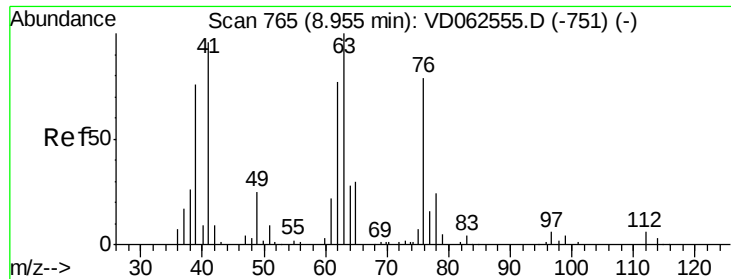
95 93.3 0.0 196.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 58.872 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.02 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Instrument :

MSVOA_D

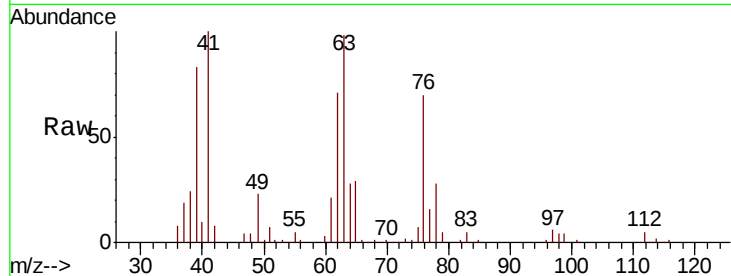
ClientSampleId :

Tot Ion: 63 Resp: 292851

Ion Ratio Lower Upper

63 100

65 29.6 23.7 35.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.93

120000

100000

80000

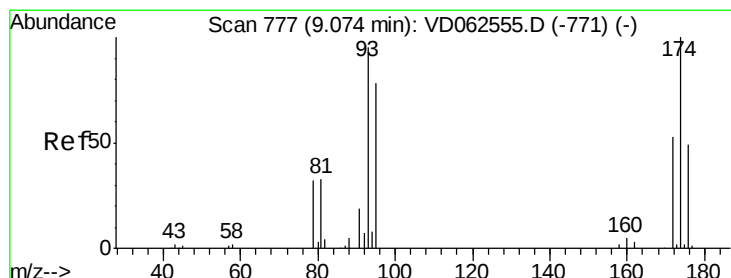
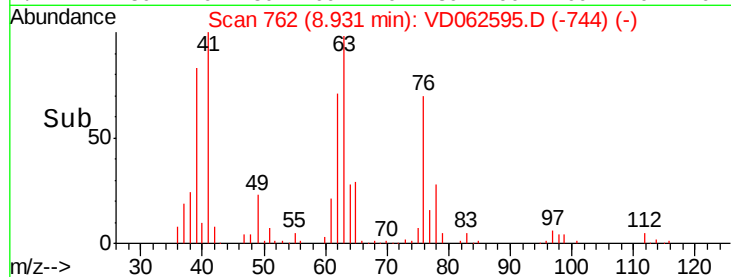
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 58.950 ug/l

RT: 9.06 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

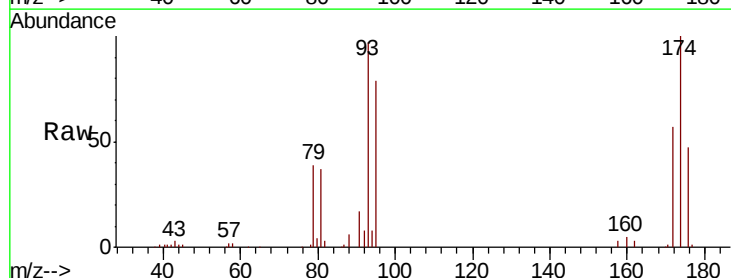
Tgt Ion: 93 Resp: 246307

Ion Ratio Lower Upper

93 100

95 81.5 66.1 99.1

174 103.5 84.2 126.4



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

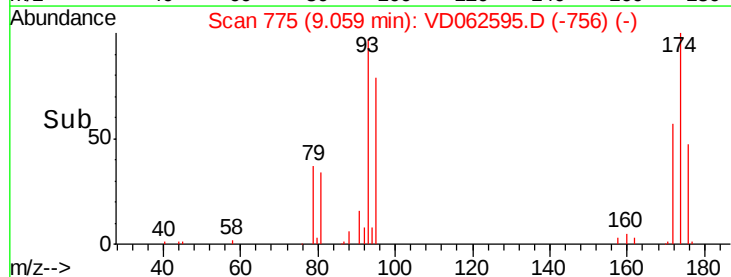
150000

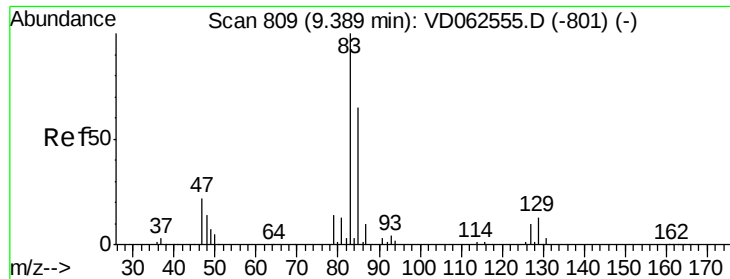
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 57.881 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.01 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

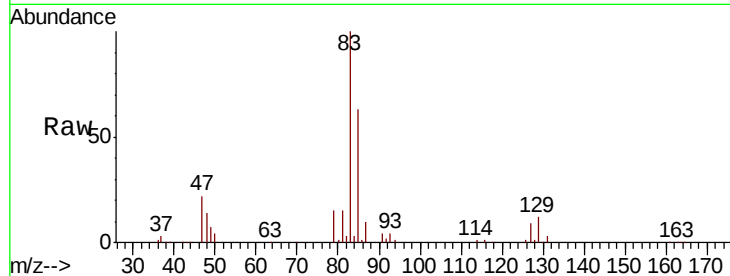
Tot Ion: 83 Resp: 666350

Ion Ratio Lower Upper

83 100

85 62.8 51.8 77.8

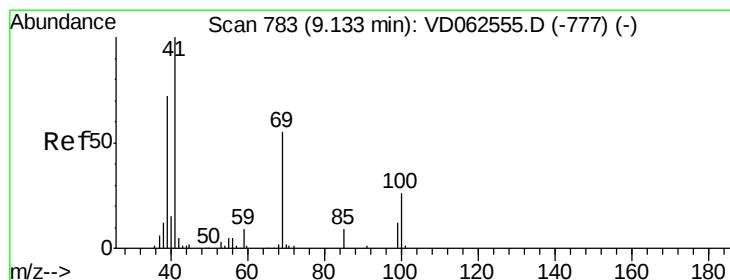
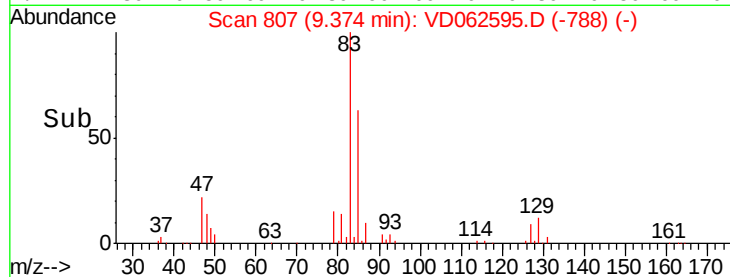
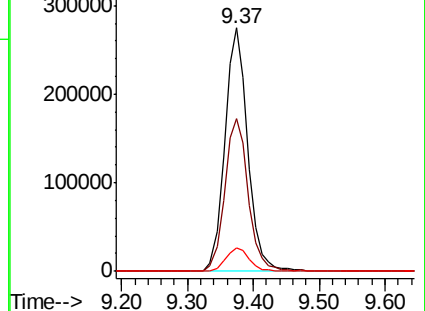
127 9.4 7.8 11.6



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): VDC



#48

Methyl methacrylate

Concen: 65.080 ug/l

RT: 9.12 min Scan# 781

Delta R.T. -0.01 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

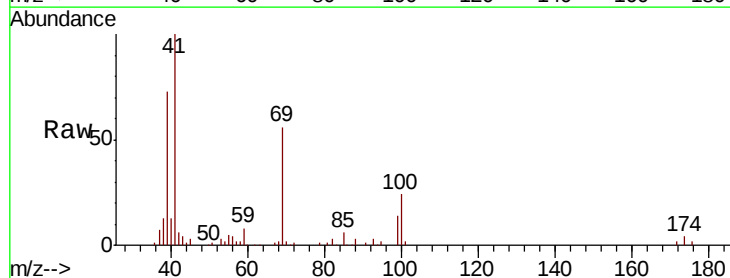
Tgt Ion: 41 Resp: 235123

Ion Ratio Lower Upper

41 100

69 56.5 43.6 65.4

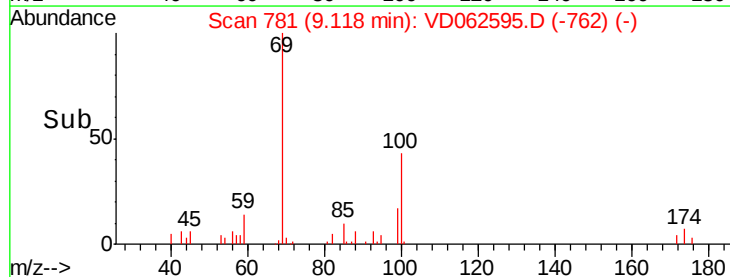
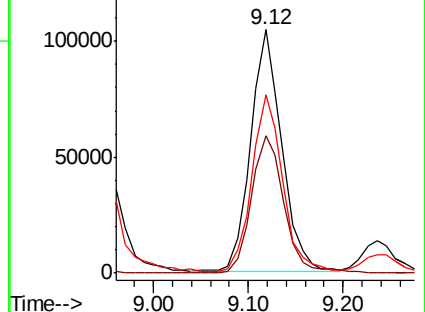
39 73.3 58.1 87.1

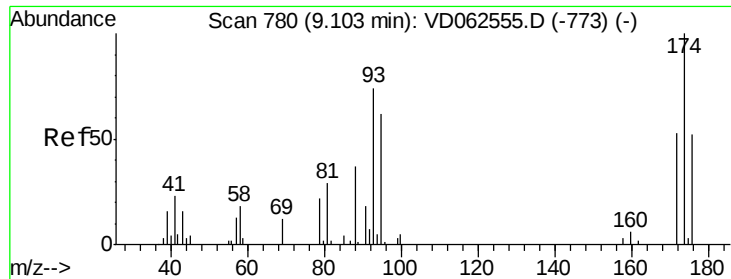


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

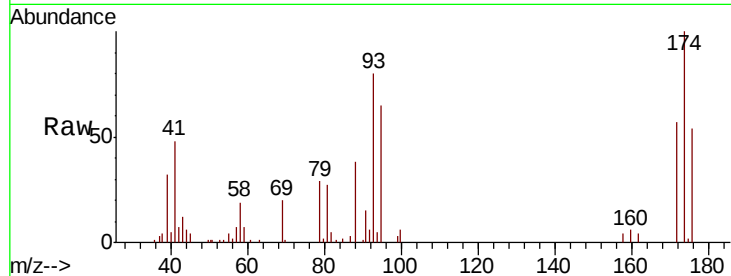




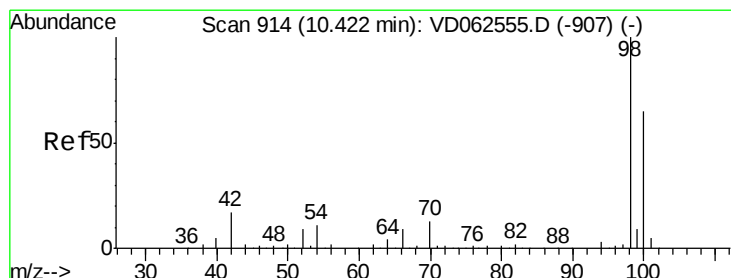
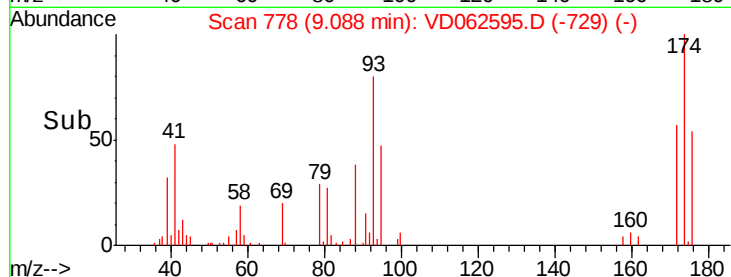
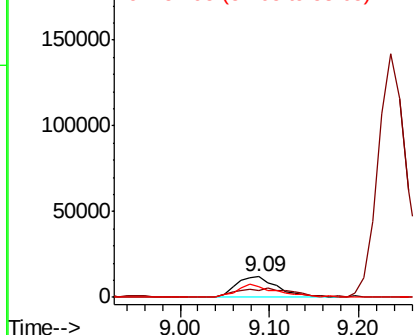
#49
1,4-Dioxane
Concen: 1391.414 ug/l
RT: 9.09 min Scan# 778
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 40831
Ion Ratio Lower Upper
88 100
43 32.4 37.1 55.7#
58 49.7 39.3 58.9

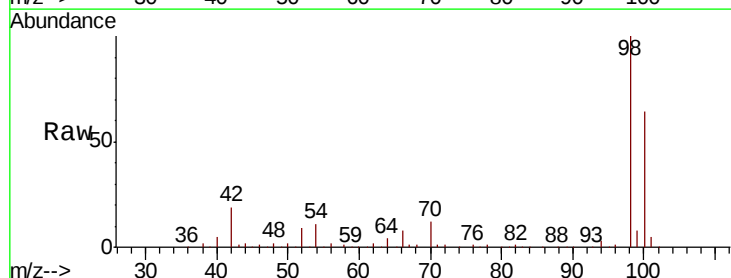


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

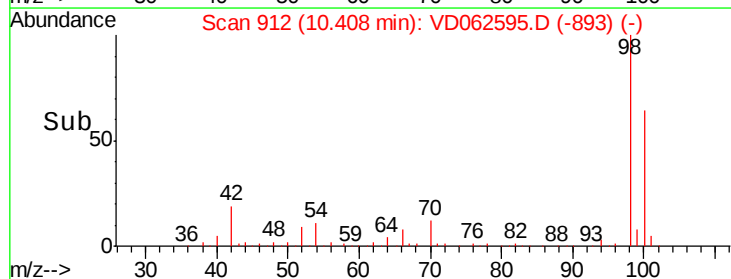
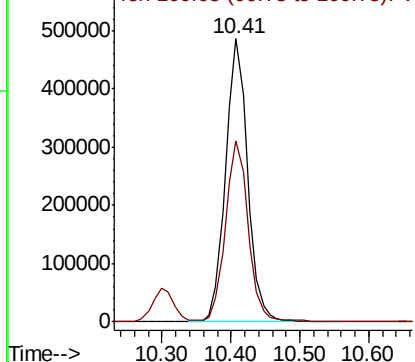


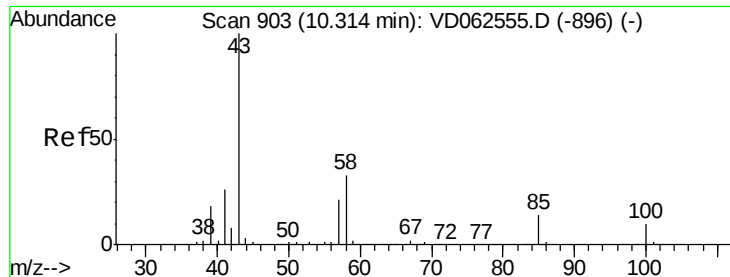
#50
Toluene-d8
Concen: 52.004 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Tgt Ion: 98 Resp: 1078270
Ion Ratio Lower Upper
98 100
100 64.1 52.3 78.5



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: 302.311 ug/l

RT: 10.30 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Instrument :

MSVOA_D

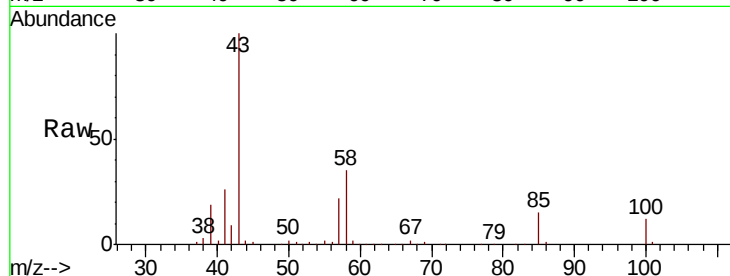
ClientSampled :

Tot Ion: 43 Resp: 1144065

Ion Ratio Lower Upper

43 100

58 35.0 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

500000

400000

300000

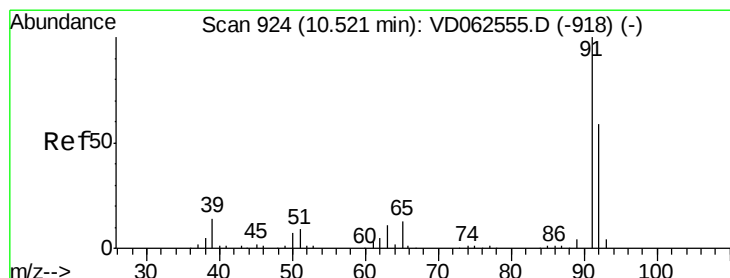
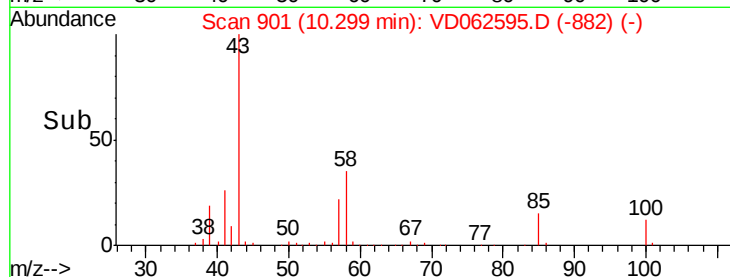
200000

100000

0

Time-->

10.20 10.30 10.40



#52

Toluene

Concen: 56.872 ug/l

RT: 10.51 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD062595.D

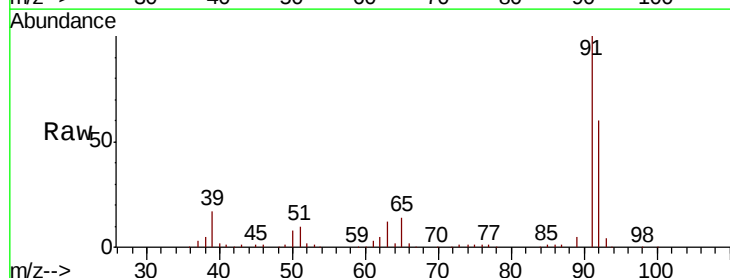
Acq: 3 Jun 2019 19:34

Tgt Ion: 92 Resp: 787007

Ion Ratio Lower Upper

92 100

91 166.0 135.5 203.3



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

600000

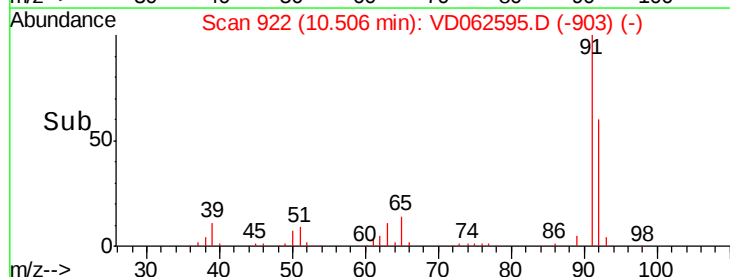
400000

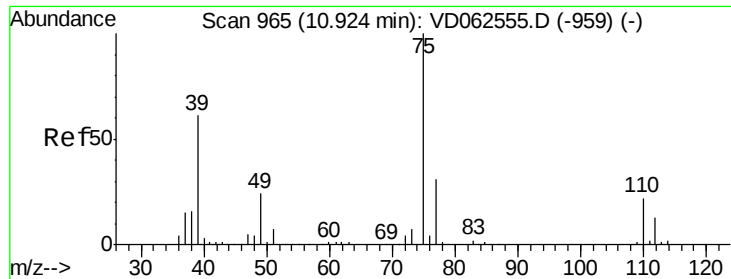
200000

0

Time-->

10.40 10.50 10.60 10.70





#53

t-1,3-Dichloropropene

Concen: 58.144 ug/l

RT: 10.91 min Scan# 963

Delta R.T. -0.01 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Instrument :

MSVOA_D

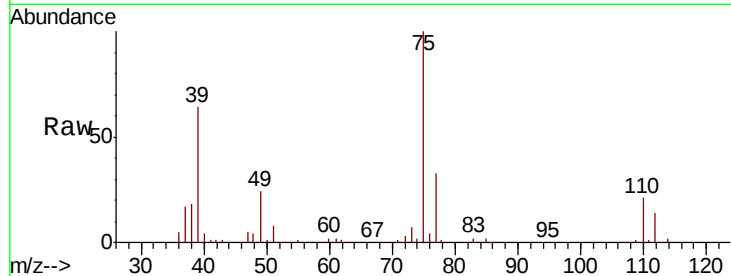
ClientSampleId :

Tot Ion: 75 Resp: 565543

Ion Ratio Lower Upper

75 100

77 32.9 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.91

250000

200000

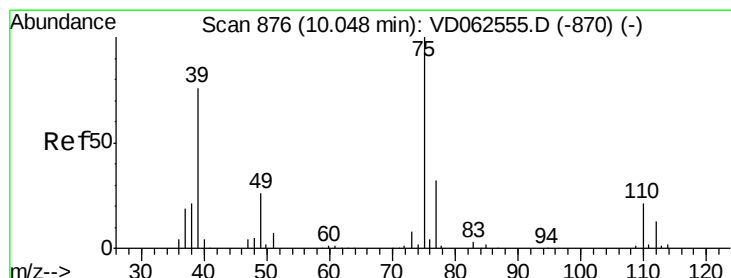
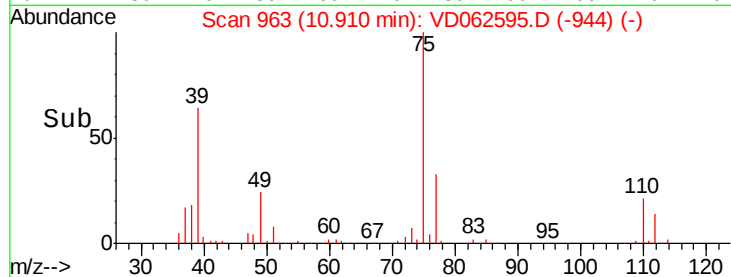
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 59.453 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.01 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

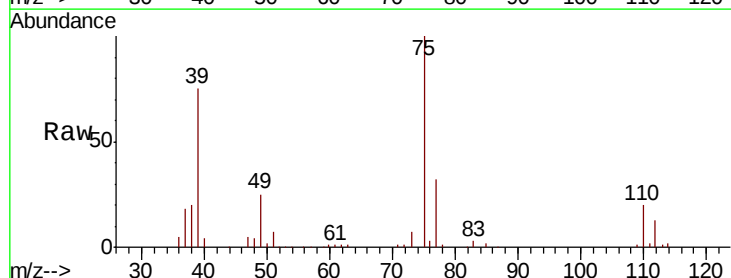
Tgt Ion: 75 Resp: 601210

Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5

39 75.1 61.0 91.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

10.03

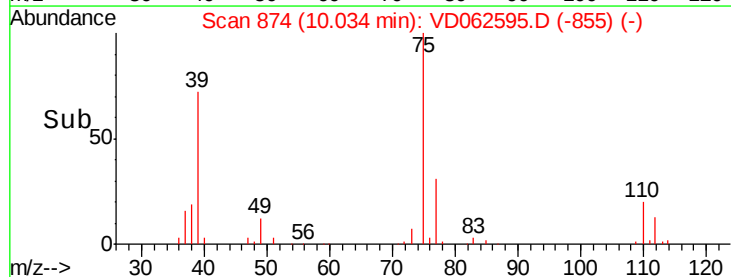
300000

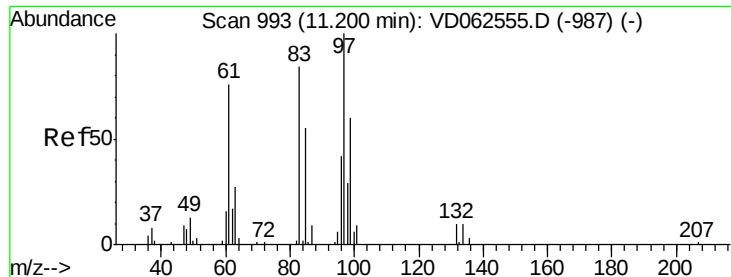
200000

100000

0

Time-->

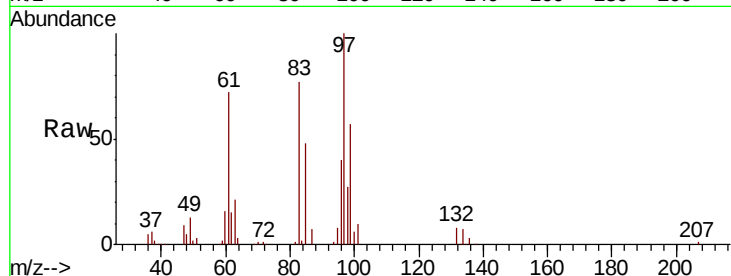




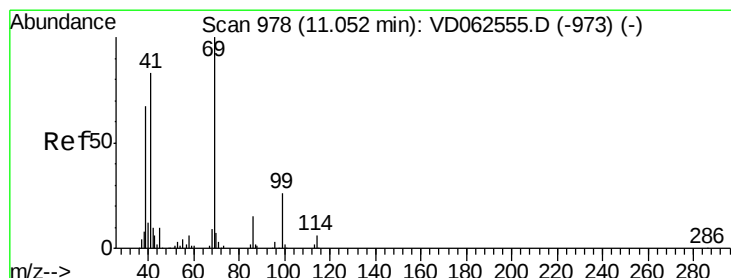
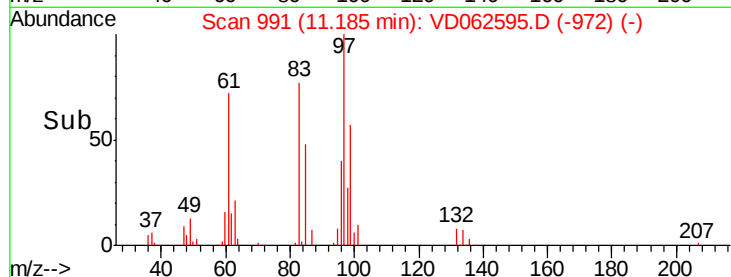
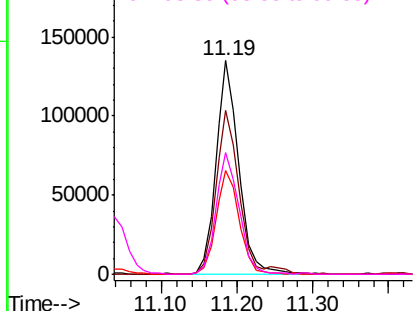
#55
 1,1,2-Trichloroethane
 Concen: 62.219 ug/l
 RT: 11.19 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VD062595.D
 Acq: 3 Jun 2019 19:34

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	282703
Ion	Ratio	Lower	Upper
97	100		
83	77.0	67.3	100.9
85	48.3	43.8	65.8
99	57.1	48.2	72.2

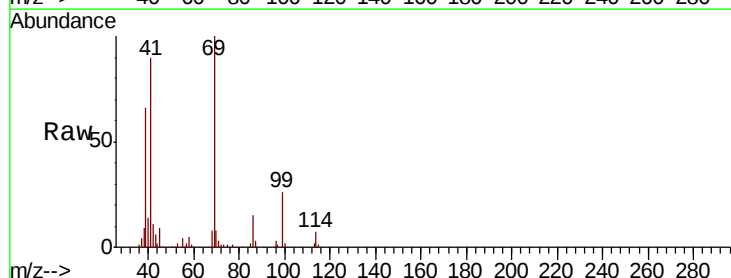


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

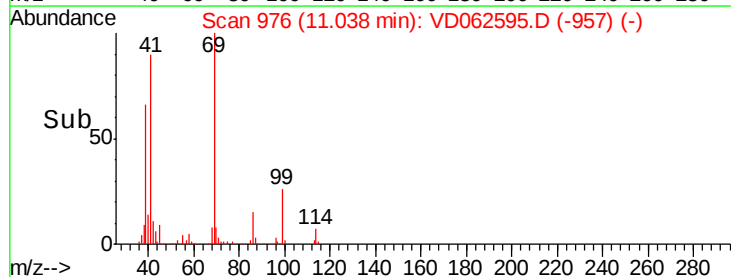
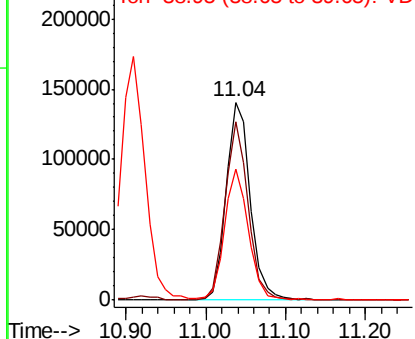


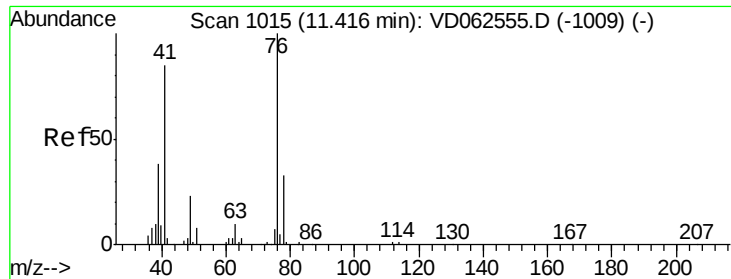
#56
 Ethyl methacrylate
 Concen: 61.824 ug/l
 RT: 11.04 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: VD062595.D
 Acq: 3 Jun 2019 19:34

Tgt Ion:	69	Resp:	299406
Ion	Ratio	Lower	Upper
69	100		
41	89.9	66.1	99.1
39	66.2	54.2	81.2



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

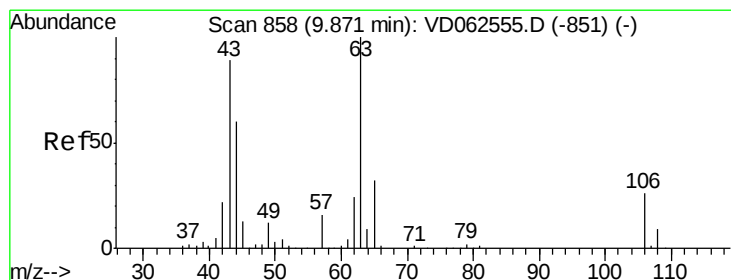
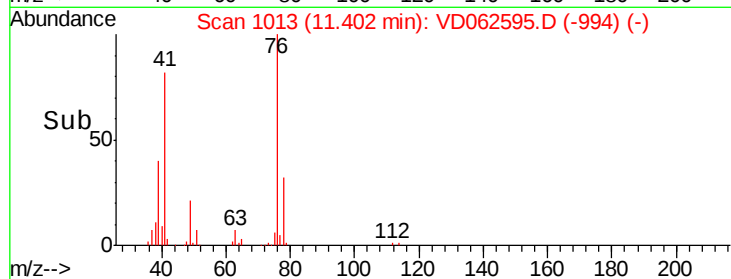
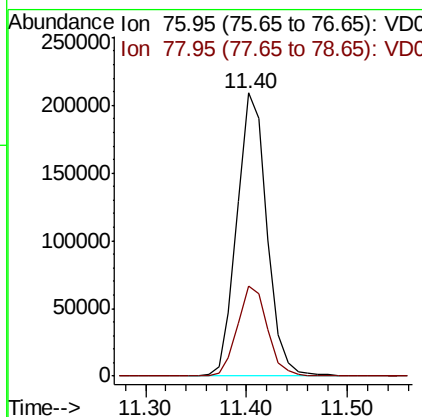
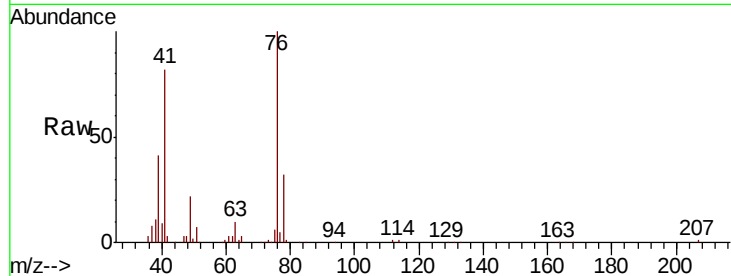




#57
 1,3-Dichloropropane
 Concen: 61.761 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD062595.D
 Acq: 3 Jun 2019 19:34

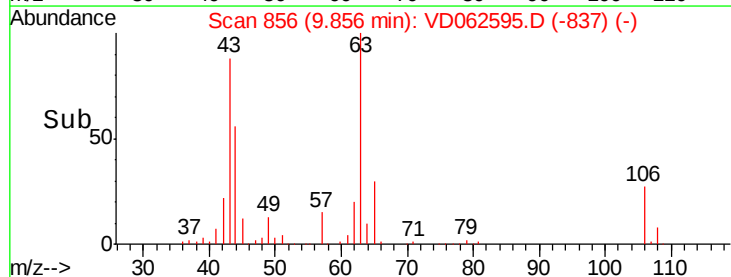
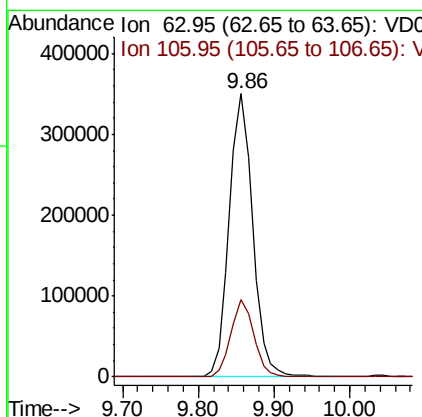
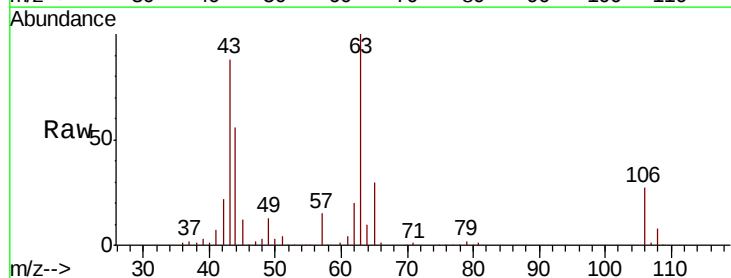
Instrument :
 MSVOA_D
 ClientSampleID :

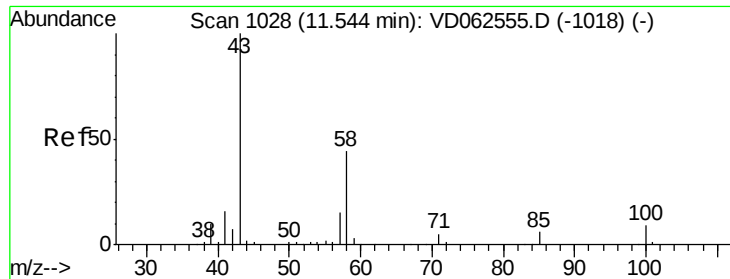
Tot Ion: 76 Resp: 432602
 Ion Ratio Lower Upper
 76 100
 78 31.7 26.7 40.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 303.063 ug/l
 RT: 9.86 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: VD062595.D
 Acq: 3 Jun 2019 19:34

Tgt Ion: 63 Resp: 752739
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.0 31.4

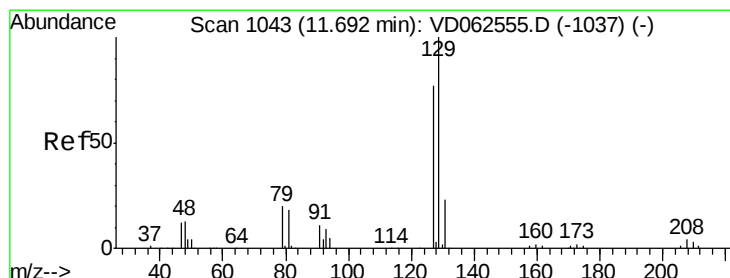
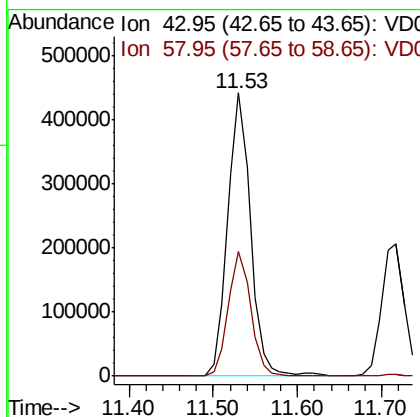
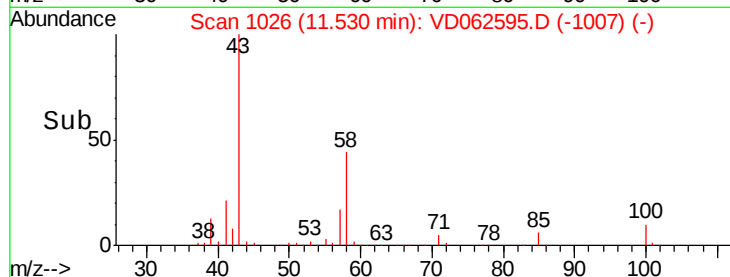
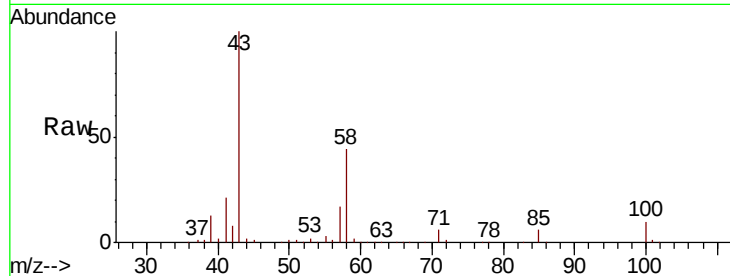




#59
2-Hexanone
Concen: 315.172 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

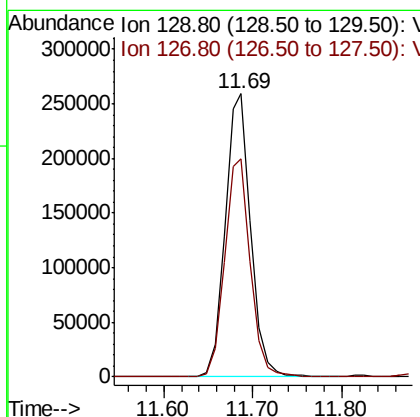
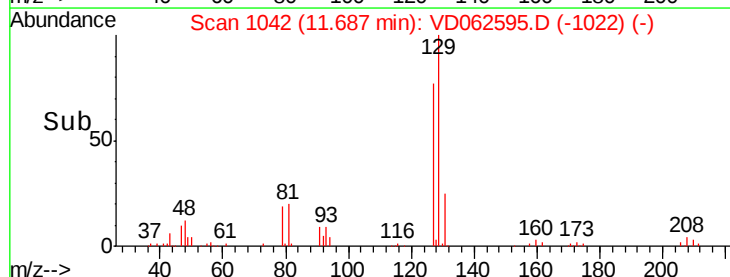
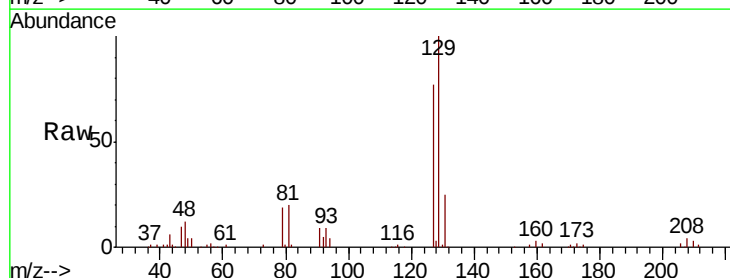
Instrument :
MSVOA_D
ClientSampled :

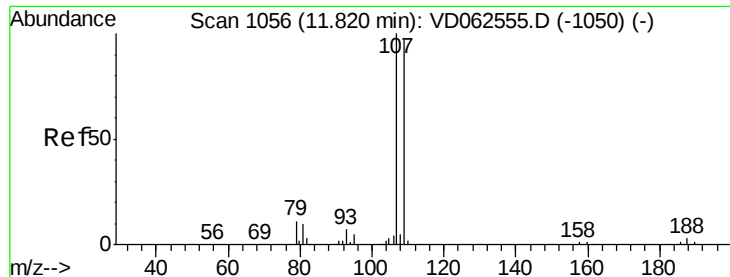
Tot Ion: 43 Resp: 836613
Ion Ratio Lower Upper
43 100
58 44.2 22.0 66.0



#60
Dibromochloromethane
Concen: 58.902 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Tgt Ion: 129 Resp: 520099
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8

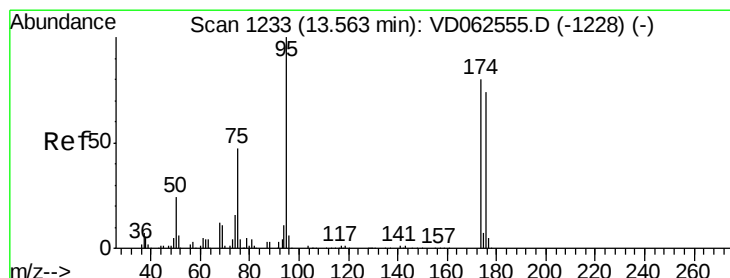
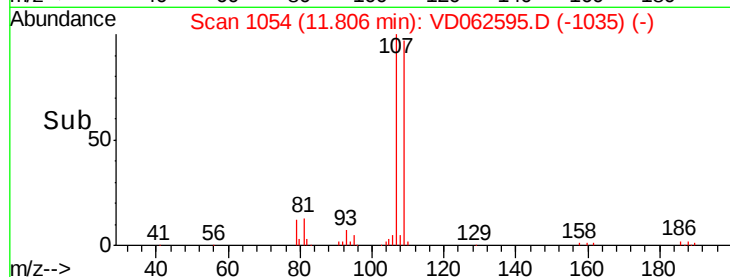
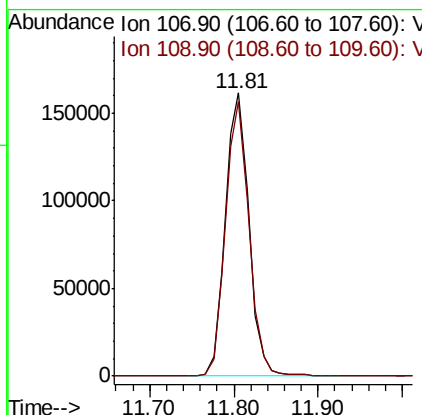
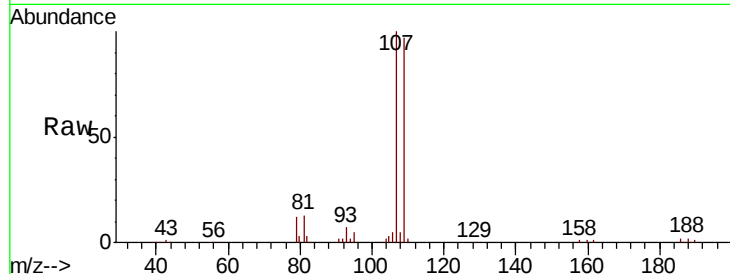




#61
 1,2-Dibromoethane
 Concen: 57.497 ug/l
 RT: 11.81 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD062595.D
 Acq: 3 Jun 2019 19:34

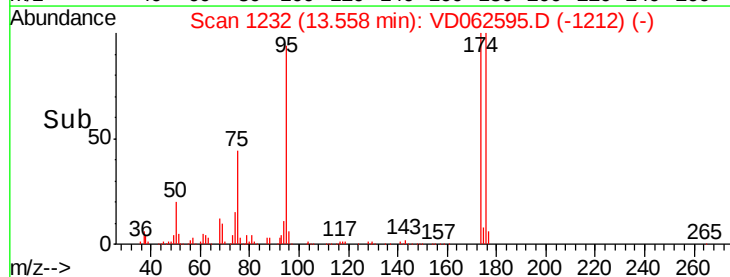
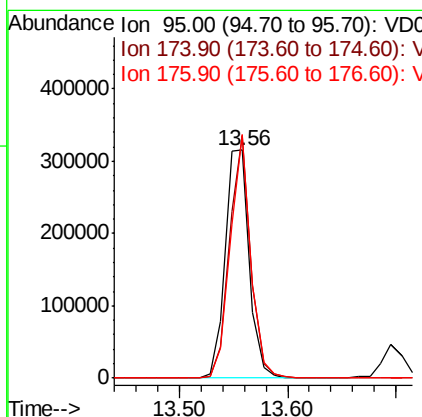
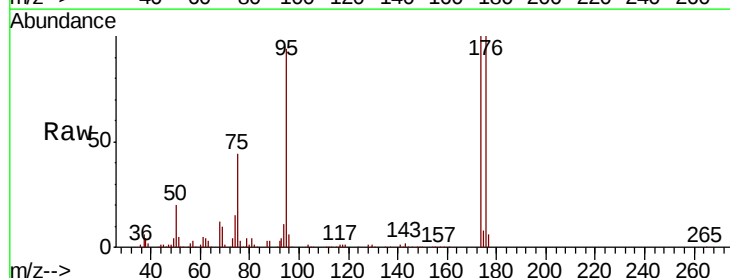
Instrument :
 MSVOA_D
 ClientSampleId :

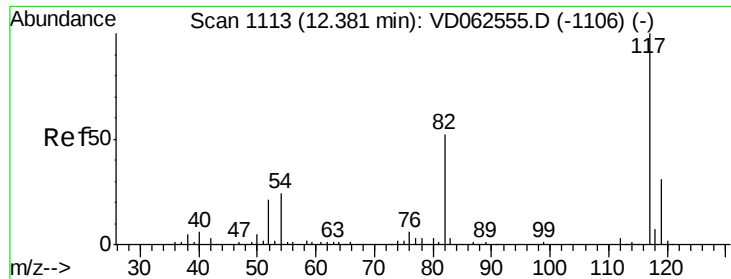
Tot Ion:107 Resp: 314275
 Ion Ratio Lower Upper
 107 100
 109 97.1 77.3 115.9



#62
 4-Bromofluorobenzene
 Concen: 52.181 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD062595.D
 Acq: 3 Jun 2019 19:34

Tgt Ion: 95 Resp: 487925
 Ion Ratio Lower Upper
 95 100
 174 106.5 0.0 160.2
 176 106.8 0.0 148.0

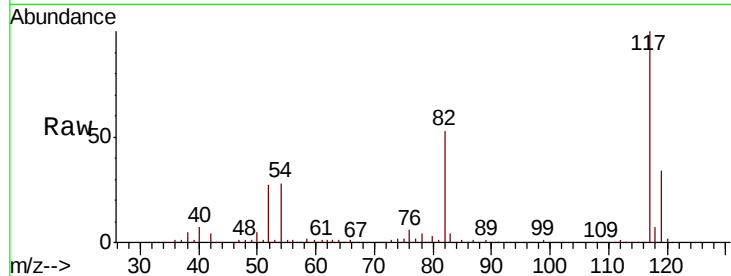




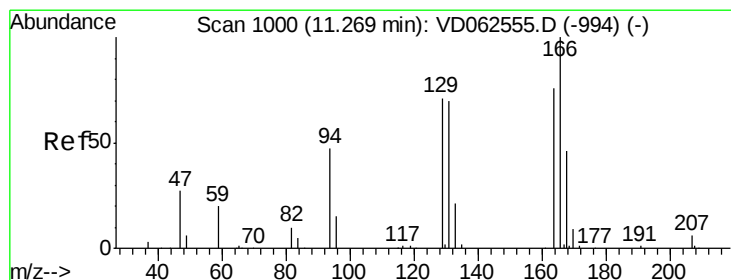
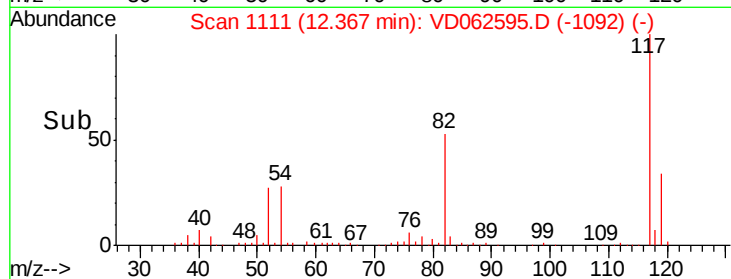
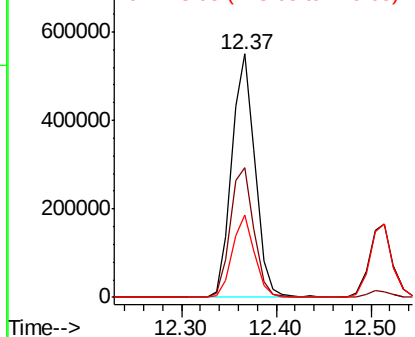
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 934519
Ion Ratio Lower Upper
117 100
82 53.2 41.4 62.2
119 33.6 24.9 37.3

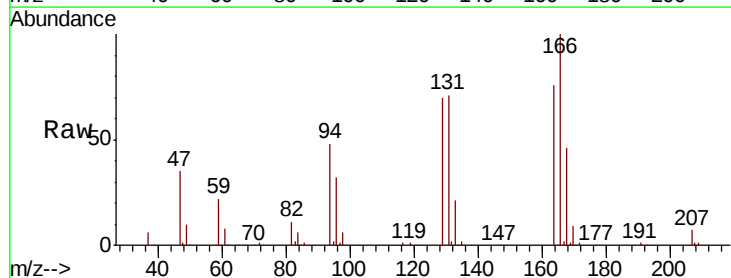


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

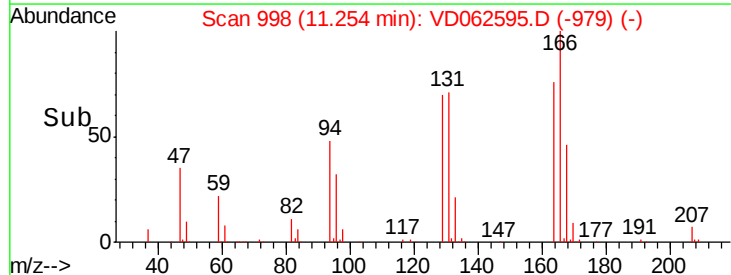
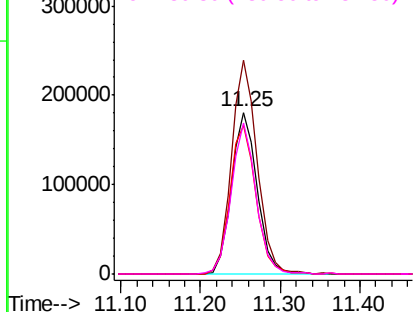


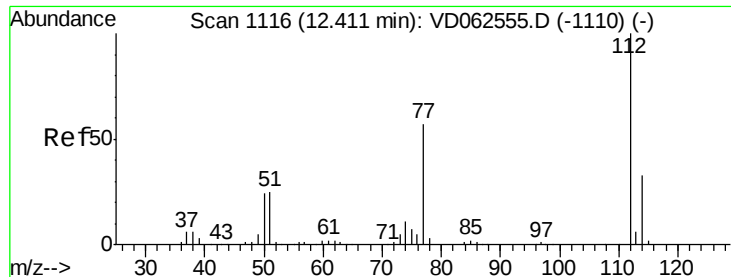
#64
Tetrachloroethene
Concen: 49.114 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Tgt Ion:164 Resp: 405737
Ion Ratio Lower Upper
164 100
166 132.2 105.3 157.9
129 91.9 75.3 112.9
131 93.5 73.3 109.9



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

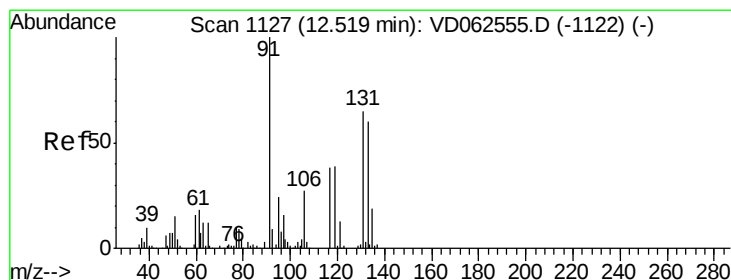
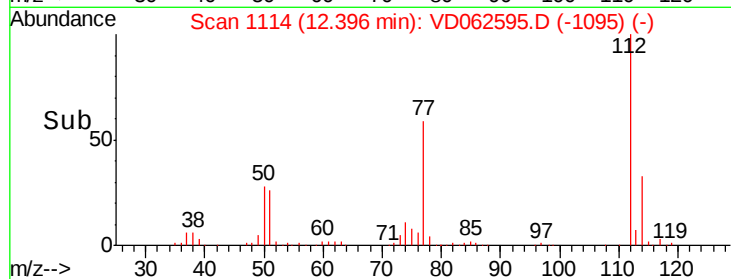
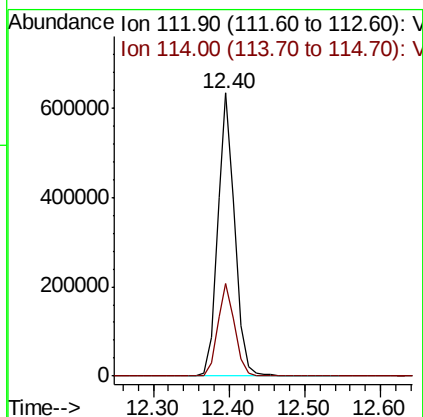
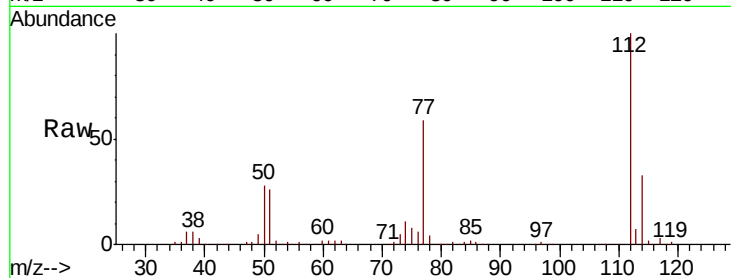




#65
Chlorobenzene
Concen: 54.408 ug/l
RT: 12.40 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

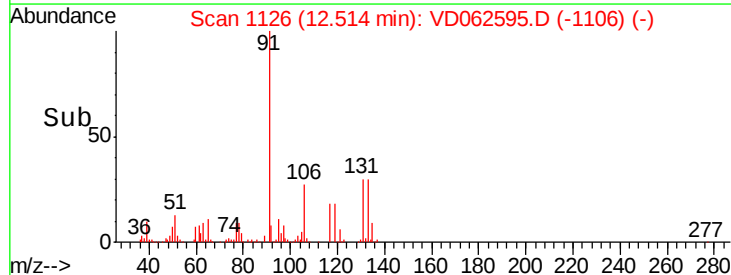
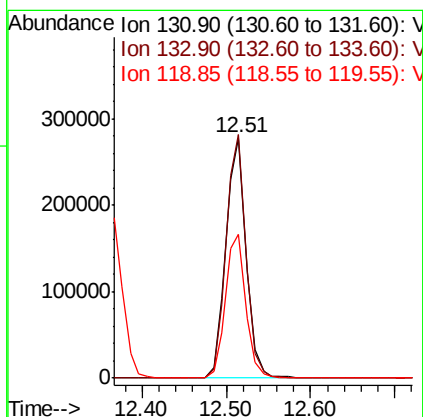
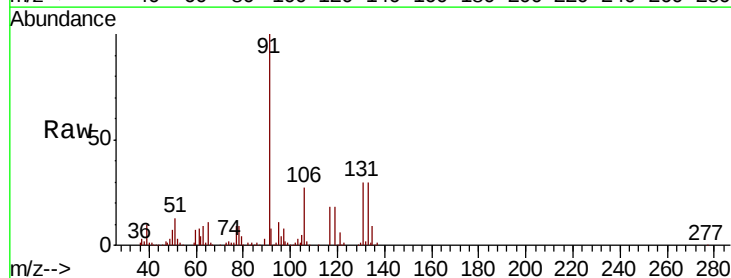
Instrument :
MSVOA_D
ClientSampleId :

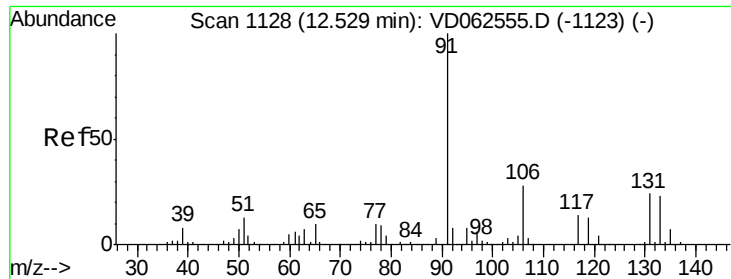
Tot Ion:112 Resp: 990526
Ion Ratio Lower Upper
112 100
114 32.9 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 53.505 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Tgt Ion:131 Resp: 460670
Ion Ratio Lower Upper
131 100
133 101.5 46.2 138.6
119 60.0 29.5 88.6

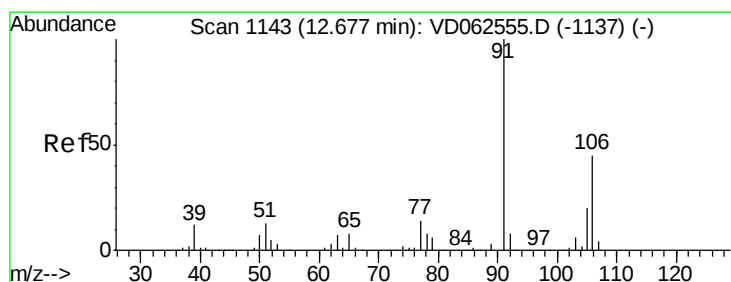
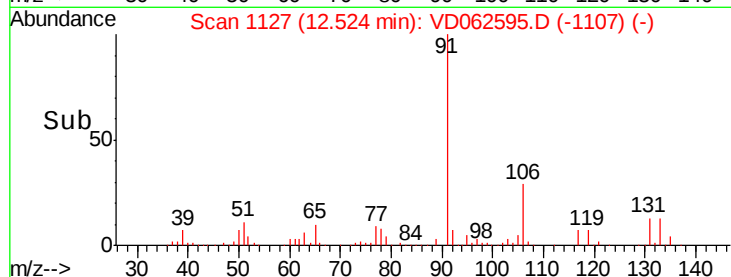
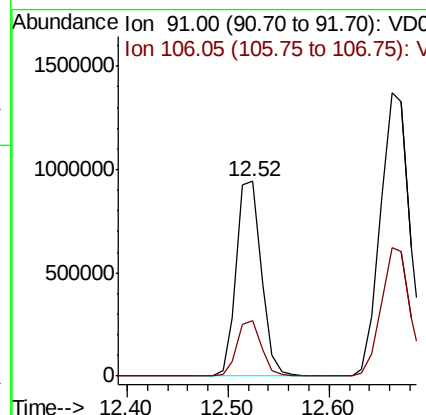
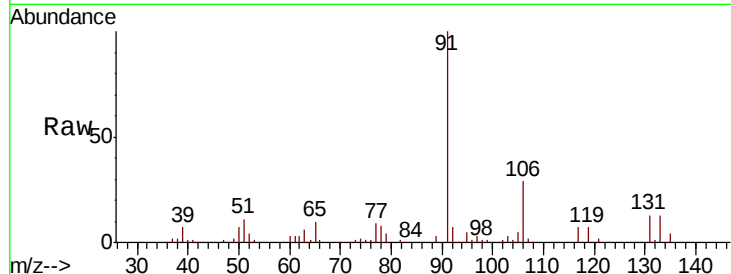




#67
Ethyl Benzene
Concen: 48.968 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

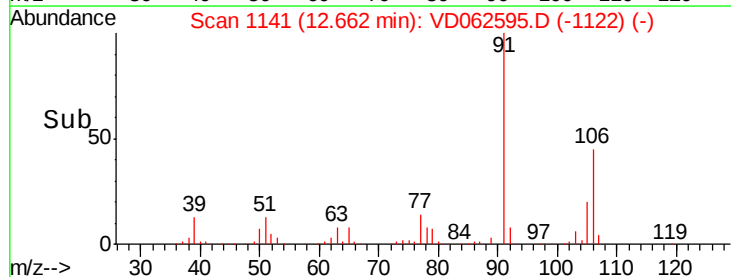
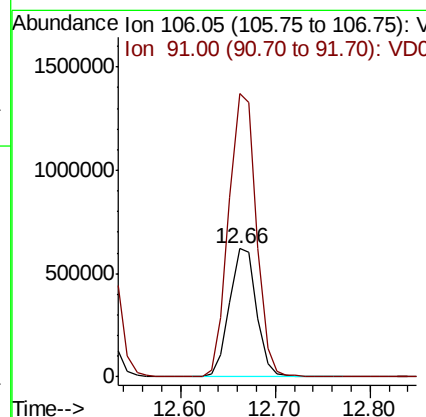
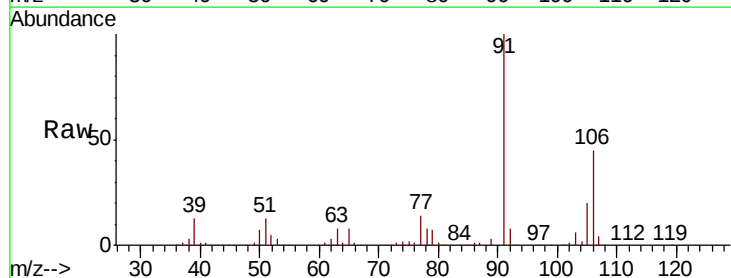
Instrument :
MSVOA_D
ClientSampled :

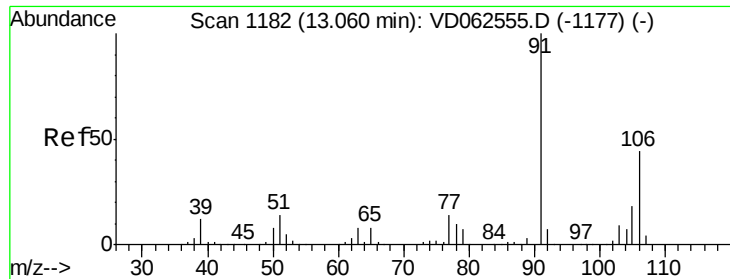
Tot Ion: 91 Resp: 1633335
Ion Ratio Lower Upper
91 100
106 28.5 22.2 33.2



#68
m/p-Xylenes
Concen: 106.277 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Tgt Ion: 106 Resp: 1226286
Ion Ratio Lower Upper
106 100
91 220.5 178.9 268.3

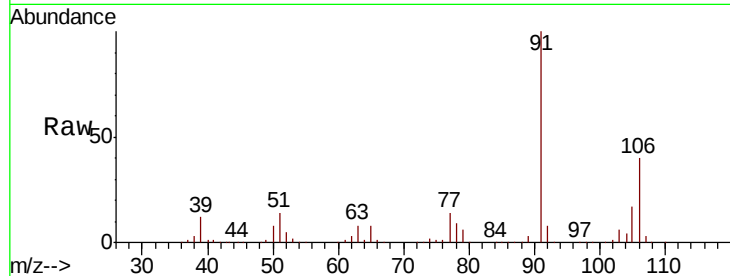




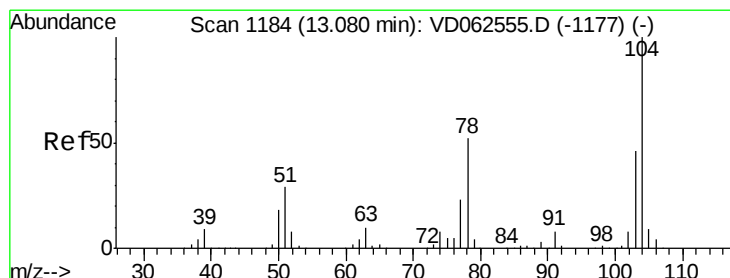
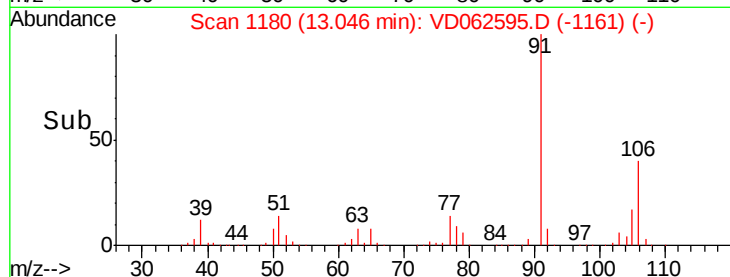
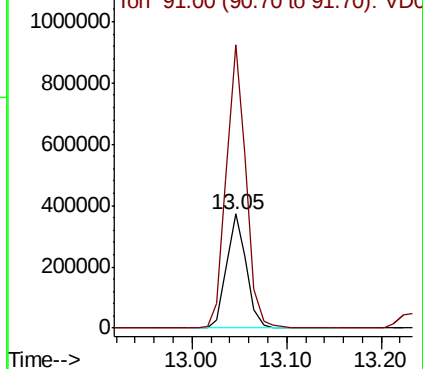
#69
o-Xylene
Concen: 48.634 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 535317
Ion Ratio Lower Upper
106 100
91 248.6 113.9 341.8

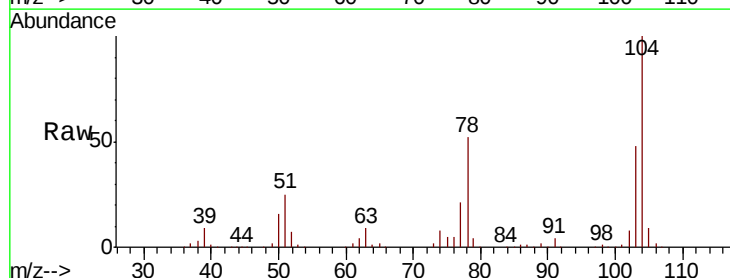


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

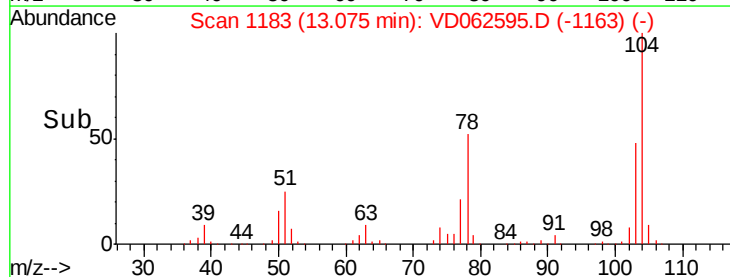
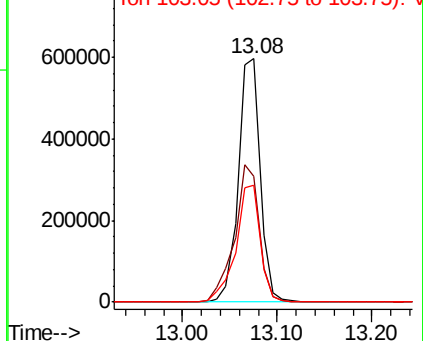


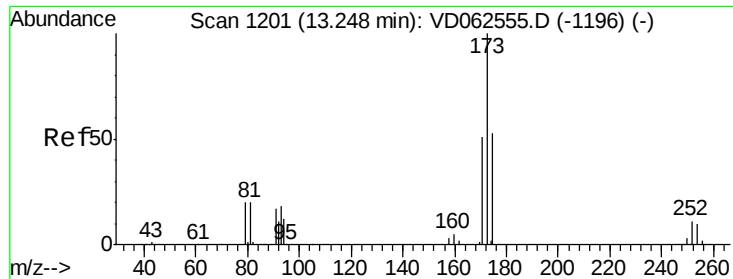
#70
Styrene
Concen: 51.322 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Tgt Ion:104 Resp: 959188
Ion Ratio Lower Upper
104 100
78 51.6 41.5 62.3
103 47.9 36.6 55.0



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: 54.989 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

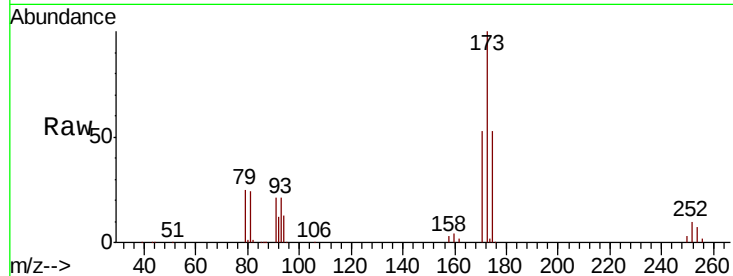
Tot Ion:173 Resp: 332355

Ion Ratio Lower Upper

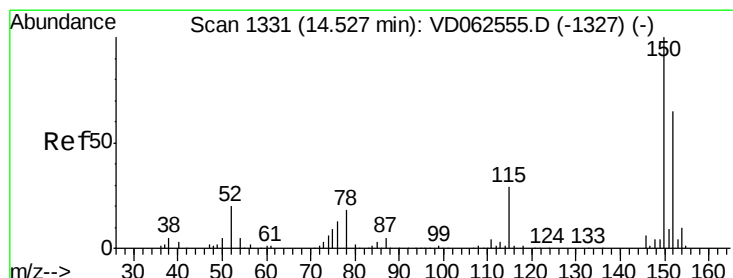
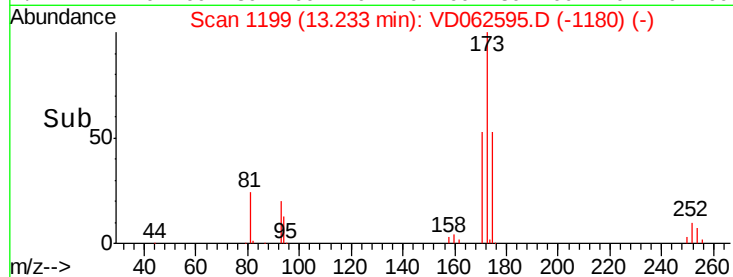
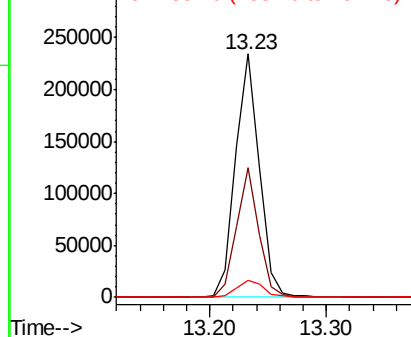
173 100

175 53.2 26.6 79.7

254 7.2 8.1 12.1#



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: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

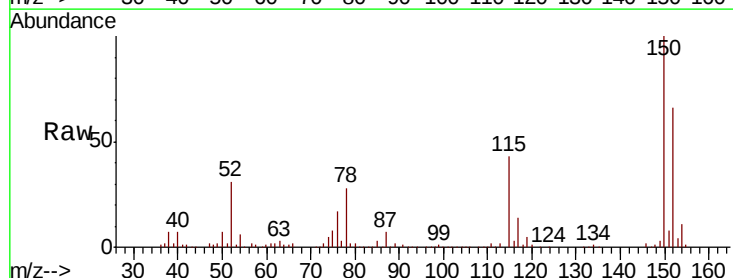
Tgt Ion:152 Resp: 503976

Ion Ratio Lower Upper

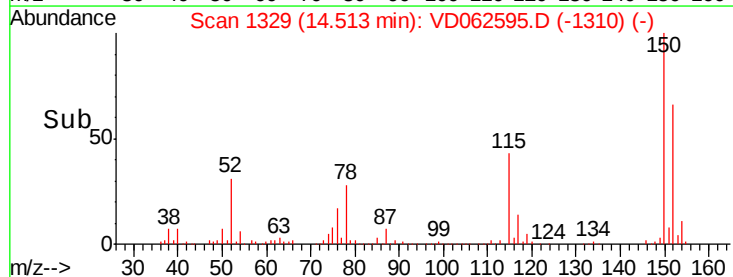
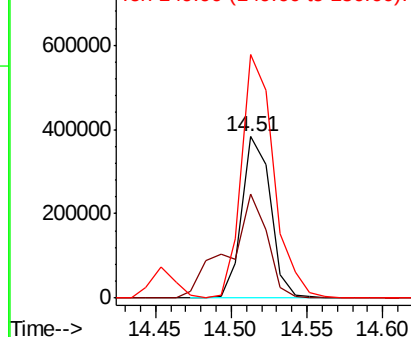
152 100

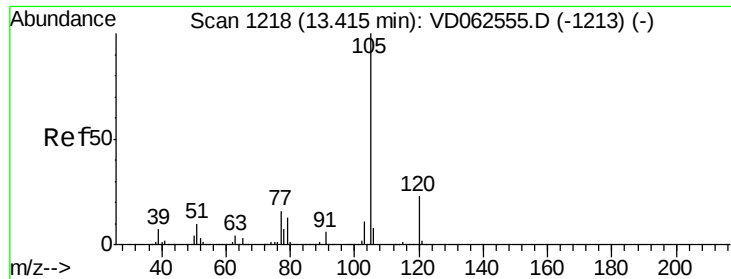
115 64.4 28.4 85.3

150 150.7 0.0 310.4



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

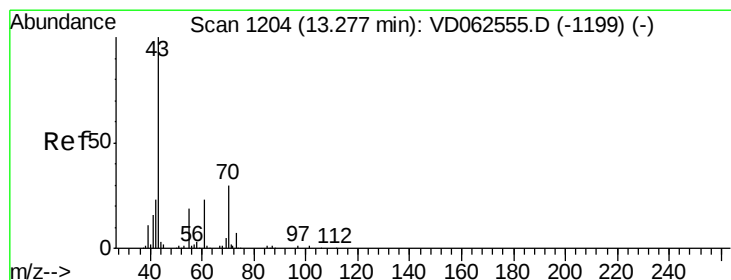
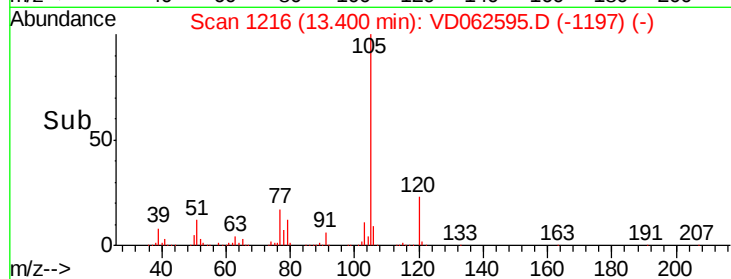
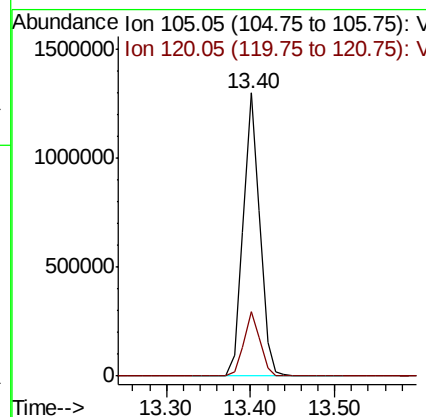
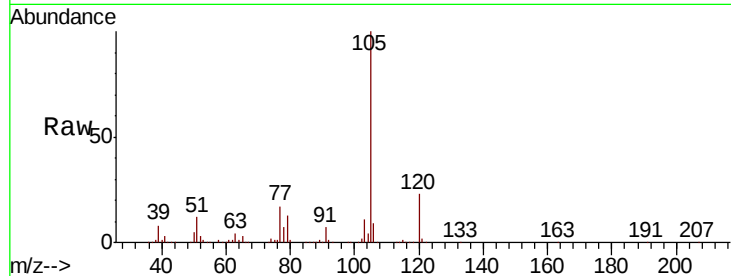




#73
Isopropylbenzene
Concen: 53.401 ug/l
RT: 13.40 min Scan# 1216
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

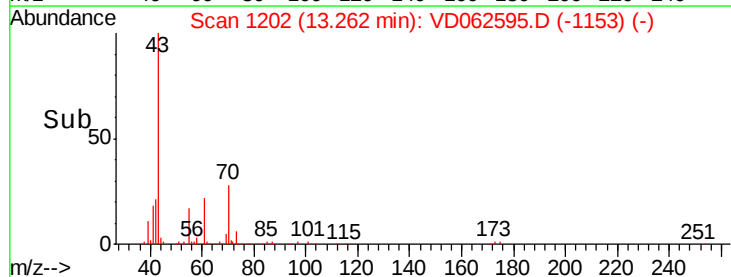
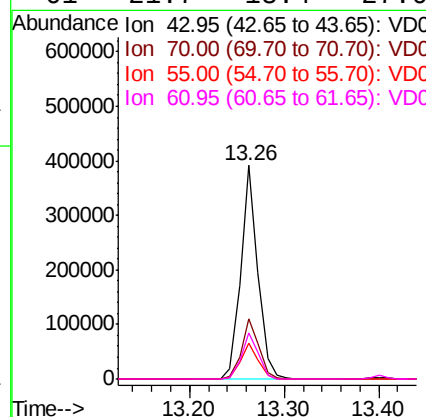
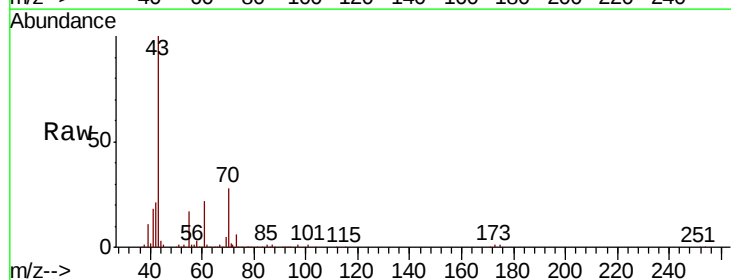
Instrument :
MSVOA_D
ClientSampled :

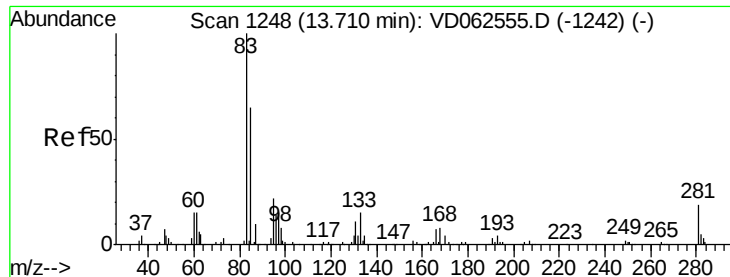
Tot Ion:105 Resp: 1774252
Ion Ratio Lower Upper
105 100
120 22.9 11.6 34.8



#74
N-ethyl acetate
Concen: 57.708 ug/l
RT: 13.26 min Scan# 1202
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Tgt Ion: 43 Resp: 488883
Ion Ratio Lower Upper
43 100
70 28.0 23.7 35.5
55 17.0 15.0 22.4
61 21.7 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 60.466 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

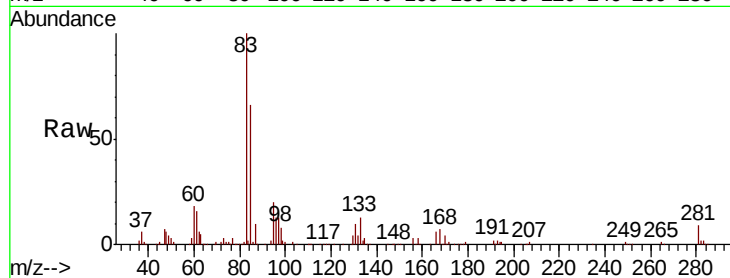
Tot Ion: 83 Resp: 318618

Ion Ratio Lower Upper

83 100

131 10.3 5.7 17.1

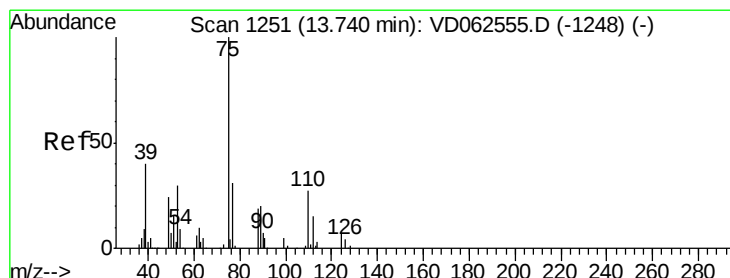
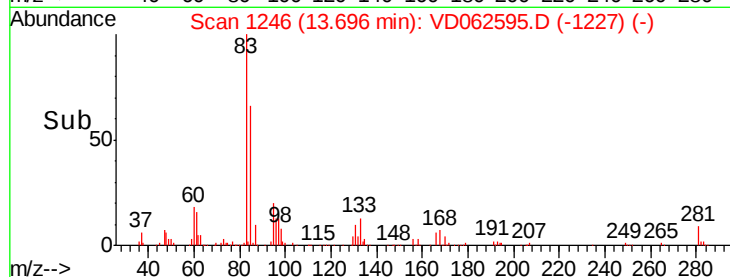
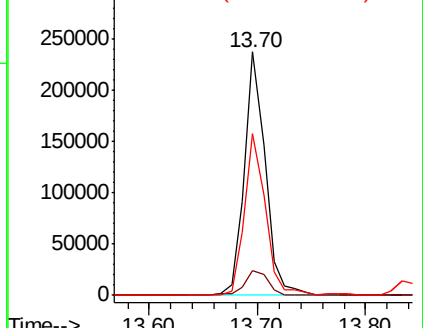
85 66.5 32.6 97.8



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: 58.238 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD062595.D

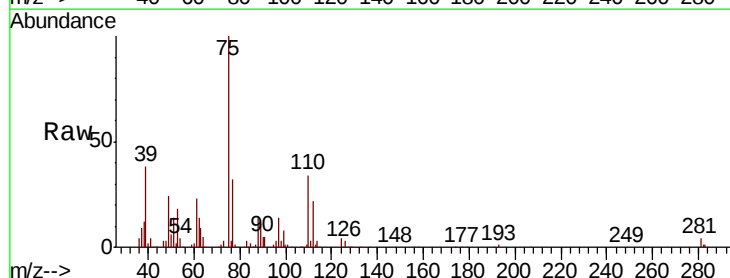
Acq: 3 Jun 2019 19:34

Tgt Ion: 75 Resp: 352126

Ion Ratio Lower Upper

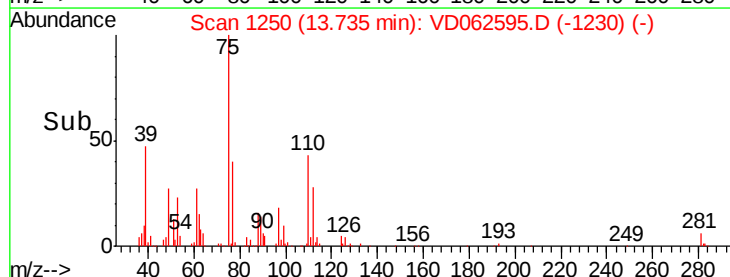
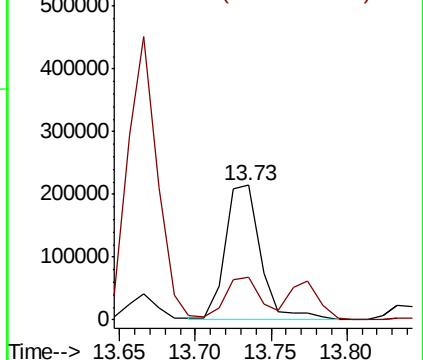
75 100

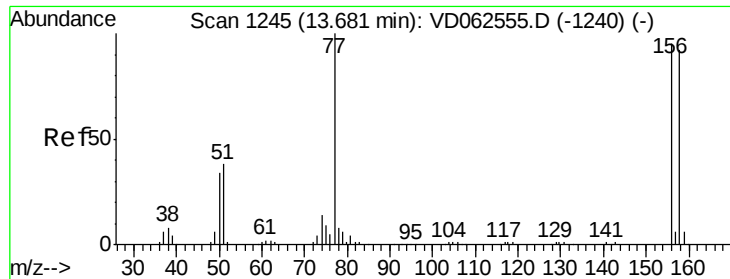
77 32.0 16.5 49.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

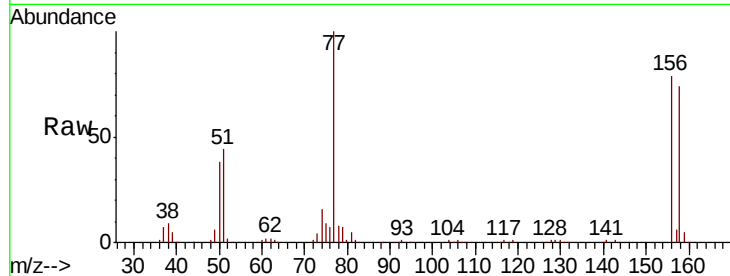




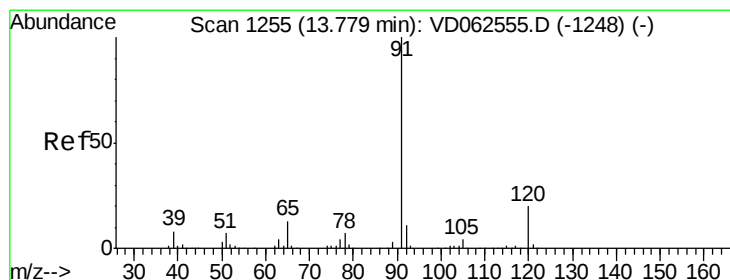
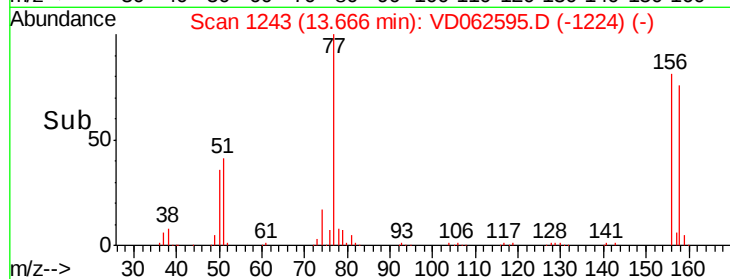
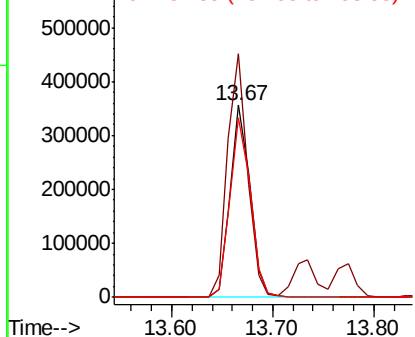
#77
Bromobenzene
Concen: 53.523 ug/l
RT: 13.67 min Scan# 1243
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:156 Resp: 487577
Ion Ratio Lower Upper
156 100
77 126.7 52.9 158.7
158 93.2 48.5 145.5

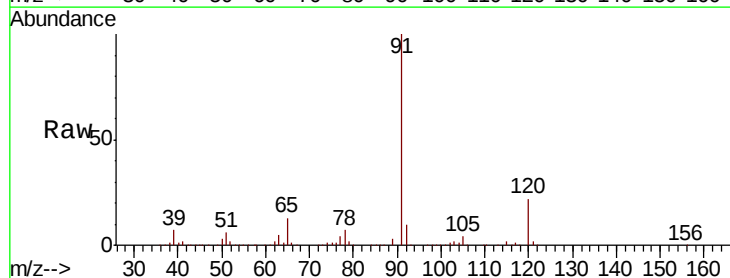


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

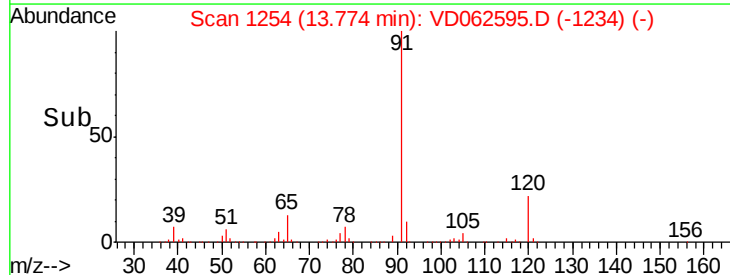
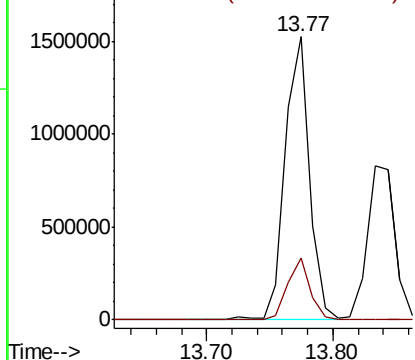


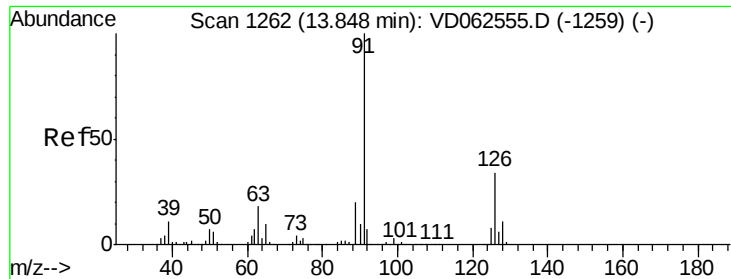
#78
n-propylbenzene
Concen: 53.636 ug/l
RT: 13.77 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Tgt Ion: 91 Resp: 2054063
Ion Ratio Lower Upper
91 100
120 21.9 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.05 (119.75 to 120.75): V

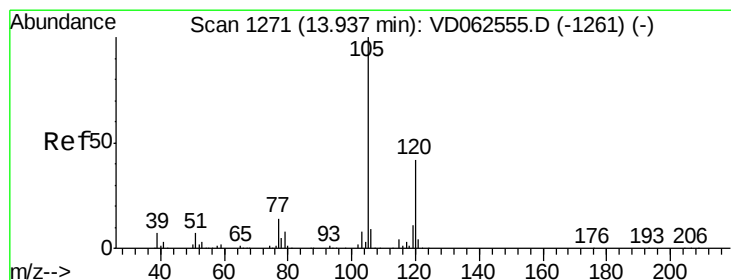
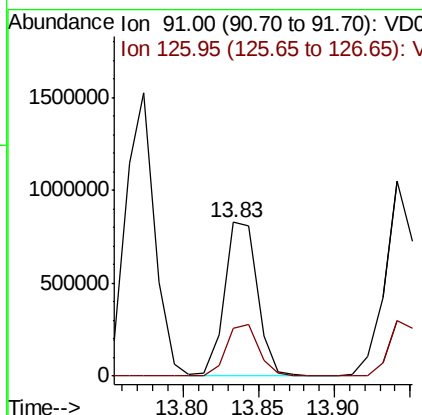
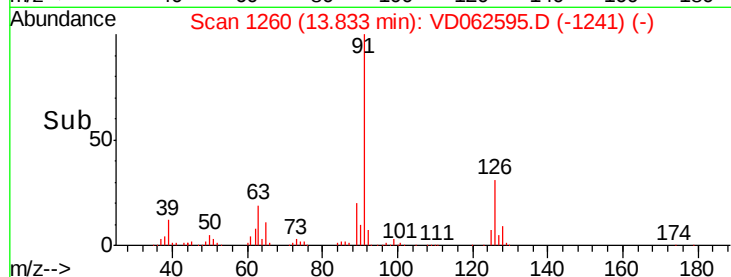
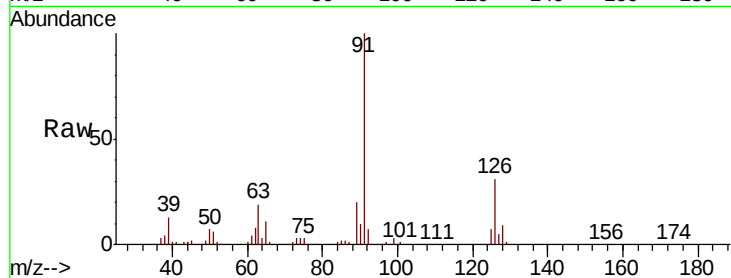




#79
2-Chlorotoluene
Concen: 56.754 ug/l
RT: 13.83 min Scan# 1260
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

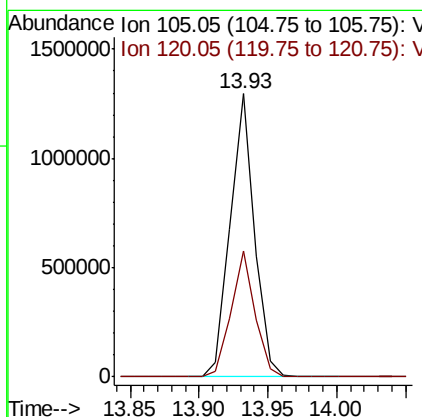
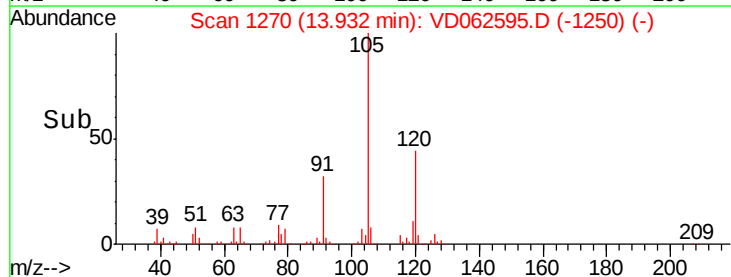
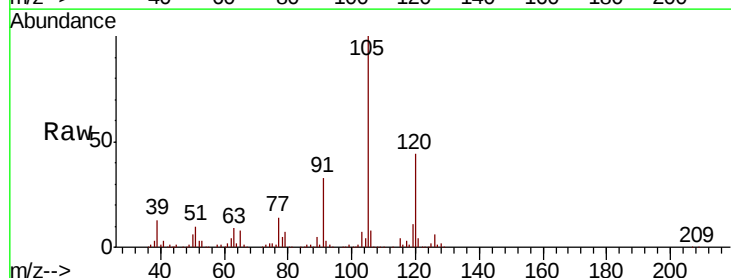
Instrument :
MSVOA_D
ClientSampleId :

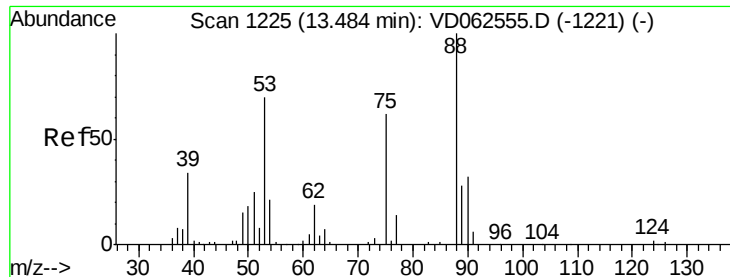
Tot Ion: 91 Resp: 1260273
Ion Ratio Lower Upper
91 100
126 31.0 16.7 50.1



#80
1,3,5-Trimethylbenzene
Concen: 55.862 ug/l
RT: 13.93 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Tgt Ion: 105 Resp: 1585976
Ion Ratio Lower Upper
105 100
120 44.5 20.8 62.5

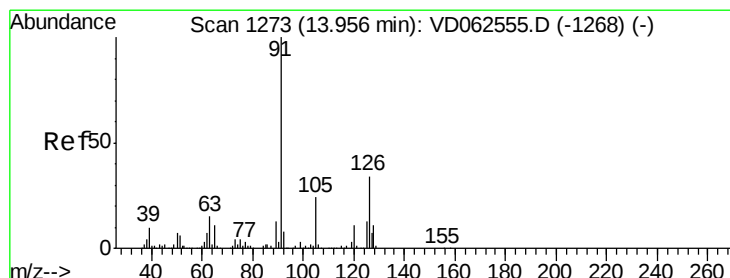
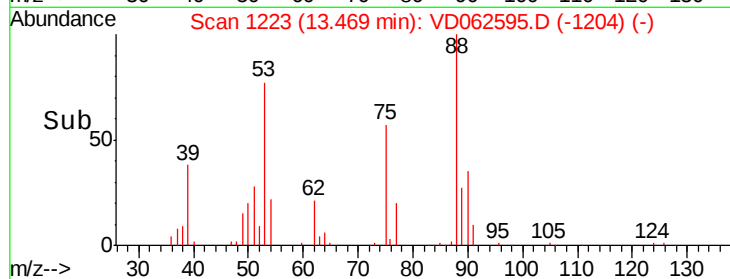
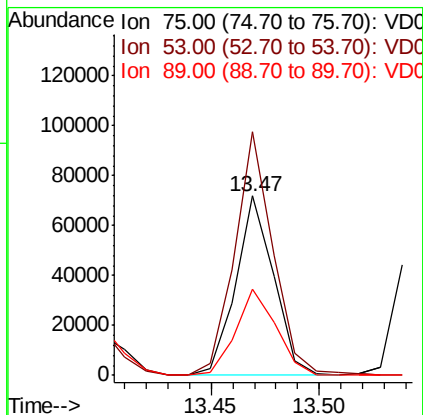
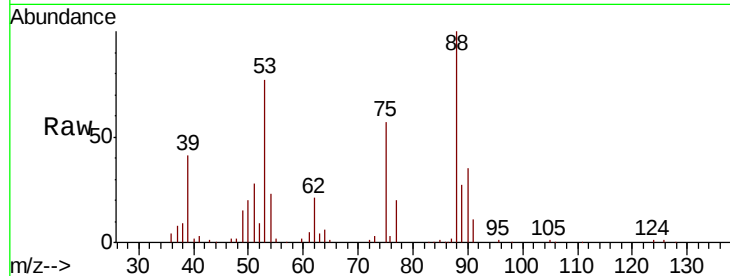




#81
trans-1,4-Dichloro-2-butene
Concen: 51.073 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

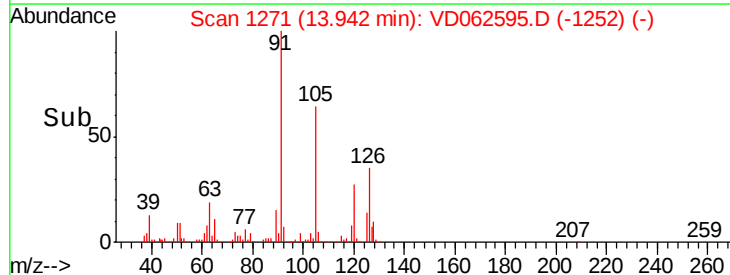
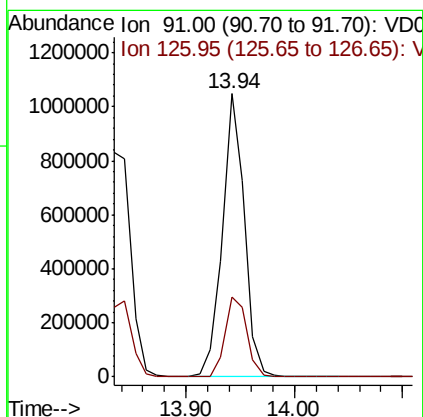
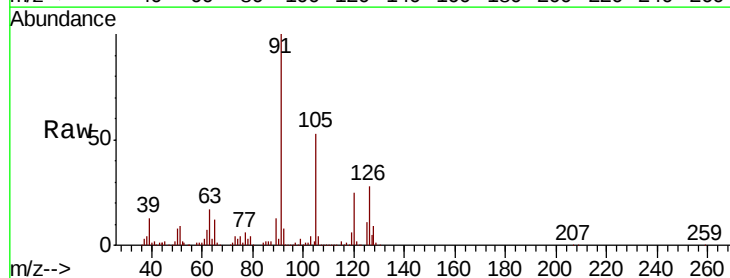
Instrument :
MSVOA_D
ClientSampleId :

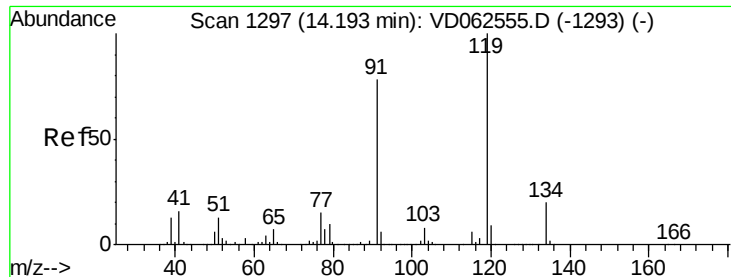
Tot Ion: 75 Resp: 88484
Ion Ratio Lower Upper
75 100
53 135.7 91.0 136.4
89 48.1 36.9 55.3



#82
4-Chlorotoluene
Concen: 55.305 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Tgt Ion: 91 Resp: 1470251
Ion Ratio Lower Upper
91 100
126 28.3 16.9 50.7

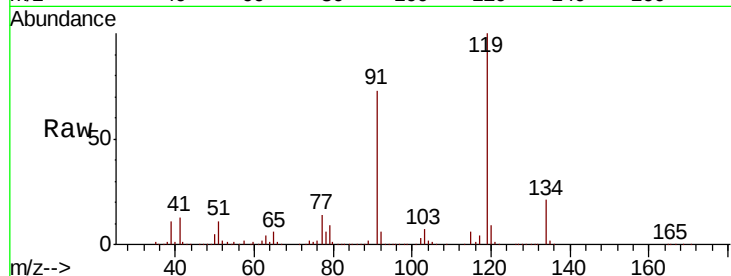




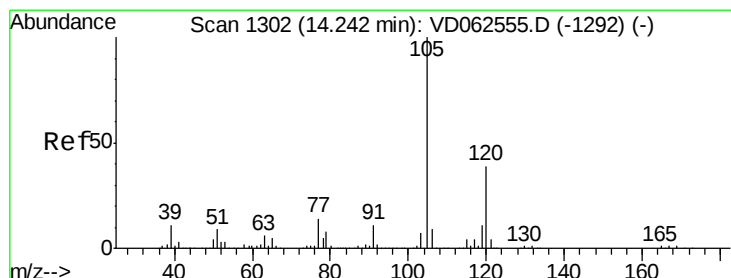
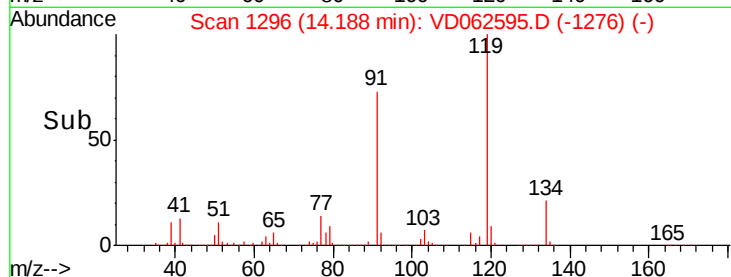
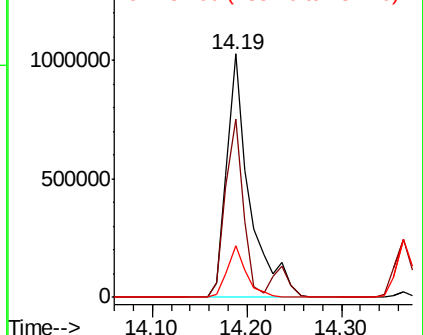
#83
 tert-Butylbenzene
 Concen: 54.297 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. -0.00 min
 Lab File: VD062595.D
 Acq: 3 Jun 2019 19:34

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:119 Resp: 1720105
 Ion Ratio Lower Upper
 119 100
 91 73.4 39.1 117.5
 134 21.1 10.1 30.3

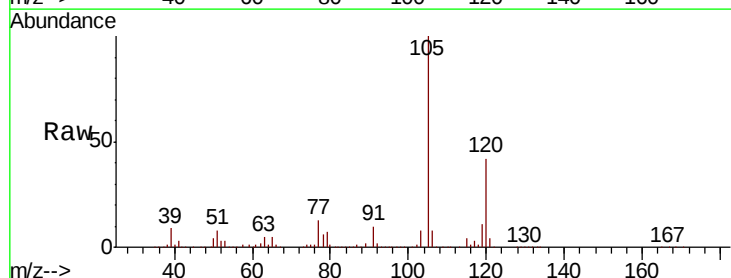


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

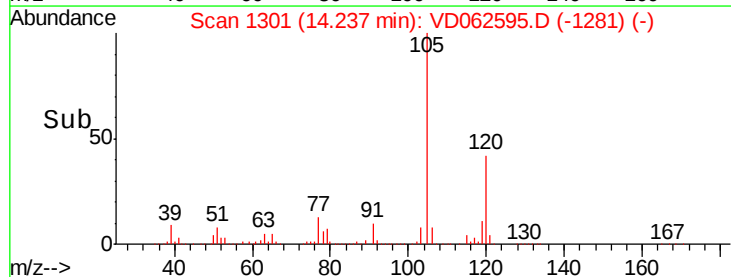
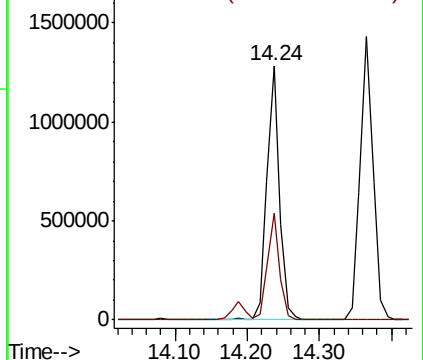


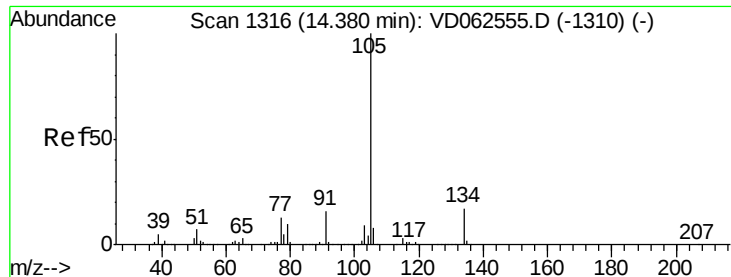
#84
 1,2,4-Trimethylbenzene
 Concen: 54.409 ug/l
 RT: 14.24 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: VD062595.D
 Acq: 3 Jun 2019 19:34

Tgt Ion:105 Resp: 1574040
 Ion Ratio Lower Upper
 105 100
 120 42.2 19.6 58.8



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 52.021 ug/l

RT: 14.37 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Instrument :

MSVOA_D

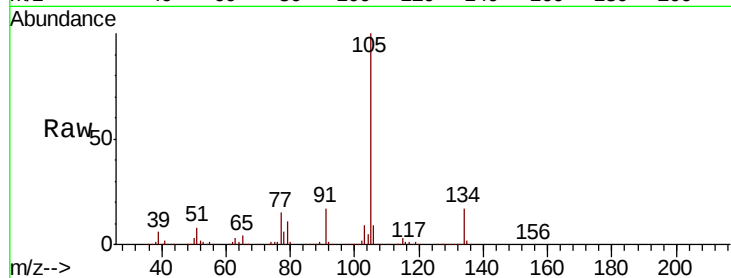
ClientSampleId :

Tot Ion:105 Resp: 1745786

Ion Ratio Lower Upper

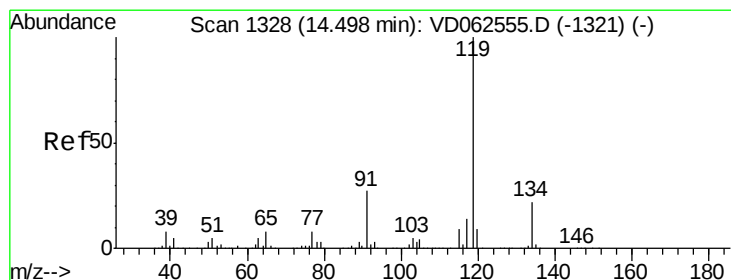
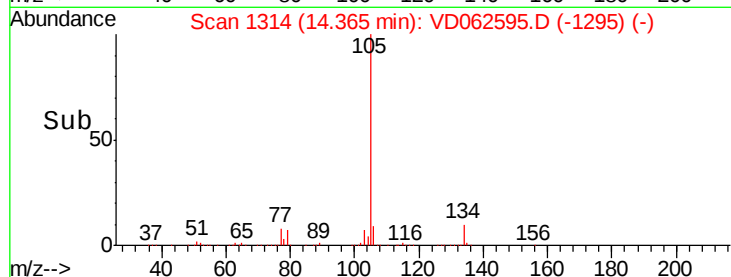
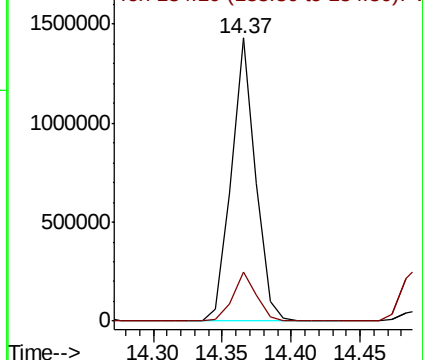
105 100

134 17.2 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 51.667 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

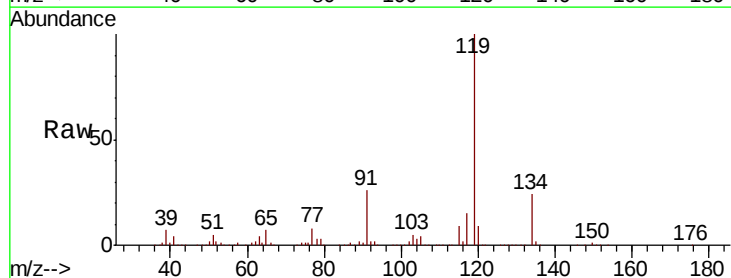
Tgt Ion:119 Resp: 1619941

Ion Ratio Lower Upper

119 100

134 23.9 11.2 33.6

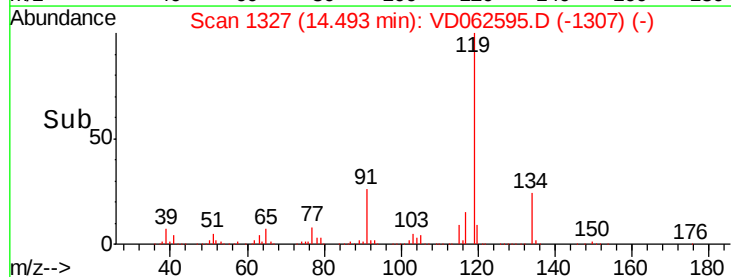
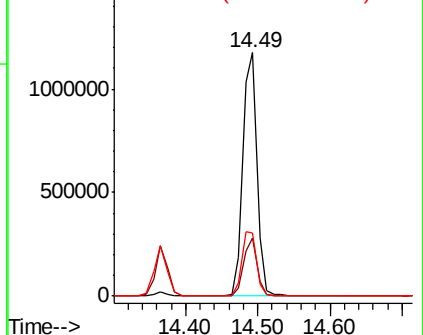
91 25.8 13.6 40.7

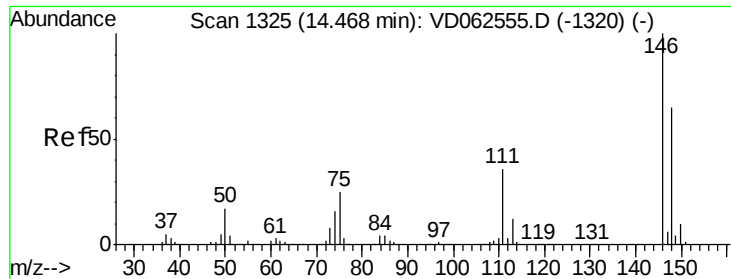


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

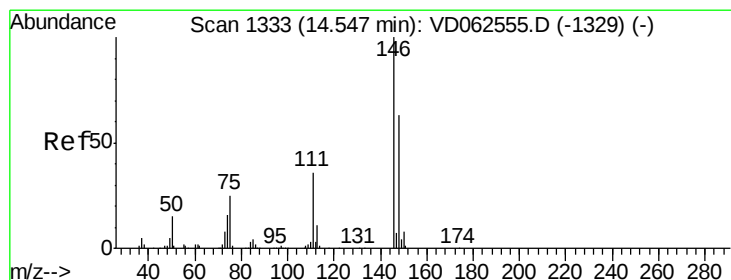
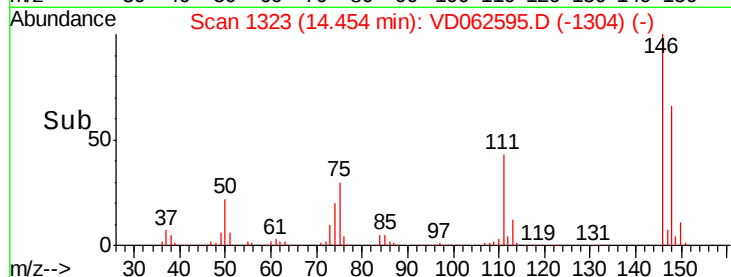
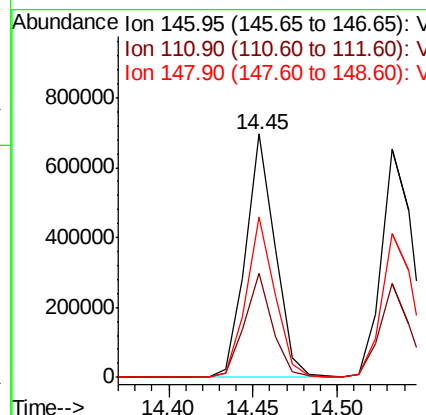
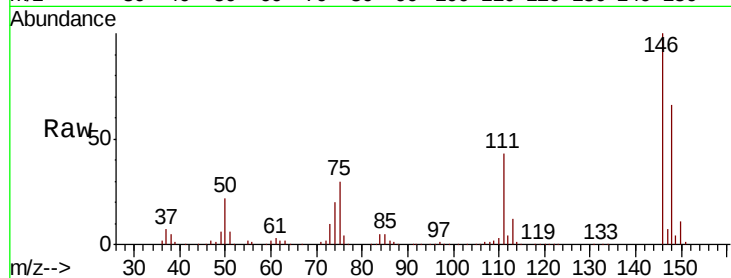




#87
 1,3-Dichlorobenzene
 Concen: 53.616 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062595.D
 Acq: 3 Jun 2019 19:34

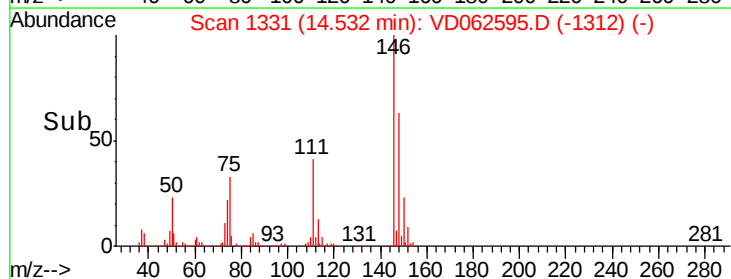
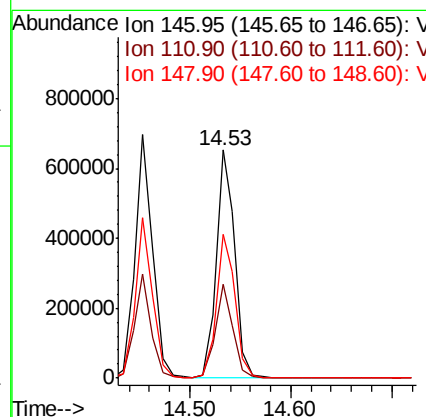
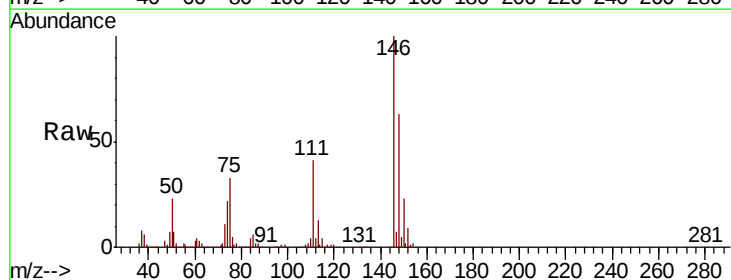
Instrument :
 MSVOA_D
 ClientSampled :

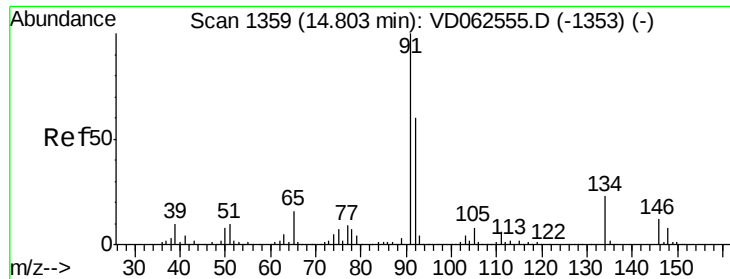
Tot Ion:146 Resp: 846659
 Ion Ratio Lower Upper
 146 100
 111 42.6 18.1 54.4
 148 65.7 32.3 96.9



#88
 1,4-Dichlorobenzene
 Concen: 52.811 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD062595.D
 Acq: 3 Jun 2019 19:34

Tgt Ion:146 Resp: 835716
 Ion Ratio Lower Upper
 146 100
 111 40.9 18.2 54.6
 148 63.0 31.6 94.8

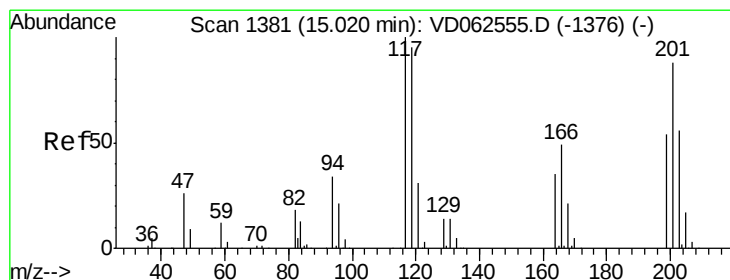
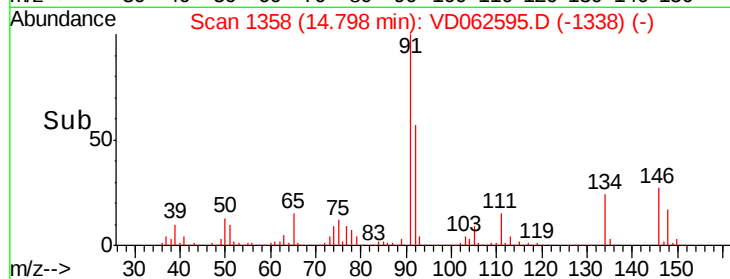
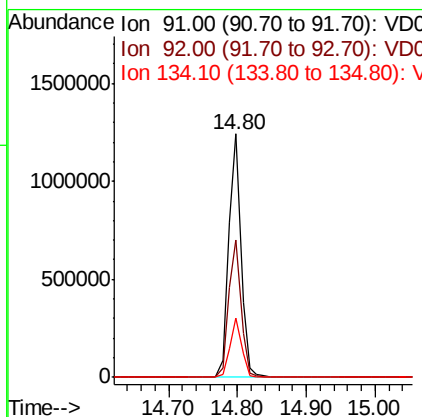
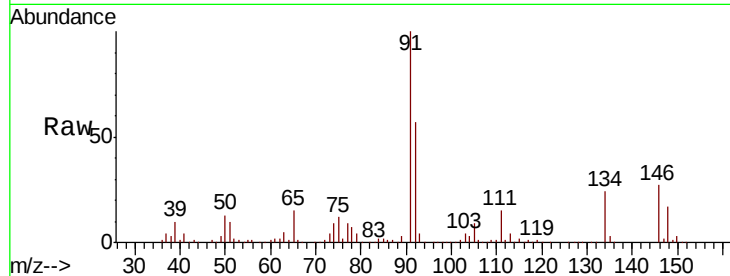




#89
n-Butylbenzene
Concen: 54.531 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

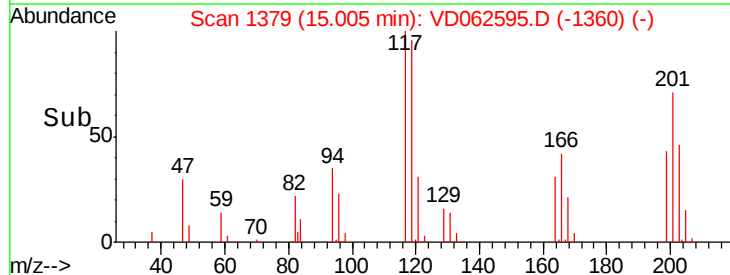
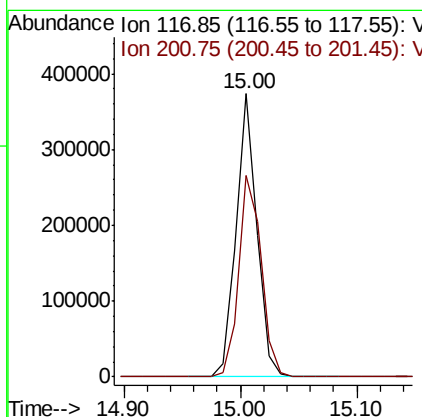
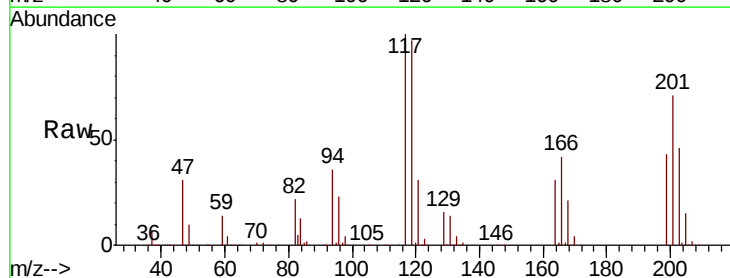
Instrument :
MSVOA_D
ClientSampleId :

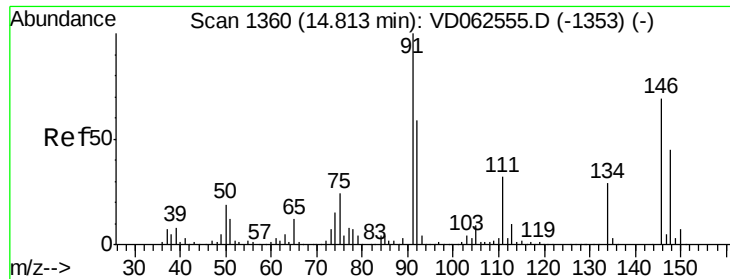
Tot Ion: 91 Resp: 1526252
Ion Ratio Lower Upper
91 100
92 56.7 29.8 89.4
134 24.1 11.3 33.8



#90
Hexachloroethane
Concen: 55.337 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Tgt Ion: 117 Resp: 460301
Ion Ratio Lower Upper
117 100
201 71.1 43.8 131.4





#91

1,2-Dichlorobenzene

Concen: 54.727 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

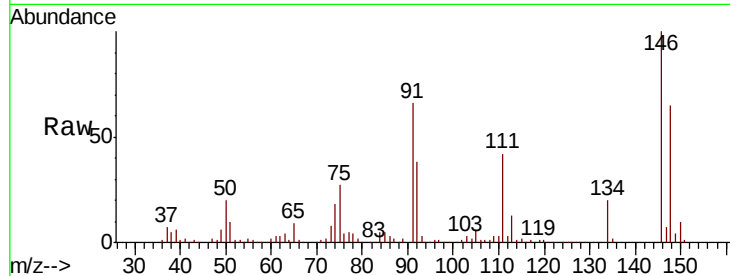
Tot Ion:146 Resp: 726991

Ion Ratio Lower Upper

146 100

111 41.7 22.8 68.4

148 65.0 32.3 96.9

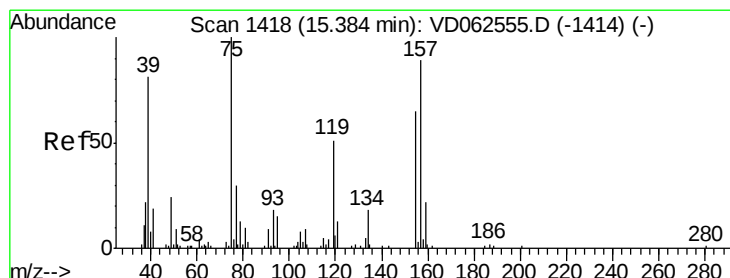
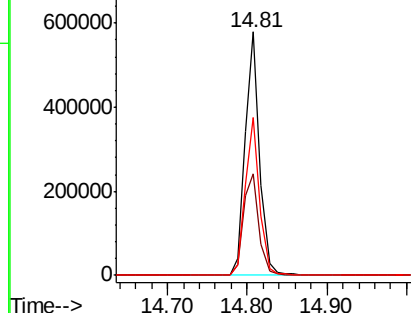
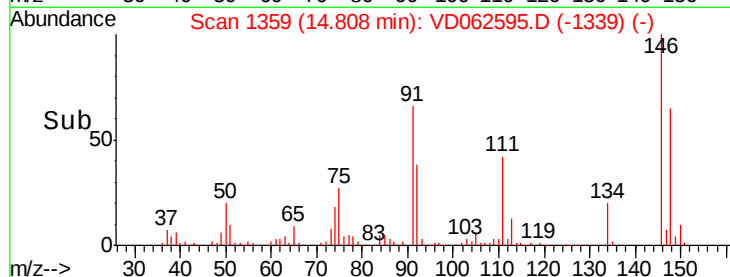


Abundance

Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 59.719 ug/l

RT: 15.38 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VD062595.D

Acq: 3 Jun 2019 19:34

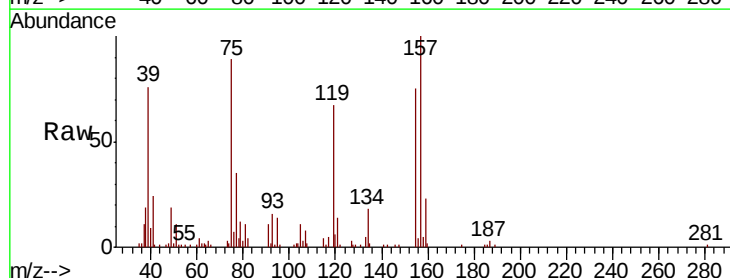
Tgt Ion: 75 Resp: 65250

Ion Ratio Lower Upper

75 100

155 84.4 32.6 97.8

157 112.3 44.5 133.7

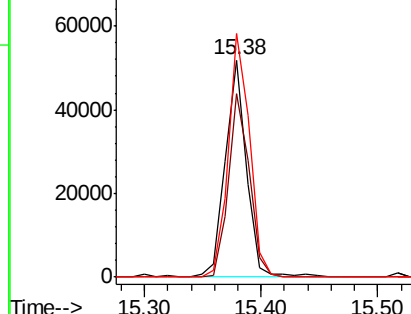
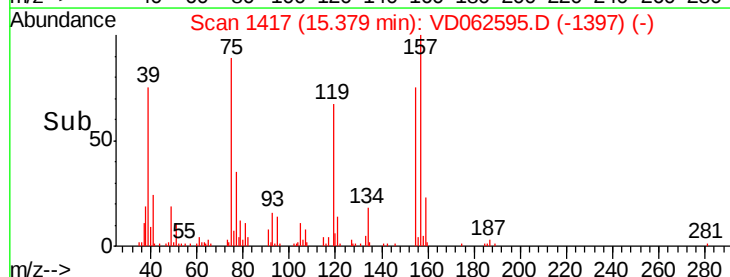


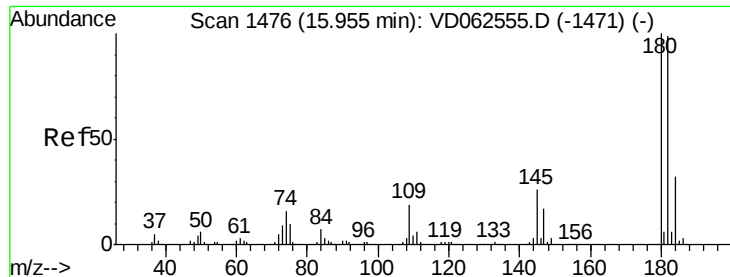
Abundance

Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

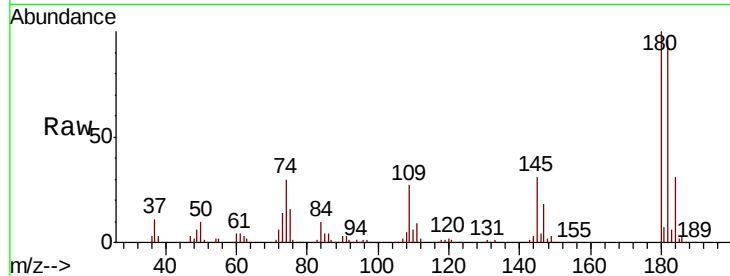




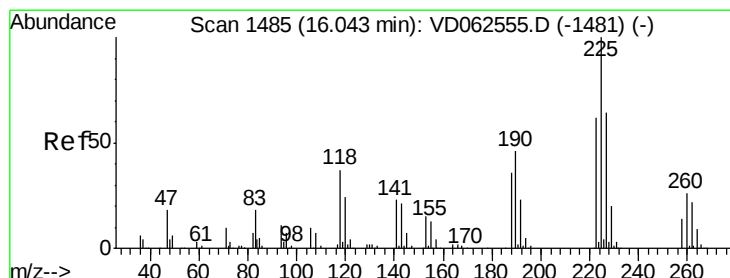
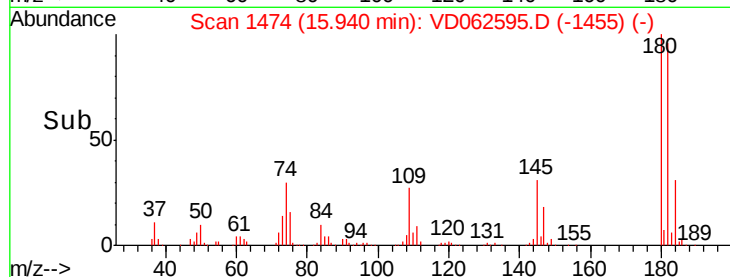
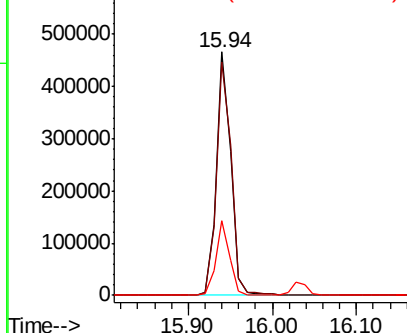
#93
1,2,4-Trichlorobenzene
Concen: 52.396 ug/l
RT: 15.94 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:180 Resp: 556546
Ion Ratio Lower Upper
180 100
182 95.9 49.5 148.3
145 30.7 13.1 39.3

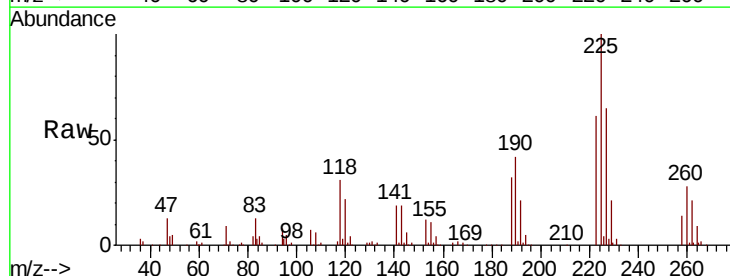


Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

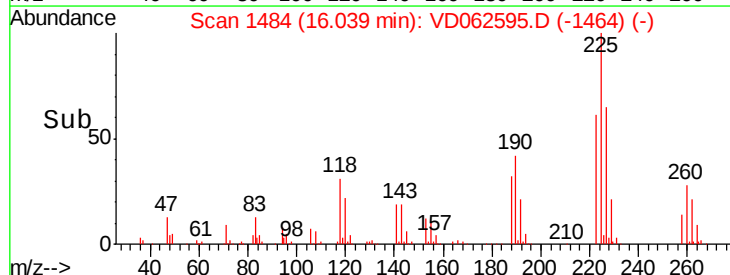
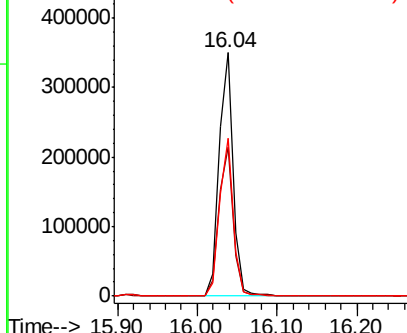


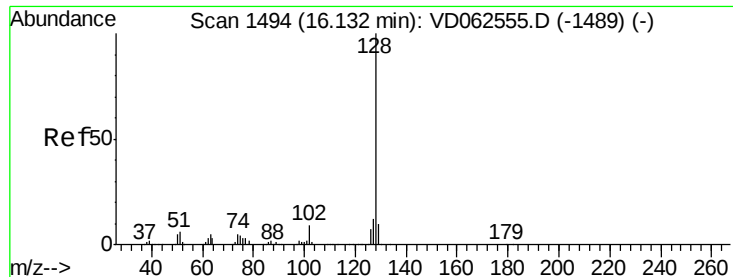
#94
Hexachlorobutadiene
Concen: 55.993 ug/l
RT: 16.04 min Scan# 1484
Delta R.T. -0.00 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Tgt Ion:225 Resp: 439059
Ion Ratio Lower Upper
225 100
223 61.1 31.1 93.5
227 64.6 32.1 96.5



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

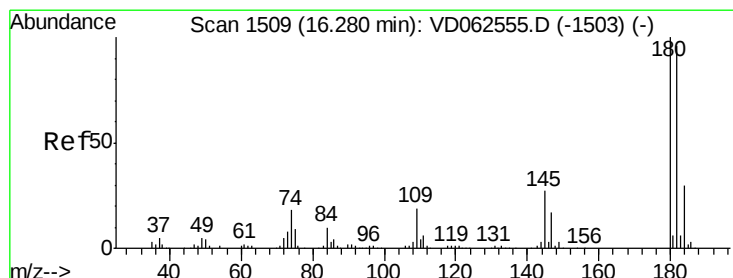
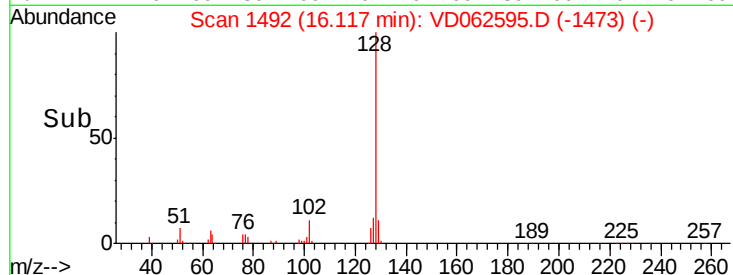
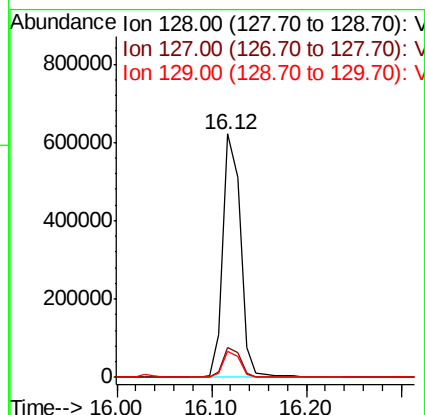
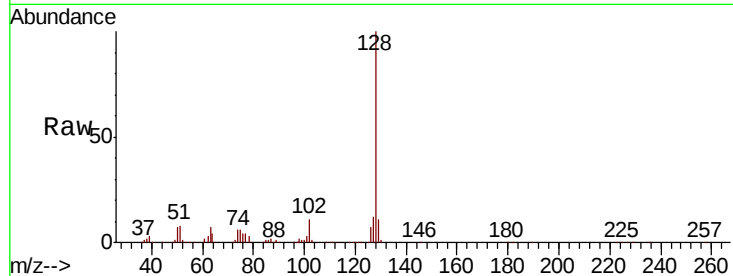




#95
Naphthalene
Concen: 55.657 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 805112
Ion Ratio Lower Upper
128 100
127 12.5 9.7 14.5
129 10.9 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 53.685 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD062595.D
Acq: 3 Jun 2019 19:34

Tgt Ion:180 Resp: 425959
Ion Ratio Lower Upper
180 100
182 98.2 48.1 144.3
145 33.5 13.3 39.9

