

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD053119\
 Data File : VD062578.D
 Acq On : 31 May 2019 21:46
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 31 23:29:55 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	7.06	168	769396	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	982310	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	810150	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	452396	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	510392	56.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.16%	
35) Dibromofluoromethane	6.94	113	511052	57.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.18%	
50) Toluene-d8	10.42	98	1058651	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	
62) 4-Bromofluorobenzene	13.56	95	504100	56.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	406619	45.567	ug/l	91
3) Chloromethane	1.75	50	334681	38.256	ug/l	96
4) Vinyl Chloride	1.85	62	330852	48.537	ug/l	98
5) Bromomethane	2.15	94	187621	84.758	ug/l	93
6) Chloroethane	2.27	64	165255	51.699	ug/l #	88
7) Trichlorofluoromethane	2.54	101	777565	53.978	ug/l	98
8) Diethyl Ether	2.88	74	98457	53.280	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.15	101	432670	50.863	ug/l	92
10) Methyl Iodide	3.31	142	430549	44.606	ug/l	94
11) Tert butyl alcohol	4.08	59	93814	243.809	ug/l #	91
12) 1,1-Dichloroethene	3.14	96	312151	51.872	ug/l	97
13) Acrolein	3.04	56	38451	229.342	ug/l	92
14) Allyl chloride	3.63	41	470851	50.090	ug/l	96
15) Acrylonitrile	4.21	53	234759	255.216	ug/l	96
16) Acetone	3.23	43	425194	239.881	ug/l #	90
17) Carbon Disulfide	3.38	76	926254	47.352	ug/l	98
18) Methyl Acetate	3.65	43	141756	48.999	ug/l	99
19) Methyl tert-butyl Ether	4.24	73	756331	51.883	ug/l	100
20) Methylene Chloride	3.82	84	302422	46.091	ug/l	97
21) trans-1,2-Dichloroethene	4.23	96	348997	51.104	ug/l	96
22) Diisopropyl ether	5.14	45	994161	51.770	ug/l	96
23) Vinyl Acetate	5.07	43	2962504	254.384	ug/l #	95
24) 1,1-Dichloroethane	4.99	63	625391	50.465	ug/l	97
25) 2-Butanone	6.08	43	416347	249.406	ug/l	95
26) 2,2-Dichloropropane	6.03	77	684695	49.803	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	359208	51.171	ug/l	91
28) Bromochloromethane	6.45	49	224195	52.355	ug/l	98
29) Tetrahydrofuran	6.47	42	197253	263.783	ug/l	97
30) Chloroform	6.67	83	782899	52.427	ug/l	97
31) Cyclohexane	6.97	56	419123	50.023	ug/l	93
32) 1,1,1-Trichloroethane	6.88	97	847369	54.524	ug/l	97
36) 1,1-Dichloropropene	7.15	75	545237	55.758	ug/l	92
37) Ethyl Acetate	6.20	43	205699	49.896	ug/l #	95
38) Carbon Tetrachloride	7.13	117	932510	64.052	ug/l	92

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	470129	56.786	ug/l	96
40) Benzene	7.46	78	1068689	55.683	ug/l	97
41) Methacrylonitrile	6.46	41	276372	56.969	ug/l	97
42) 1,2-Dichloroethane	7.59	62	596223	55.771	ug/l	95
43) Isopropyl Acetate	9.25	43	288111	56.152	ug/l #	98
44) Trichloroethene	8.55	130	414617	54.076	ug/l	99
45) 1,2-Dichloropropane	8.95	63	252671	53.699	ug/l	95
46) Dibromomethane	9.06	93	225399	57.030	ug/l	97
47) Bromodichloromethane	9.39	83	641525	58.911	ug/l	99
48) Methyl methacrylate	9.13	41	209791	61.389	ug/l	98
49) 1,4-Dioxane	9.08	88	32891	1184.929	ug/l	98
51) 4-Methyl-2-Pentanone	10.31	43	1001869	279.874	ug/l	99
52) Toluene	10.51	92	723990	55.310	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	514774	55.950	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	534471	55.875	ug/l	97
55) 1,1,2-Trichloroethane	11.20	97	234615	54.588	ug/l	91
56) Ethyl methacrylate	11.05	69	264268	57.688	ug/l	92
57) 1,3-Dichloropropane	11.42	76	400184	60.399	ug/l	90
58) 2-Chloroethyl Vinyl ether	9.86	63	634150	269.916	ug/l	97
59) 2-Hexanone	11.54	43	732210	291.614	ug/l	98
60) Dibromochloromethane	11.69	129	478734	57.318	ug/l	95
61) 1,2-Dibromoethane	11.81	107	288347	55.770	ug/l	95
64) Tetrachloroethene	11.26	164	372471	52.009	ug/l	97
65) Chlorobenzene	12.40	112	860354	54.513	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.52	131	420681	56.361	ug/l	95
67) Ethyl Benzene	12.53	91	1596145	55.199	ug/l	98
68) m/p-Xylenes	12.68	106	1087393	108.707	ug/l	100
69) o-Xylene	13.05	106	494807	51.854	ug/l	82
70) Styrene	13.08	104	866670	53.491	ug/l	99
71) Bromoform	13.24	173	300771	57.403	ug/l #	94
73) Isopropylbenzene	13.41	105	1609289	53.958	ug/l	98
74) N-amyl acetate	13.27	43	448178	58.935	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	275400	58.224	ug/l	93
76) 1,2,3-Trichloropropane	13.74	75	306971	56.559	ug/l	98
77) Bromobenzene	13.67	156	457535	55.951	ug/l	79
78) n-propylbenzene	13.78	91	1866278	54.288	ug/l	98
79) 2-Chlorotoluene	13.85	91	1122151	56.296	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	1369941	53.755	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	77306	49.708	ug/l #	84
82) 4-Chlorotoluene	13.95	91	1372666	57.522	ug/l	91
83) tert-Butylbenzene	14.19	119	1446915	50.881	ug/l	100
84) 1,2,4-Trimethylbenzene	14.24	105	1335521	51.427	ug/l	99
85) sec-Butylbenzene	14.37	105	1610459	53.460	ug/l	98
86) p-Isopropyltoluene	14.50	119	1637191	58.171	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	835741	58.959	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	740924	52.159	ug/l	97
89) n-Butylbenzene	14.80	91	1350096	53.737	ug/l	96
90) Hexachloroethane	15.01	117	422869	56.633	ug/l	83
91) 1,2-Dichlorobenzene	14.81	146	638892	53.578	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	60815	62.005	ug/l	80

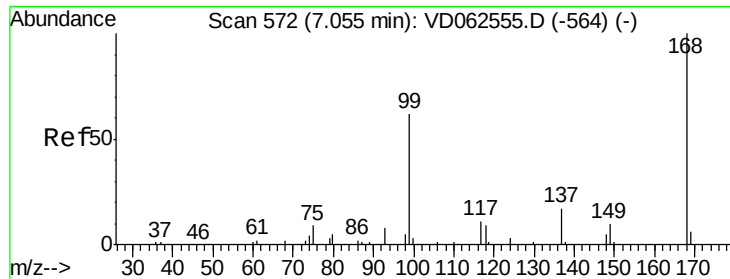
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD053119\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	512235	53.723	ug/l	94
94) Hexachlorobutadiene	16.04	225	389614	55.353	ug/l	97
95) Naphthalene	16.12	128	689891	53.129	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	356265	50.020	ug/l	95

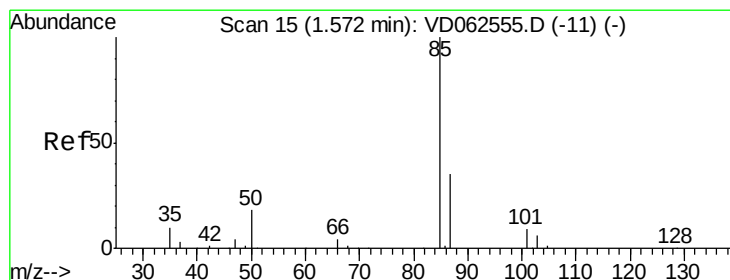
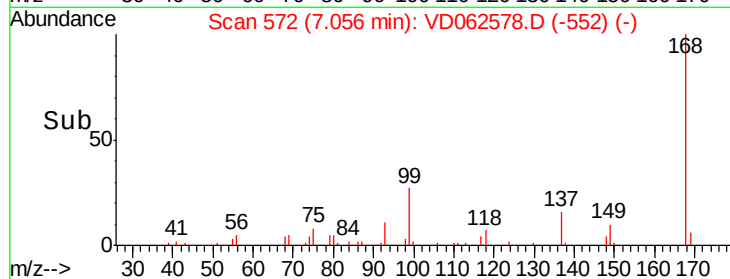
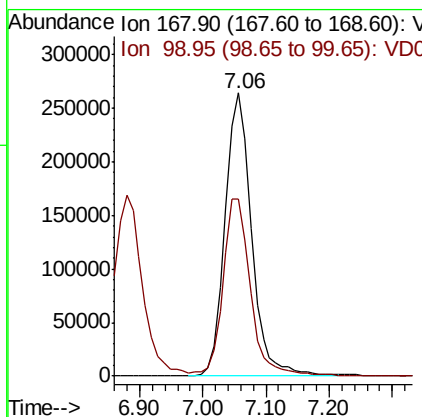
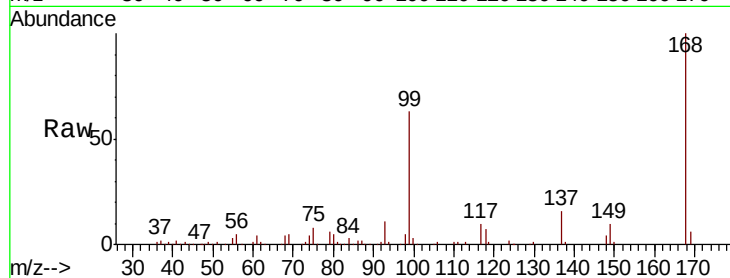
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.00 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

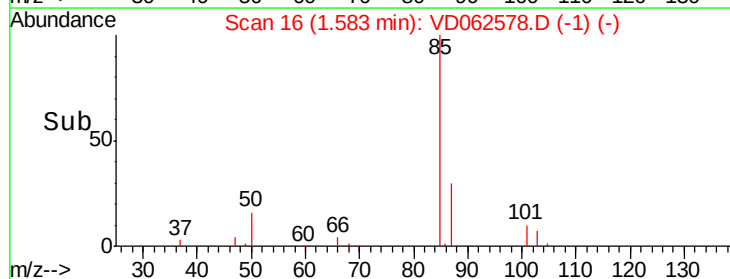
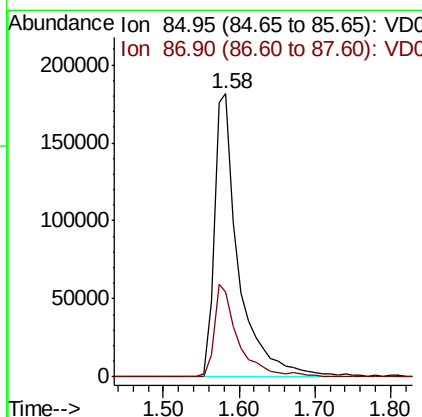
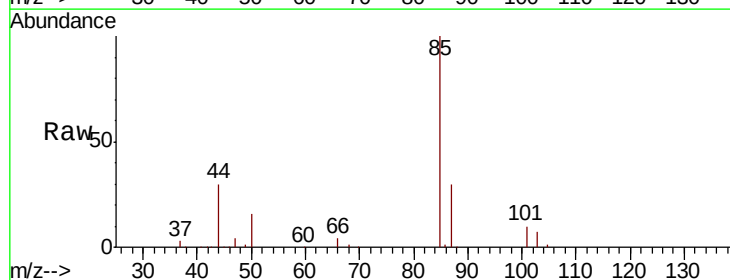
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

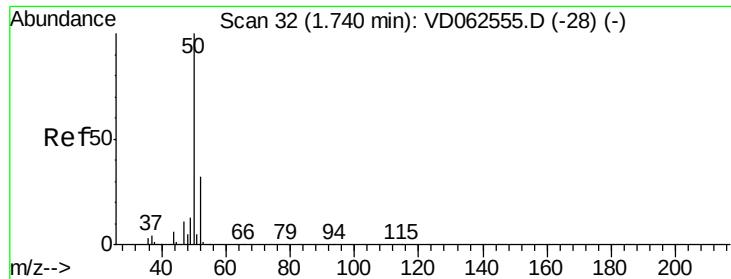
Tot Ion:168 Resp: 769396
Ion Ratio Lower Upper
168 100
99 62.6 50.8 76.2



#2
Dichlorodifluoromethane
Concen: 45.567 ug/l
RT: 1.58 min Scan# 16
Delta R.T. 0.01 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

Tgt Ion: 85 Resp: 406619
Ion Ratio Lower Upper
85 100
87 30.1 17.5 52.6





#3

Chloromethane

Concen: 38.256 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

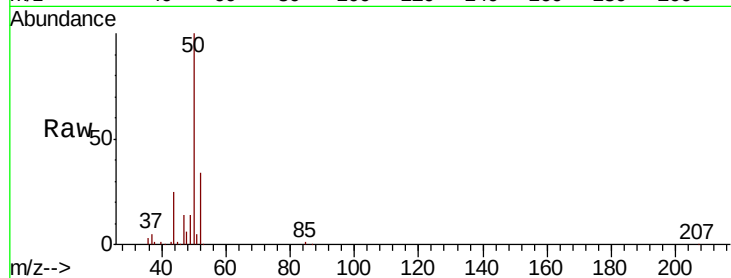
VSTDCCC050EC

Tot Ion: 50 Resp: 334681

Ion Ratio Lower Upper

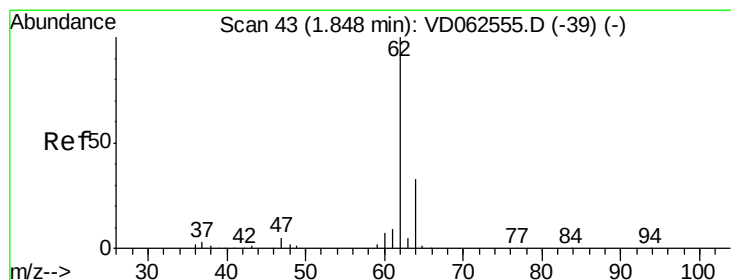
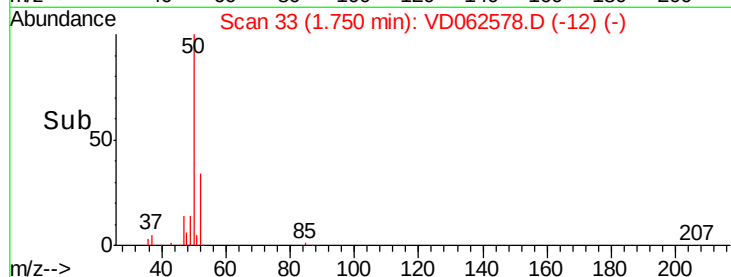
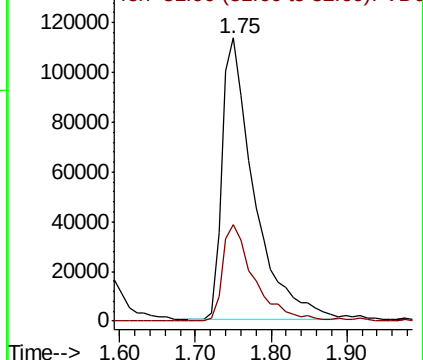
50 100

52 34.1 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: 48.537 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.00 min

Lab File: VD062578.D

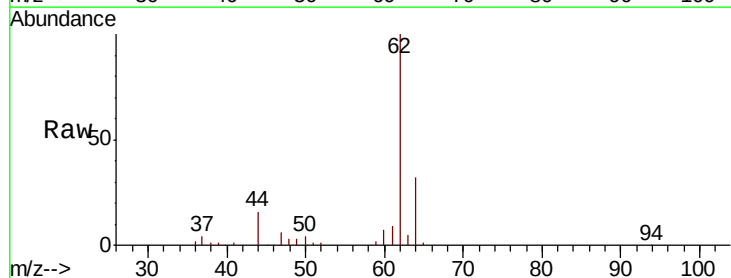
Acq: 31 May 2019 21:46

Tgt Ion: 62 Resp: 330852

Ion Ratio Lower Upper

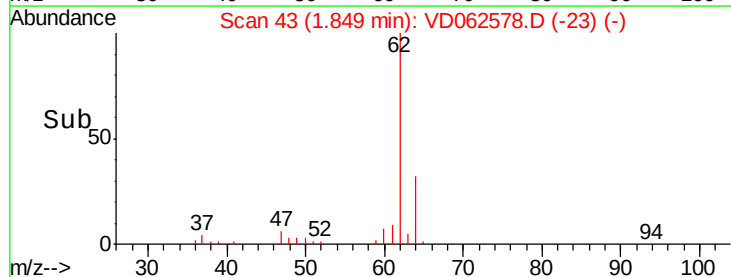
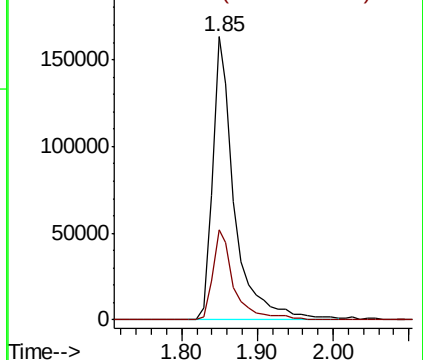
62 100

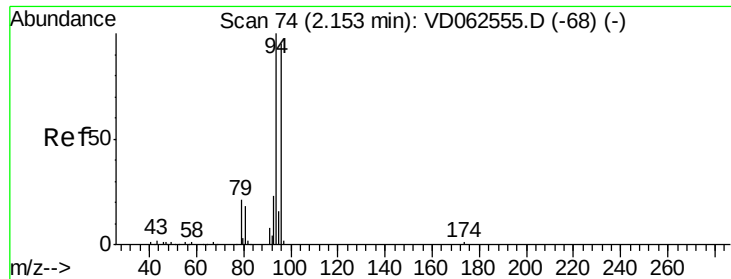
64 32.0 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 84.758 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

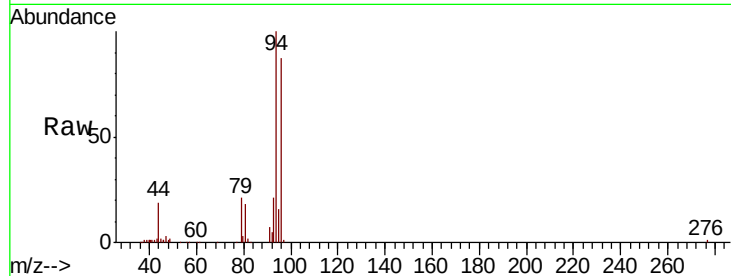
Tot Ion: 94 Resp: 187621

Ion Ratio Lower Upper

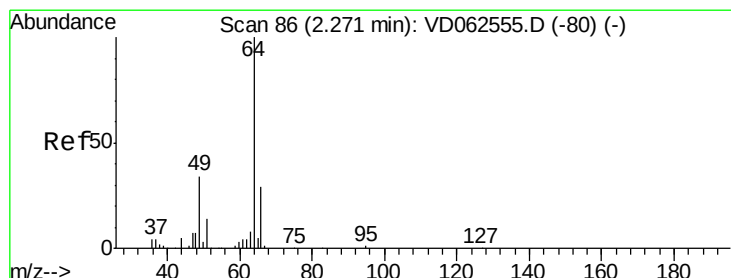
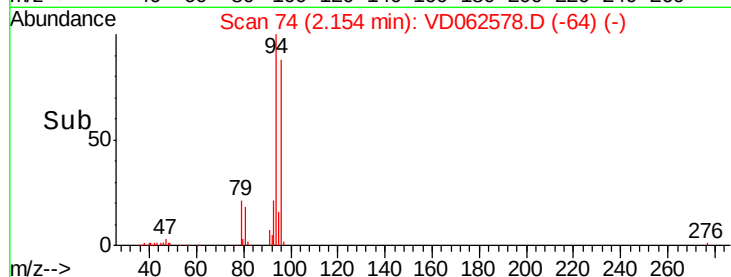
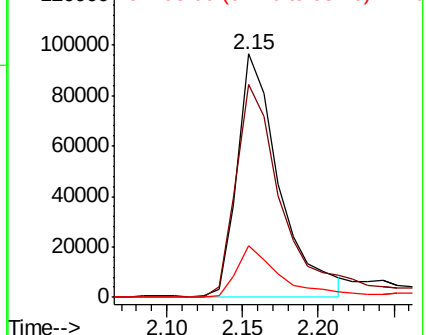
94 100

96 87.2 76.2 114.4

93 21.4 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: 51.699 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.00 min

Lab File: VD062578.D

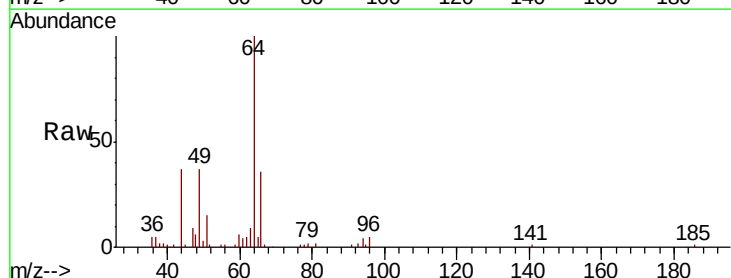
Acq: 31 May 2019 21:46

Tgt Ion: 64 Resp: 165255

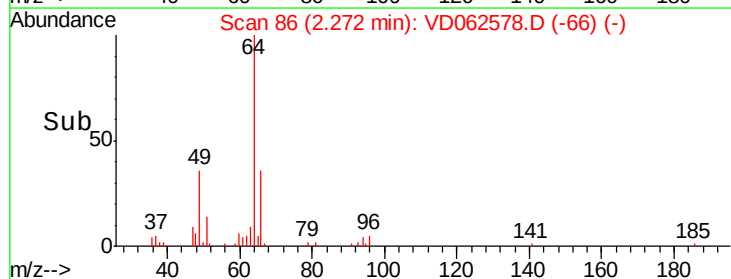
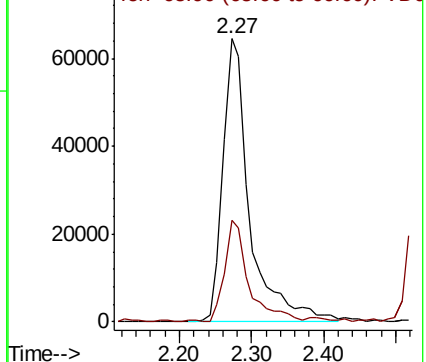
Ion Ratio Lower Upper

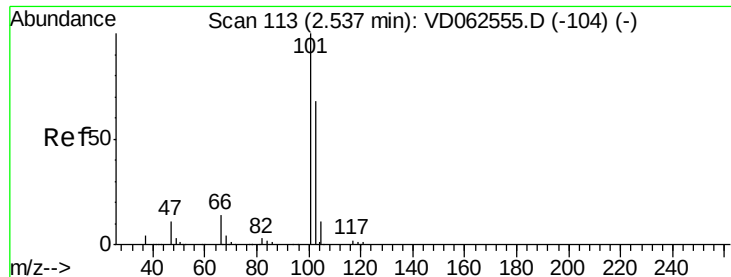
64 100

66 36.0 23.4 35.2#



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



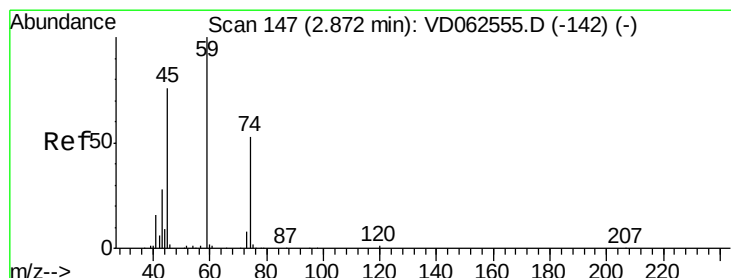
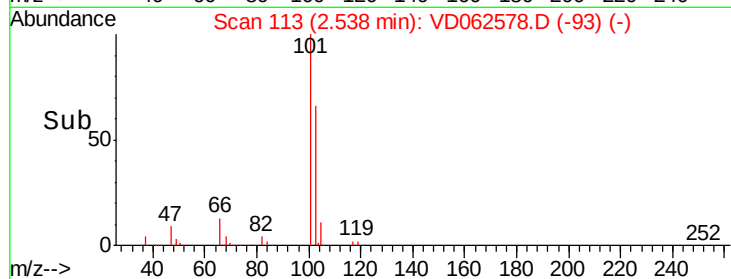
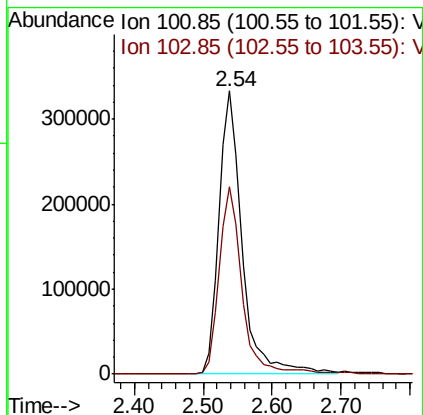
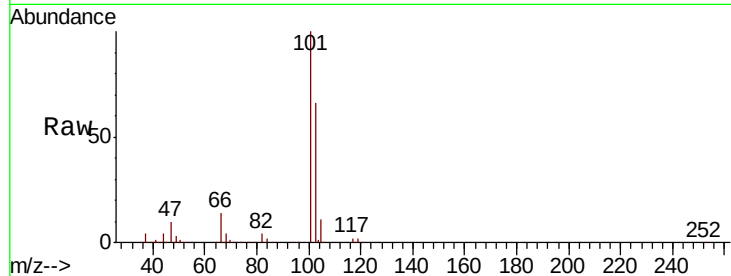


#7

Trichlorofluoromethane
 Concen: 53.978 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. 0.00 min
 Lab File: VD062578.D
 Acq: 31 May 2019 21:46

Instrument :
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 VSTDCCC050EC

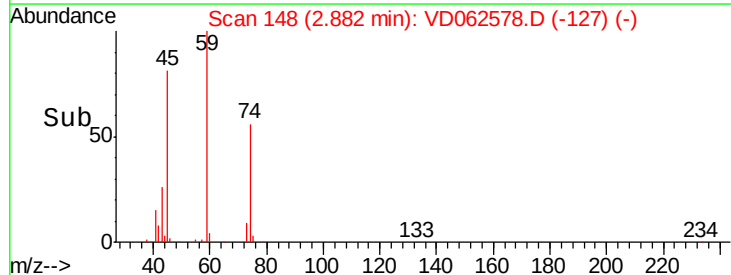
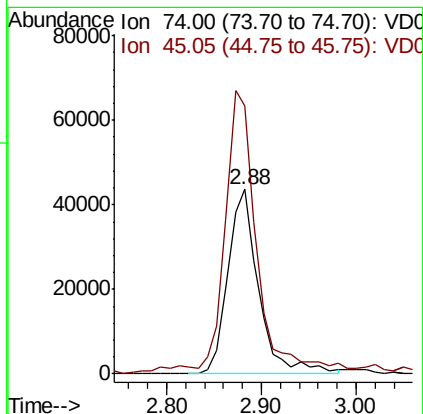
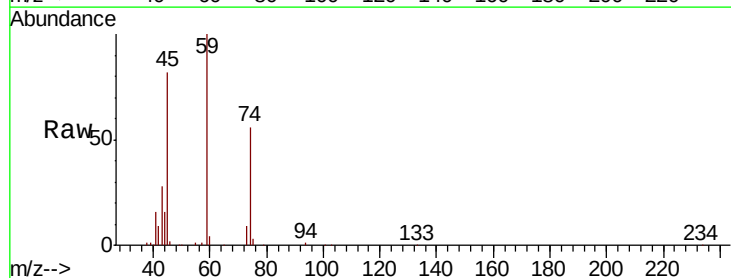
Tot Ion:101 Resp: 777565
 Ion Ratio Lower Upper
 101 100
 103 66.0 54.3 81.5

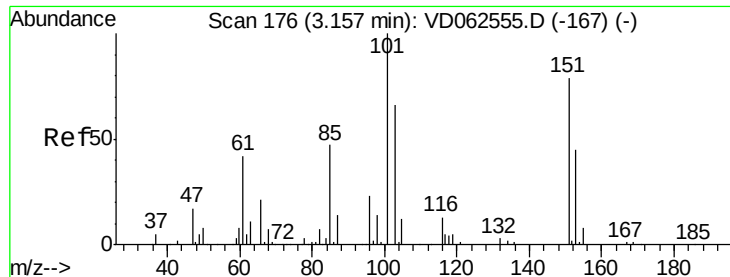


#8

Diethyl Ether
 Concen: 53.280 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.01 min
 Lab File: VD062578.D
 Acq: 31 May 2019 21:46

Tgt Ion: 74 Resp: 98457
 Ion Ratio Lower Upper
 74 100
 45 145.1 71.9 215.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.863 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

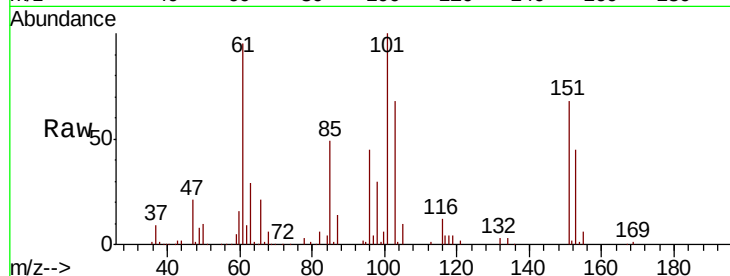
Tot Ion:101 Resp: 432670

Ion Ratio Lower Upper

101 100

85 48.7 37.6 56.4

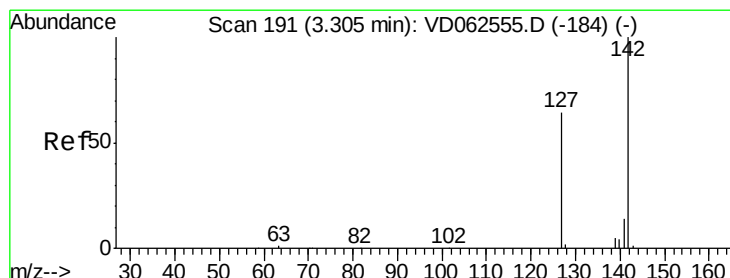
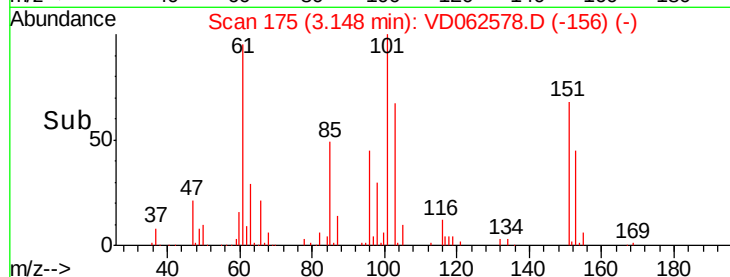
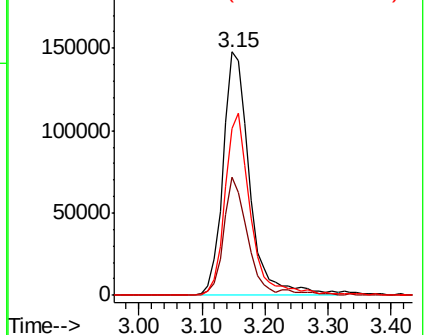
151 68.3 63.0 94.4



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: 44.606 ug/l

RT: 3.31 min Scan# 191

Delta R.T. 0.00 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

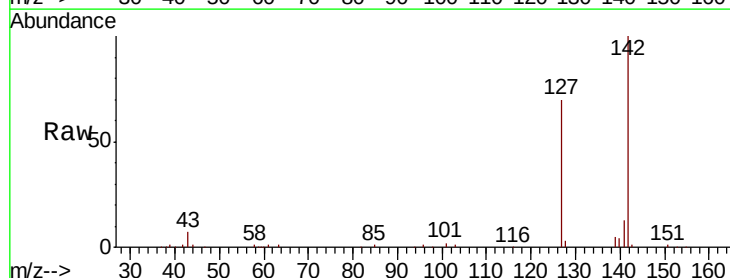
Tgt Ion:142 Resp: 430549

Ion Ratio Lower Upper

142 100

127 69.6 51.2 76.8

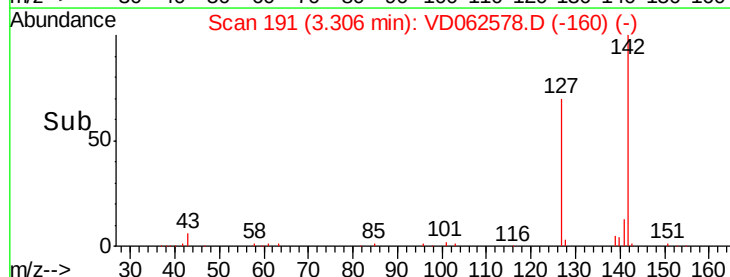
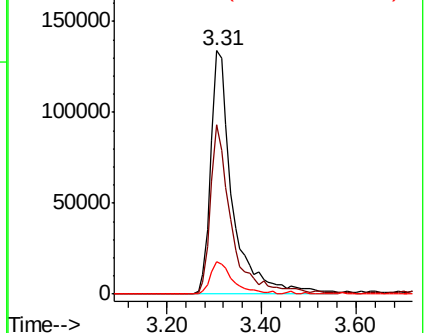
141 13.1 11.0 16.4

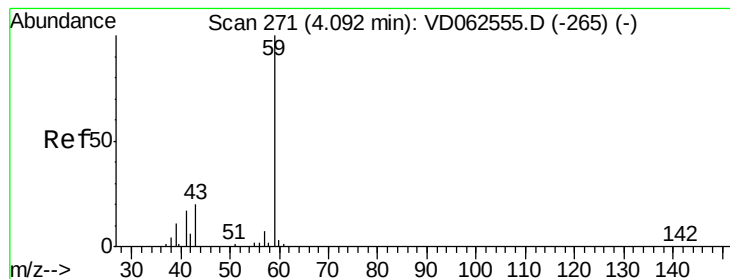


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



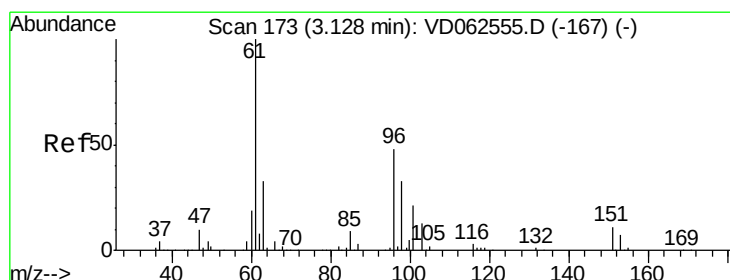
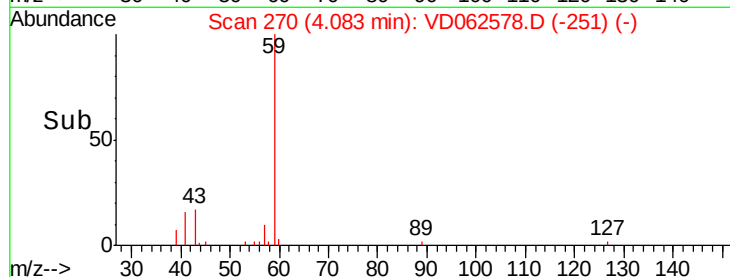
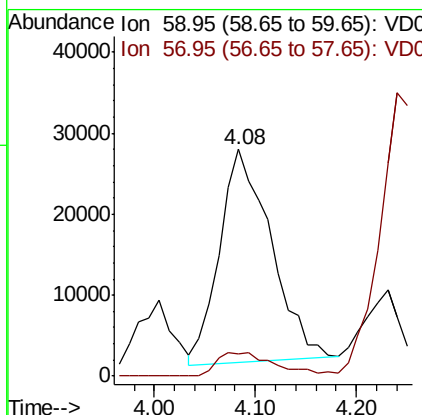
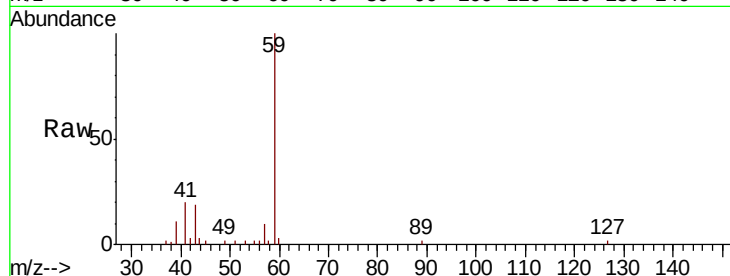


#11

Tert butyl alcohol
 Concen: 243.809 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. -0.01 min
 Lab File: VD062578.D
 Acq: 31 May 2019 21:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

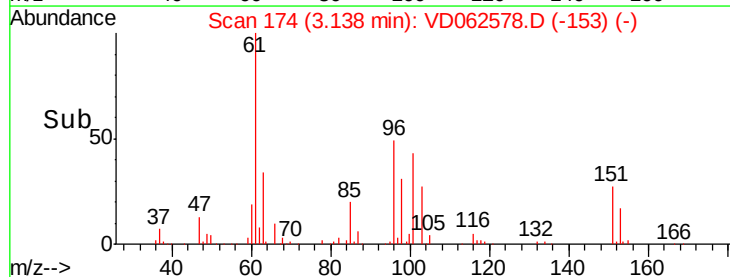
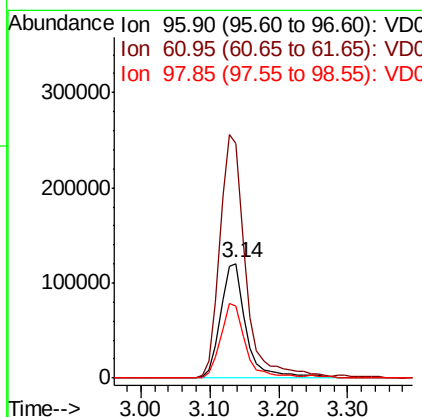
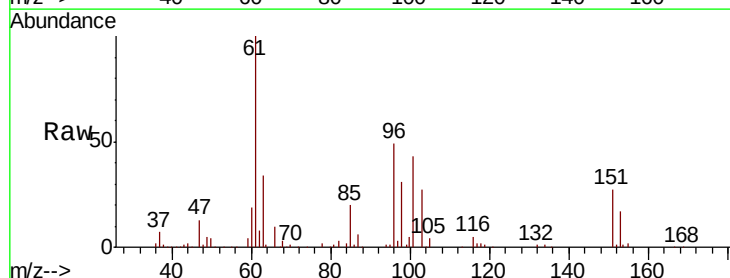
Tot Ion: 59 Resp: 93814
 Ion Ratio Lower Upper
 59 100
 57 9.7 5.4 8.0#

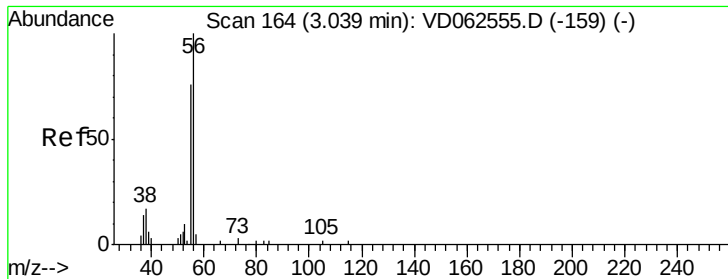


#12

1,1-Dichloroethene
 Concen: 51.872 ug/l
 RT: 3.14 min Scan# 174
 Delta R.T. 0.01 min
 Lab File: VD062578.D
 Acq: 31 May 2019 21:46

Tgt Ion: 96 Resp: 312151
 Ion Ratio Lower Upper
 96 100
 61 205.2 166.6 250.0
 98 63.4 54.4 81.6





#13

Acrolein

Concen: 229.342 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

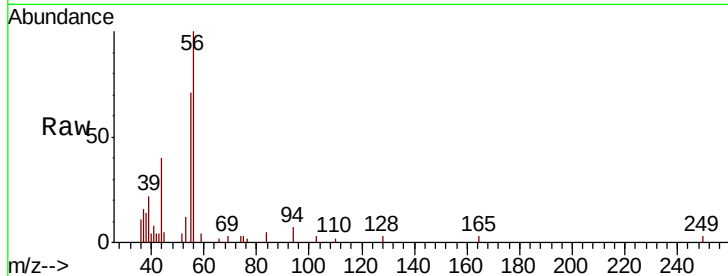
VSTDCCC050EC

Tot Ion: 56 Resp: 38451

Ion Ratio Lower Upper

56 100

55 71.3 62.6 93.8



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.04

15000

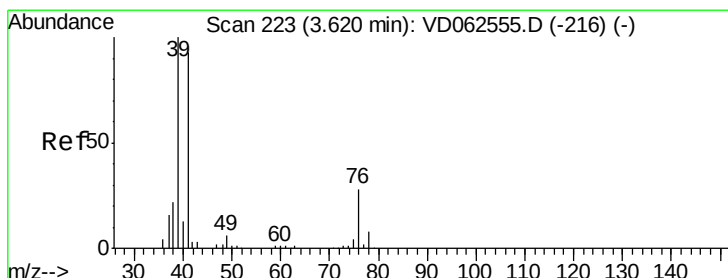
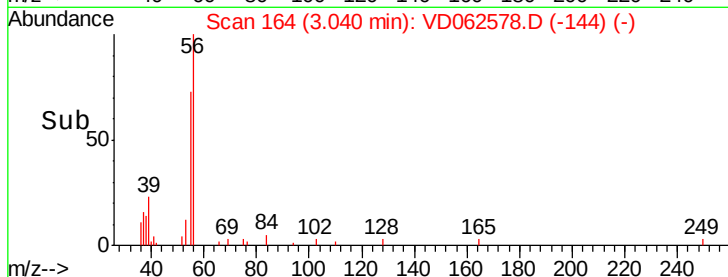
10000

5000

0

Time-->

2.90 3.00 3.10 3.20



#14

Allyl chloride

Concen: 50.090 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.01 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

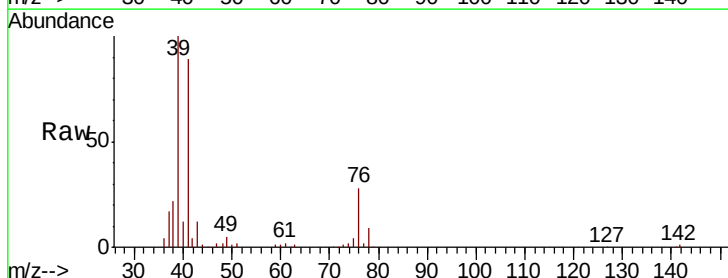
Tgt Ion: 41 Resp: 470851

Ion Ratio Lower Upper

41 100

39 112.5 86.3 129.5

76 31.2 25.5 38.3



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

250000

200000

150000

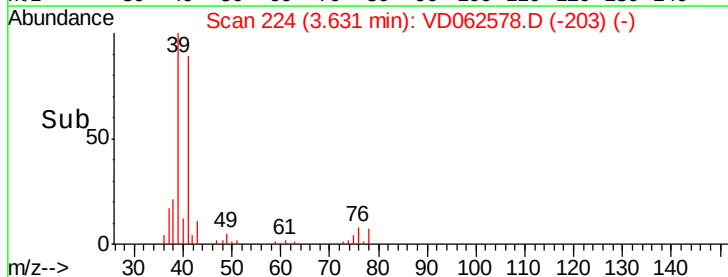
100000

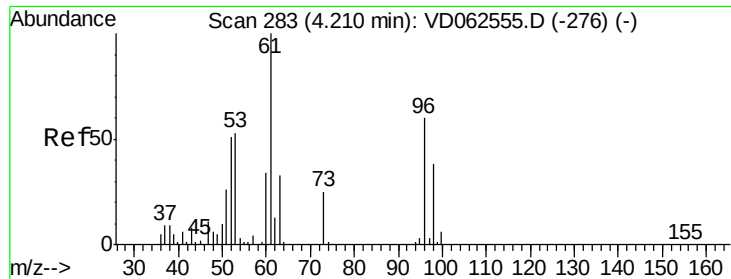
50000

0

Time-->

3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 255.216 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.00 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

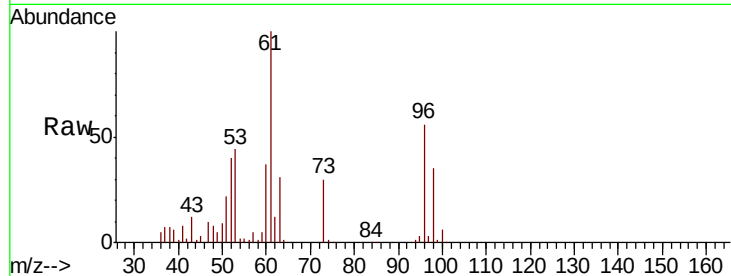
Tot Ion: 53 Resp: 234759

Ion Ratio Lower Upper

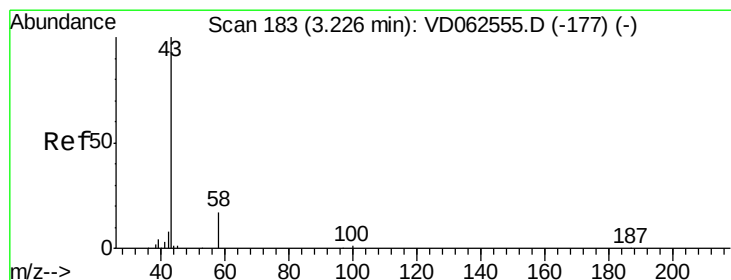
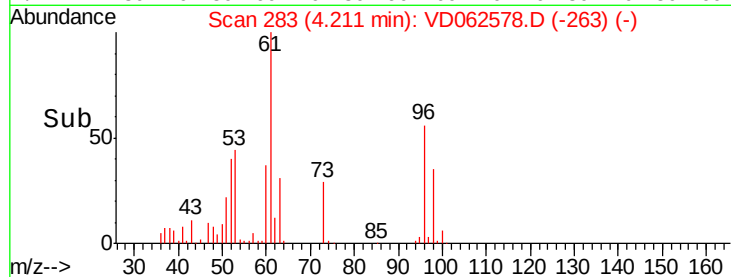
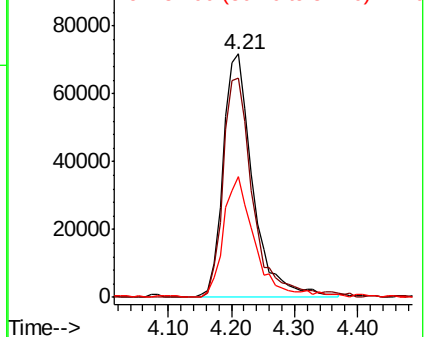
53 100

52 90.0 76.2 114.2

51 49.7 40.2 60.4



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 239.881 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD062578.D

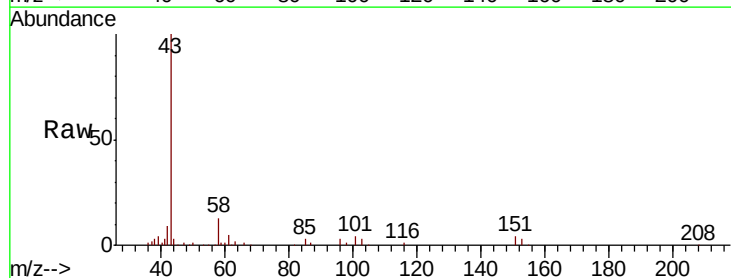
Acq: 31 May 2019 21:46

Tgt Ion: 43 Resp: 425194

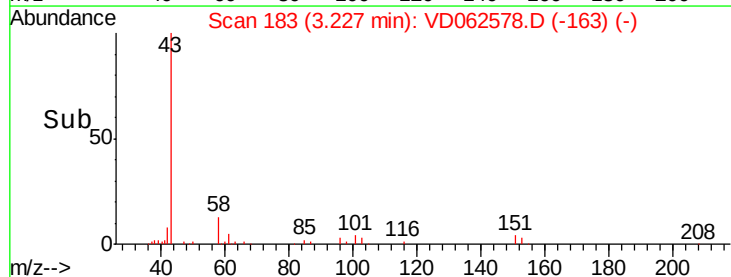
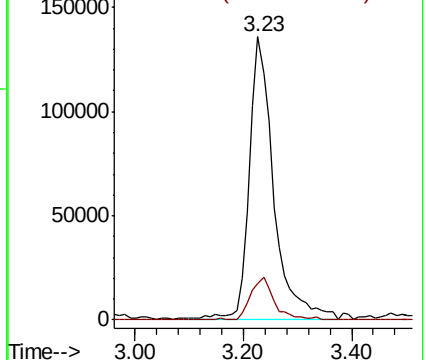
Ion Ratio Lower Upper

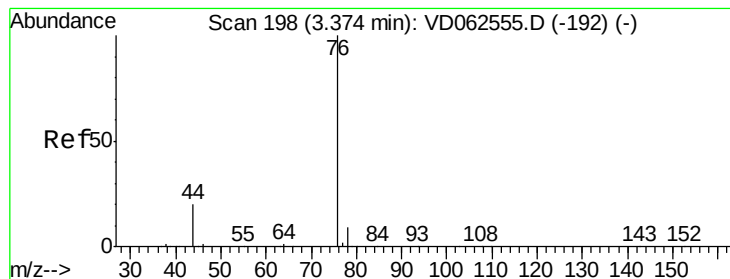
43 100

58 12.8 13.8 20.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 47.352 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.01 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

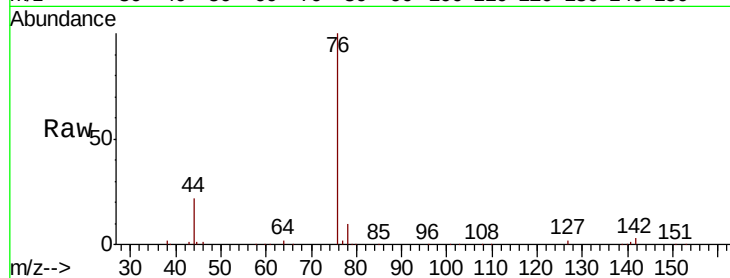
VSTDCCC050EC

Tot Ion: 76 Resp: 926254

Ion Ratio Lower Upper

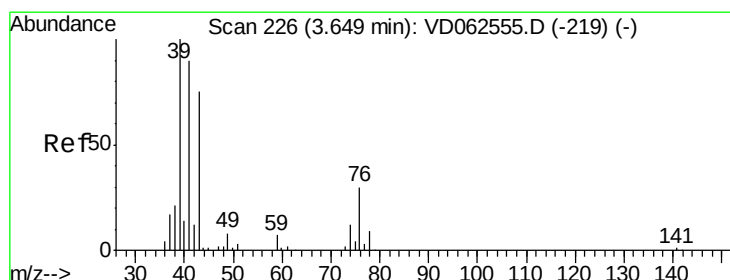
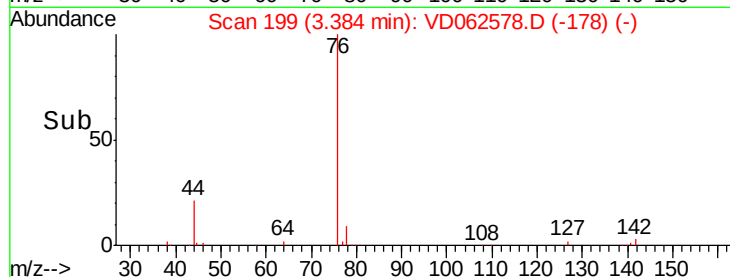
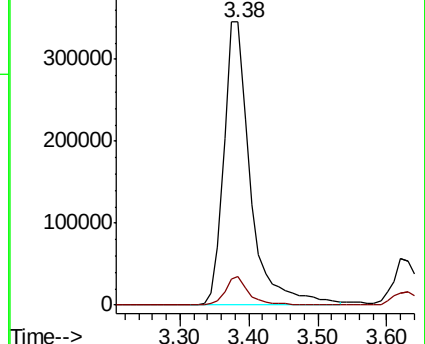
76 100

78 9.9 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: 48.999 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.00 min

Lab File: VD062578.D

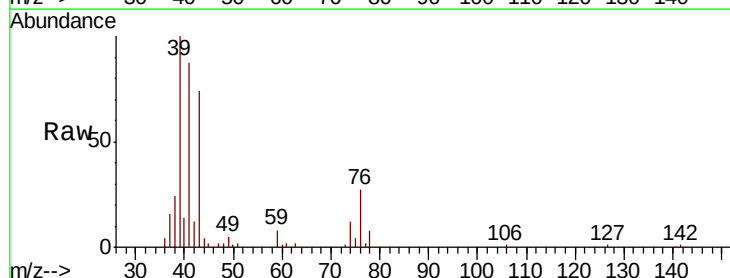
Acq: 31 May 2019 21:46

Tgt Ion: 43 Resp: 141756

Ion Ratio Lower Upper

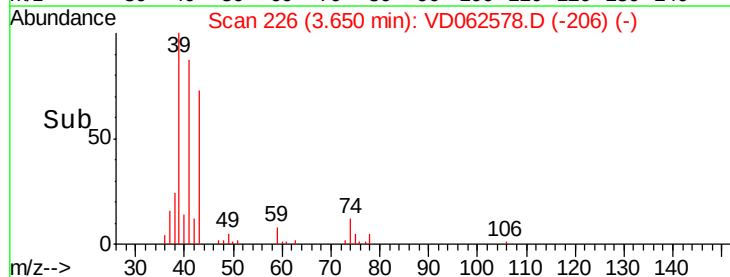
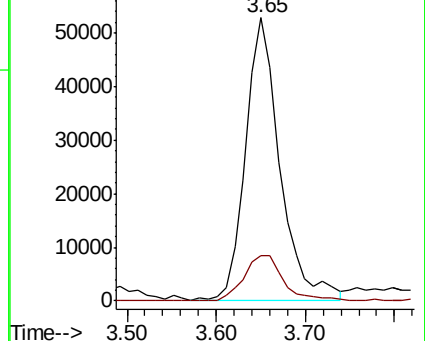
43 100

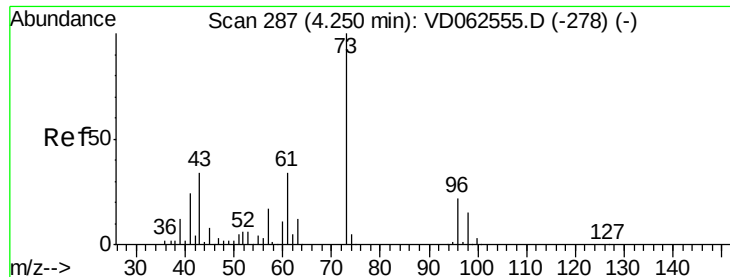
74 16.2 12.5 18.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



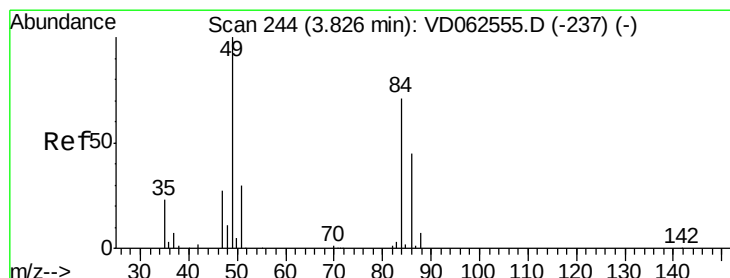
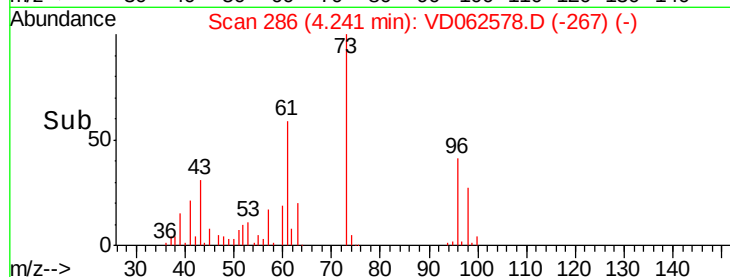
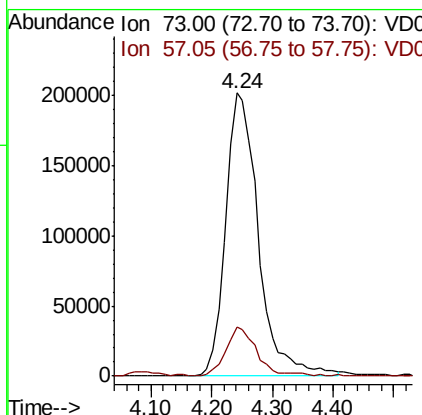
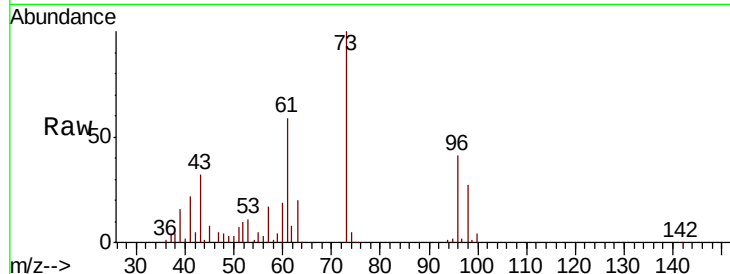


#19

Methyl tert-butyl Ether
 Concen: 51.883 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. -0.01 min
 Lab File: VD062578.D
 Acq: 31 May 2019 21:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

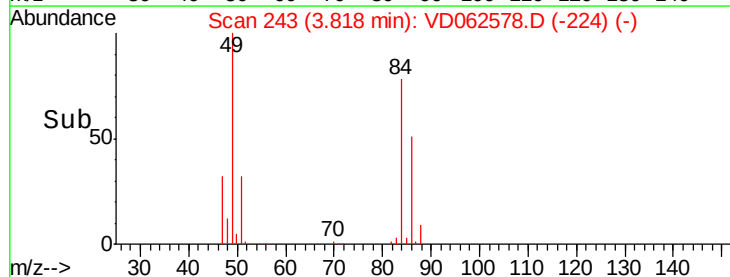
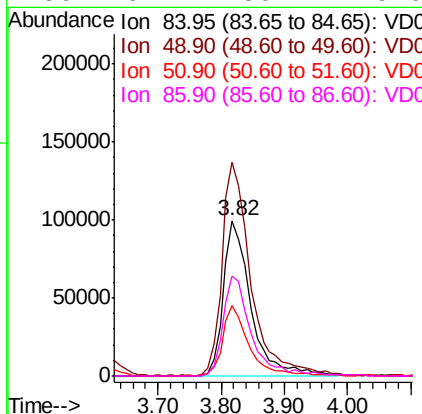
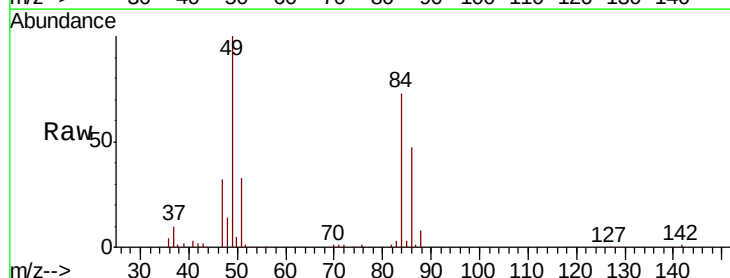
Tot Ion: 73 Resp: 756331
 Ion Ratio Lower Upper
 73 100
 57 17.3 13.8 20.8

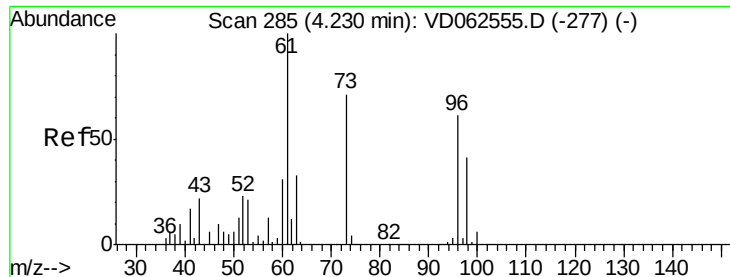


#20

Methylene Chloride
 Concen: 46.091 ug/l
 RT: 3.82 min Scan# 243
 Delta R.T. -0.01 min
 Lab File: VD062578.D
 Acq: 31 May 2019 21:46

Tgt Ion: 84 Resp: 302422
 Ion Ratio Lower Upper
 84 100
 49 137.7 112.3 168.5
 51 45.2 33.6 50.4
 86 64.7 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 51.104 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.00 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

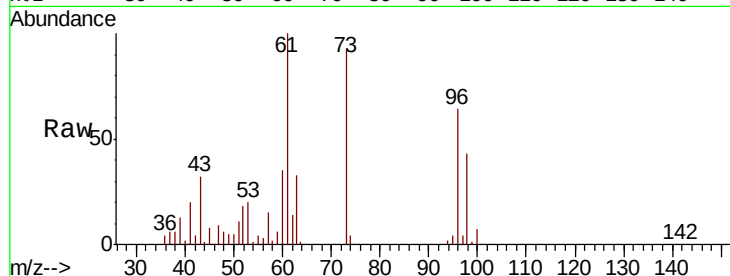
Tot Ion: 96 Resp: 348997

Ion Ratio Lower Upper

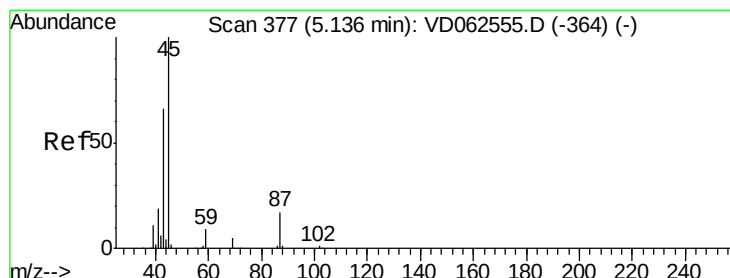
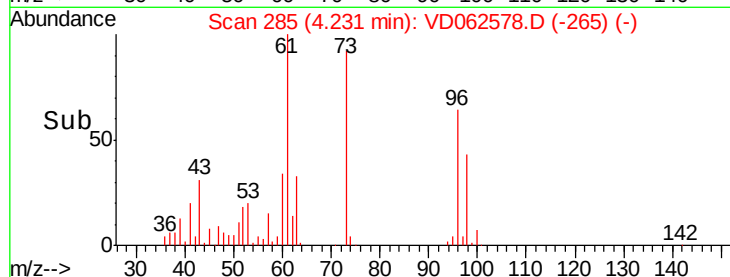
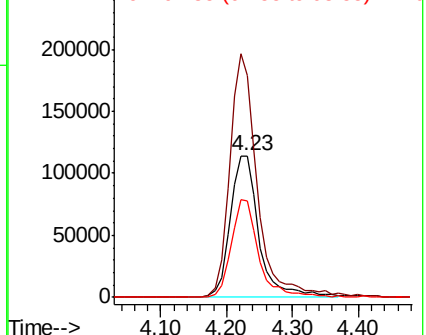
96 100

61 156.4 131.1 196.7

98 67.9 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: 51.770 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.00 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Tgt Ion: 45 Resp: 994161

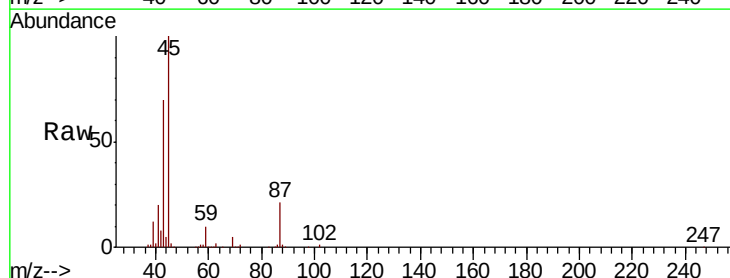
Ion Ratio Lower Upper

45 100

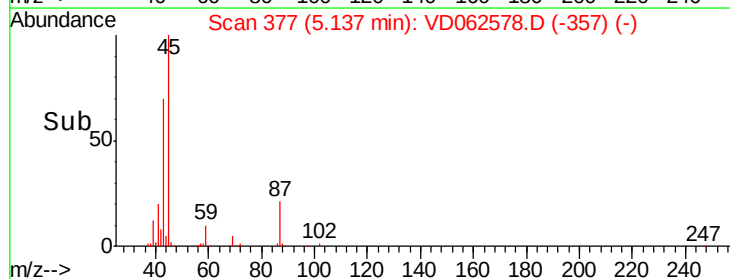
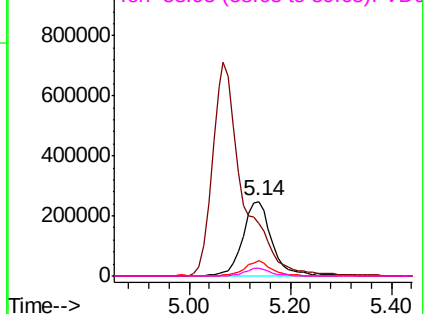
43 70.1 53.6 80.4

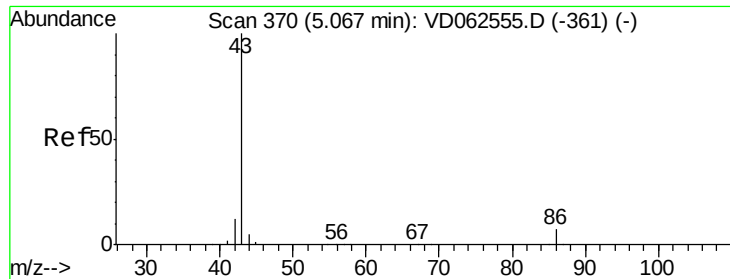
87 21.0 14.2 21.4

59 10.4 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: 254.384 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

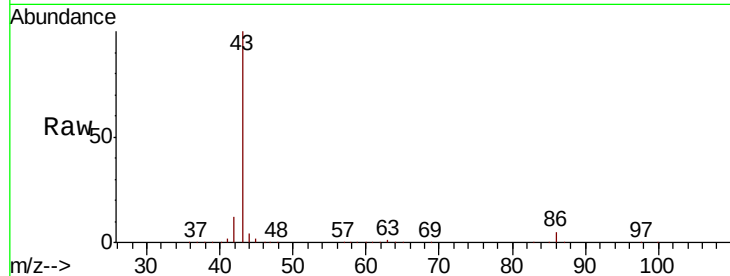
VSTDCCC050EC

Tot Ion: 43 Resp: 2962504

Ion Ratio Lower Upper

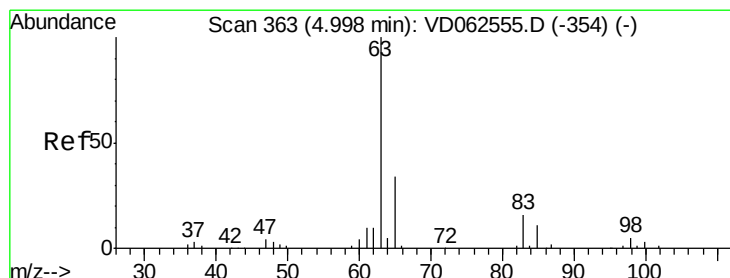
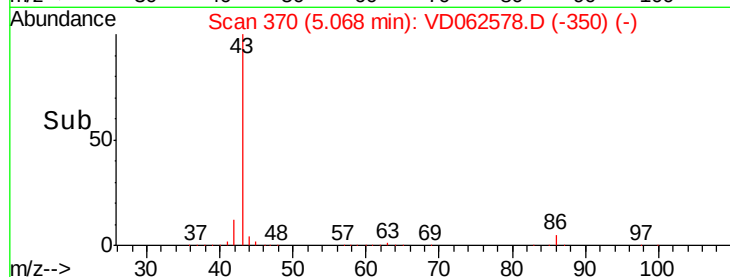
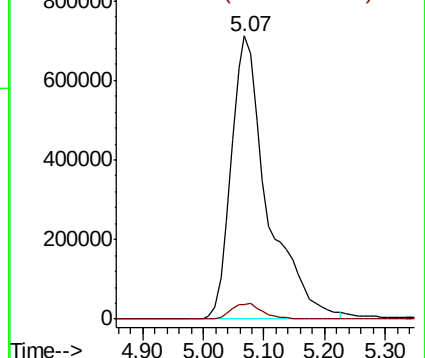
43 100

86 5.3 5.5 8.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.465 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.01 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

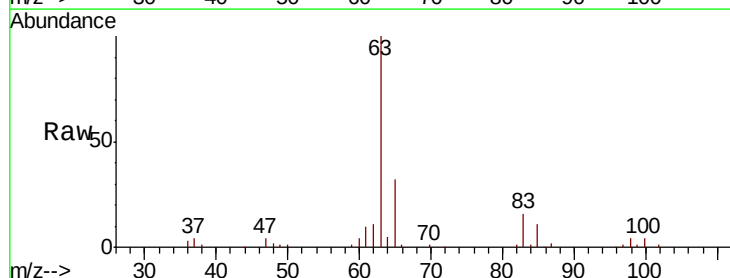
Tgt Ion: 63 Resp: 625391

Ion Ratio Lower Upper

63 100

98 3.7 2.5 7.5

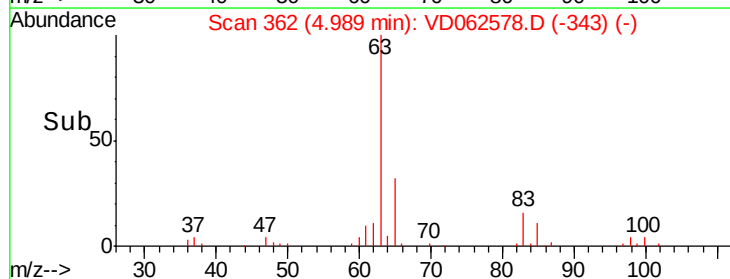
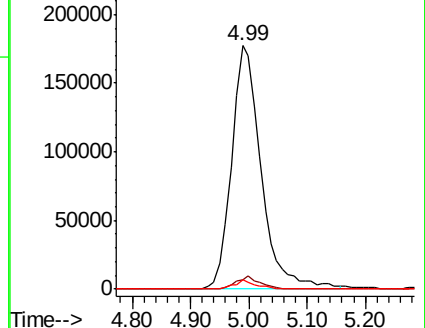
100 3.7 1.6 4.7

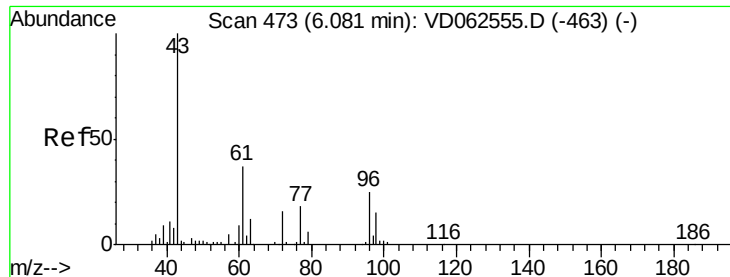


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 249.406 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.00 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

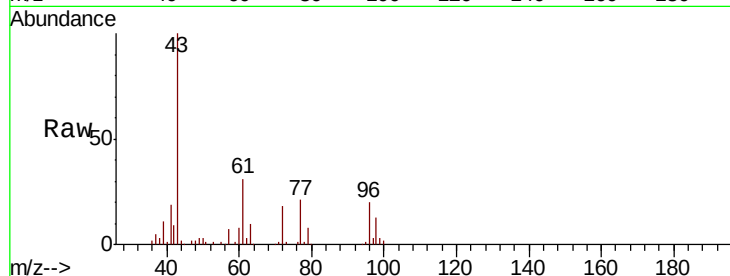
VSTDCCC050EC

Tot Ion: 43 Resp: 416347

Ion Ratio Lower Upper

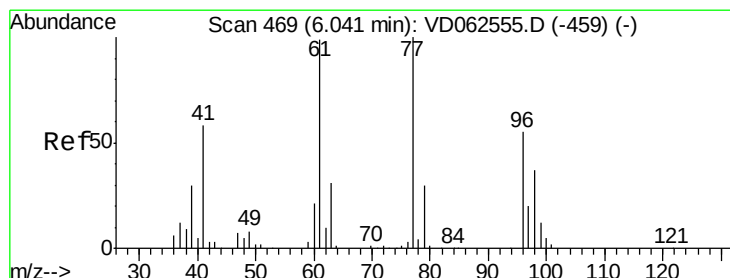
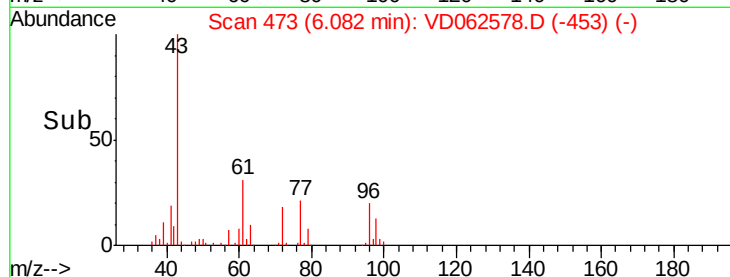
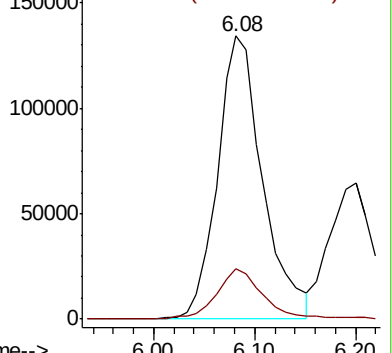
43 100

72 18.0 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: 49.803 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD062578.D

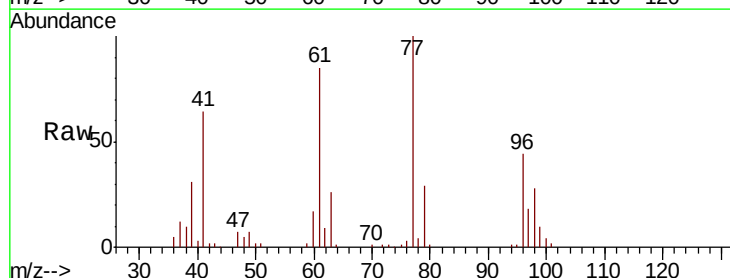
Acq: 31 May 2019 21:46

Tgt Ion: 77 Resp: 684695

Ion Ratio Lower Upper

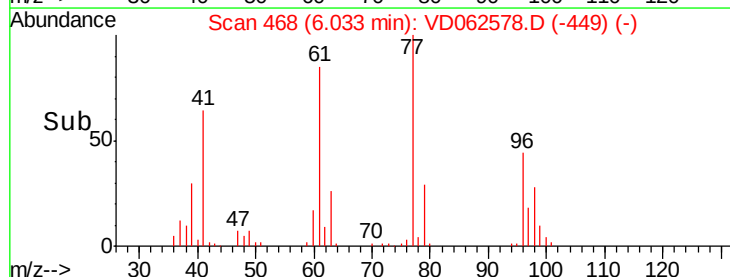
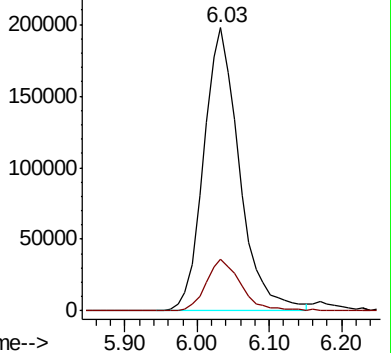
77 100

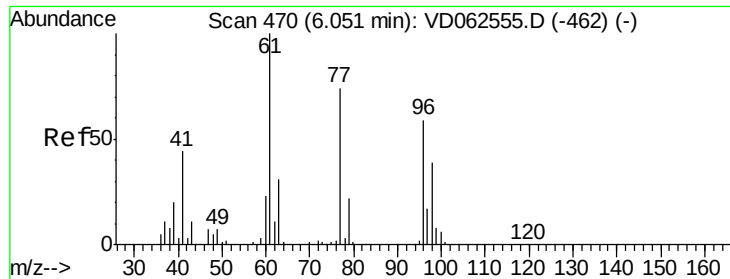
97 18.4 9.8 29.3



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



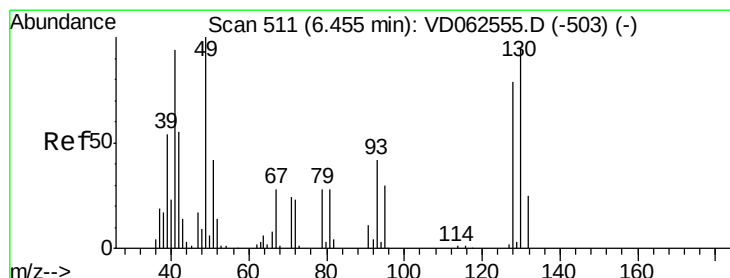
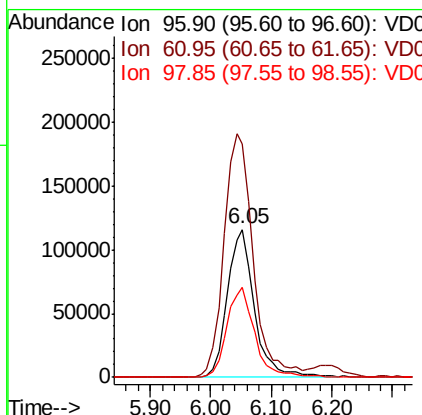
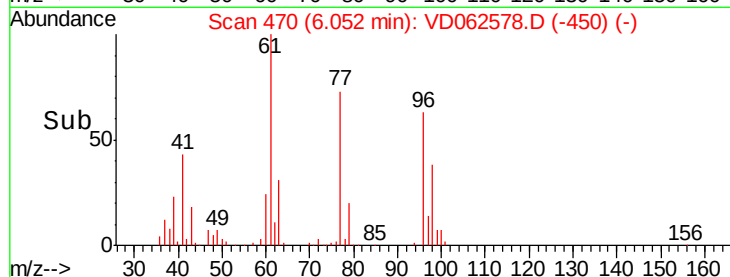
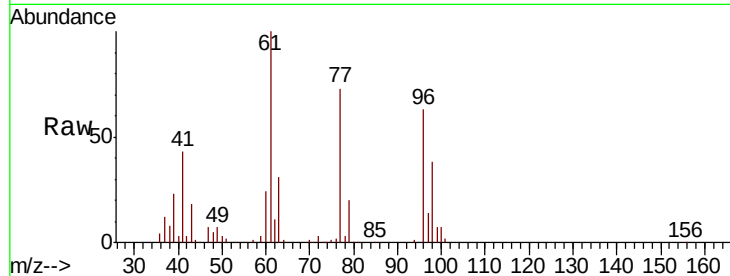


#27

cis-1,2-Dichloroethene
Concen: 51.171 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.00 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

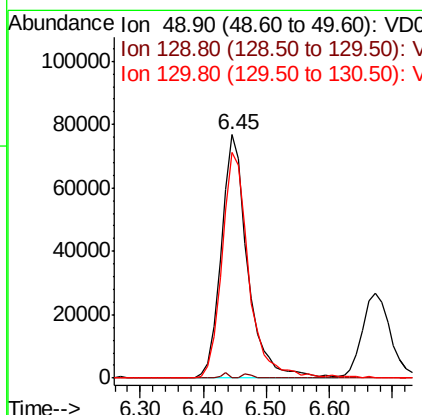
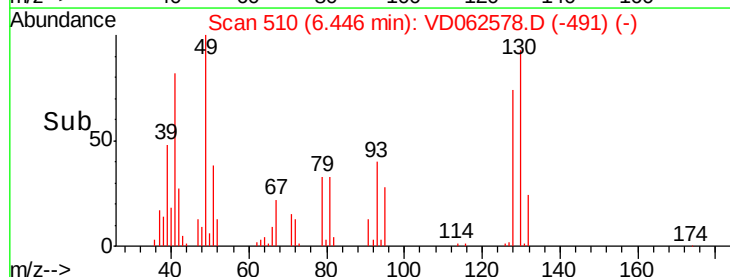
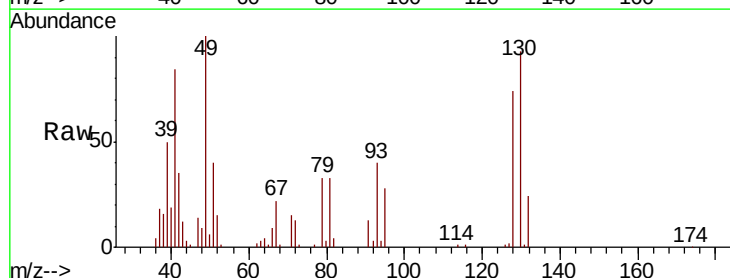
Tot Ion	Ratio	Lower	Upper
96	100		
61	157.9	0.0	342.4
98	60.8	0.0	134.6

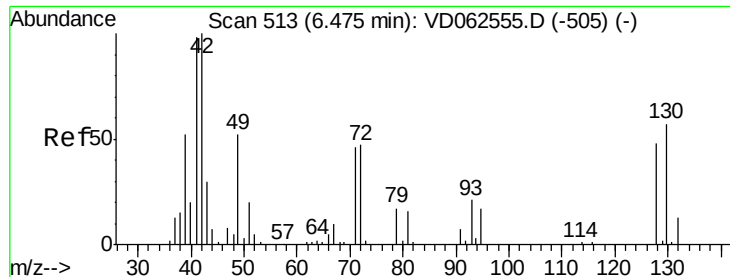


#28

Bromochloromethane
Concen: 52.355 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.6
130	92.7	75.8	113.8

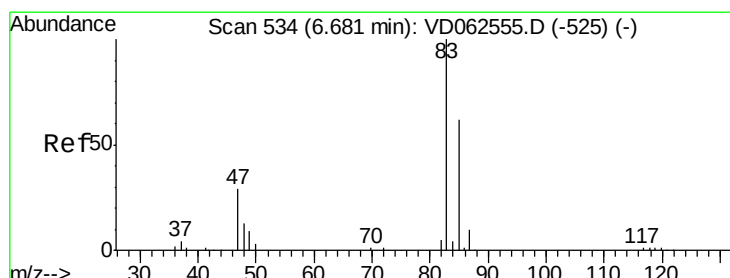
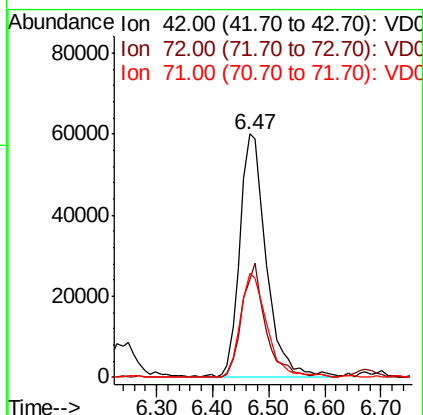
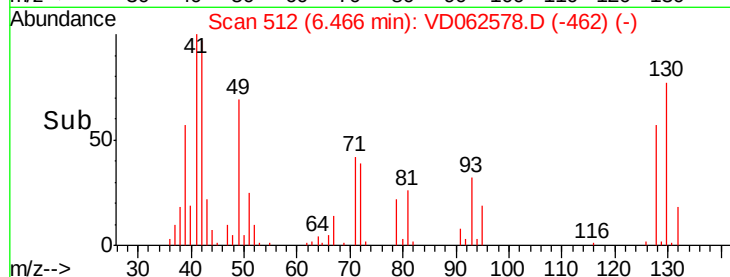
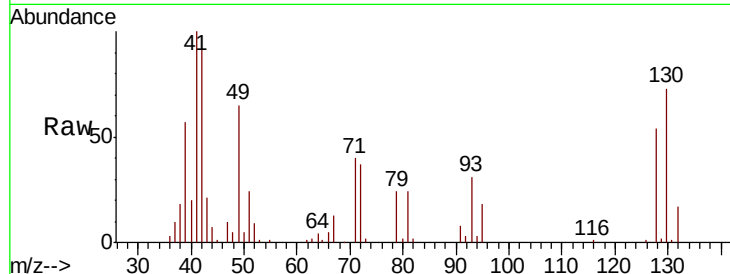




#29
Tetrahydrofuran
Concen: 263.783 ug/l
RT: 6.47 min Scan# 512
Delta R.T. -0.01 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

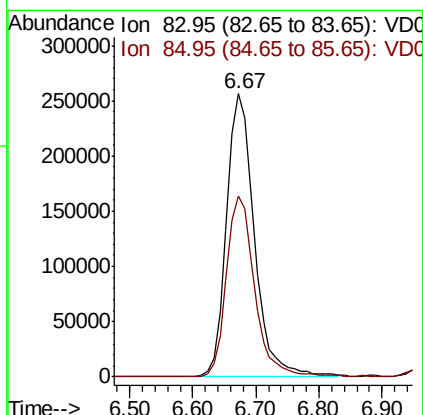
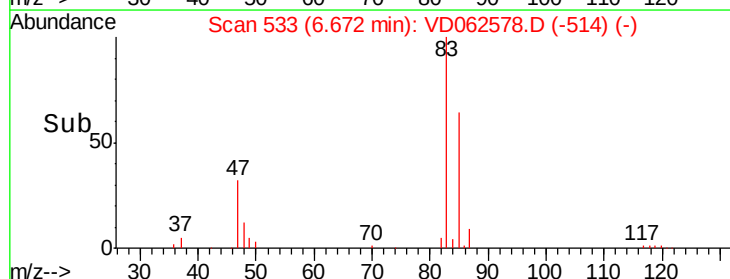
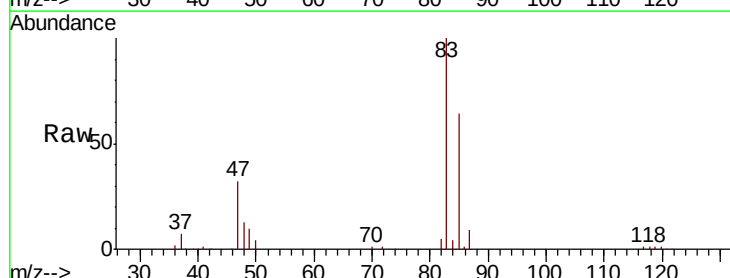
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

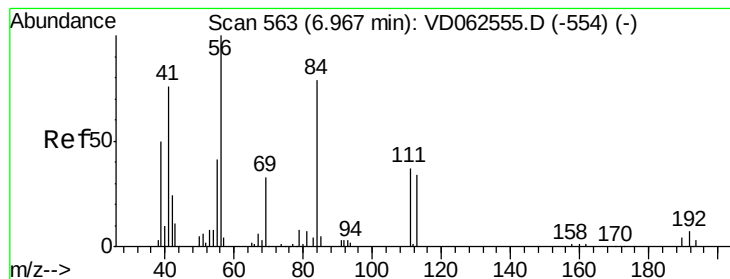
Tot Ion: 42 Resp: 197253
Ion Ratio Lower Upper
42 100
72 41.4 34.5 51.7
71 42.9 33.0 49.6



#30
Chloroform
Concen: 52.427 ug/l
RT: 6.67 min Scan# 533
Delta R.T. -0.01 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

Tgt Ion: 83 Resp: 782899
Ion Ratio Lower Upper
83 100
85 64.1 49.4 74.0





#31

Cyclohexane

Concen: 50.023 ug/l

RT: 6.97 min Scan# 563

Delta R.T. 0.00 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

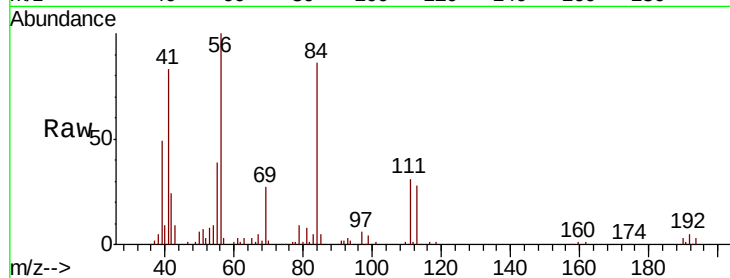
Tot Ion: 56 Resp: 419123

Ion Ratio Lower Upper

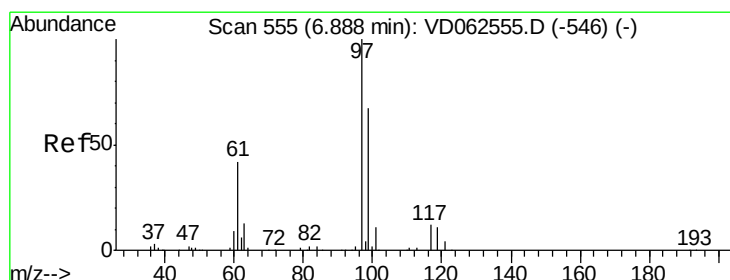
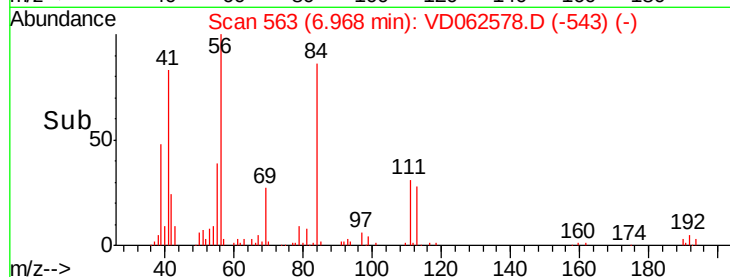
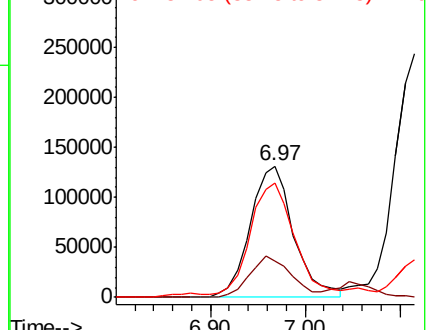
56 100

69 27.2 26.2 39.2

84 86.5 65.2 97.8



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



#32

1,1,1-Trichloroethane

Concen: 54.524 ug/l

RT: 6.88 min Scan# 554

Delta R.T. -0.01 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

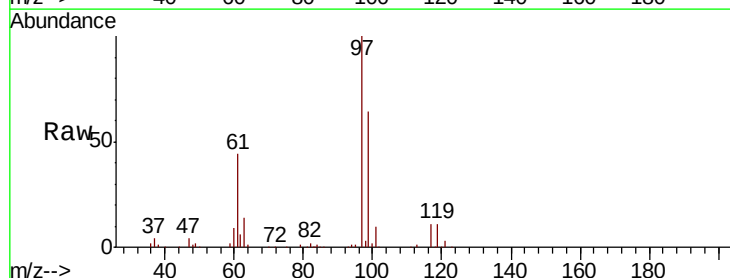
Tgt Ion: 97 Resp: 847369

Ion Ratio Lower Upper

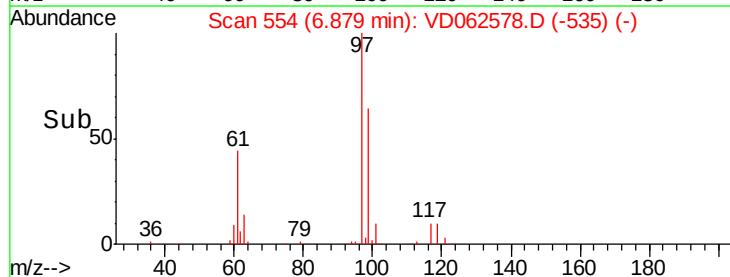
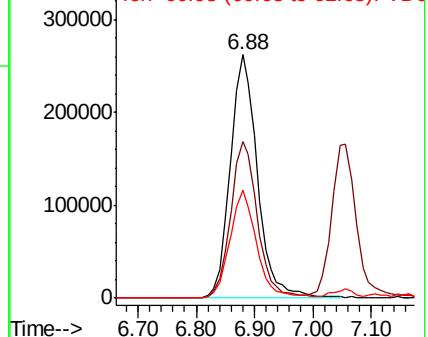
97 100

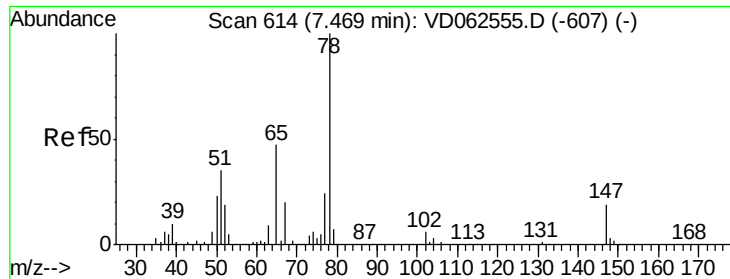
99 64.5 53.6 80.4

61 44.5 33.9 50.9



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





#33

1,2-Dichloroethane-d4

Concen: 56.576 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

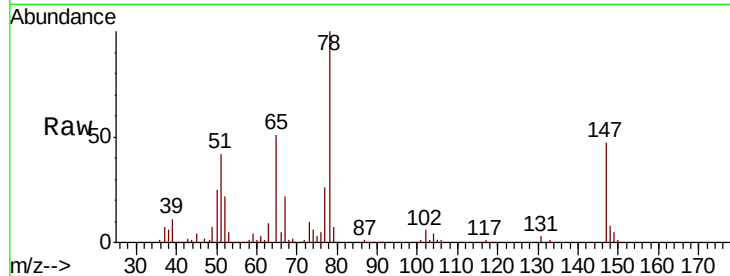
VSTDCCC050EC

Tot Ion: 65 Resp: 510392

Ion Ratio Lower Upper

65 100

67 43.1 0.0 83.6



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

200000

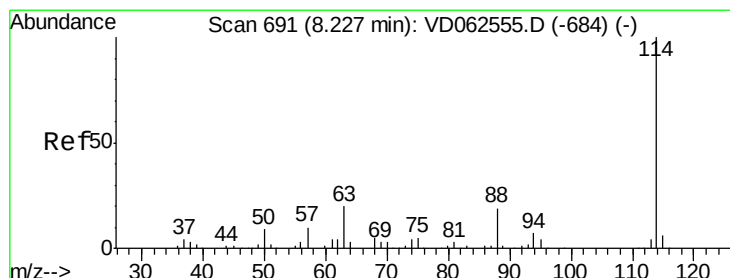
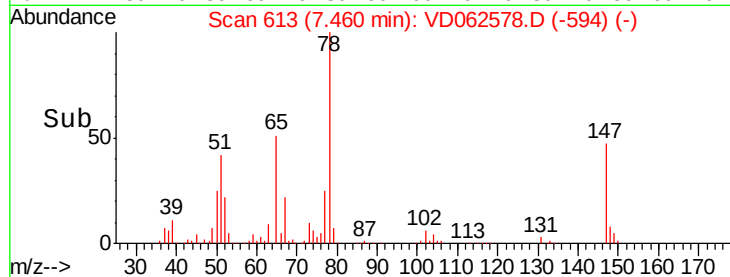
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.00 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

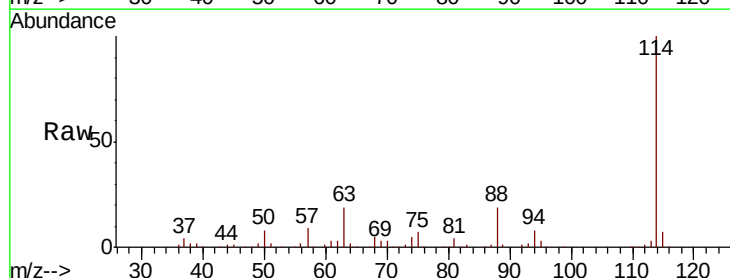
Tgt Ion:114 Resp: 982310

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.6

88 18.9 0.0 37.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.23

500000

400000

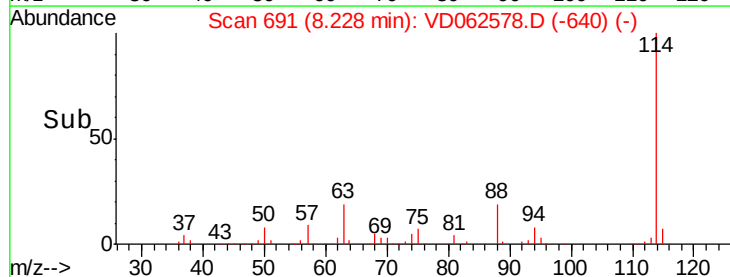
300000

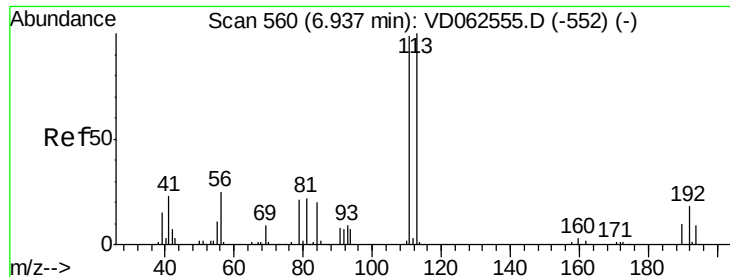
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 57.092 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

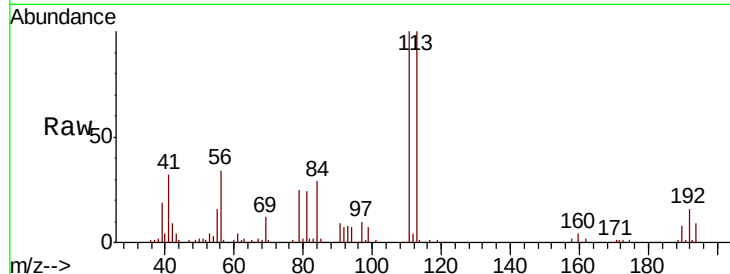
Tot Ion:113 Resp: 511052

Ion Ratio Lower Upper

113 100

111 100.3 78.8 118.2

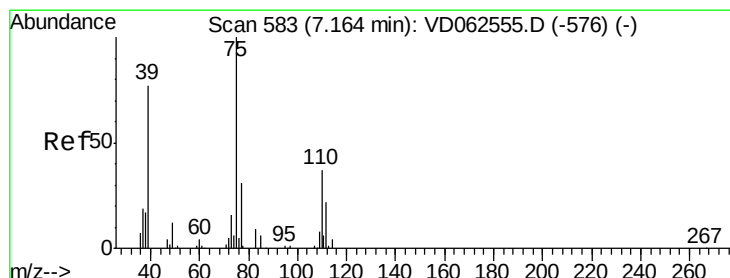
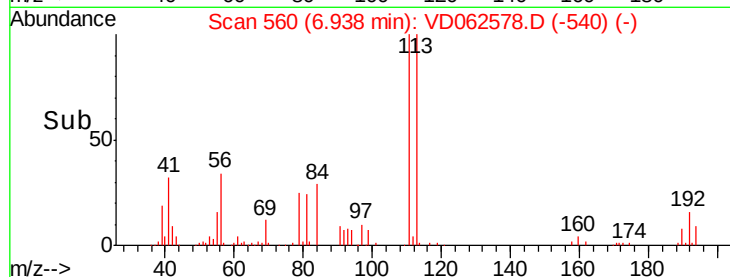
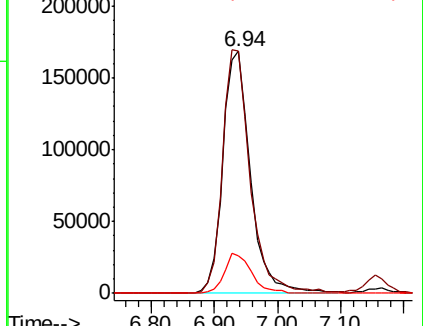
192 15.6 14.6 22.0



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: 55.758 ug/l

RT: 7.15 min Scan# 582

Delta R.T. -0.01 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

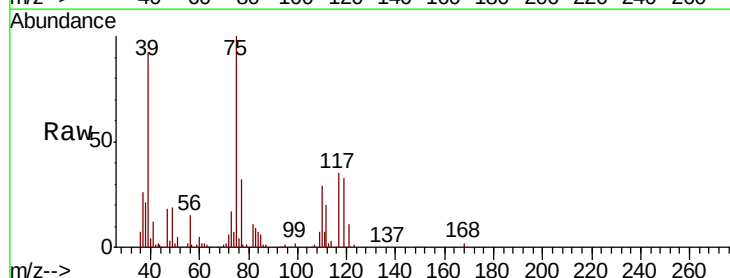
Tgt Ion: 75 Resp: 545237

Ion Ratio Lower Upper

75 100

110 28.6 18.3 54.8

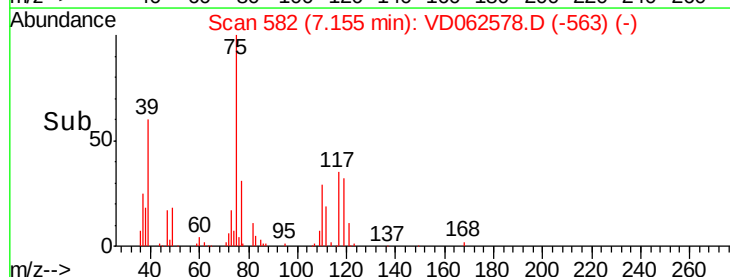
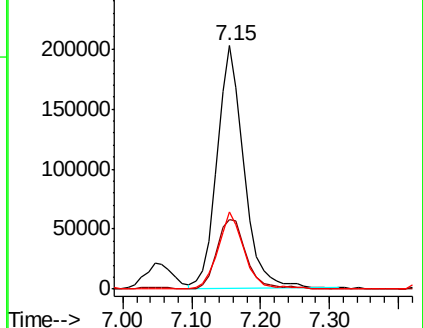
77 31.6 24.4 36.6

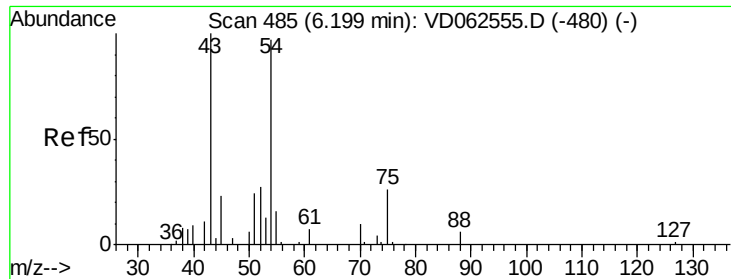


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

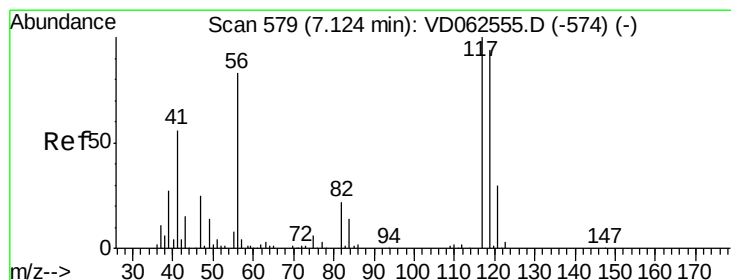
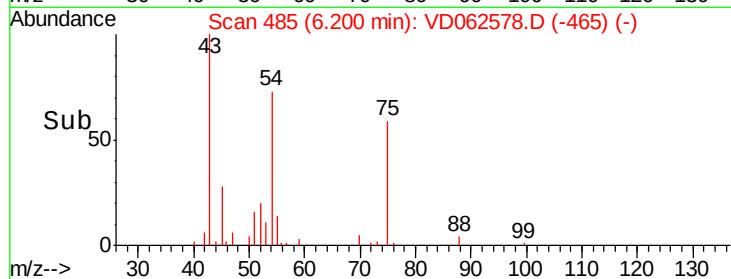
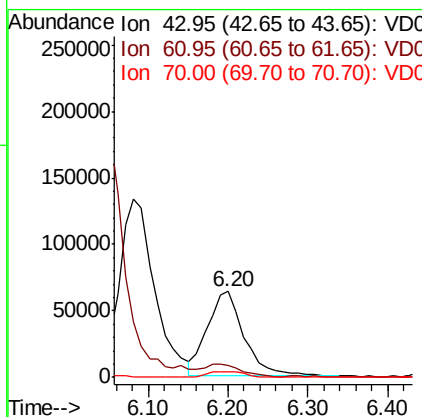
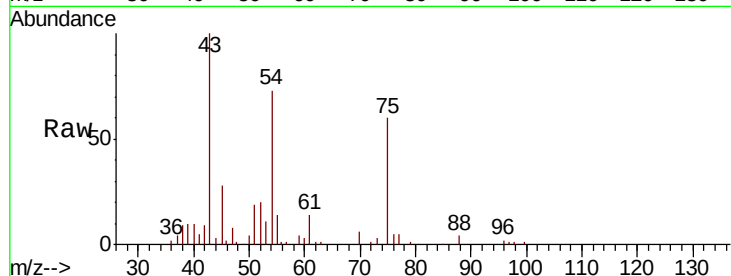




#37
Ethyl Acetate
Concen: 49.896 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.00 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

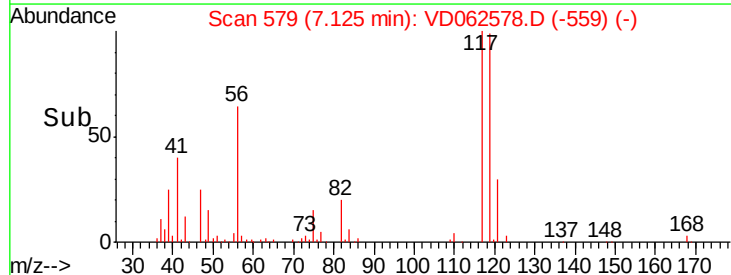
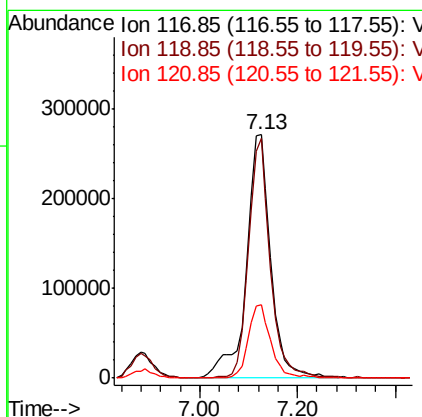
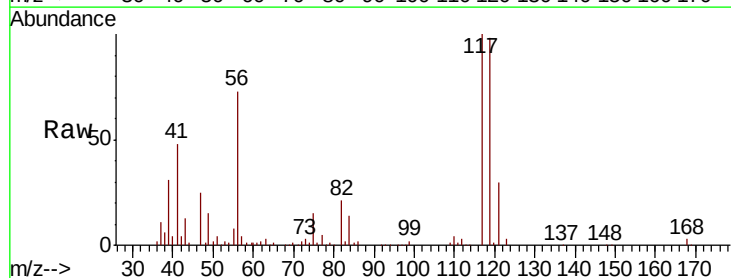
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

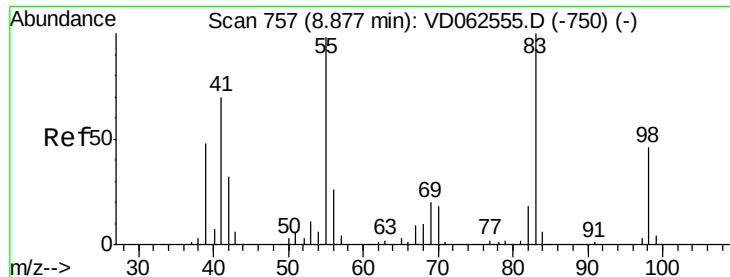
Tot Ion: 43 Resp: 205699
Ion Ratio Lower Upper
43 100
61 13.9 9.8 14.8
70 6.0 6.5 9.7#



#38
Carbon Tetrachloride
Concen: 64.052 ug/l
RT: 7.13 min Scan# 579
Delta R.T. 0.00 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

Tgt Ion: 117 Resp: 932510
Ion Ratio Lower Upper
117 100
119 98.3 71.4 107.2
121 30.2 22.5 33.7

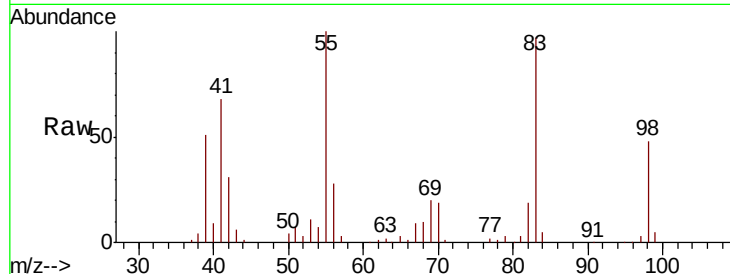




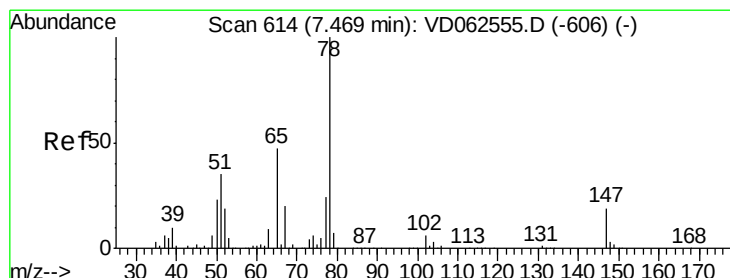
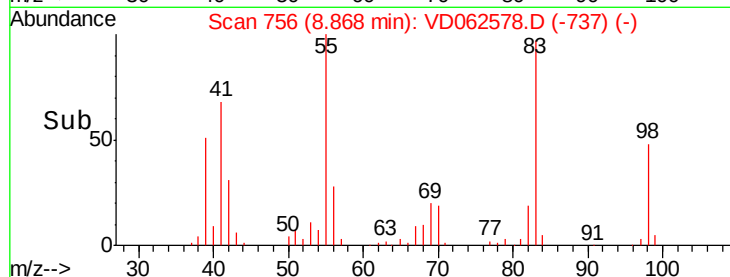
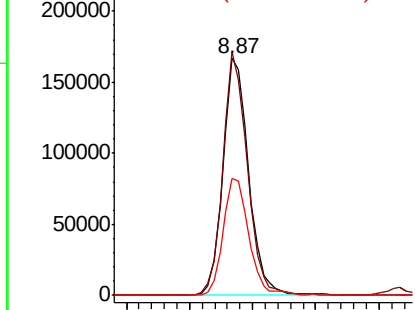
#39
Methylvlcyclohexane
Concen: 56.786 ug/l
RT: 8.87 min Scan# 756
Delta R.T. -0.01 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 470129
Ion Ratio Lower Upper
83 100
55 102.8 78.7 118.1
98 49.1 37.2 55.8

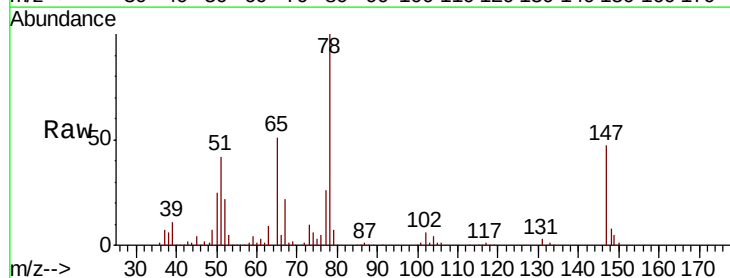


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

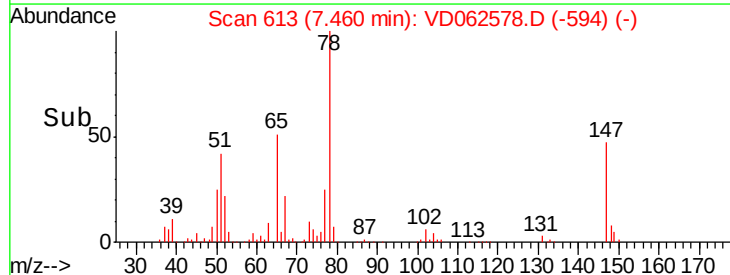
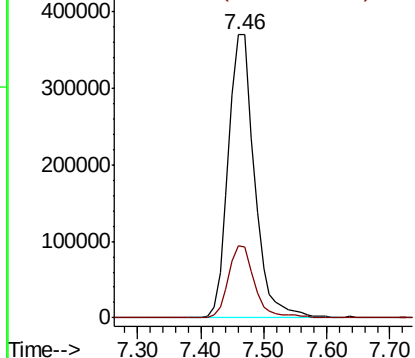


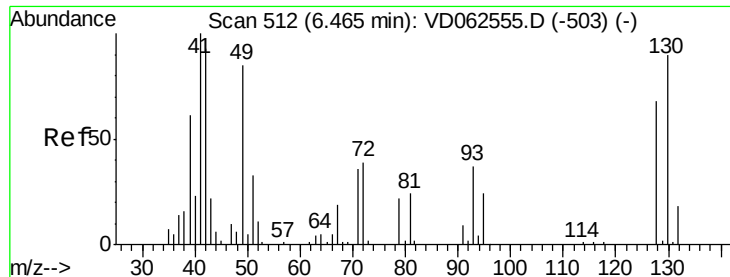
#40
Benzene
Concen: 55.683 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.01 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

Tgt Ion: 78 Resp: 1068689
Ion Ratio Lower Upper
78 100
77 25.6 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: 56.969 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.01 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 276372

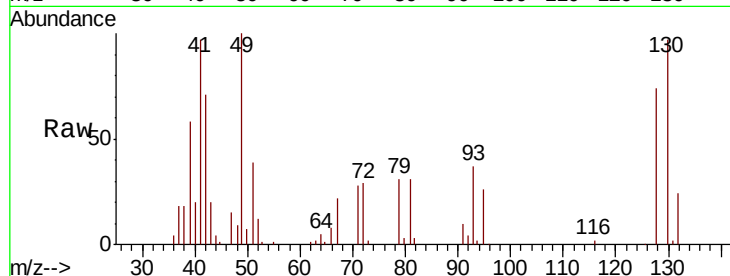
Ion Ratio Lower Upper

41 100

39 60.2 49.0 73.6

67 23.1 15.5 23.3

52 12.8 8.9 13.3

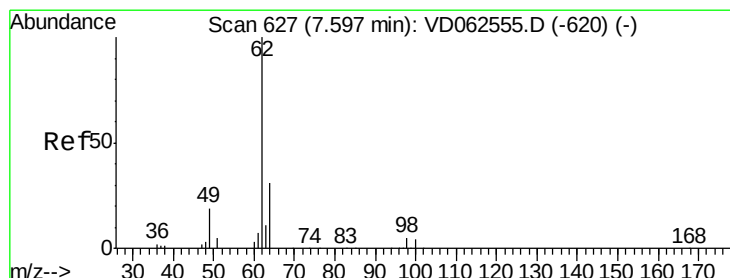
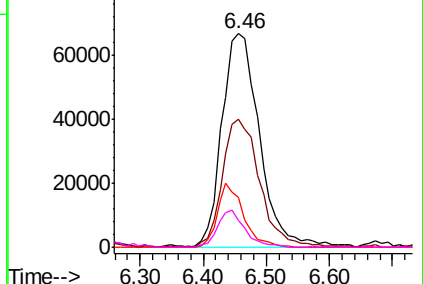
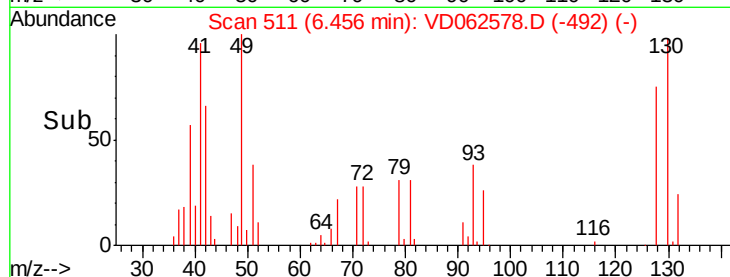


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 55.771 ug/l

RT: 7.59 min Scan# 626

Delta R.T. -0.01 min

Lab File: VD062578.D

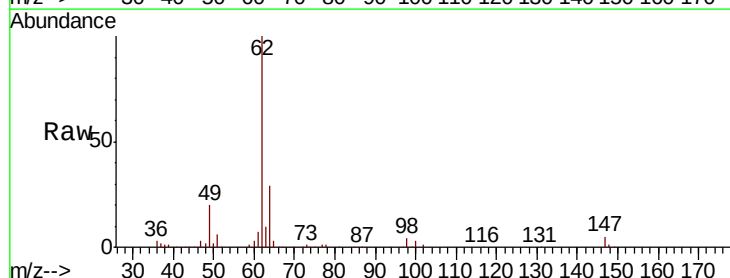
Acq: 31 May 2019 21:46

Tgt Ion: 62 Resp: 596223

Ion Ratio Lower Upper

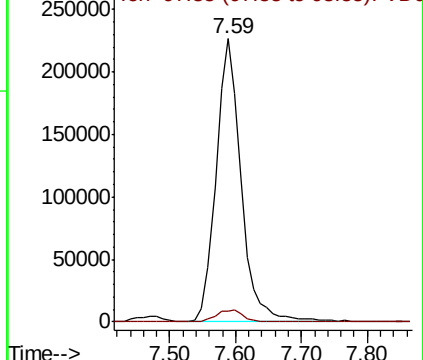
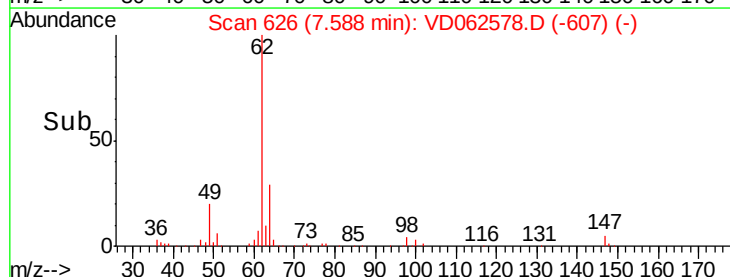
62 100

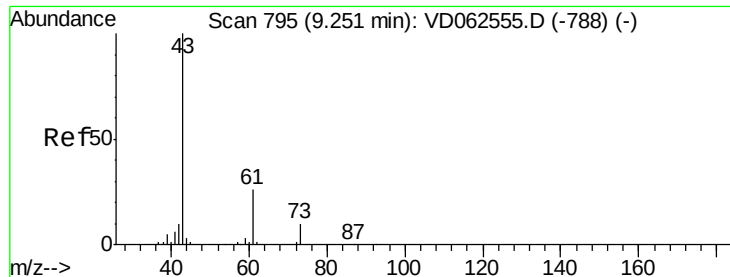
98 3.9 0.0 11.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 56.152 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.00 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

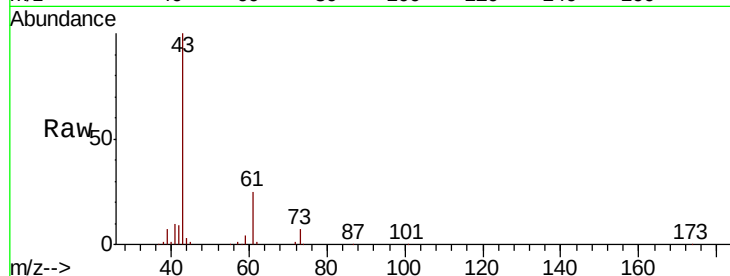
Tot Ion: 43 Resp: 288111

Ion Ratio Lower Upper

43 100

61 24.5 20.5 30.7

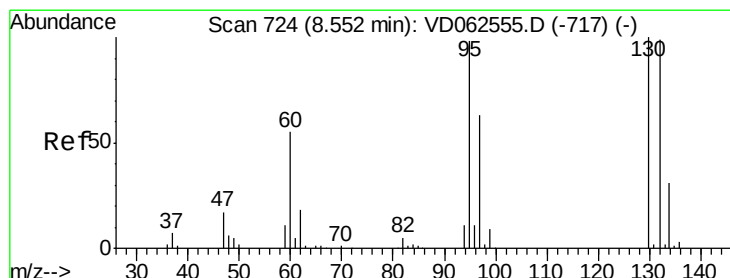
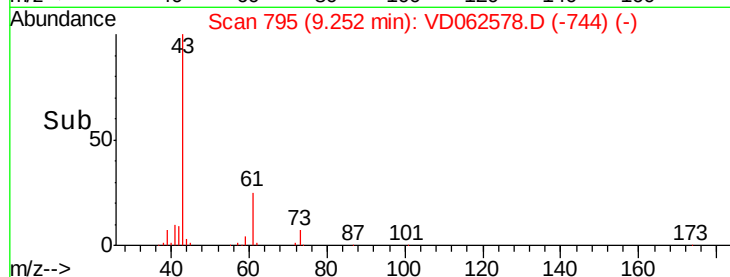
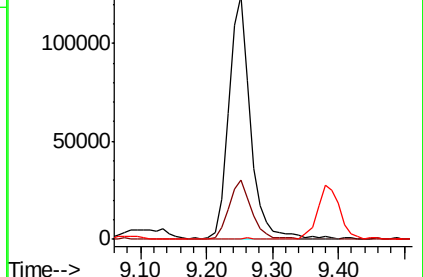
87 0.3 0.2 0.2#



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: 54.076 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD062578.D

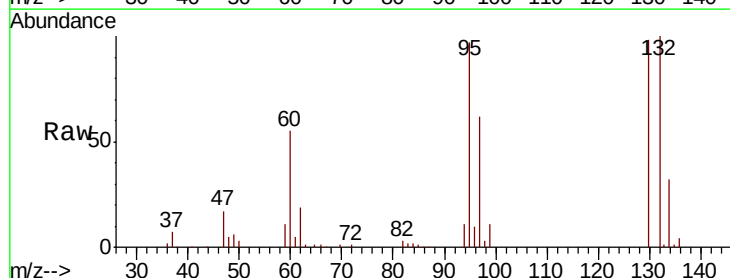
Acq: 31 May 2019 21:46

Tgt Ion:130 Resp: 414617

Ion Ratio Lower Upper

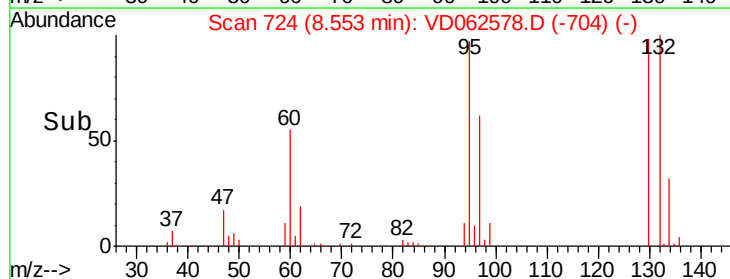
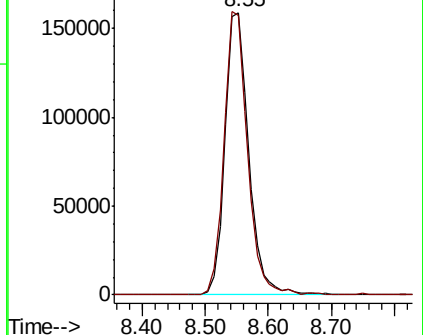
130 100

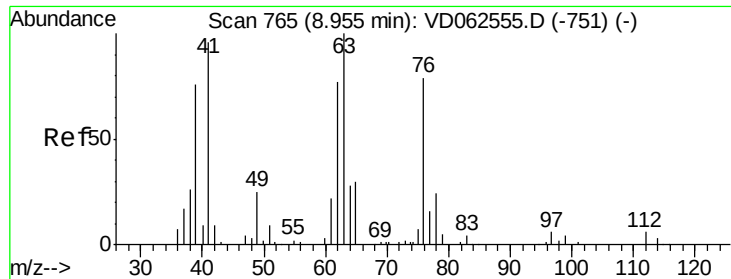
95 98.9 0.0 196.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 53.699 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.01 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

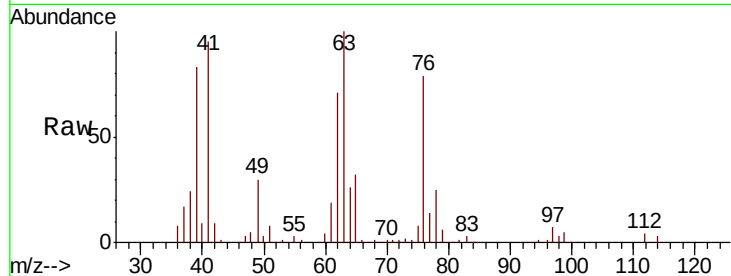
VSTDCCC050EC

Tot Ion: 63 Resp: 252671

Ion Ratio Lower Upper

63 100

65 32.2 23.7 35.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.95

100000

80000

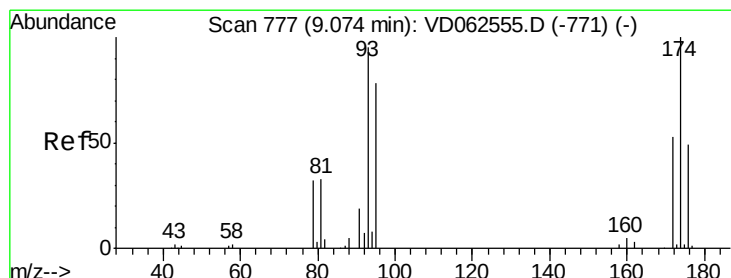
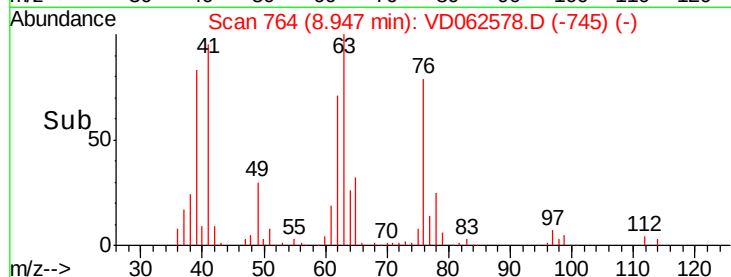
60000

40000

20000

0

Time--> 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 57.030 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.01 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

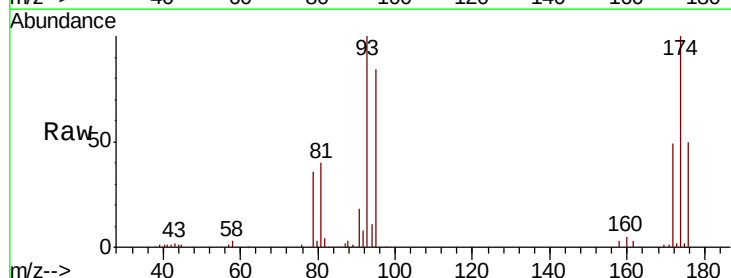
Tgt Ion: 93 Resp: 225399

Ion Ratio Lower Upper

93 100

95 83.8 66.1 99.1

174 100.0 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): VDC

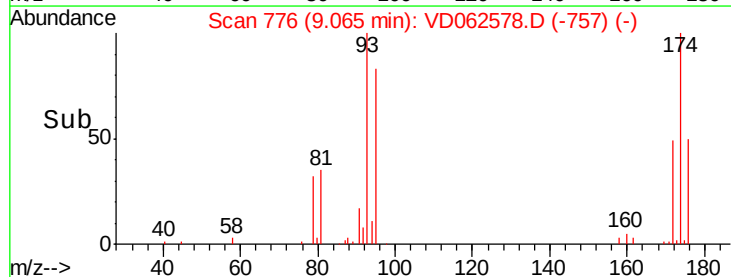
150000

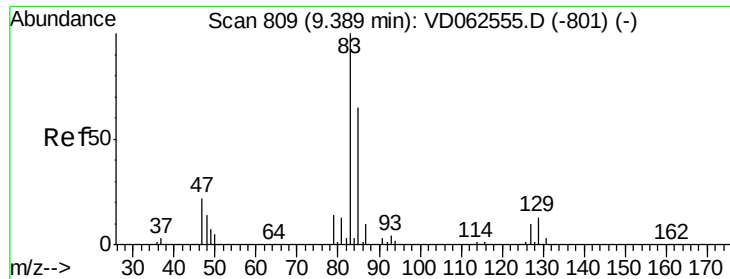
100000

50000

0

Time--> 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 58.911 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

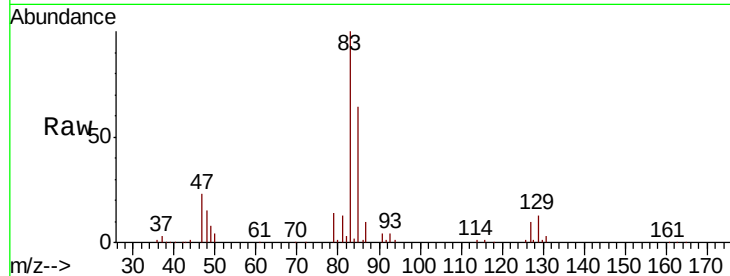
Tot Ion: 83 Resp: 641525

Ion Ratio Lower Upper

83 100

85 64.0 51.8 77.8

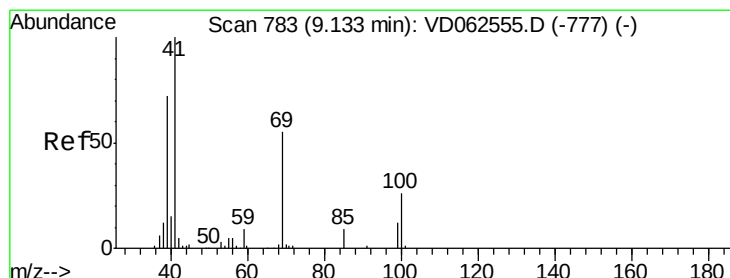
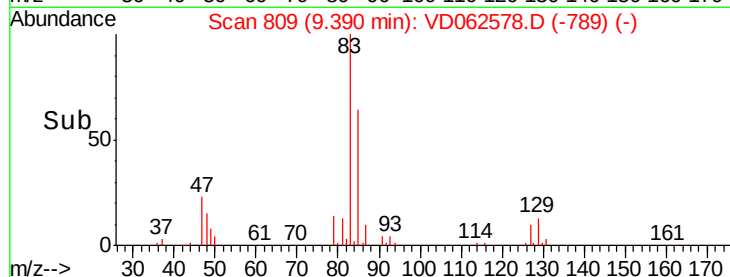
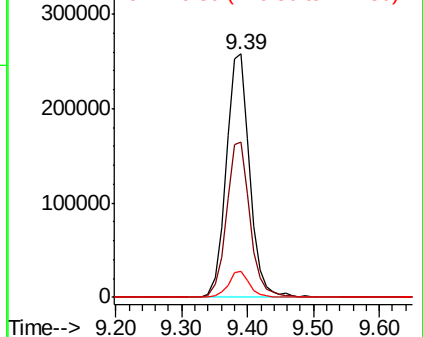
127 10.5 7.8 11.6



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: 61.389 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.00 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

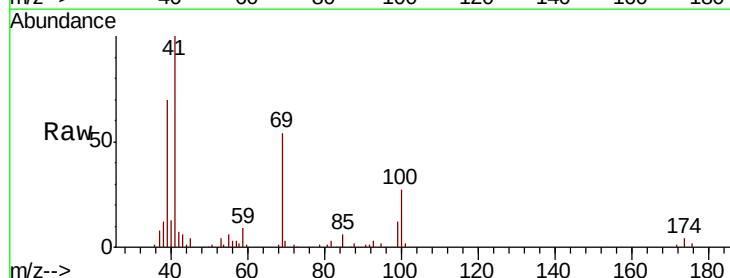
Tgt Ion: 41 Resp: 209791

Ion Ratio Lower Upper

41 100

69 53.6 43.6 65.4

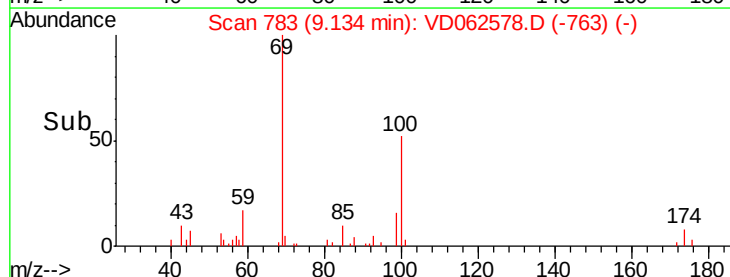
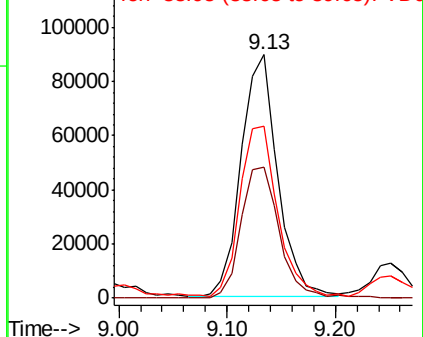
39 70.4 58.1 87.1

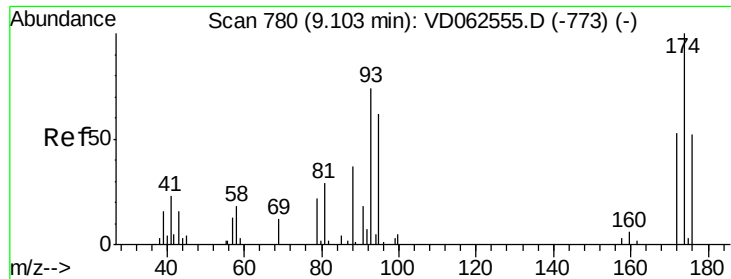


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

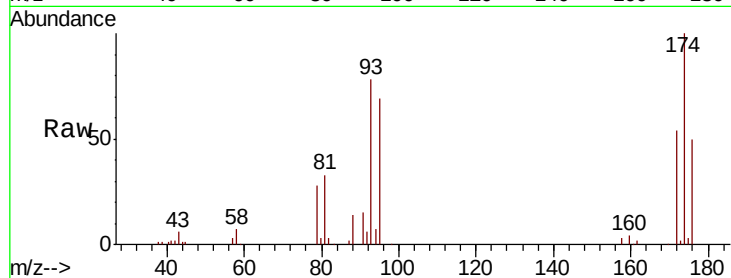




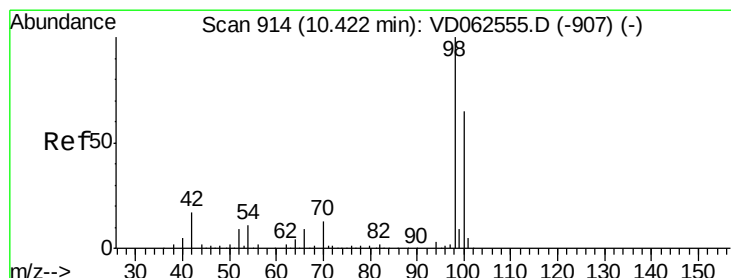
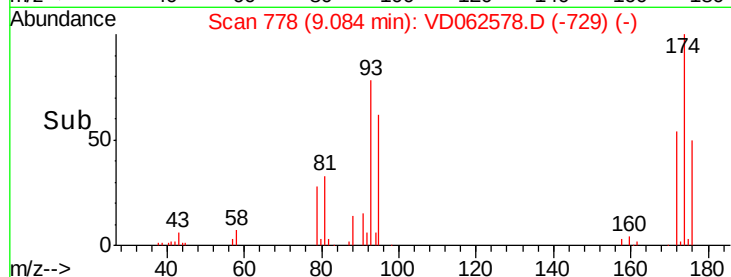
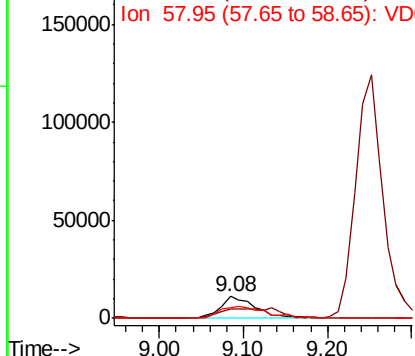
#49
1,4-Dioxane
Concen: 1184.929 ug/l
RT: 9.08 min Scan# 778
Delta R.T. -0.02 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 32891
Ion Ratio Lower Upper
88 100
43 44.6 37.1 55.7
58 47.6 39.3 58.9

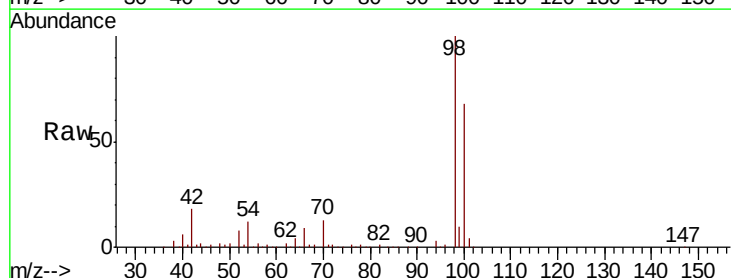


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

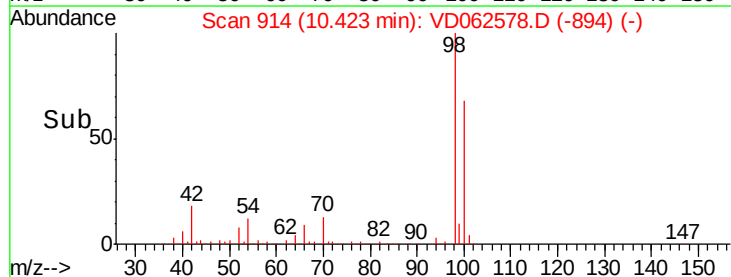
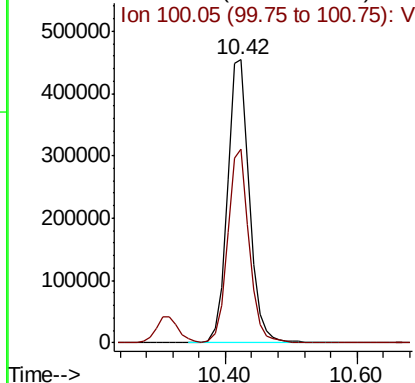


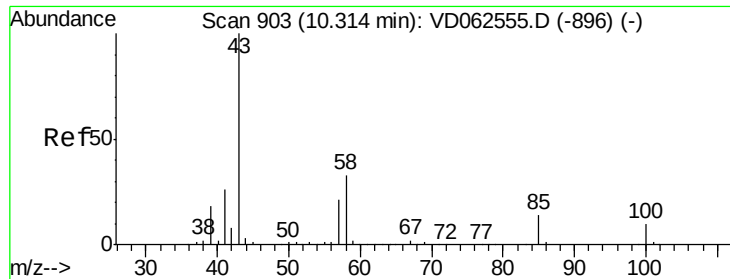
#50
Toluene-d8
Concen: 53.978 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

Tgt Ion: 98 Resp: 1058651
Ion Ratio Lower Upper
98 100
100 68.3 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: 279.874 ug/l

RT: 10.31 min Scan# 902

Delta R.T. -0.01 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

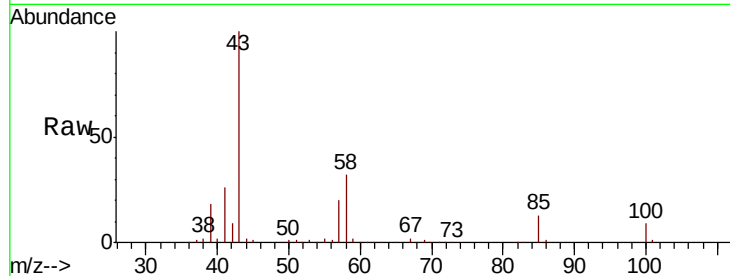
VSTDCCC050EC

Tot Ion: 43 Resp: 1001869

Ion Ratio Lower Upper

43 100

58 31.9 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

400000

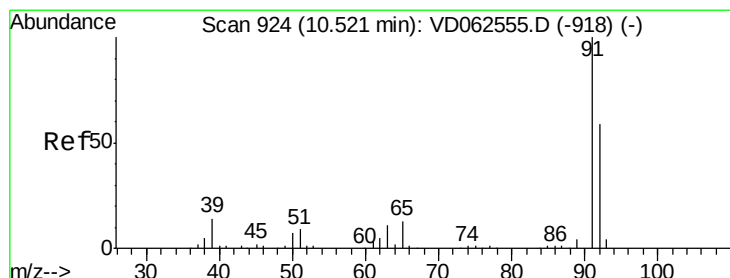
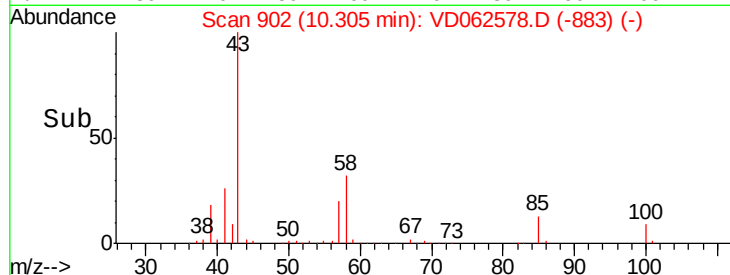
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 55.310 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD062578.D

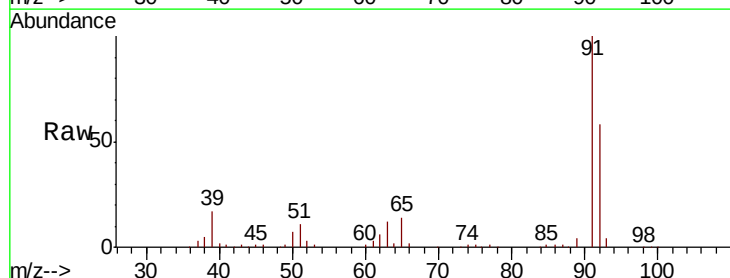
Acq: 31 May 2019 21:46

Tgt Ion: 92 Resp: 723990

Ion Ratio Lower Upper

92 100

91 171.4 135.5 203.3



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

600000

500000

400000

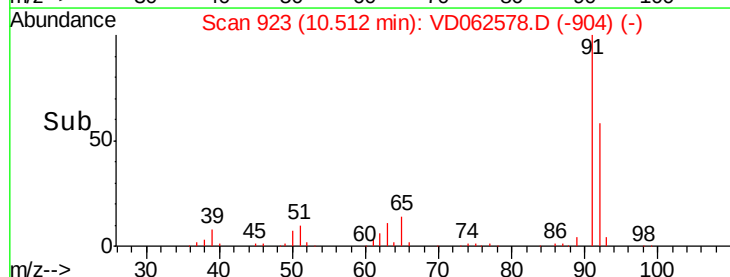
300000

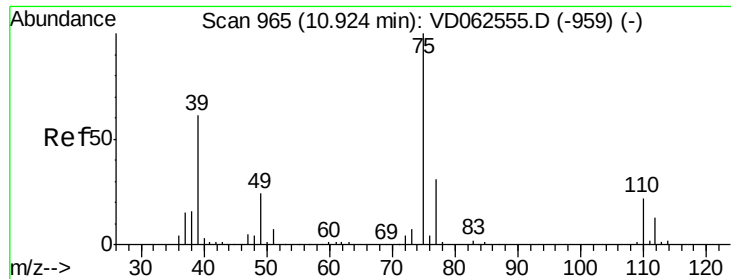
200000

100000

0

Time-->

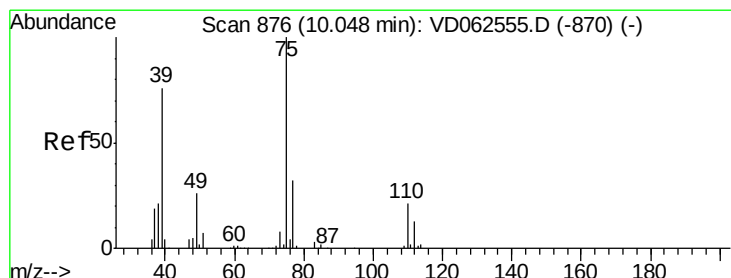
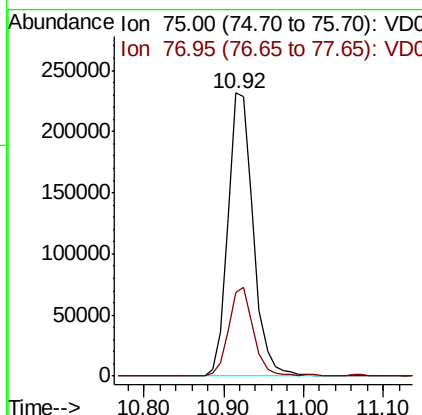
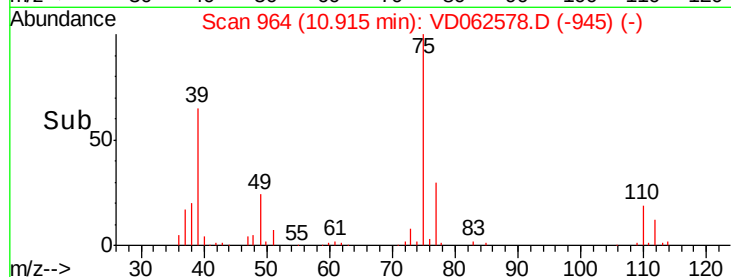
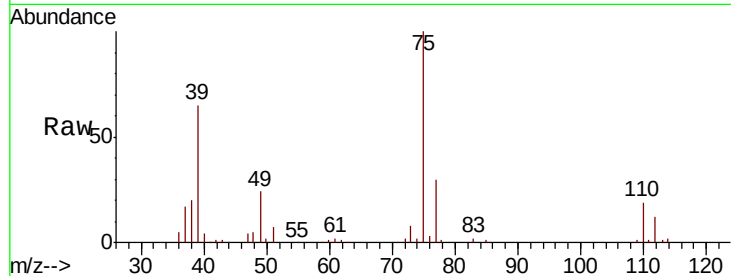




#53
 t-1,3-Dichloropropene
 Concen: 55.950 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: VD062578.D
 Acq: 31 May 2019 21:46

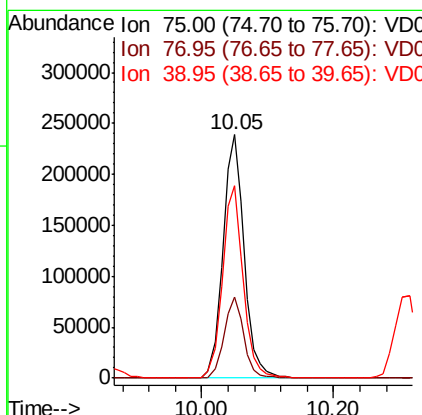
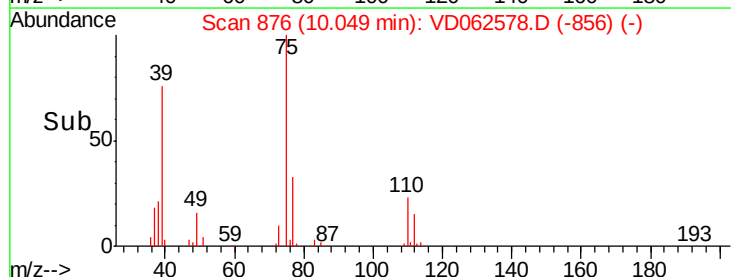
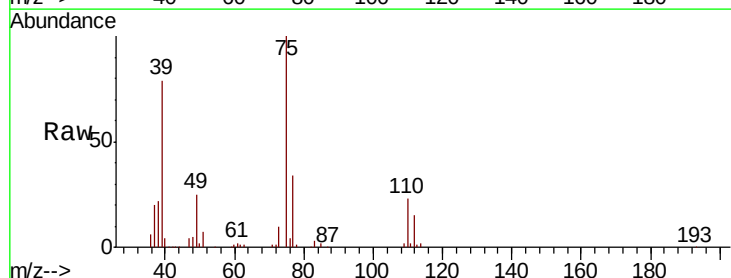
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

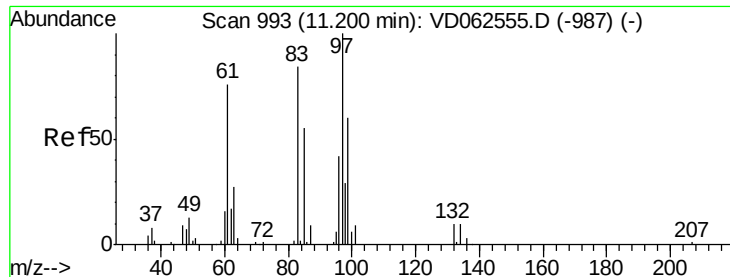
Tot Ion: 75 Resp: 514774
 Ion Ratio Lower Upper
 75 100
 77 29.8 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 55.875 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.00 min
 Lab File: VD062578.D
 Acq: 31 May 2019 21:46

Tgt Ion: 75 Resp: 534471
 Ion Ratio Lower Upper
 75 100
 77 33.5 25.7 38.5
 39 78.9 61.0 91.6

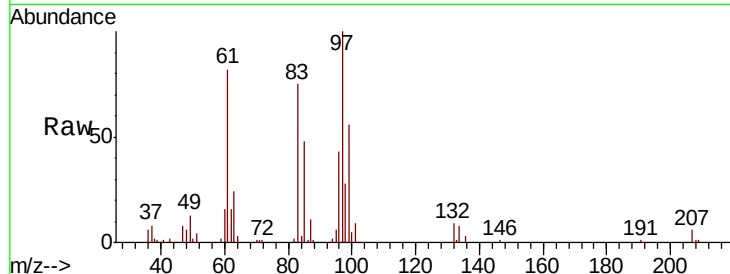




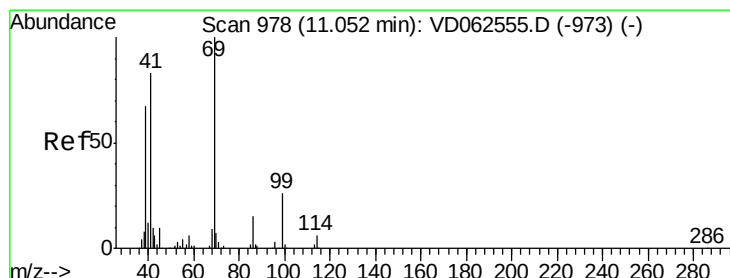
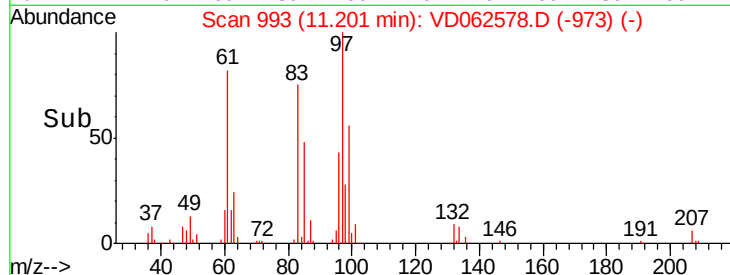
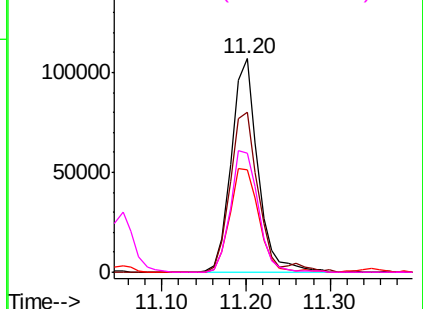
#55
 1,1,2-Trichloroethane
 Concen: 54.588 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VD062578.D
 Acq: 31 May 2019 21:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	234615
Ion	Ratio	Lower	Upper
97	100		
83	74.8	67.3	100.9
85	48.0	43.8	65.8
99	55.5	48.2	72.2

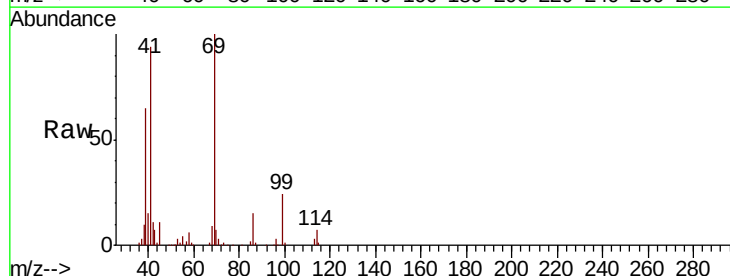


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

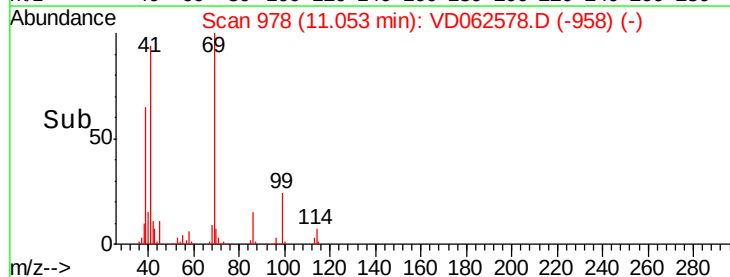
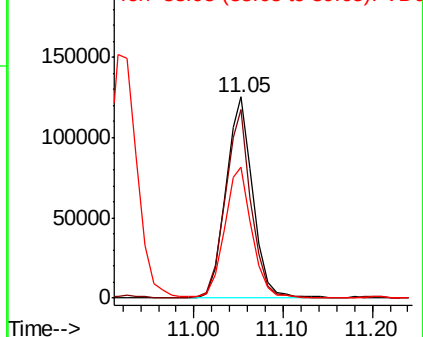


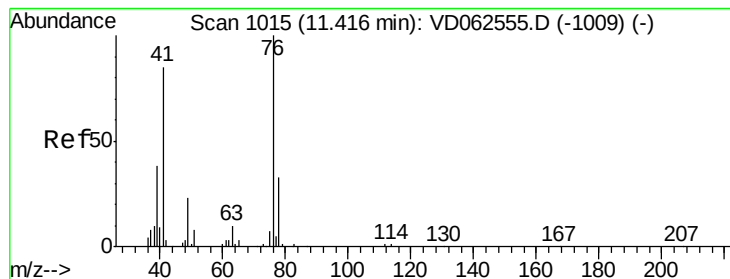
#56
 Ethyl methacrylate
 Concen: 57.688 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VD062578.D
 Acq: 31 May 2019 21:46

Tgt Ion:	69	Resp:	264268
Ion	Ratio	Lower	Upper
69	100		
41	93.6	66.1	99.1
39	65.4	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: 60.399 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

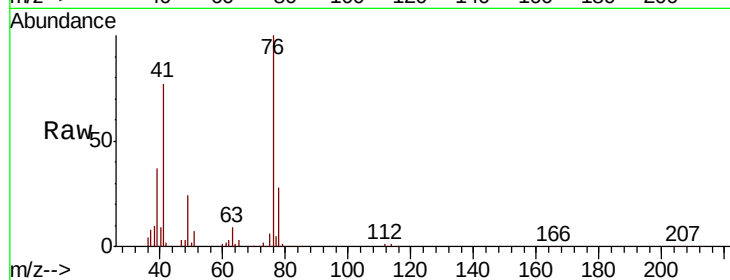
VSTDCCC050EC

Tot Ion: 76 Resp: 400184

Ion Ratio Lower Upper

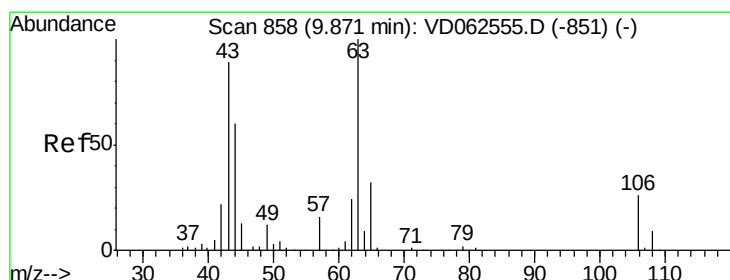
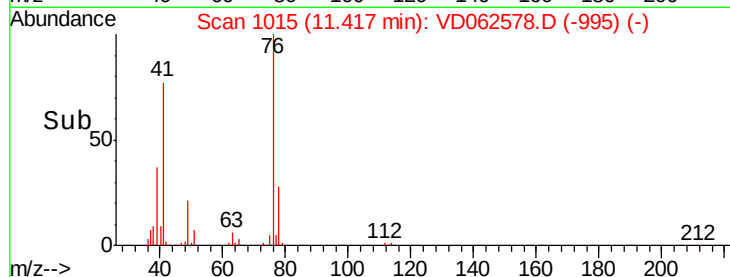
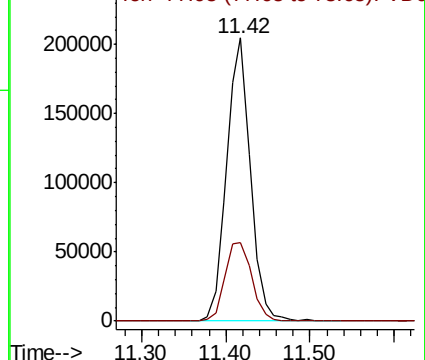
76 100

78 27.5 26.7 40.1



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 269.916 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.01 min

Lab File: VD062578.D

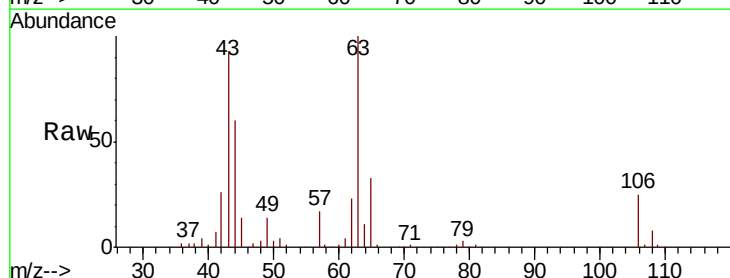
Acq: 31 May 2019 21:46

Tgt Ion: 63 Resp: 634150

Ion Ratio Lower Upper

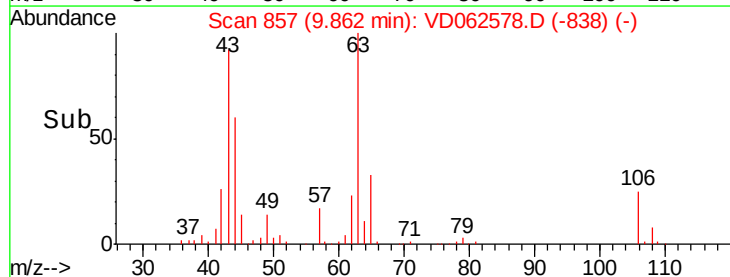
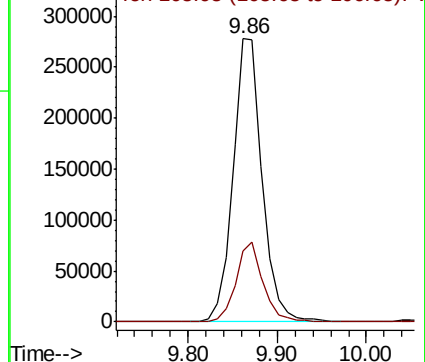
63 100

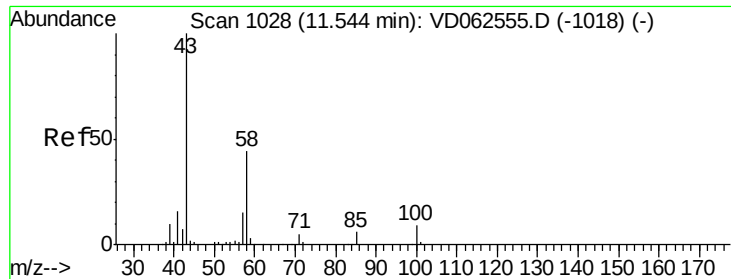
106 24.9 21.0 31.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

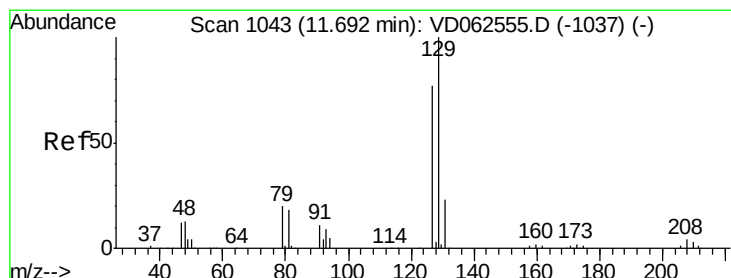
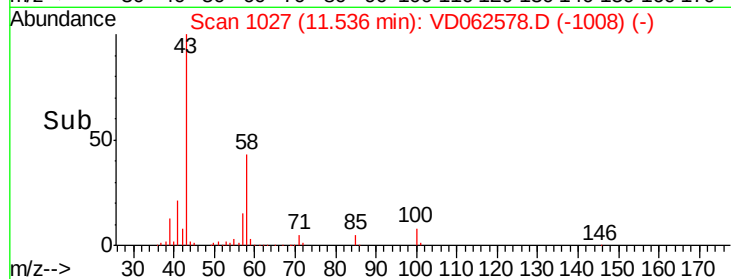
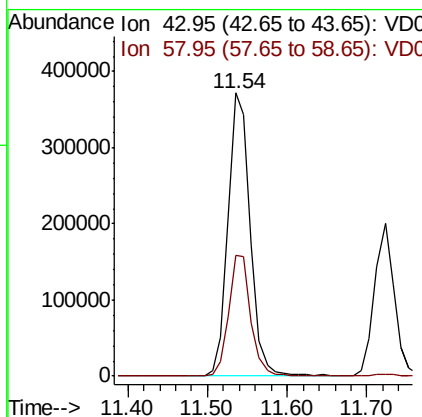
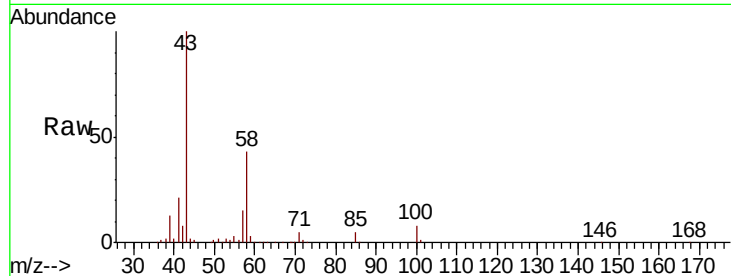




#59
2-Hexanone
Concen: 291.614 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.01 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

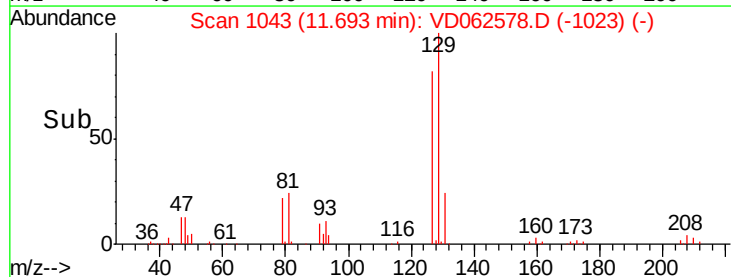
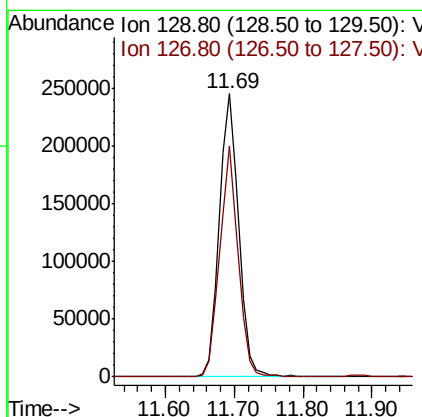
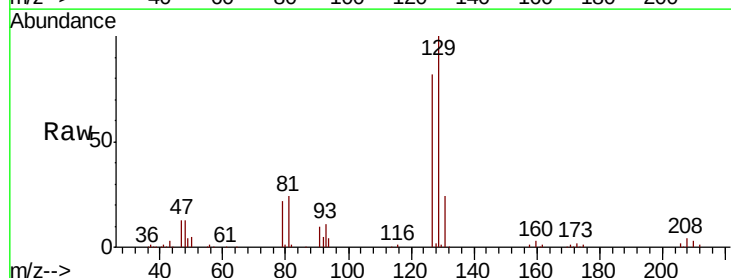
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

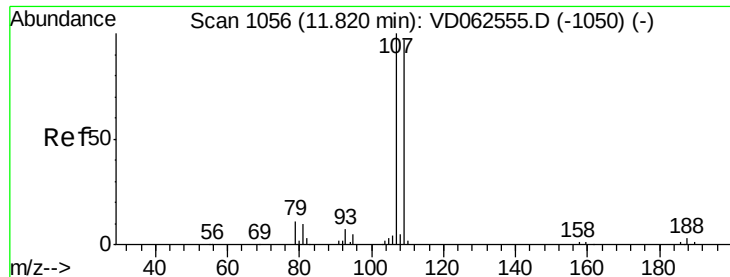
Tot Ion: 43 Resp: 732210
Ion Ratio Lower Upper
43 100
58 42.6 22.0 66.0



#60
Dibromochloromethane
Concen: 57.318 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

Tgt Ion: 129 Resp: 478734
Ion Ratio Lower Upper
129 100
127 81.7 38.6 115.8

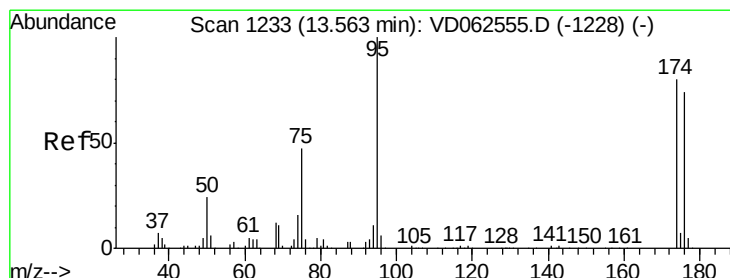
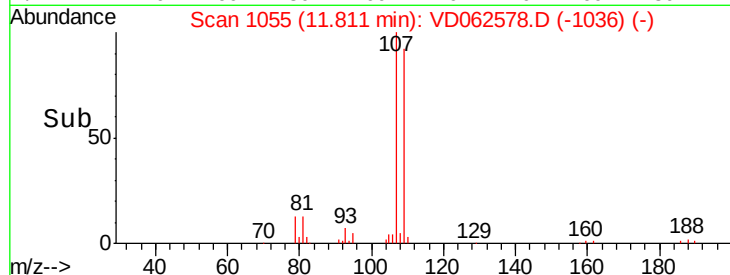
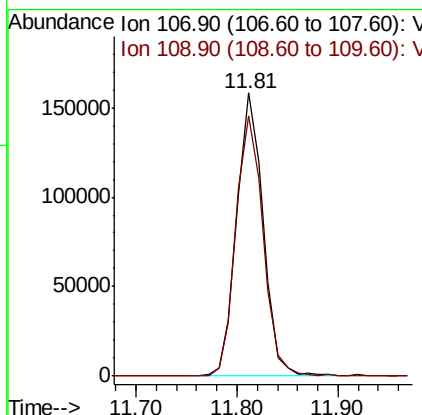
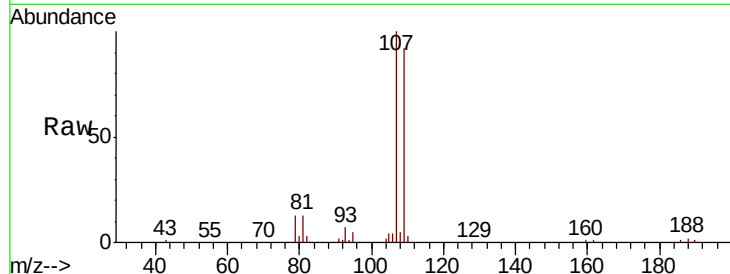




#61
 1,2-Dibromoethane
 Concen: 55.770 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: VD062578.D
 Acq: 31 May 2019 21:46

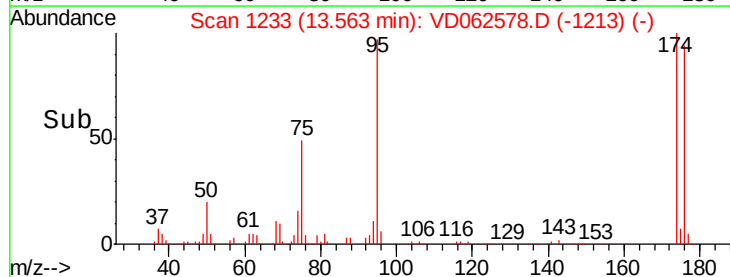
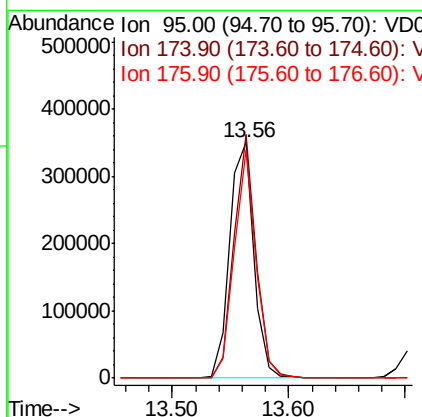
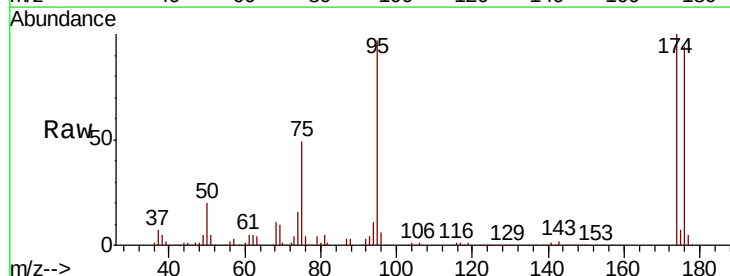
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

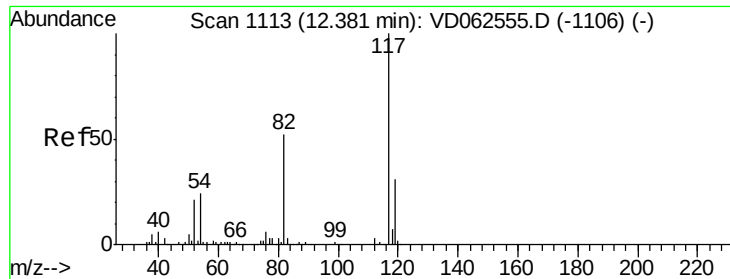
Tot Ion:107 Resp: 288347
 Ion Ratio Lower Upper
 107 100
 109 92.1 77.3 115.9



#62
 4-Bromofluorobenzene
 Concen: 56.994 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD062578.D
 Acq: 31 May 2019 21:46

Tgt Ion: 95 Resp: 504100
 Ion Ratio Lower Upper
 95 100
 174 103.4 0.0 160.2
 176 97.0 0.0 148.0

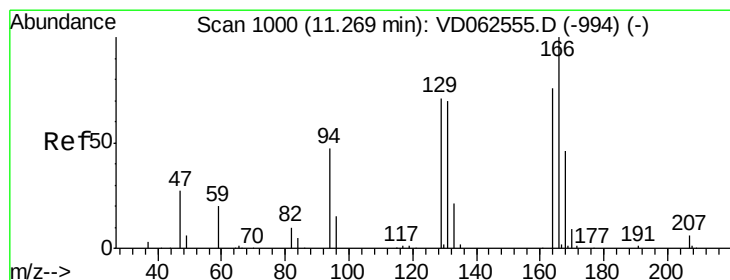
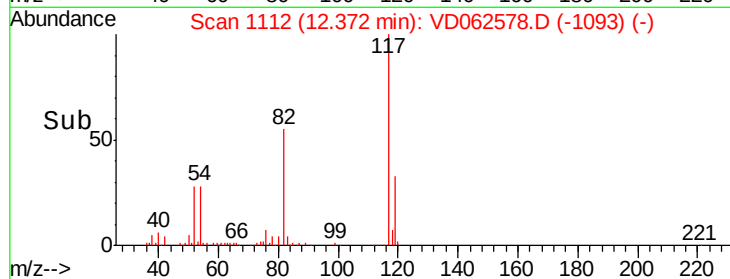
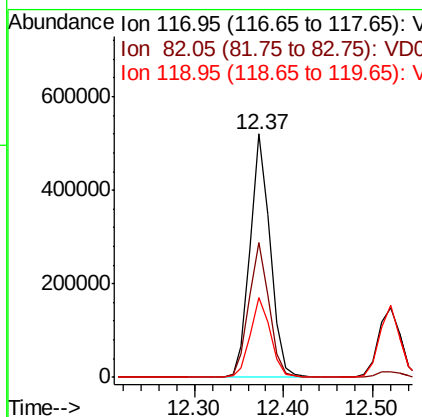
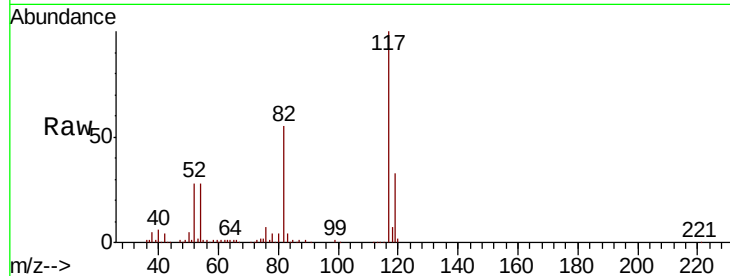




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

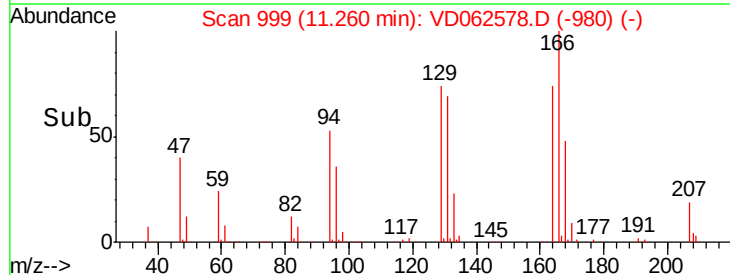
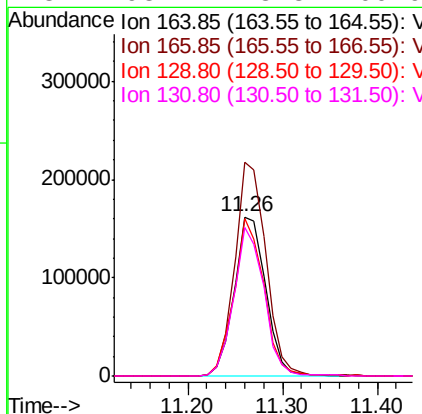
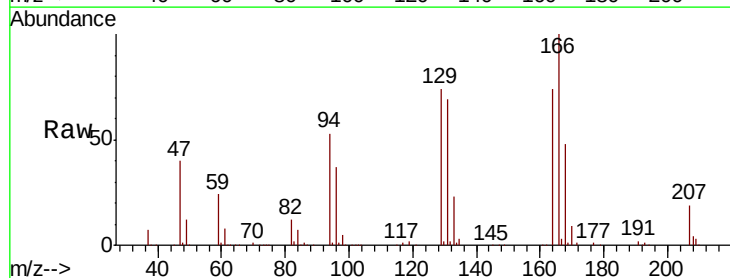
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

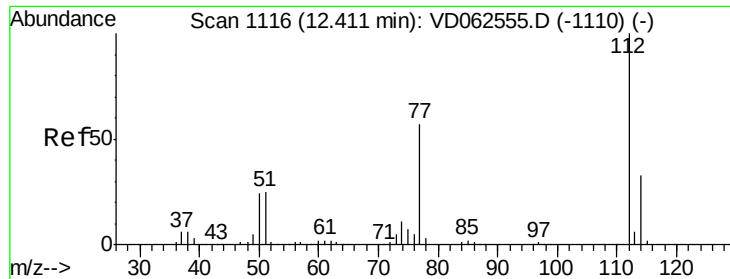
Tot Ion:117 Resp: 810150
Ion Ratio Lower Upper
117 100
82 55.4 41.4 62.2
119 32.5 24.9 37.3



#64
Tetrachloroethene
Concen: 52.009 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.01 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

Tgt Ion:164 Resp: 372471
Ion Ratio Lower Upper
164 100
166 134.5 105.3 157.9
129 99.0 75.3 112.9
131 93.1 73.3 109.9

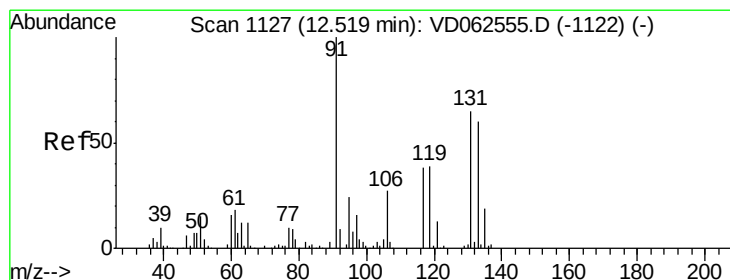
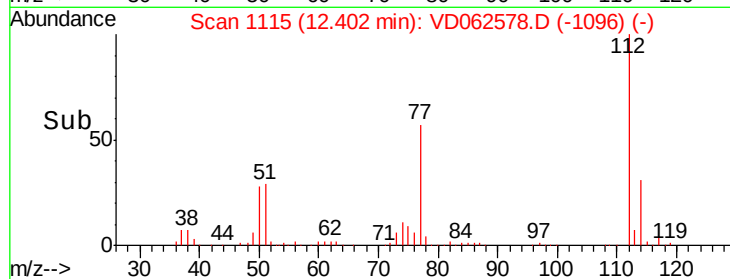
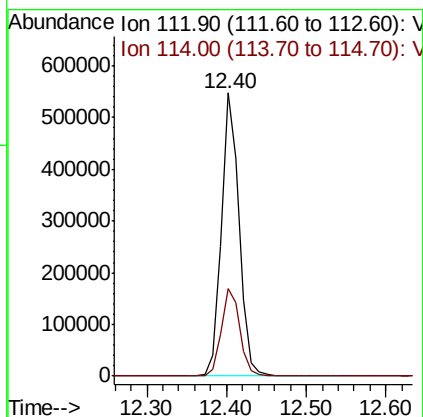
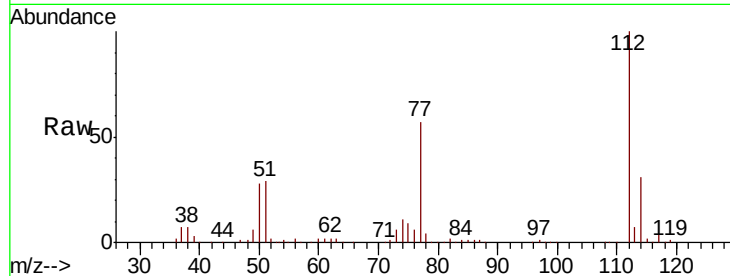




#65
Chlorobenzene
Concen: 54.513 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.01 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

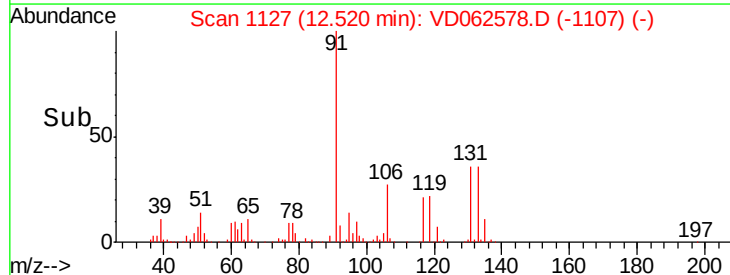
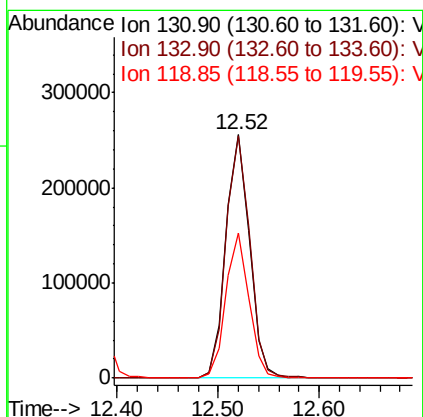
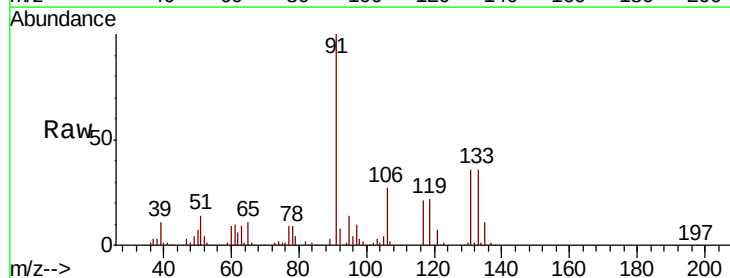
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

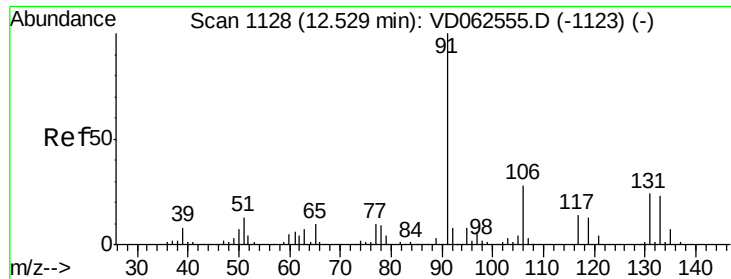
Tot Ion:112 Resp: 860354
Ion Ratio Lower Upper
112 100
114 30.9 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 56.361 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

Tgt Ion:131 Resp: 420681
Ion Ratio Lower Upper
131 100
133 99.4 46.2 138.6
119 59.7 29.5 88.6

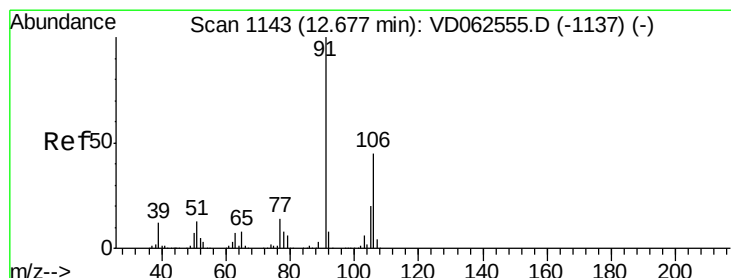
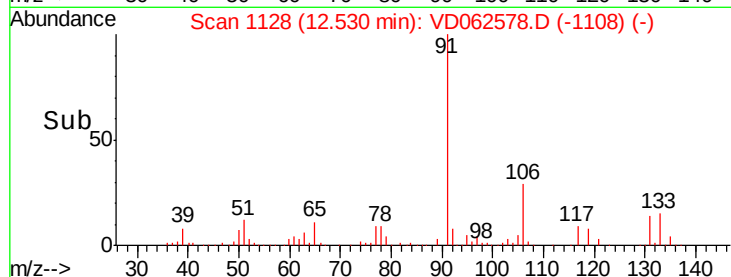
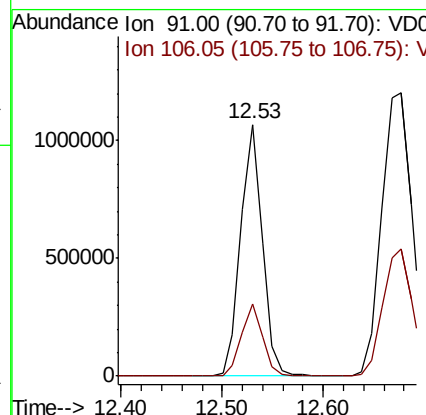
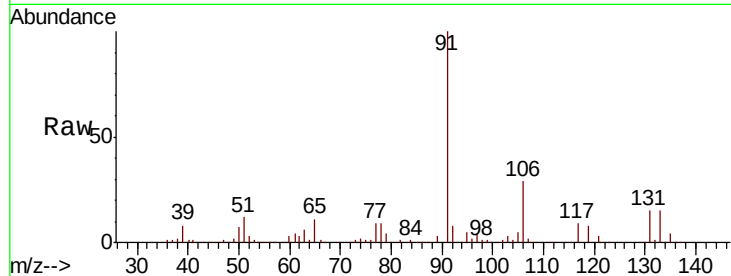




#67
Ethyl Benzene
Concen: 55.199 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

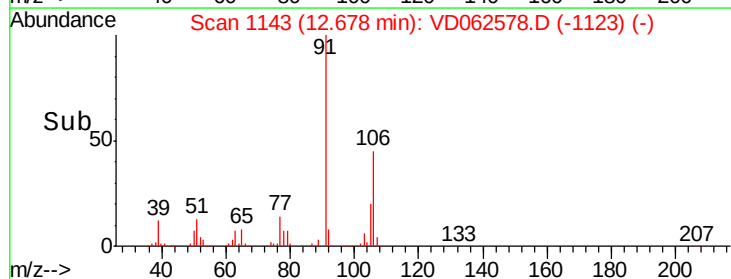
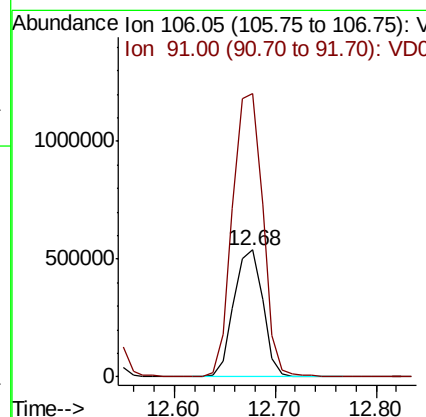
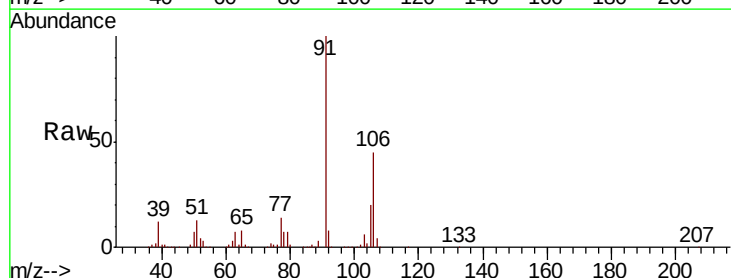
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

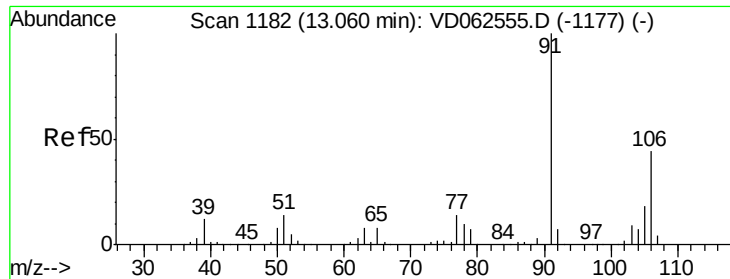
Tot Ion: 91 Resp: 1596145
Ion Ratio Lower Upper
91 100
106 28.8 22.2 33.2



#68
m/p-Xylenes
Concen: 108.707 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

Tgt Ion:106 Resp: 1087393
Ion Ratio Lower Upper
106 100
91 223.1 178.9 268.3

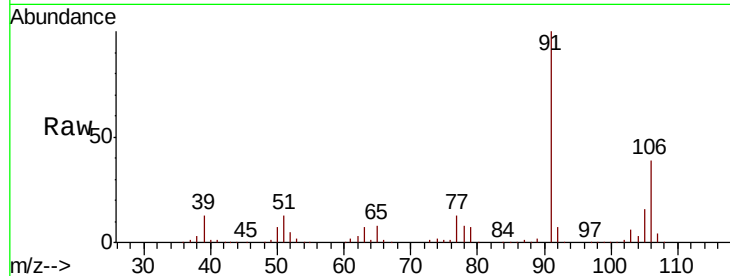




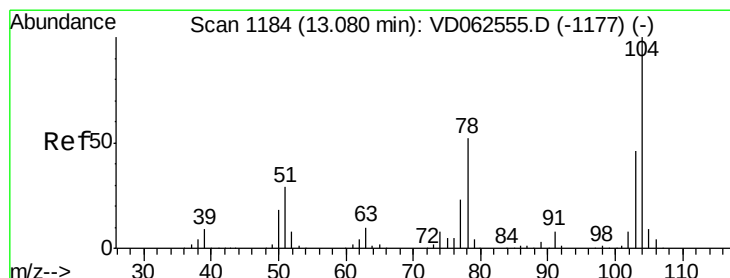
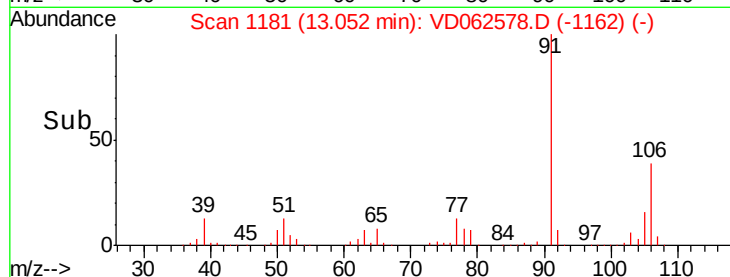
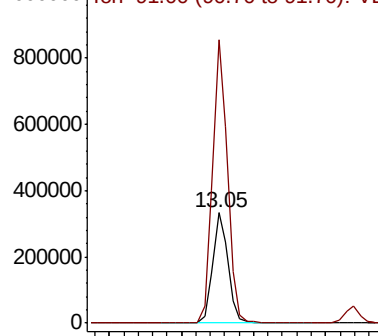
#69
o-Xylene
Concen: 51.854 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 494807
Ion Ratio Lower Upper
106 100
91 257.1 113.9 341.8

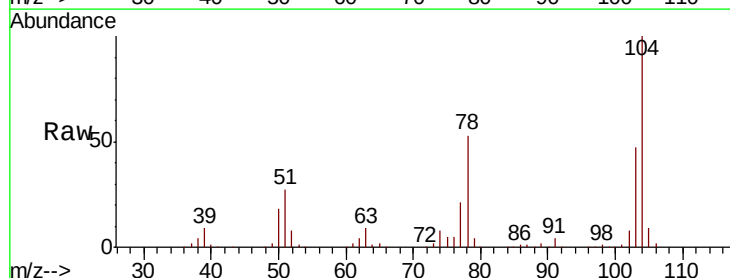


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

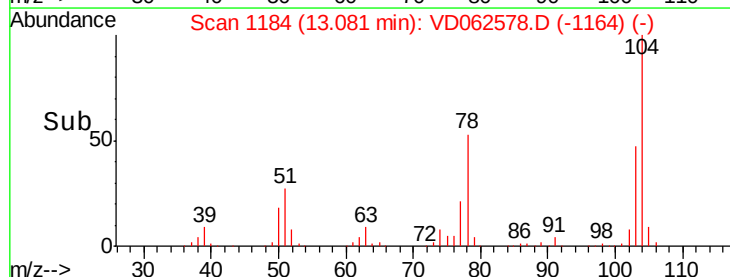
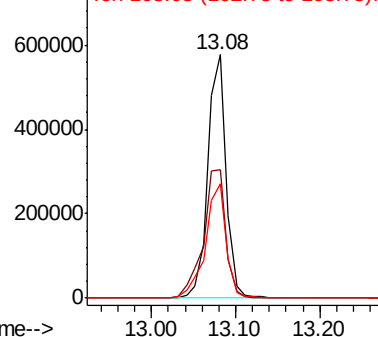


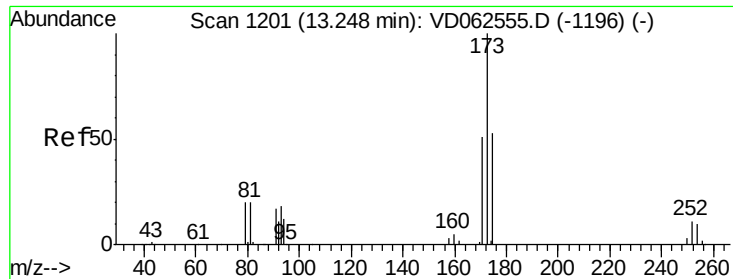
#70
Styrene
Concen: 53.491 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

Tgt Ion:104 Resp: 866670
Ion Ratio Lower Upper
104 100
78 53.0 41.5 62.3
103 46.7 36.6 55.0



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





#71

Bromoform

Concen: 57.403 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

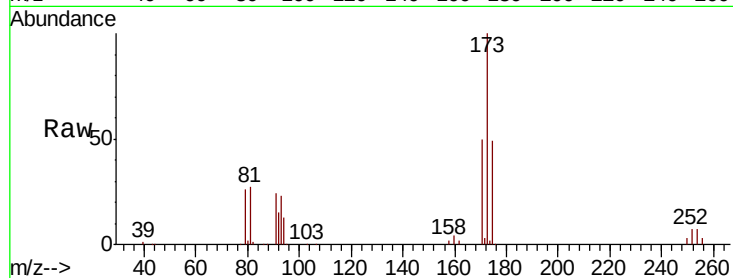
Tot Ion:173 Resp: 300771

Ion Ratio Lower Upper

173 100

175 49.1 26.6 79.7

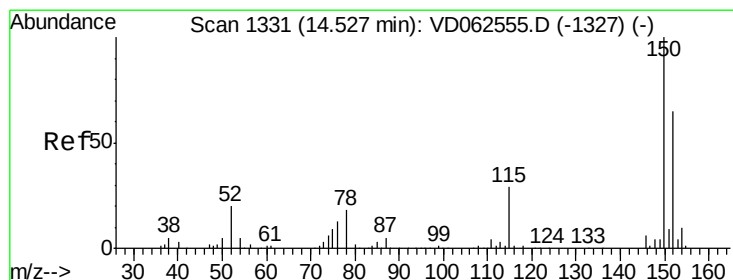
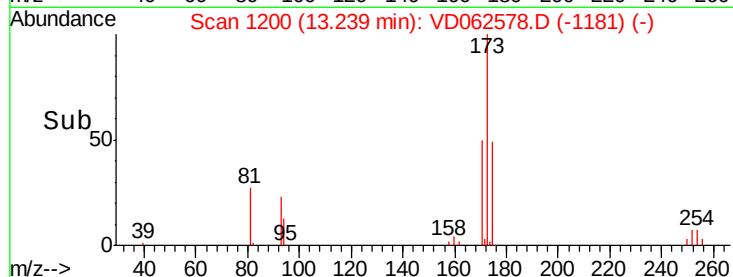
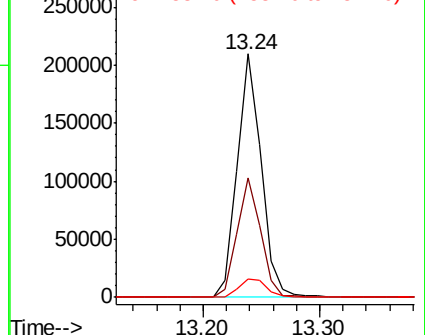
254 7.4 8.1 12.1#



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: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

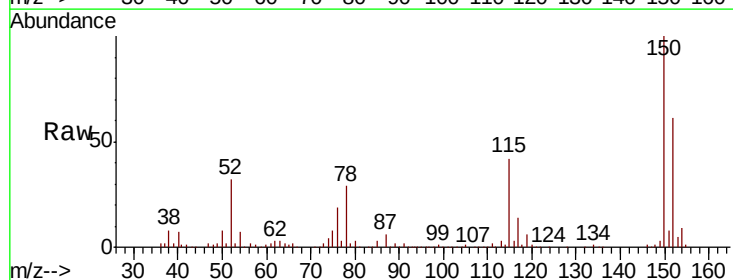
Tgt Ion:152 Resp: 452396

Ion Ratio Lower Upper

152 100

115 68.1 28.4 85.3

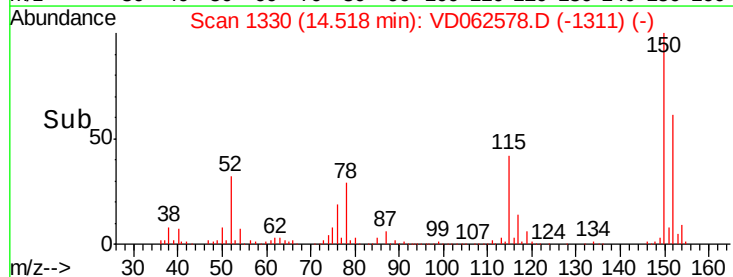
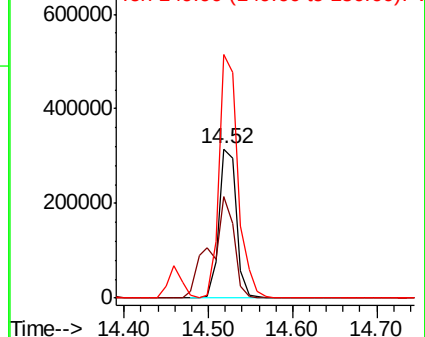
150 163.0 0.0 310.4

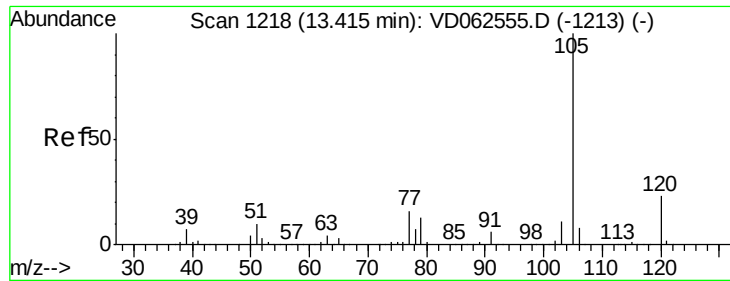


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.958 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

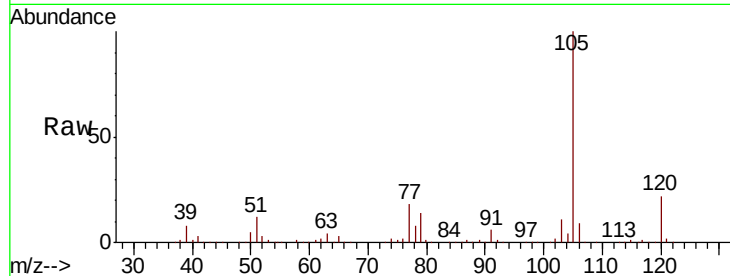
VSTDCCC050EC

Tot Ion:105 Resp: 1609289

Ion Ratio Lower Upper

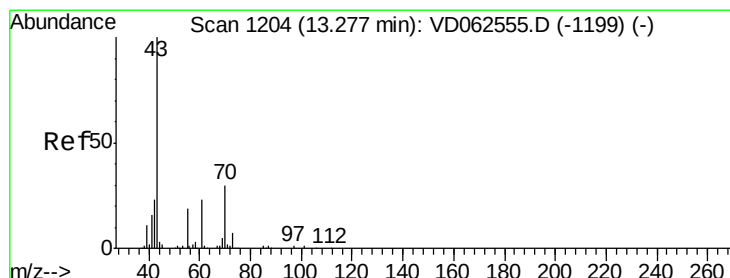
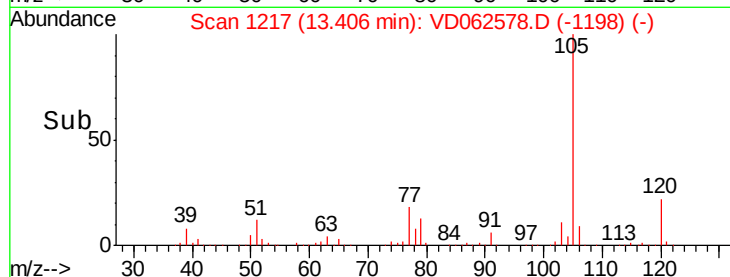
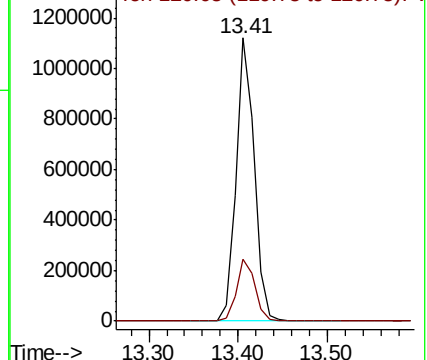
105 100

120 22.0 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 58.935 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Tgt Ion: 43 Resp: 448178

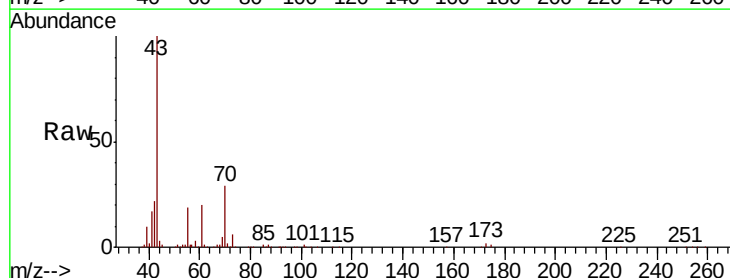
Ion Ratio Lower Upper

43 100

70 29.1 23.7 35.5

55 19.1 15.0 22.4

61 20.3 18.4 27.6

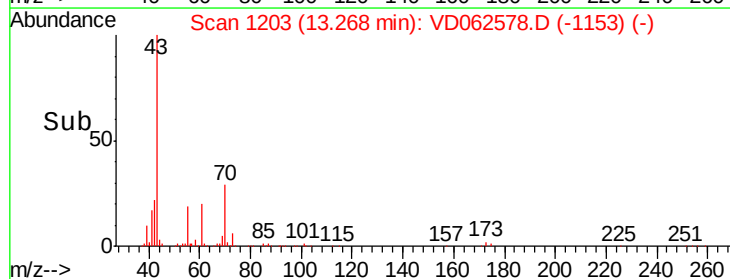
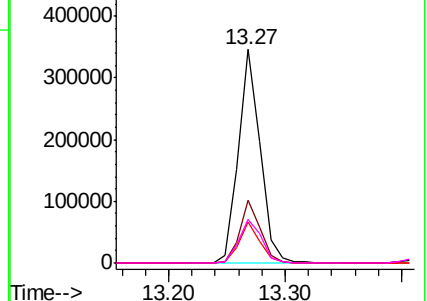


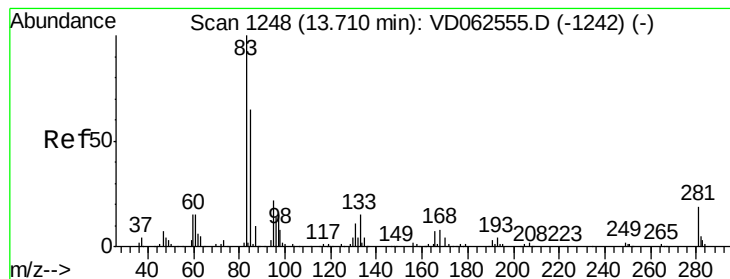
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 58.224 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

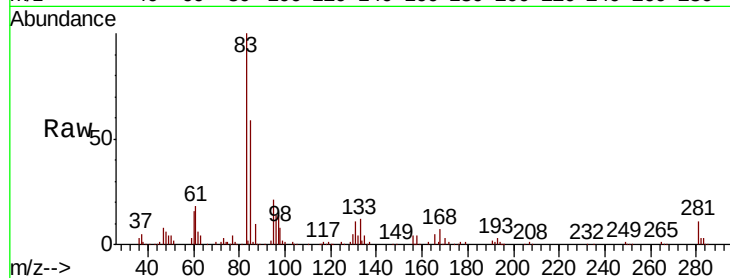
Tot Ion: 83 Resp: 275400

Ion Ratio Lower Upper

83 100

131 10.5 5.7 17.1

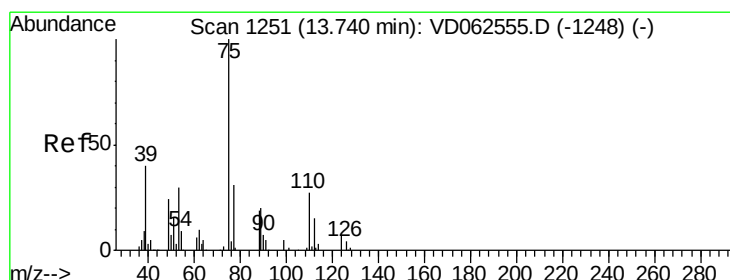
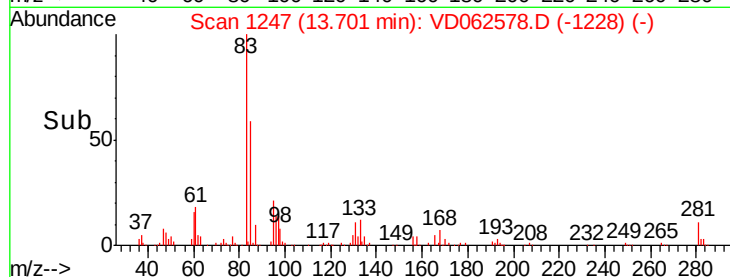
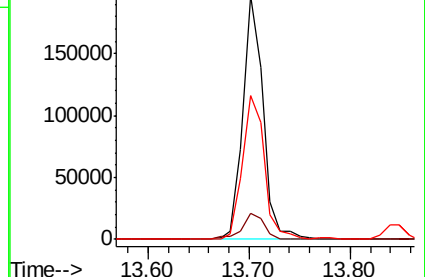
85 59.3 32.6 97.8



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: 56.559 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD062578.D

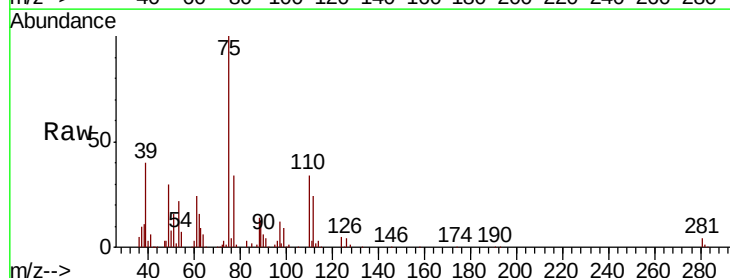
Acq: 31 May 2019 21:46

Tgt Ion: 75 Resp: 306971

Ion Ratio Lower Upper

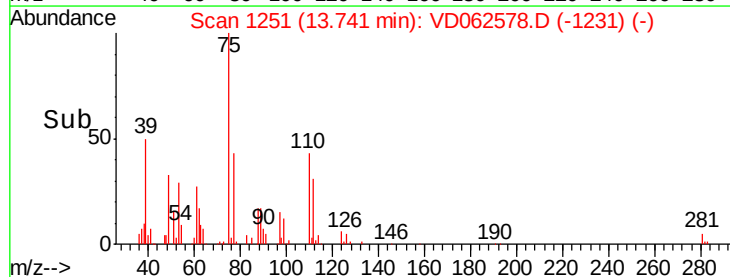
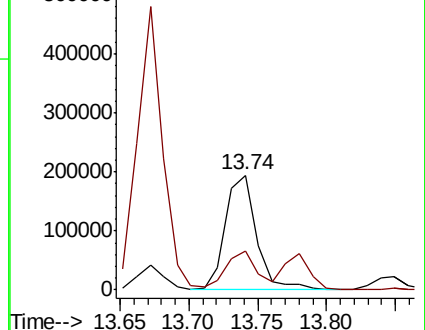
75 100

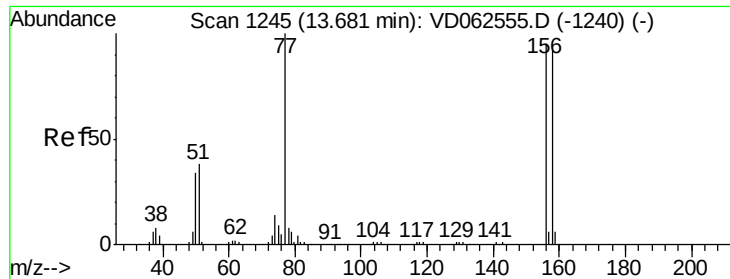
77 34.1 16.5 49.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

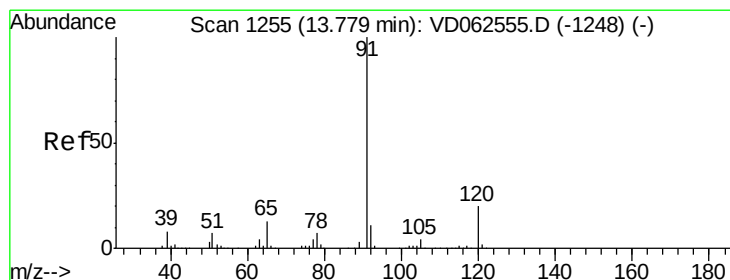
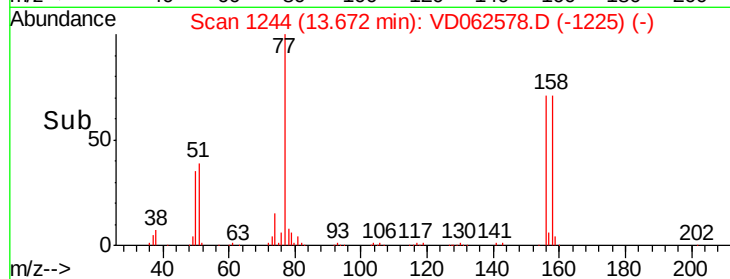
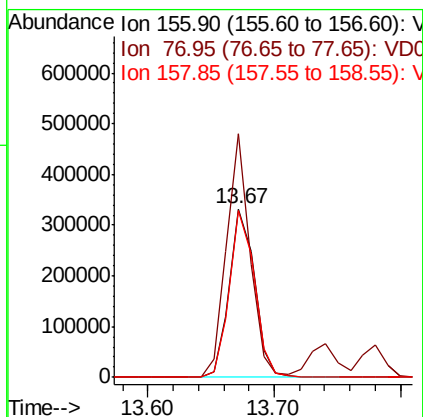
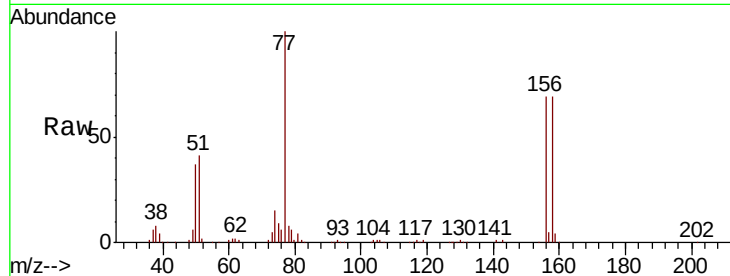




#77
Bromobenzene
Concen: 55.951 ug/l
RT: 13.67 min Scan# 1244
Delta R.T. -0.01 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

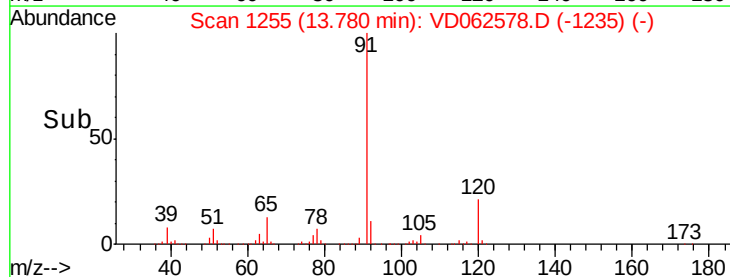
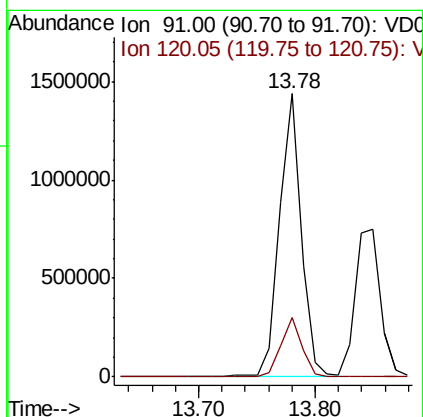
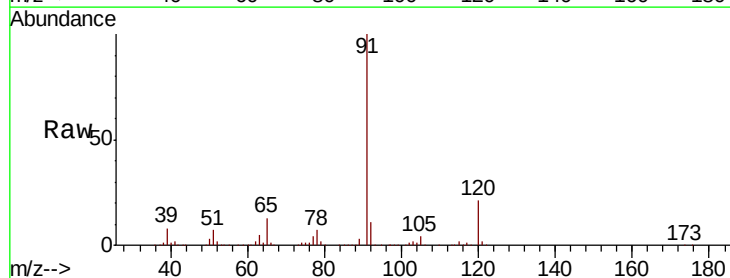
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

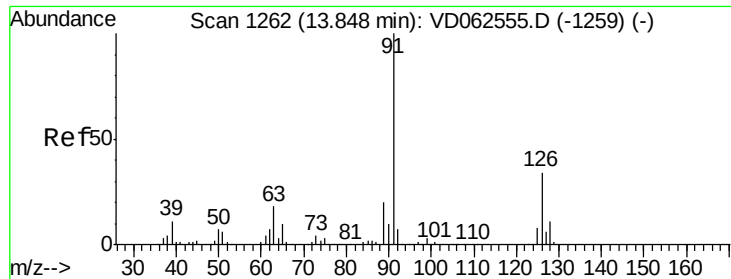
Tot Ion:156 Resp: 457535
Ion Ratio Lower Upper
156 100
77 144.8 52.9 158.7
158 99.5 48.5 145.5



#78
n-propylbenzene
Concen: 54.288 ug/l
RT: 13.78 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

Tgt Ion: 91 Resp: 1866278
Ion Ratio Lower Upper
91 100
120 20.8 10.0 29.8

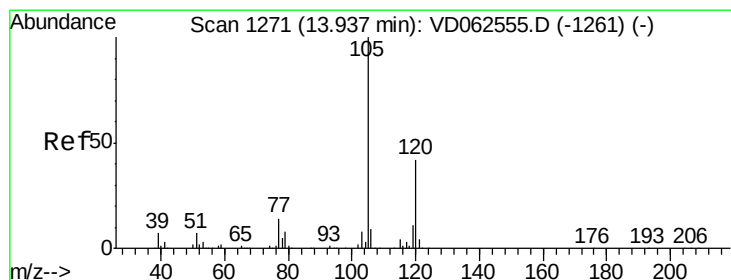
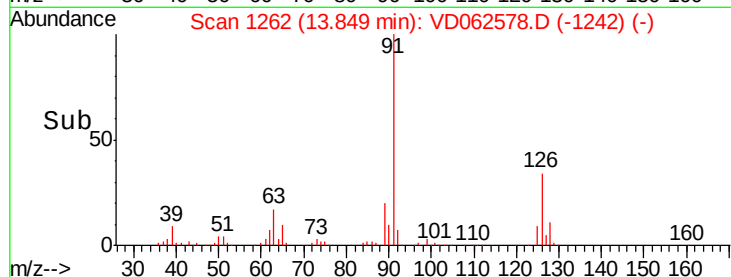
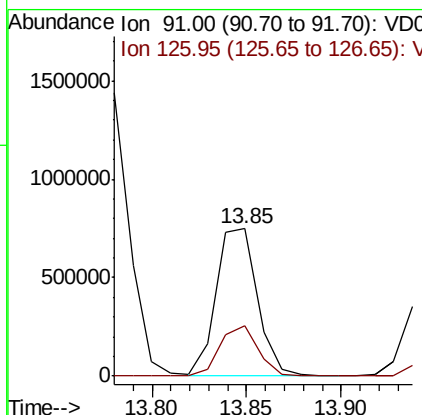
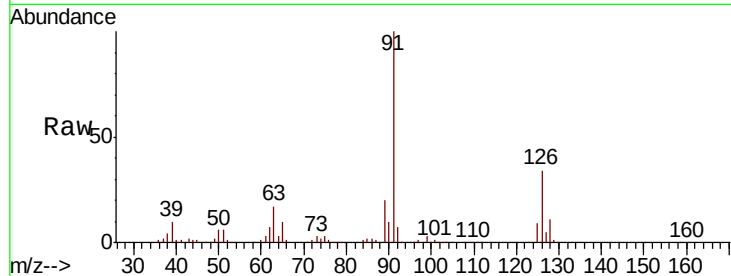




#79
 2-Chlorotoluene
 Concen: 56.296 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VD062578.D
 Acq: 31 May 2019 21:46

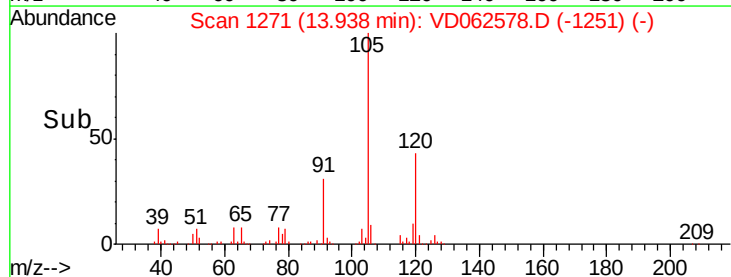
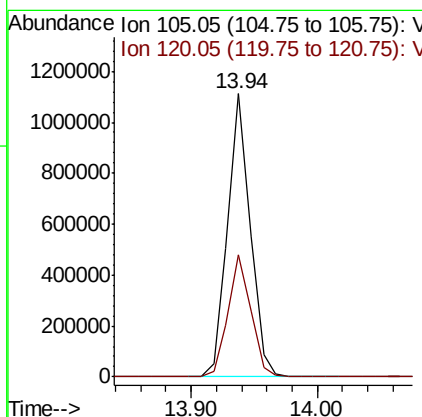
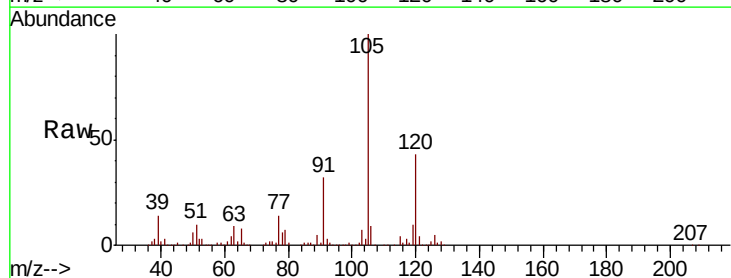
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

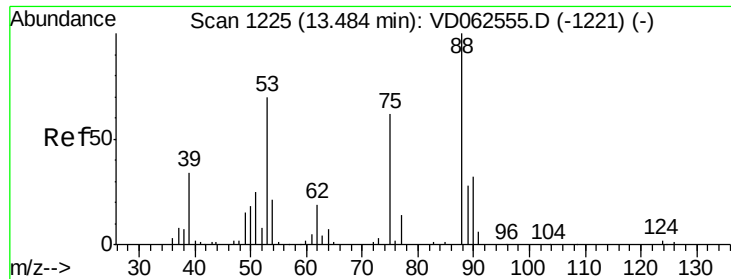
Tot Ion: 91 Resp: 1122151
 Ion Ratio Lower Upper
 91 100
 126 34.1 16.7 50.1



#80
 1,3,5-Trimethylbenzene
 Concen: 53.755 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD062578.D
 Acq: 31 May 2019 21:46

Tgt Ion:105 Resp: 1369941
 Ion Ratio Lower Upper
 105 100
 120 43.0 20.8 62.5





#81

trans-1,4-Dichloro-2-butene

Concen: 49.708 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

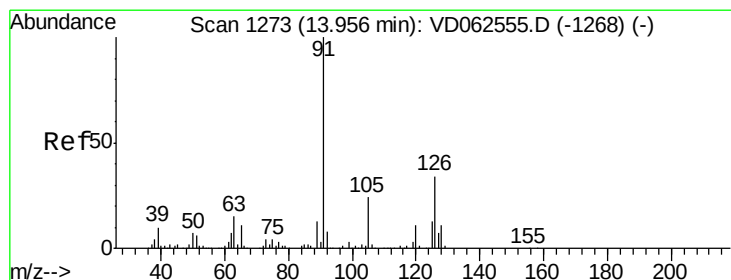
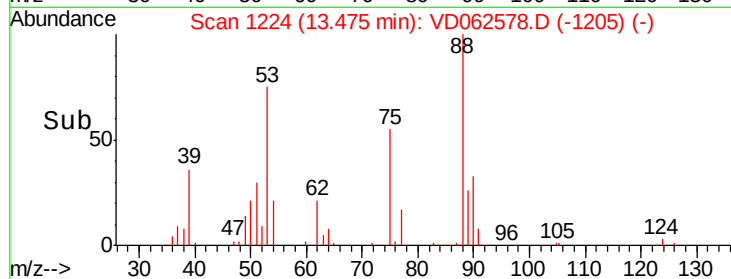
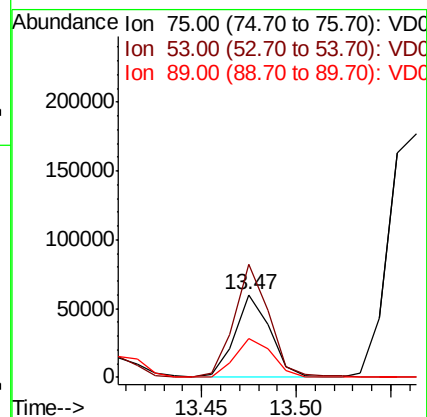
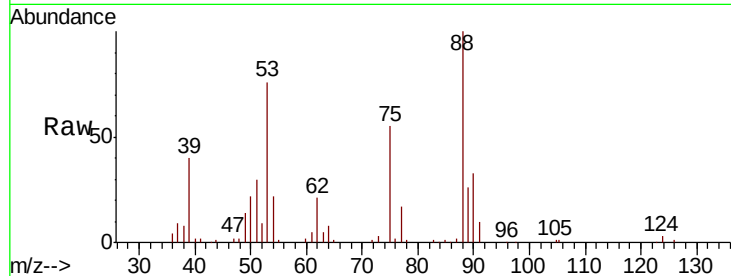
Tot Ion: 75 Resp: 77306

Ion Ratio Lower Upper

75 100

53 137.8 91.0 136.4#

89 47.3 36.9 55.3



#82

4-Chlorotoluene

Concen: 57.522 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.01 min

Lab File: VD062578.D

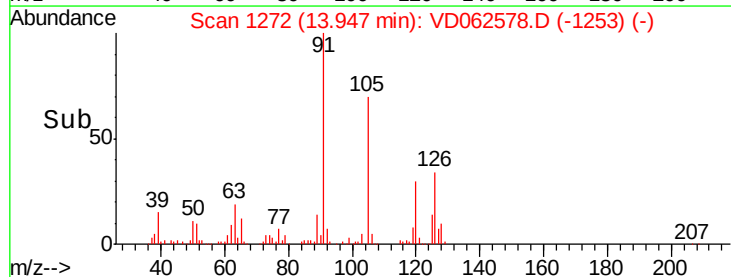
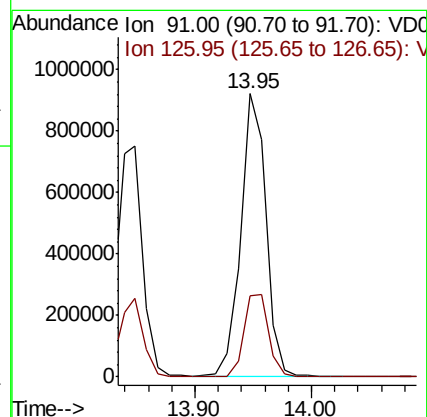
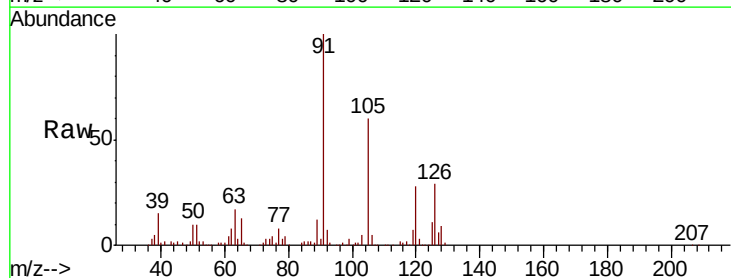
Acq: 31 May 2019 21:46

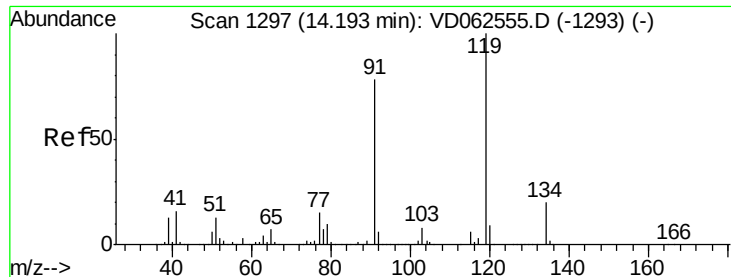
Tgt Ion: 91 Resp: 1372666

Ion Ratio Lower Upper

91 100

126 28.8 16.9 50.7

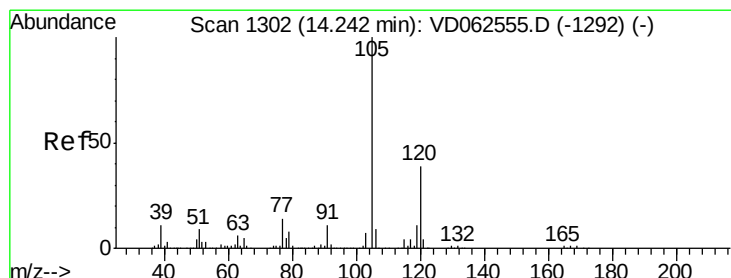
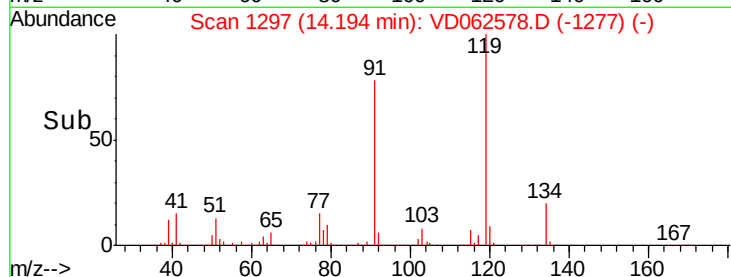
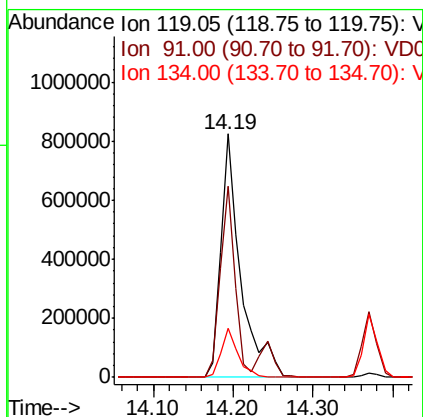
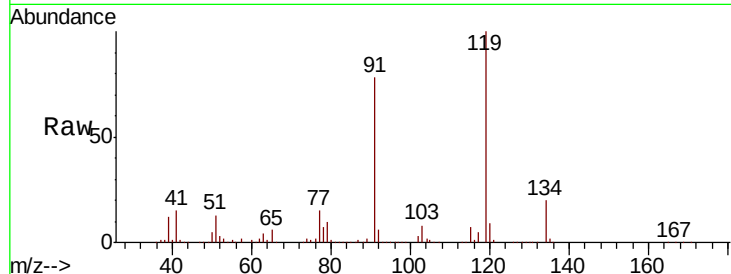




#83
 tert-Butylbenzene
 Concen: 50.881 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD062578.D
 Acq: 31 May 2019 21:46

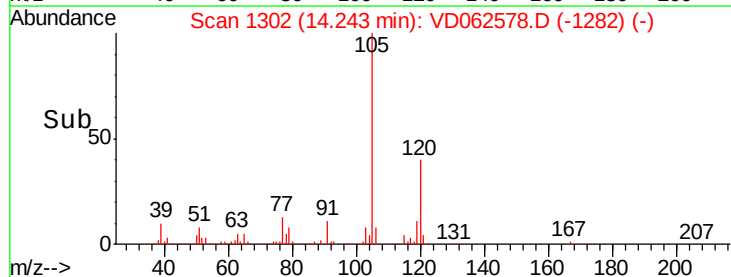
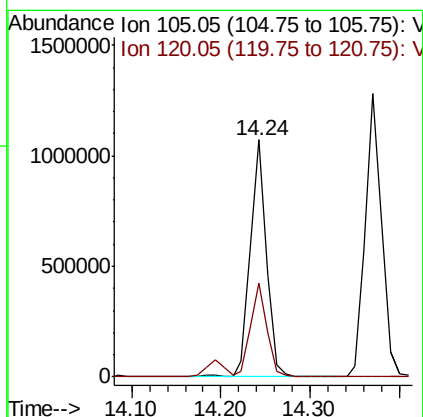
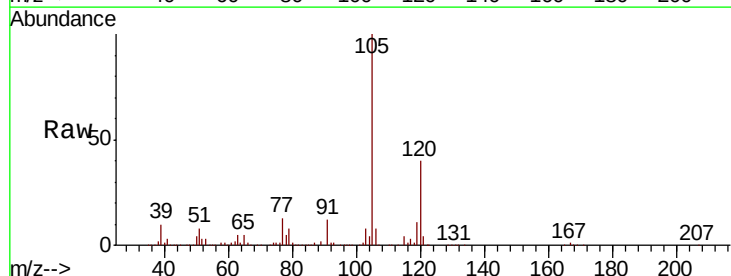
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

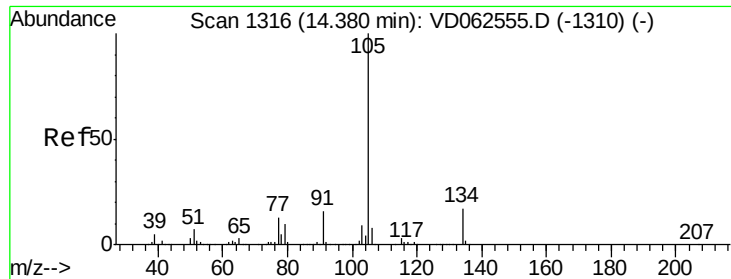
Tot Ion:119 Resp: 1446915
 Ion Ratio Lower Upper
 119 100
 91 78.3 39.1 117.5
 134 20.3 10.1 30.3



#84
 1,2,4-Trimethylbenzene
 Concen: 51.427 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD062578.D
 Acq: 31 May 2019 21:46

Tgt Ion:105 Resp: 1335521
 Ion Ratio Lower Upper
 105 100
 120 39.6 19.6 58.8





#85

sec-Butylbenzene

Concen: 53.460 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleID :

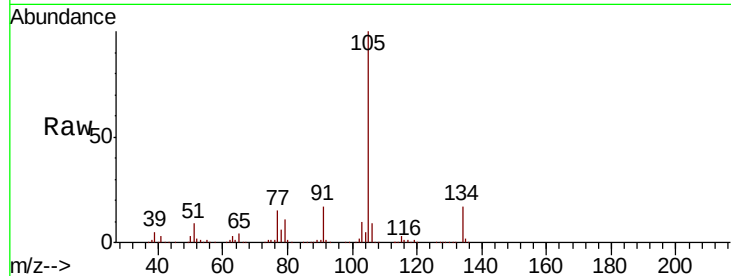
VSTDCCC050EC

Tot Ion:105 Resp: 1610459

Ion Ratio Lower Upper

105 100

134 16.7 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

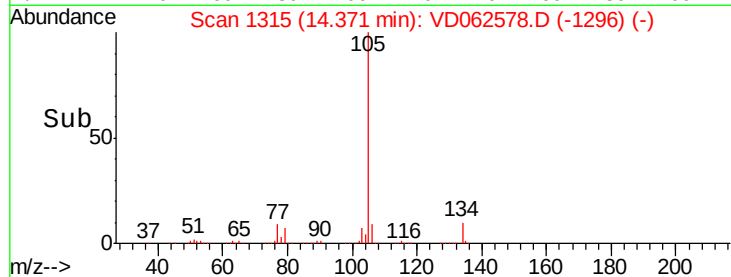
1500000

1000000

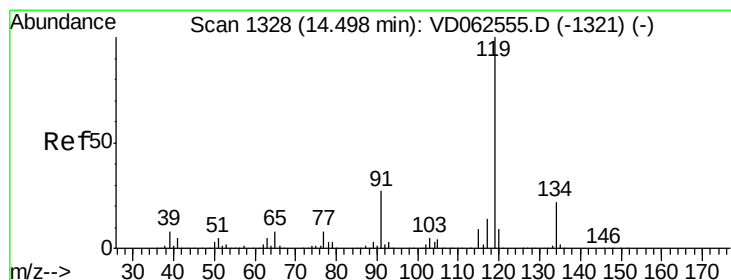
500000

0

14.30 14.40



Time-->



#86

p-Isopropyltoluene

Concen: 58.171 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.00 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

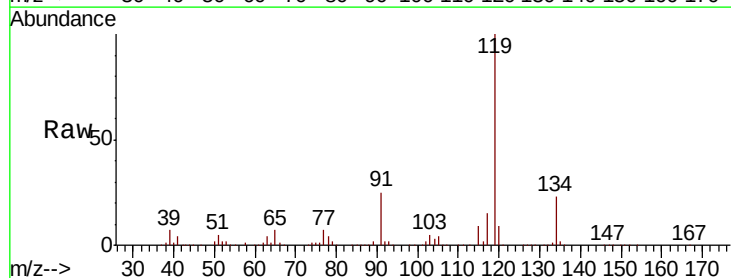
Tgt Ion:119 Resp: 1637191

Ion Ratio Lower Upper

119 100

134 23.5 11.2 33.6

91 25.1 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

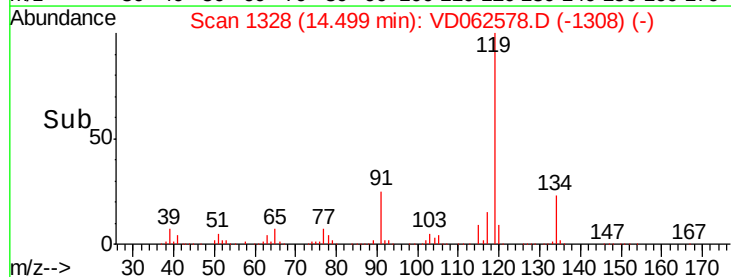
1500000

1000000

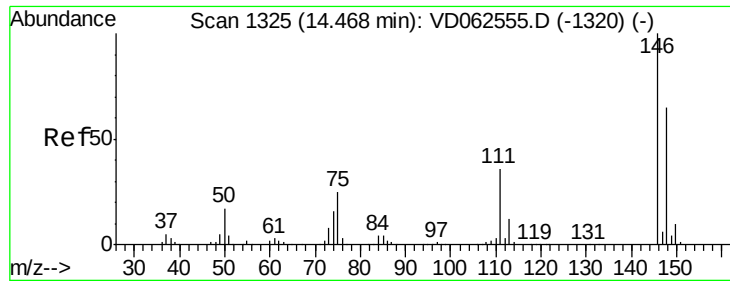
500000

0

14.40 14.50 14.60



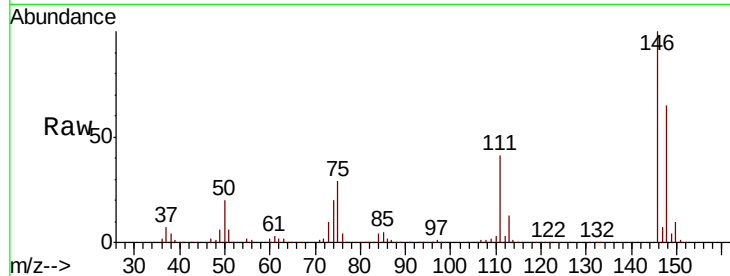
Time-->



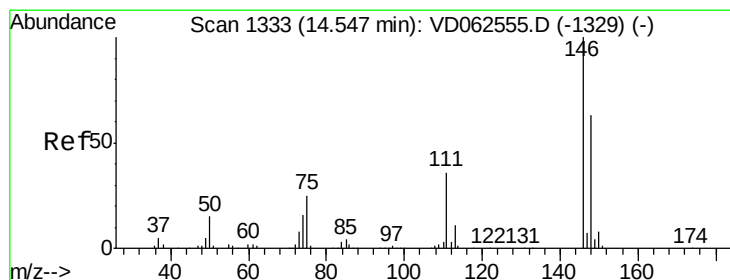
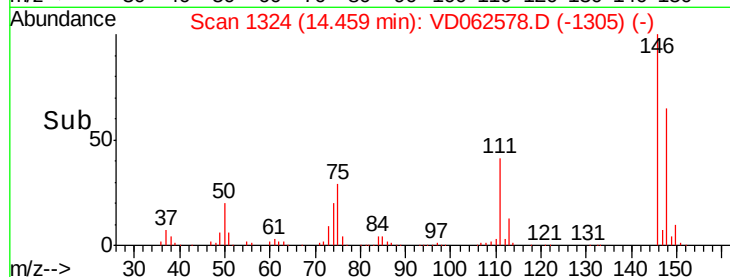
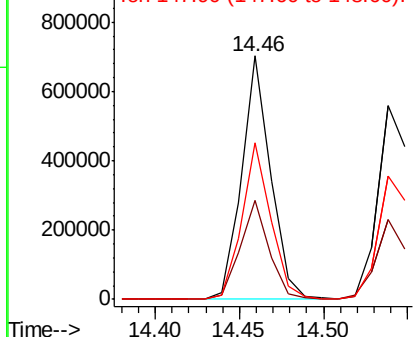
#87
 1,3-Dichlorobenzene
 Concen: 58.959 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD062578.D
 Acq: 31 May 2019 21:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 835741
 Ion Ratio Lower Upper
 146 100
 111 40.6 18.1 54.4
 148 64.5 32.3 96.9

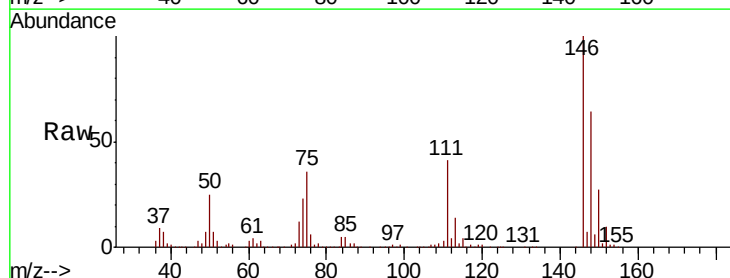


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

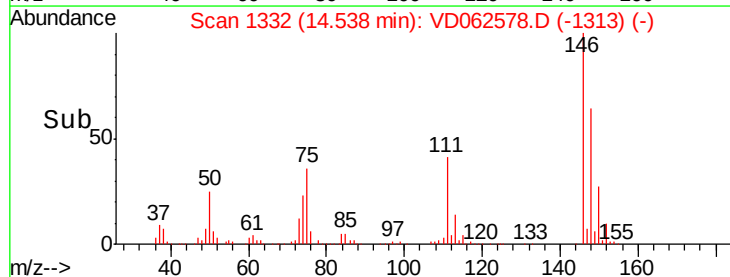
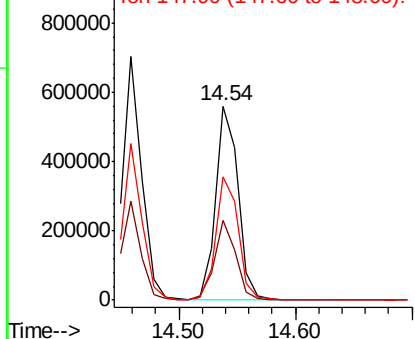


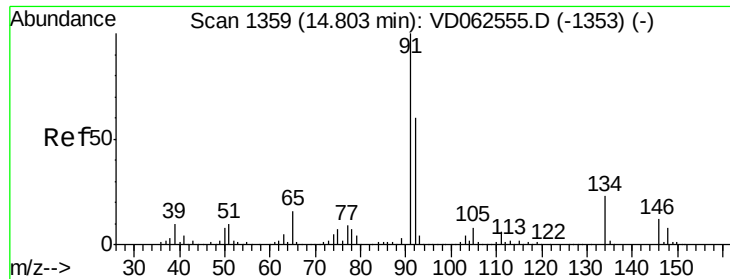
#88
 1,4-Dichlorobenzene
 Concen: 52.159 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD062578.D
 Acq: 31 May 2019 21:46

Tgt Ion:146 Resp: 740924
 Ion Ratio Lower Upper
 146 100
 111 41.3 18.2 54.6
 148 63.6 31.6 94.8



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

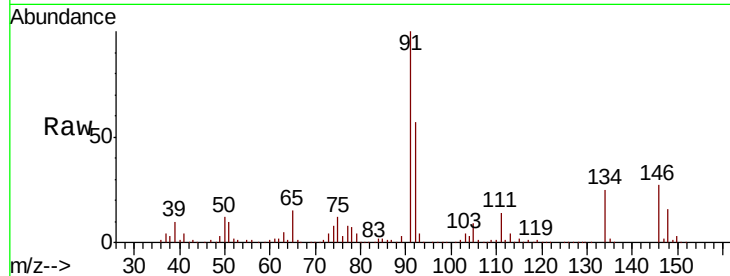




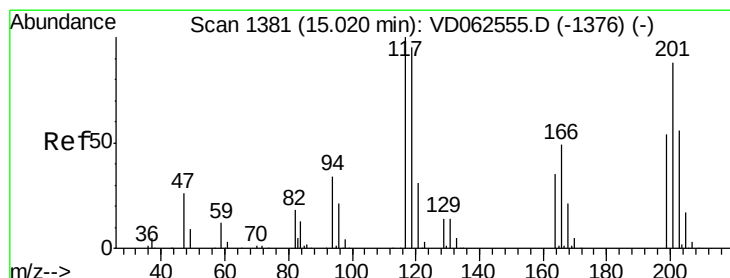
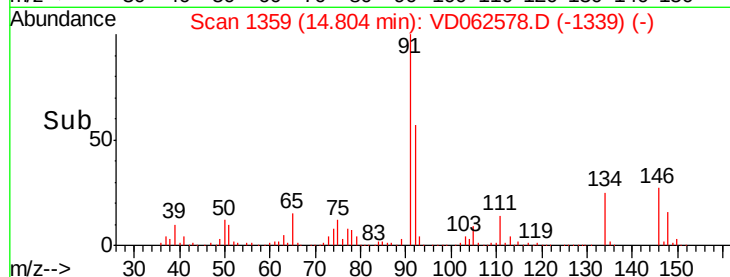
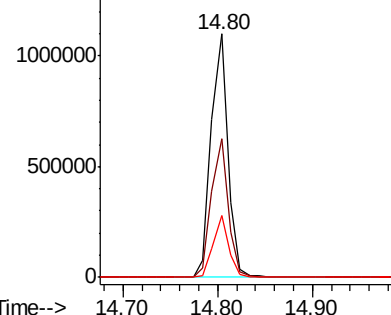
#89
n-Butylbenzene
Concen: 53.737 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1350096
Ion Ratio Lower Upper
91 100
92 57.1 29.8 89.4
134 25.5 11.3 33.8

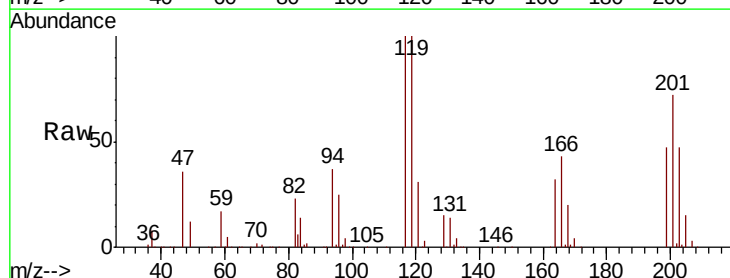


Abundance Ion 91.00 (90.70 to 91.70): VDC
1500000 Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

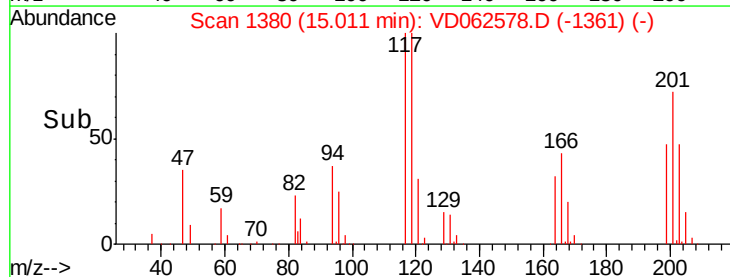
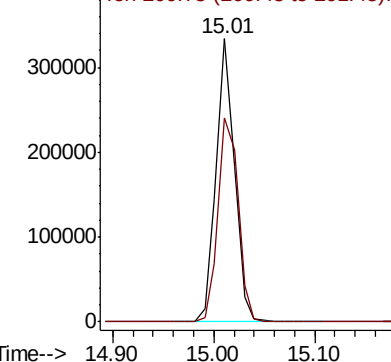


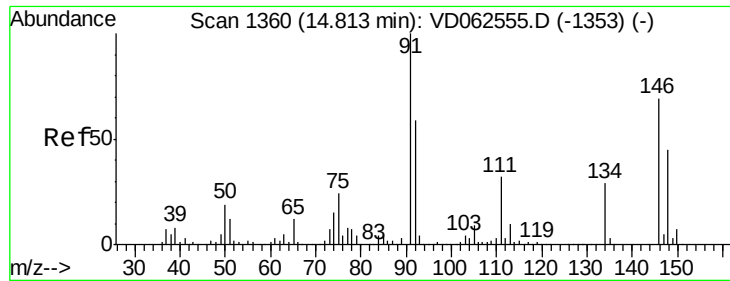
#90
Hexachloroethane
Concen: 56.633 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.01 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

Tgt Ion: 117 Resp: 422869
Ion Ratio Lower Upper
117 100
201 71.9 43.8 131.4



Abundance Ion 116.85 (116.55 to 117.55): V
400000 Ion 200.75 (200.45 to 201.45): V

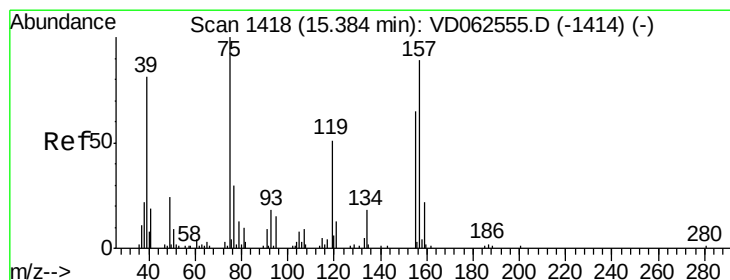
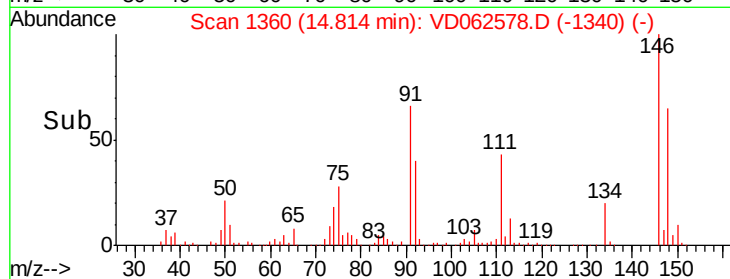
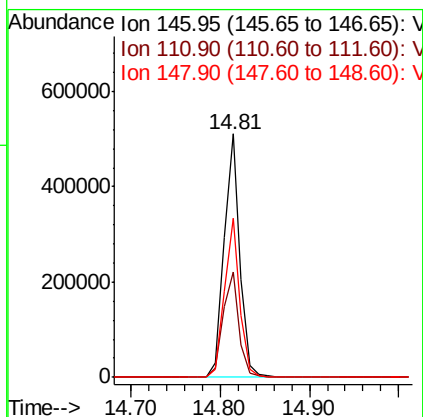
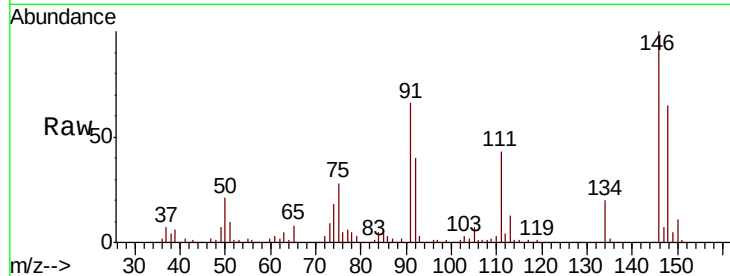




#91
 1,2-Dichlorobenzene
 Concen: 53.578 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD062578.D
 Acq: 31 May 2019 21:46

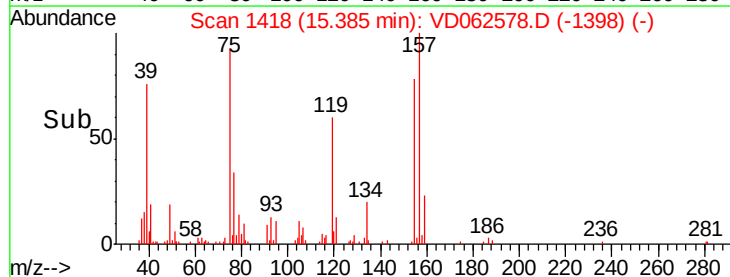
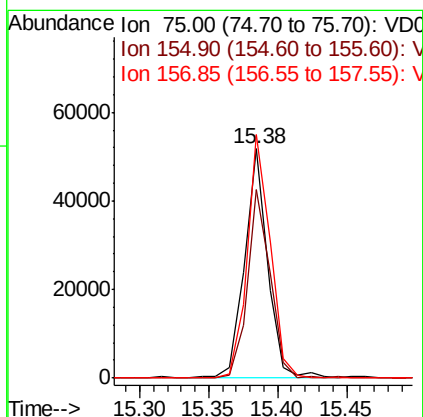
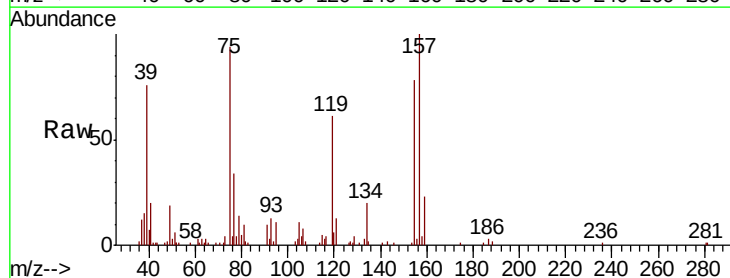
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

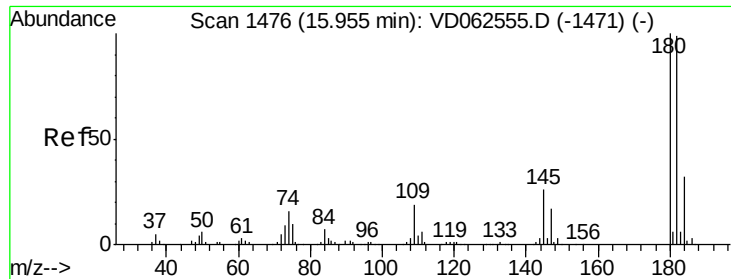
Tot Ion:146 Resp: 638892
 Ion Ratio Lower Upper
 146 100
 111 43.3 22.8 68.4
 148 65.2 32.3 96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 62.005 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD062578.D
 Acq: 31 May 2019 21:46

Tgt Ion: 75 Resp: 60815
 Ion Ratio Lower Upper
 75 100
 155 82.6 32.6 97.8
 157 106.3 44.5 133.7

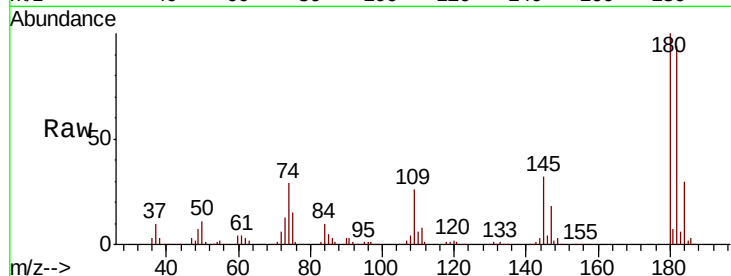




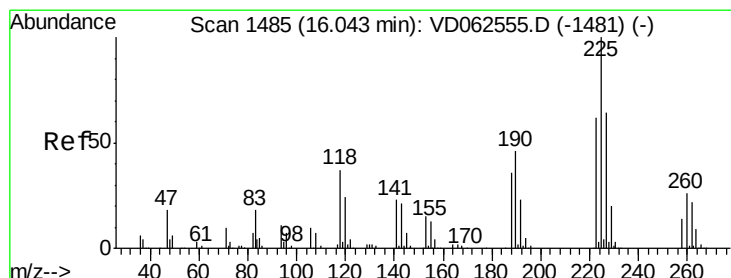
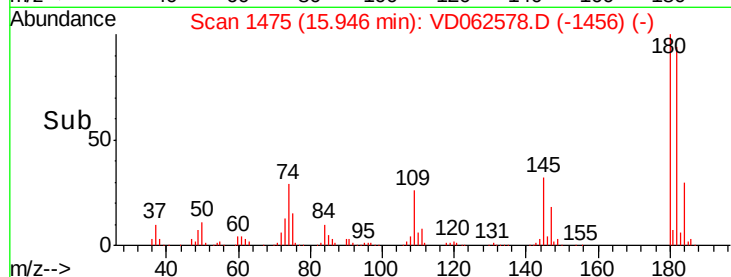
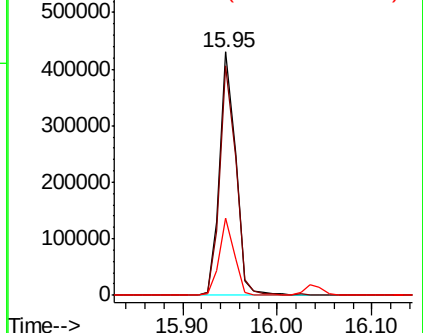
#93
 1,2,4-Trichlorobenzene
 Concen: 53.723 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD062578.D
 Acq: 31 May 2019 21:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 512235
 Ion Ratio Lower Upper
 180 100
 182 94.2 49.5 148.3
 145 31.6 13.1 39.3

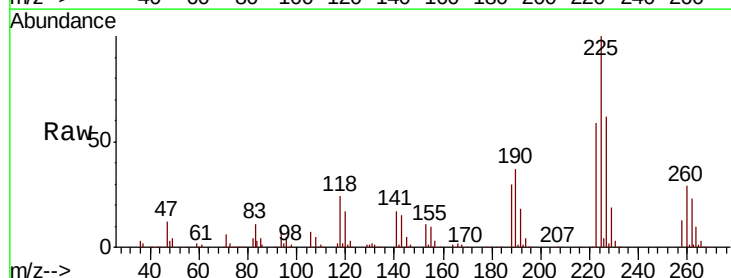


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

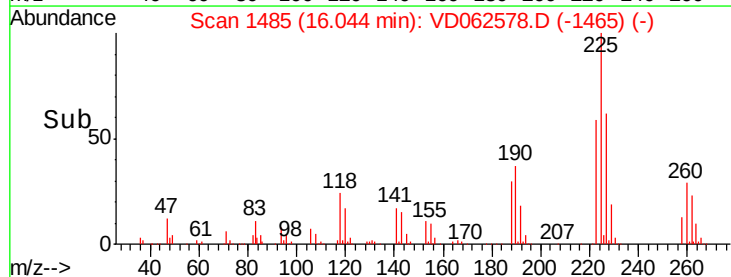
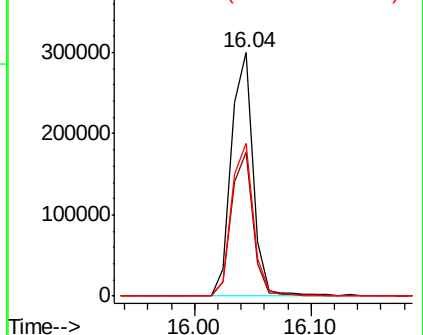


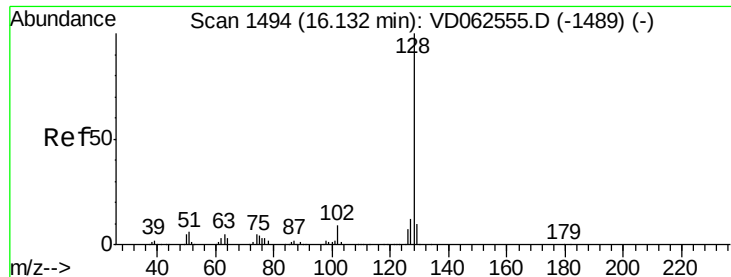
#94
 Hexachlorobutadiene
 Concen: 55.353 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD062578.D
 Acq: 31 May 2019 21:46

Tgt Ion:225 Resp: 389614
 Ion Ratio Lower Upper
 225 100
 223 59.2 31.1 93.5
 227 62.5 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

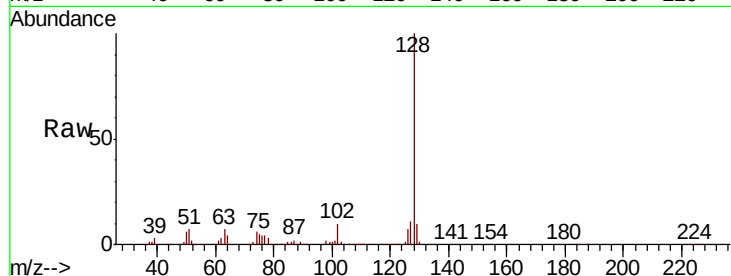




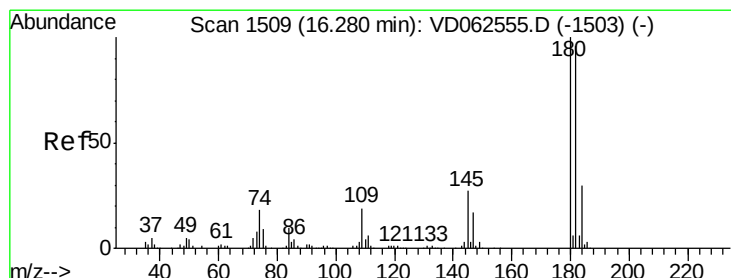
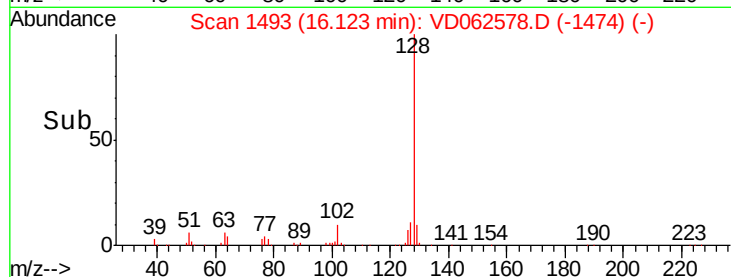
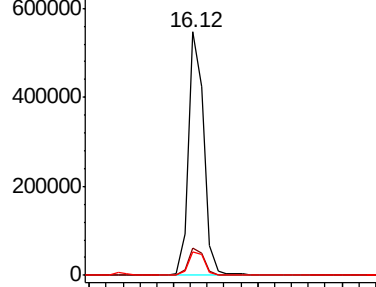
#95
Naphthalene
Concen: 53.129 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 689891
Ion Ratio Lower Upper
128 100
127 11.1 9.7 14.5
129 9.7 8.2 12.2

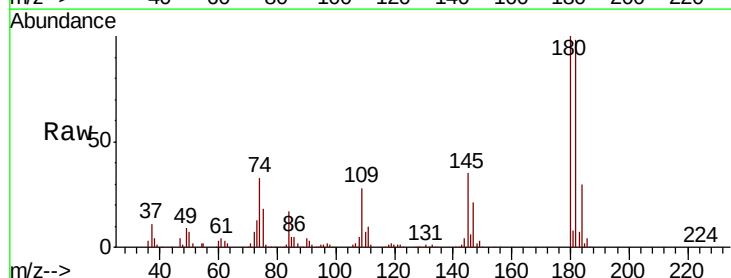


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 50.020 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

Tgt Ion:180 Resp: 356265
Ion Ratio Lower Upper
180 100
182 98.3 48.1 144.3
145 34.5 13.3 39.9



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

