

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051219\
 Data File : VD062257.D
 Acq On : 12 May 2019 14:24
 Operator : FY/SY
 Sample : K2733-02MS
 Misc : 5.96g/5mL/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS001-0002-01MS

Quant Time: May 13 01:32:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	513277	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.24	114	755083	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	435330	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	111774	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	238845	50.07	ug/l	0.04
Spiked Amount			Recovery	=	100.14%	
35) Dibromofluoromethane	6.95	113	306663	48.95	ug/l	0.05
Spiked Amount			Recovery	=	97.90%	
50) Toluene-d8	10.42	98	532890	35.28	ug/l	0.02
Spiked Amount			Recovery	=	70.56%	
62) 4-Bromofluorobenzene	13.57	95	141503	23.33	ug/l	0.02
Spiked Amount			Recovery	=	46.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	298565	60.819	ug/l	99
3) Chloromethane	1.75	50	196858	55.497	ug/l	90
4) Vinyl Chloride	1.86	62	224952	64.529	ug/l	98
5) Bromomethane	2.16	94	60648	74.247	ug/l	95
6) Chloroethane	2.28	64	120510	82.383	ug/l	96
7) Trichlorofluoromethane	2.55	101	453642	66.934	ug/l	99
8) Diethyl Ether	2.88	74	67670	51.771	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	3.16	101	243725	47.538	ug/l	96
10) Methyl Iodide	3.32	142	192179	24.802	ug/l	92
11) Tert butyl alcohol	4.08	59	58742	241.260	ug/l	96
12) 1,1-Dichloroethene	3.14	96	247444	63.226	ug/l	96
14) Allvl chloride	3.63	41	274818	48.295	ug/l	85
15) Acrylonitrile	4.21	53	97989	153.114	ug/l	92
16) Acetone	3.23	43	211814	211.749	ug/l #	86
17) Carbon Disulfide	3.39	76	534308	47.459	ug/l	100
18) Methyl Acetate	3.65	43	80547	44.992	ug/l	92
19) Methyl tert-butyl Ether	4.25	73	500438	59.656	ug/l	92
20) Methylene Chloride	3.83	84	275744	66.020	ug/l	92
21) trans-1,2-Dichloroethene	4.23	96	262918	60.372	ug/l	96
22) Diisopropyl ether	5.14	45	807277	66.667	ug/l #	85
23) Vinyl Acetate	5.14	43	336526	52.674	ug/l #	77
24) 1,1-Dichloroethane	5.00	63	506309	69.310	ug/l	99
25) 2-Butanone	6.09	43	249791	228.936	ug/l	95
26) 2,2-Dichloropropane	6.04	77	384154	52.793	ug/l	96
27) cis-1,2-Dichloroethene	6.05	96	303508	62.262	ug/l	96
28) Bromochloromethane	6.45	49	213840	74.404	ug/l	90
29) Tetrahydrofuran	6.47	42	139972	278.422	ug/l	99
30) Chloroform	6.68	83	565249	64.205	ug/l	94
31) Cyclohexane	6.98	56	172319	34.432	ug/l	90
32) 1,1,1-Trichloroethane	6.89	97	522097	62.743	ug/l	98
36) 1,1-Dichloropropene	7.16	75	309015	49.914	ug/l	94
37) Ethyl Acetate	6.09	43	250479	95.402	ug/l #	71
38) Carbon Tetrachloride	7.12	117	413704	48.280	ug/l	98
39) Methylcyclohexane	8.87	83	115116	19.407	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	7.47	78	742400	53.105	ug/l	98
41) Methacrylonitrile	6.46	41	125477	39.108	ug/l #	83
42) 1,2-Dichloroethane	7.60	62	364017	61.457	ug/l	93
43) Isopropyl Acetate	9.35	43	7899	2.121	ug/l #	43
44) Trichloroethene	8.56	130	250108	46.950	ug/l	86
45) 1,2-Dichloropropane	8.95	63	187510	54.226	ug/l	98
46) Dibromomethane	9.08	93	151999	54.054	ug/l	90
47) Bromodichloromethane	9.39	83	376108	54.682	ug/l	97
48) Methyl methacrylate	9.13	41	43429	18.935	ug/l #	85
49) 1,4-Dioxane	9.09	88	22318	901.870	ug/l #	93
51) 4-Methyl-2-Pentanone	10.31	43	520644	217.521	ug/l	92
52) Toluene	10.52	92	406855	44.729	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	195349	32.861	ug/l	99
54) cis-1,3-Dichloropropene	10.06	75	208150	32.096	ug/l #	88
55) 1,1,2-Trichloroethane	11.21	97	158576	49.273	ug/l	95
57) 1,3-Dichloropropane	11.42	76	239472	49.252	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.87	63	427857	234.212	ug/l	98
59) 2-Hexanone	11.54	43	170821	96.831	ug/l	97
60) Dibromochloromethane	11.70	129	229789	41.314	ug/l	96
61) 1,2-Dibromoethane	11.82	107	162554	41.545	ug/l	97
64) Tetrachloroethene	11.28	164	169298	49.733	ug/l	93
65) Chlorobenzene	12.41	112	382834	47.216	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.53	131	209675	59.418	ug/l	94
67) Ethyl Benzene	12.54	91	649656	47.859	ug/l	94
68) m/p-Xylenes	12.68	106	423942	85.842	ug/l	91
69) o-Xylene	13.06	106	220439	48.011	ug/l	82
70) Styrene	13.09	104	257882	33.156	ug/l	98
71) Bromoform	13.24	173	120683	49.156	ug/l	98
73) Isopropylbenzene	13.41	105	483198	72.118	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.71	83	134328	105.903	ug/l	98
76) 1,2,3-Trichloropropane	13.75	75	123187	92.737	ug/l	97
77) Bromobenzene	13.68	156	155313	82.807	ug/l	88
78) n-propylbenzene	13.79	91	473615	59.258	ug/l	97
79) 2-Chlorotoluene	13.85	91	297719	65.041	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	319219	56.579	ug/l	89
81) trans-1,4-Dichloro-2-buten	13.48	75	17231	45.949	ug/l #	79
82) 4-Chlorotoluene	13.95	91	324734	60.287	ug/l	81
83) tert-Butylbenzene	14.20	119	378136	59.628	ug/l	91
84) 1,2,4-Trimethylbenzene	14.25	105	344134	60.782	ug/l	89
85) sec-Butylbenzene	14.38	105	268620	38.634	ug/l	99
86) p-Isopropyltoluene	14.50	119	165634	26.663	ug/l	95
87) 1,3-Dichlorobenzene	14.46	146	156699	45.735	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	159845	47.480	ug/l	99
89) n-Butylbenzene	14.81	91	141558	25.388	ug/l	94
90) Hexachloroethane	15.02	117	60392	35.749	ug/l	99
91) 1,2-Dichlorobenzene	14.82	146	146119	51.783	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	18096	86.912	ug/l	83
93) 1,2,4-Trichlorobenzene	15.95	180	36879	17.956	ug/l	92
94) Hexachlorobutadiene	16.05	225	19386	12.691	ug/l	97
95) Naphthalene	16.14	128	91061	31.757	ug/l	99

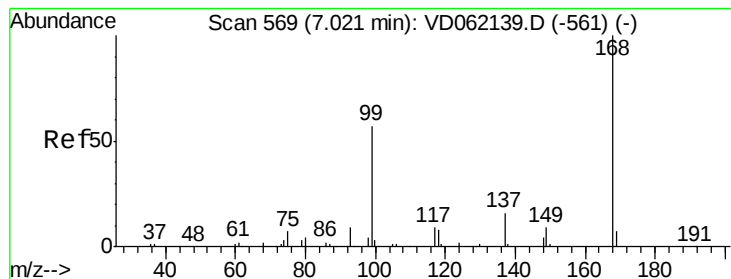
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051219\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	16.28	180	26044	20.168	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

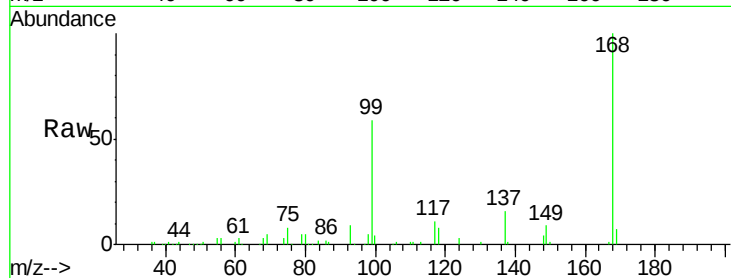
P021-SS001-0002-01MS

Tot Ion:168 Resp: 513277

Ion Ratio Lower Upper

168 100

99 58.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

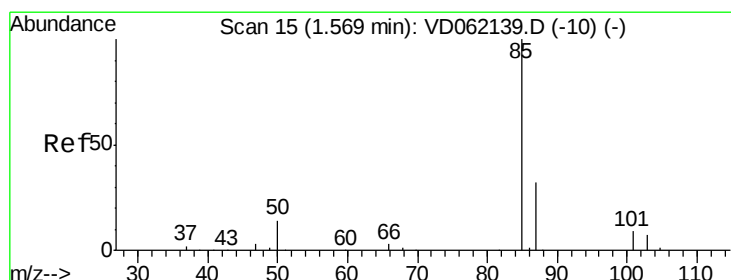
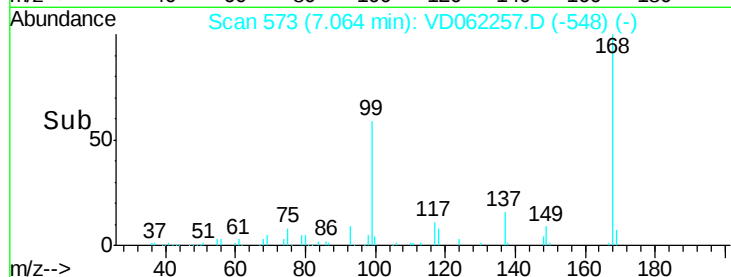
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#2

Dichlorodifluoromethane

Concen: 60.819 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062257.D

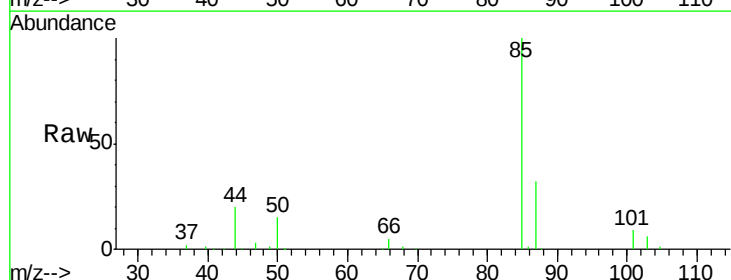
Acq: 12 May 2019 14:24

Tgt Ion: 85 Resp: 298565

Ion Ratio Lower Upper

85 100

87 31.7 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

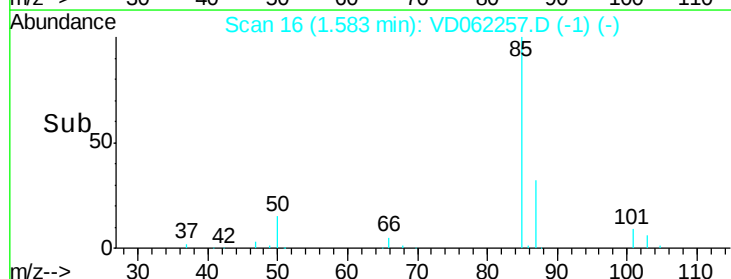
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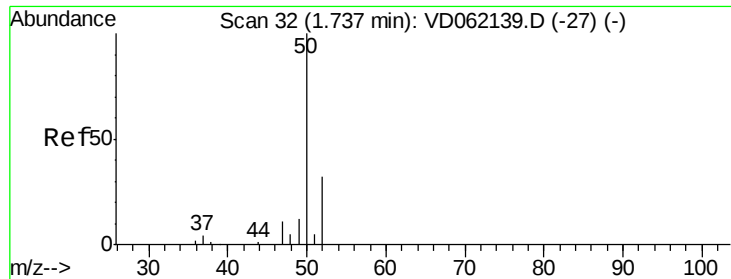
100000

50000

0

Time--> 1.50 1.60 1.70 1.80





#3

Chloromethane

Concen: 55.497 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

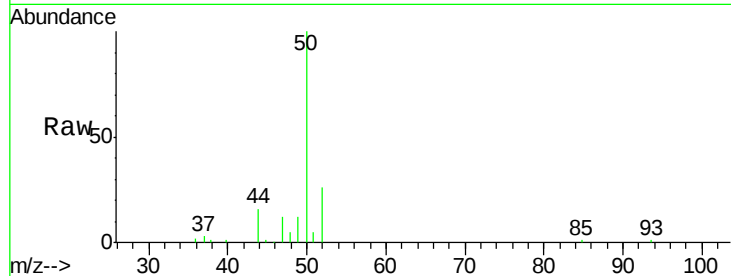
P021-SS001-0002-01MS

Tot Ion: 50 Resp: 196858

Ion Ratio Lower Upper

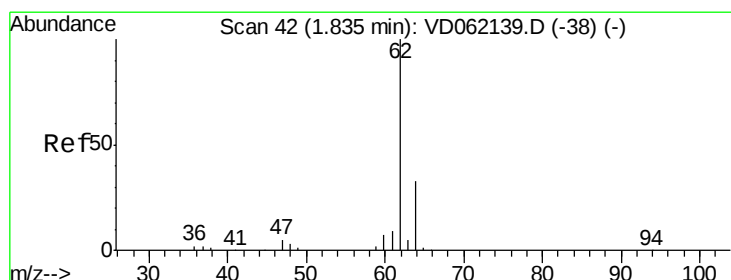
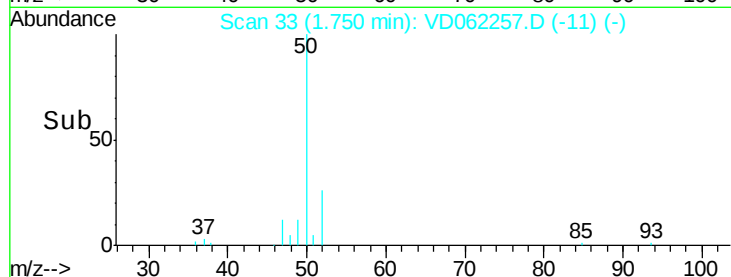
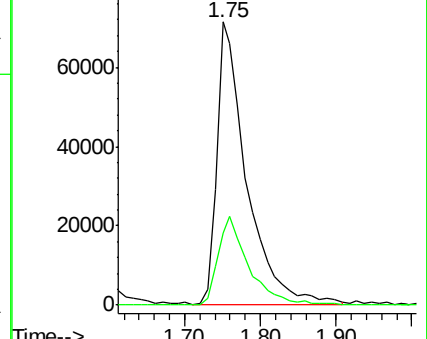
50 100

52 25.7 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 64.529 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.02 min

Lab File: VD062257.D

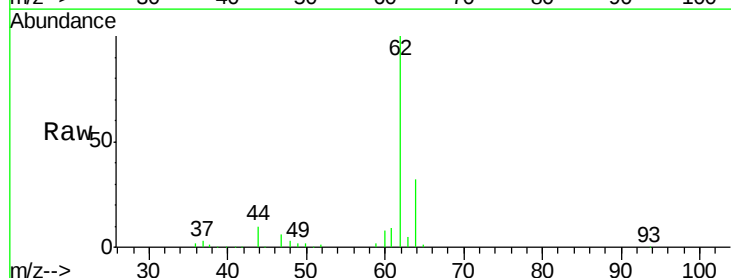
Acq: 12 May 2019 14:24

Tgt Ion: 62 Resp: 224952

Ion Ratio Lower Upper

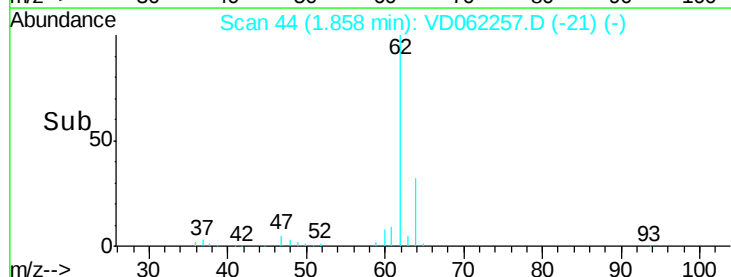
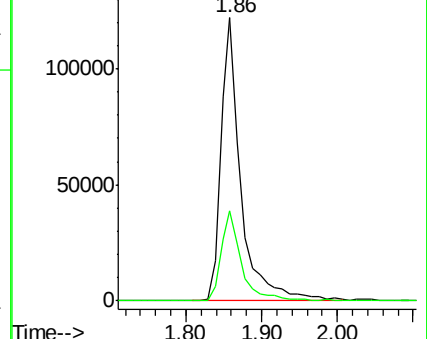
62 100

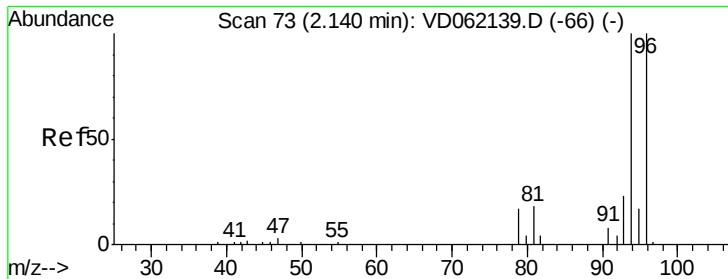
64 31.8 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 74.247 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.02 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

Instrument :

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ClientSampleId :

P021-SS001-0002-01MS

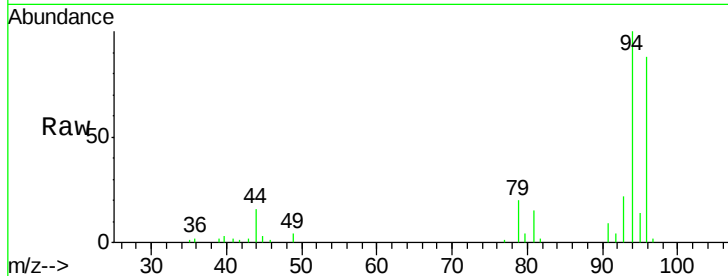
Tot Ion: 94 Resp: 60648

Ion Ratio Lower Upper

94 100

96 90.4 76.6 115.0

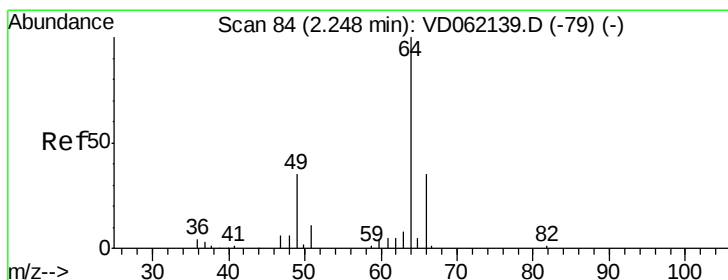
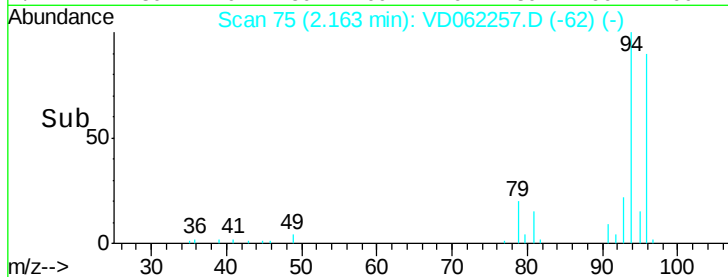
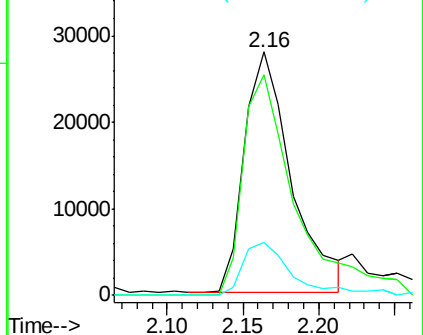
93 21.9 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 82.383 ug/l

RT: 2.28 min Scan# 87

Delta R.T. 0.03 min

Lab File: VD062257.D

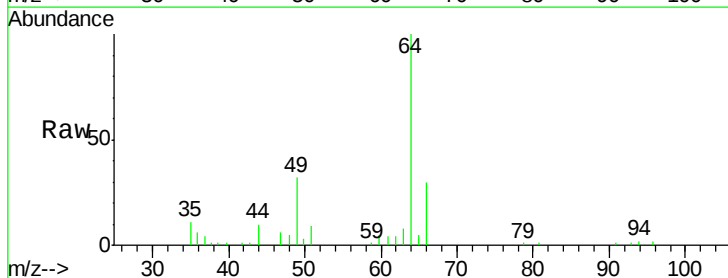
Acq: 12 May 2019 14:24

Tgt Ion: 64 Resp: 120510

Ion Ratio Lower Upper

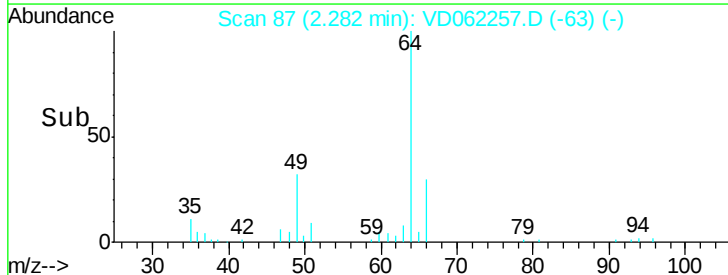
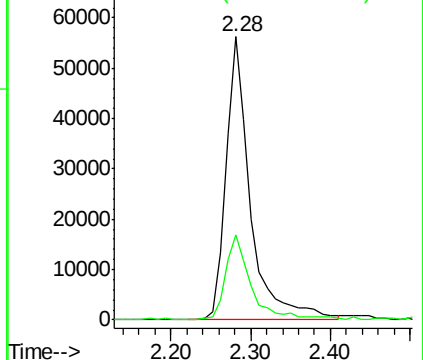
64 100

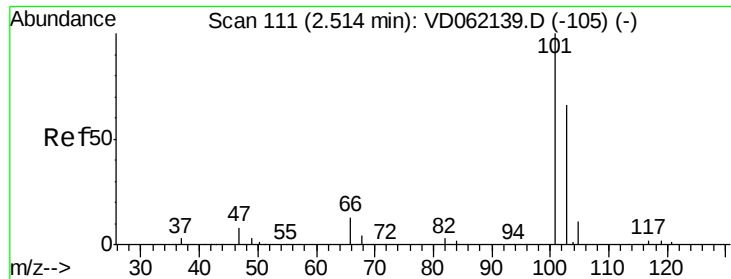
66 29.9 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



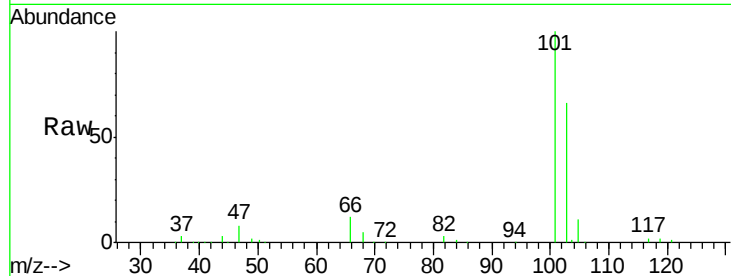


#7

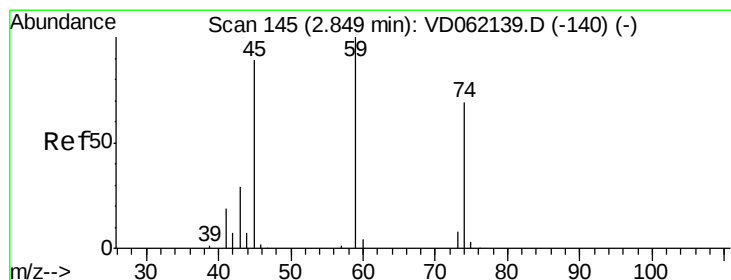
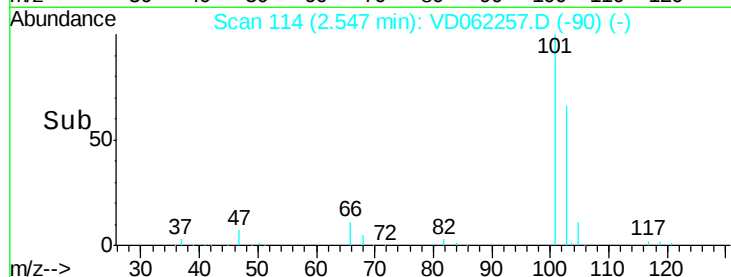
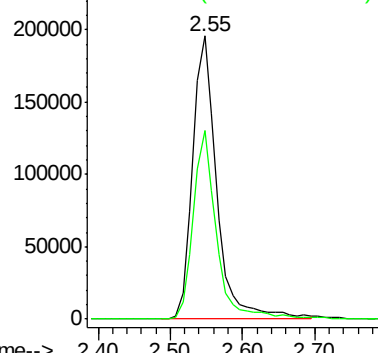
Trichlorofluoromethane
Concen: 66.934 ug/l
RT: 2.55 min Scan# 114
Delta R.T. 0.03 min
Lab File: VD062257.D
Acq: 12 May 2019 14:24

Instrument :
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ClientSampleId :
P021-SS001-0002-01MS

Tot Ion:101 Resp: 453642
Ion Ratio Lower Upper
101 100
103 66.5 53.6 80.4



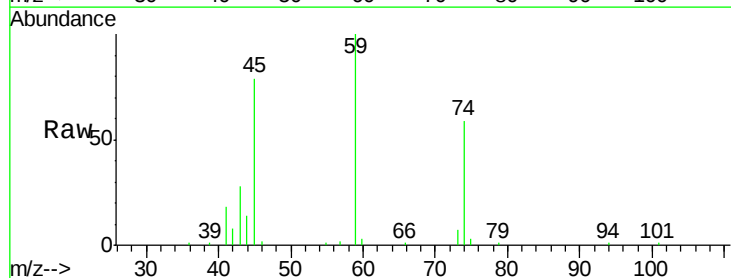
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



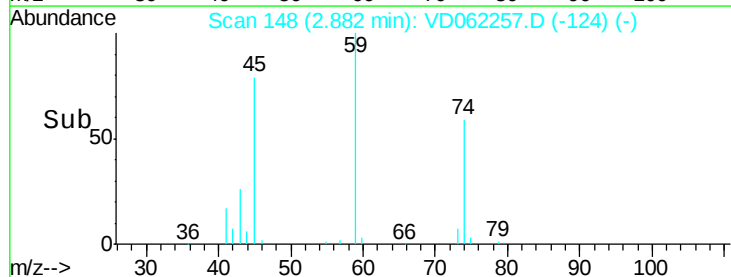
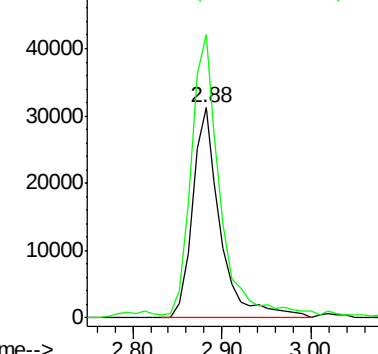
#8

Diethyl Ether
Concen: 51.771 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.03 min
Lab File: VD062257.D
Acq: 12 May 2019 14:24

Tgt Ion: 74 Resp: 67670
Ion Ratio Lower Upper
74 100
45 134.7 56.9 170.7



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.538 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.02 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

P021-SS001-0002-01MS

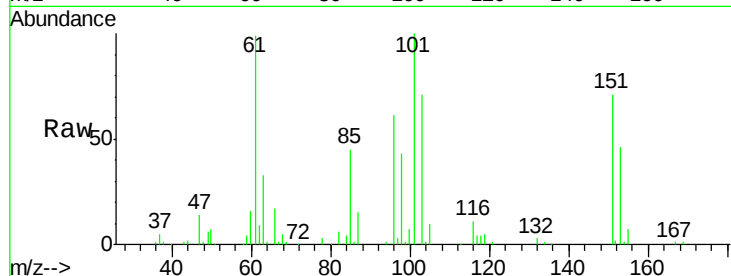
Tot Ion:101 Resp: 243725

Ion Ratio Lower Upper

101 100

85 44.8 32.4 48.6

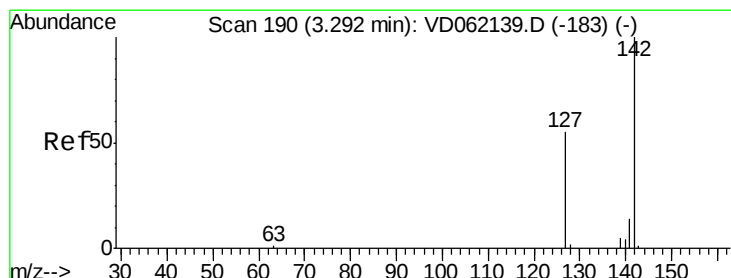
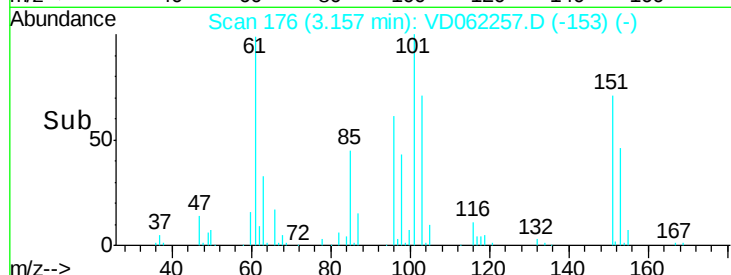
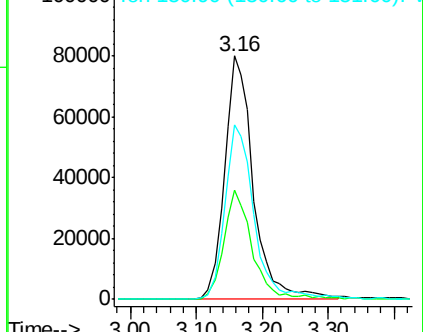
151 71.5 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 24.802 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.03 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

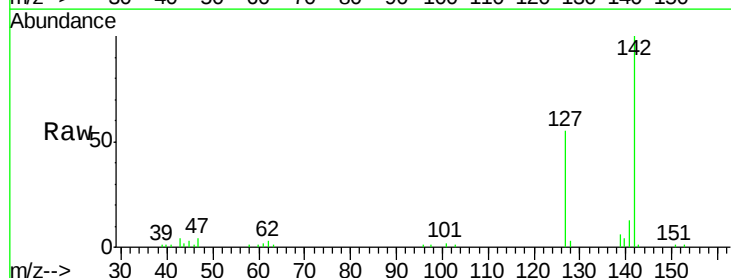
Tgt Ion:142 Resp: 192179

Ion Ratio Lower Upper

142 100

127 54.9 38.8 58.2

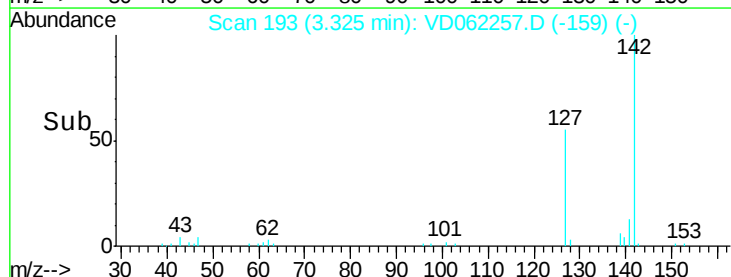
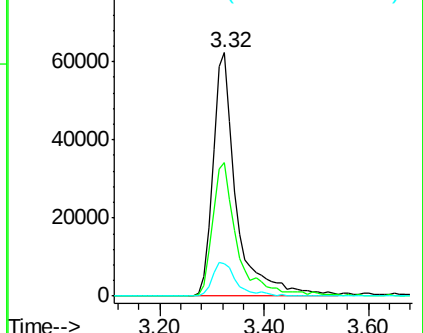
141 13.3 11.4 17.0

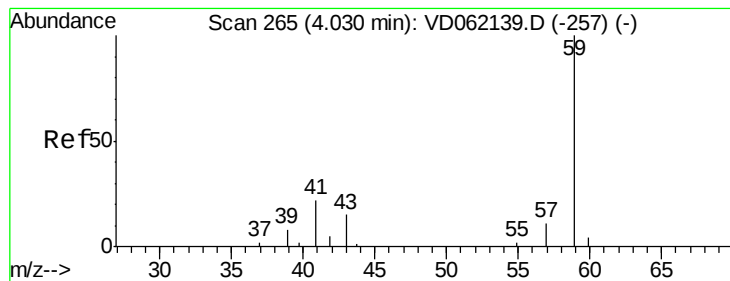


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



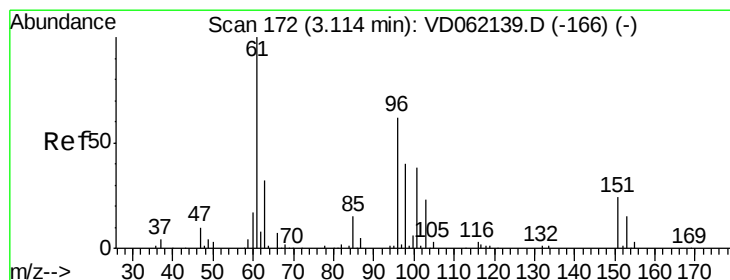
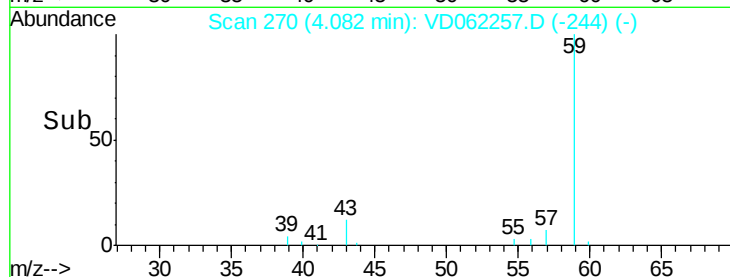
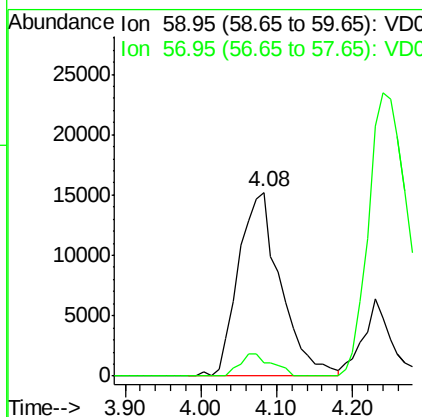
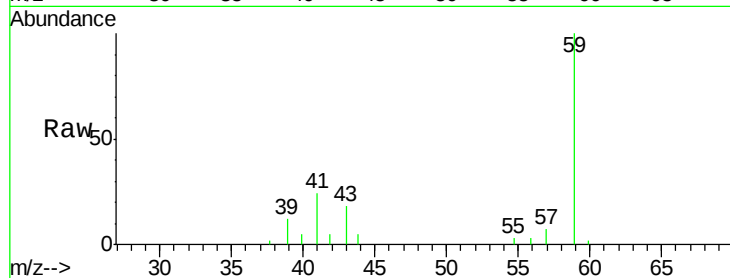


#11

Tert butyl alcohol
 Concen: 241.260 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. 0.05 min
 Lab File: VD062257.D
 Acq: 12 May 2019 14:24

Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS001-0002-01MS

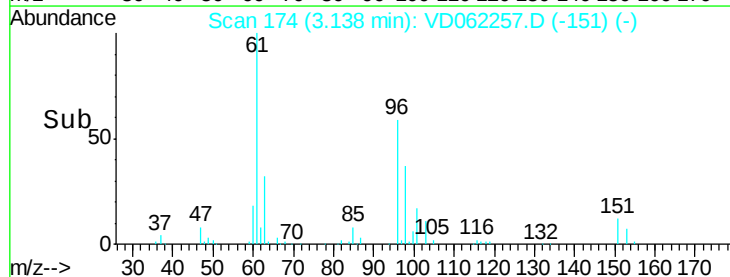
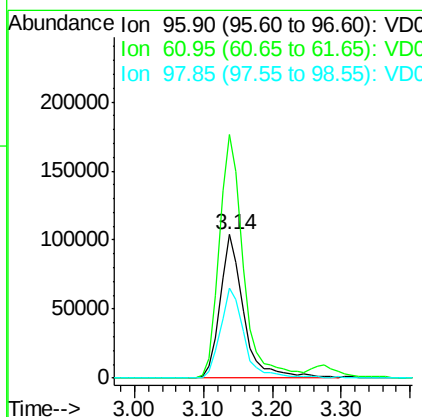
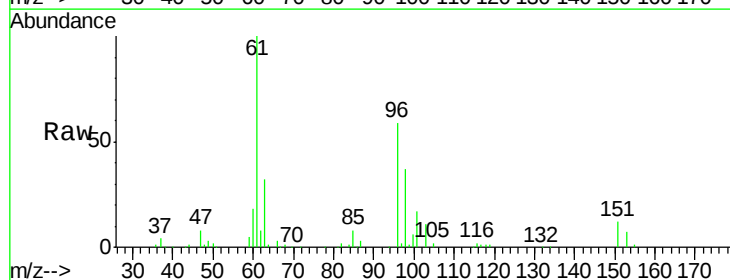
Tot Ion: 59 Resp: 58742
 Ion Ratio Lower Upper
 59 100
 57 7.3 6.9 10.3

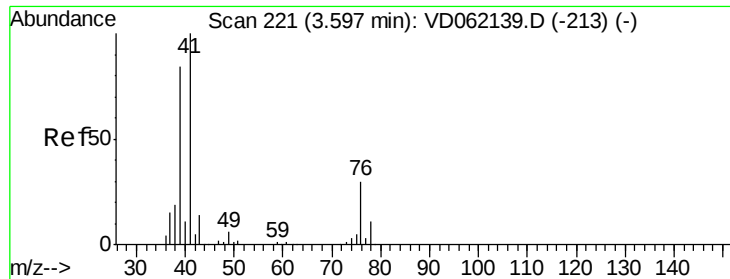


#12

1,1-Dichloroethene
 Concen: 63.226 ug/l
 RT: 3.14 min Scan# 174
 Delta R.T. 0.02 min
 Lab File: VD062257.D
 Acq: 12 May 2019 14:24

Tgt Ion: 96 Resp: 247444
 Ion Ratio Lower Upper
 96 100
 61 169.9 129.8 194.8
 98 63.1 51.2 76.8

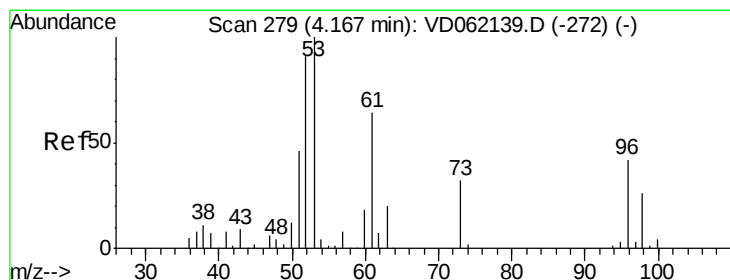
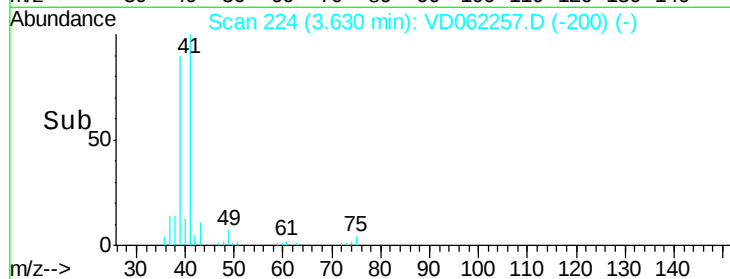
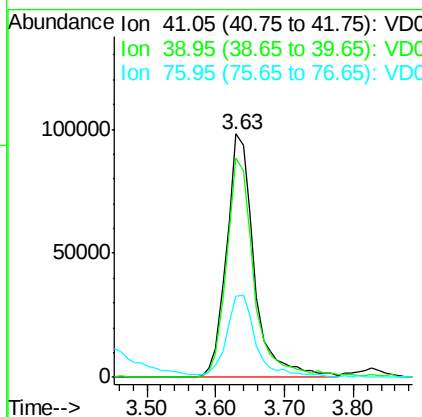
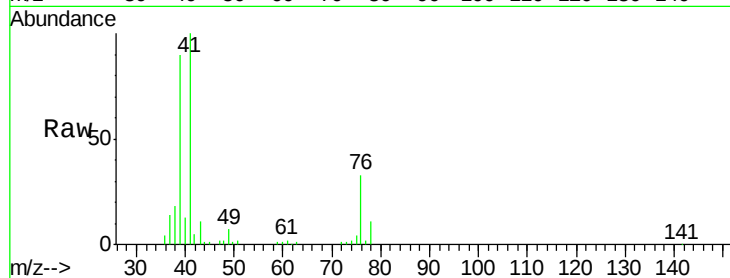




#14
Allvl chloride
Concen: 48.295 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.03 min
Lab File: VD062257.D
Acq: 12 May 2019 14:24

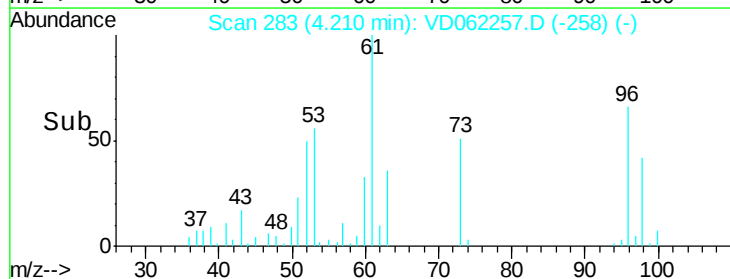
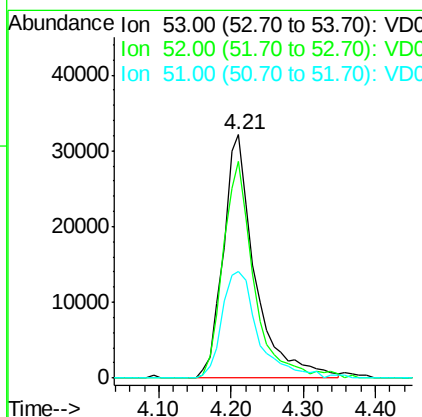
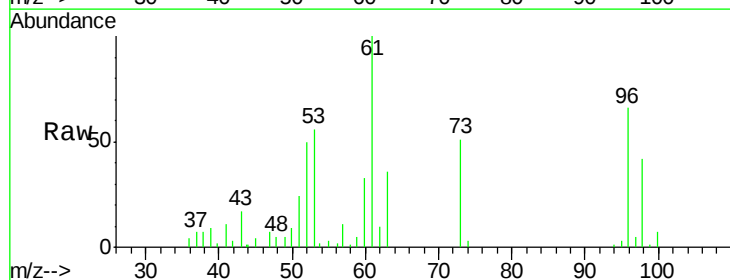
Instrument :
MSVOA_D
ClientSampleId :
P021-SS001-0002-01MS

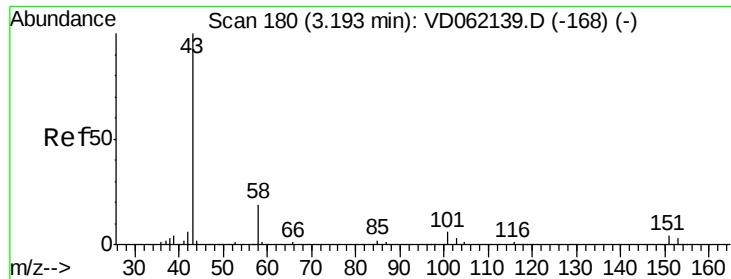
Tot Ion: 41 Resp: 274818
Ion Ratio Lower Upper
41 100
39 90.1 60.5 90.7
76 33.1 31.8 47.8



#15
Acrylonitrile
Concen: 153.114 ug/l
RT: 4.21 min Scan# 283
Delta R.T. 0.04 min
Lab File: VD062257.D
Acq: 12 May 2019 14:24

Tgt Ion: 53 Resp: 97989
Ion Ratio Lower Upper
53 100
52 89.0 65.0 97.4
51 43.7 32.6 48.8





#16

Acetone

Concen: 211.749 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

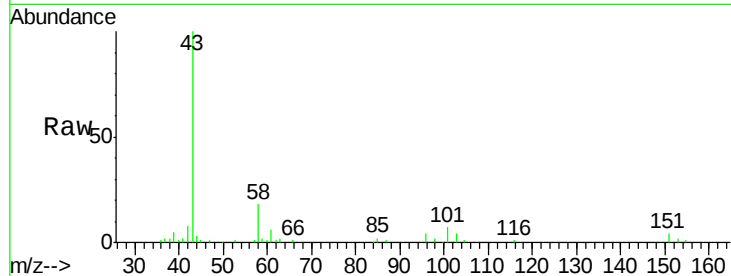
P021-SS001-0002-01MS

Tot Ion: 43 Resp: 211814

Ion Ratio Lower Upper

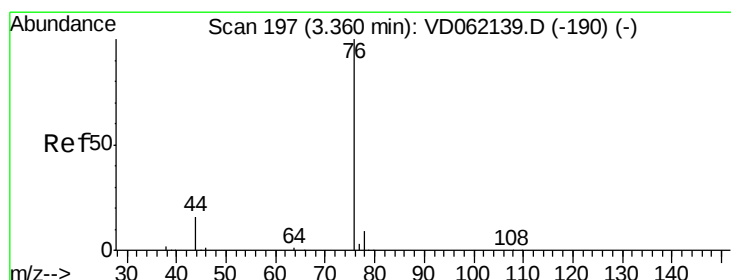
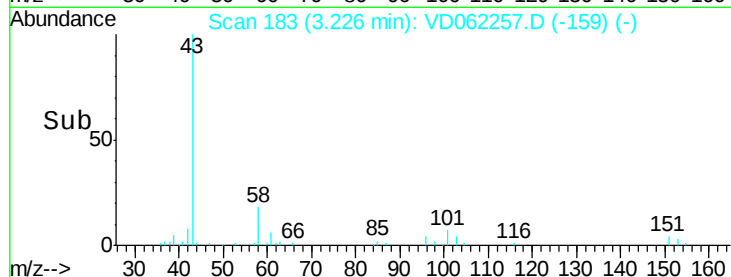
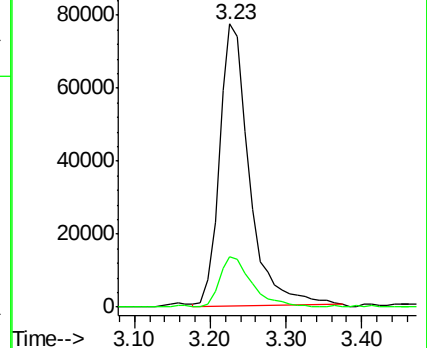
43 100

58 17.9 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#17

Carbon Disulfide

Concen: 47.459 ug/l

RT: 3.39 min Scan# 200

Delta R.T. 0.03 min

Lab File: VD062257.D

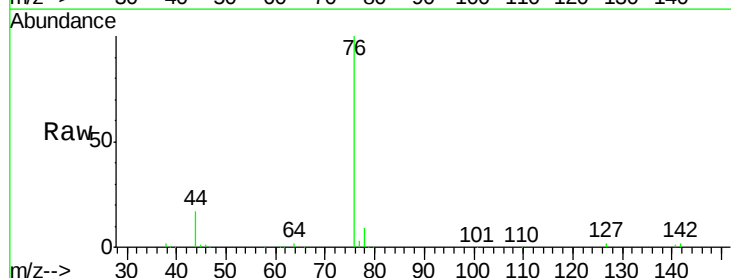
Acq: 12 May 2019 14:24

Tgt Ion: 76 Resp: 534308

Ion Ratio Lower Upper

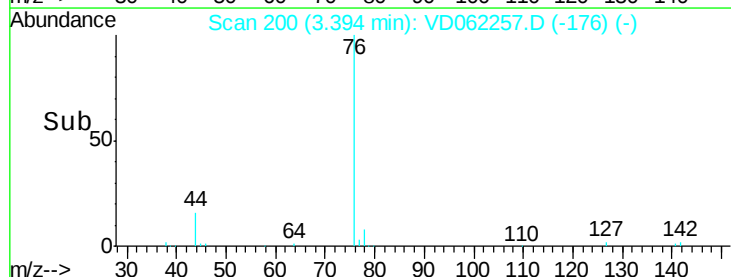
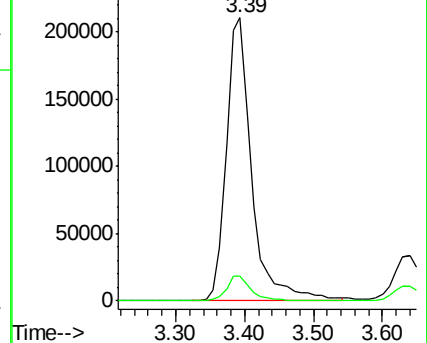
76 100

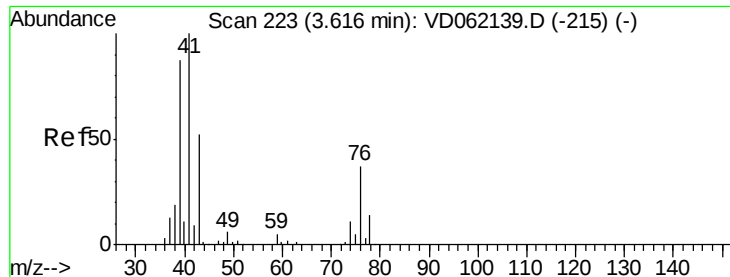
78 9.0 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

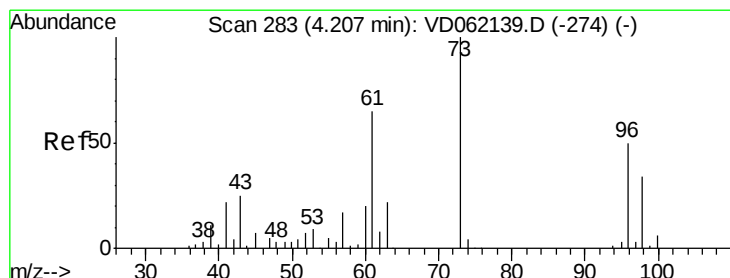
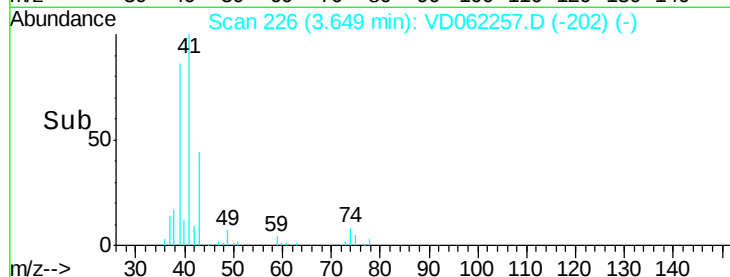
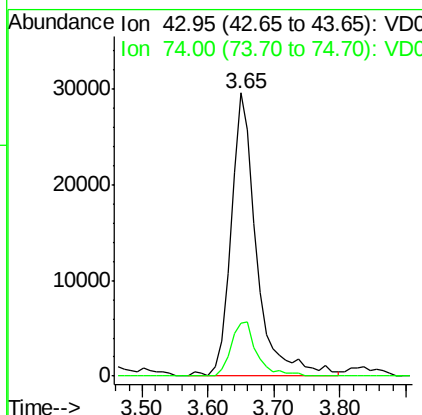
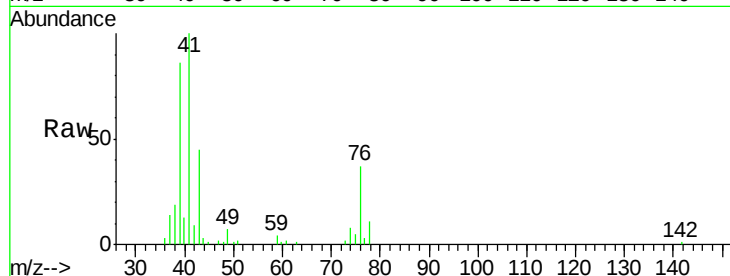




#18
Methyl Acetate
Concen: 44.992 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.03 min
Lab File: VD062257.D
Acq: 12 May 2019 14:24

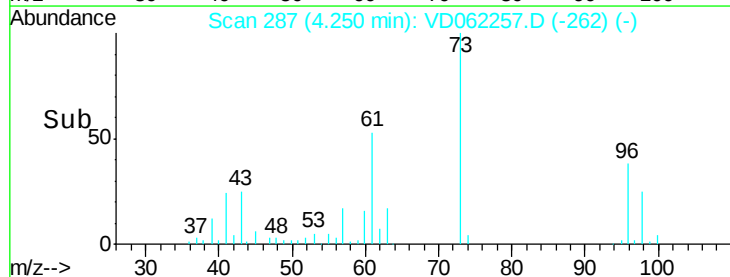
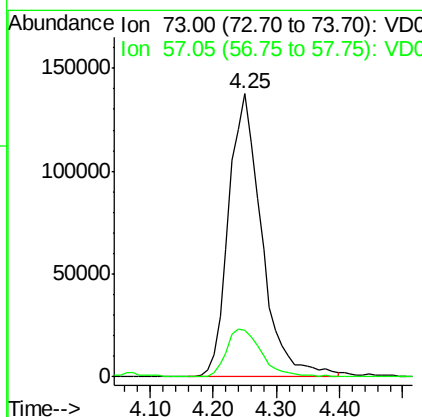
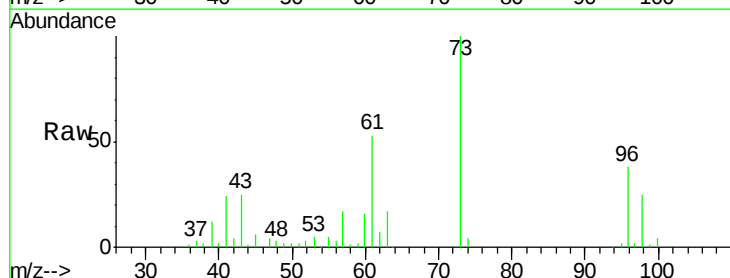
Instrument :
MSVOA_D
ClientSampleId :
P021-SS001-0002-01MS

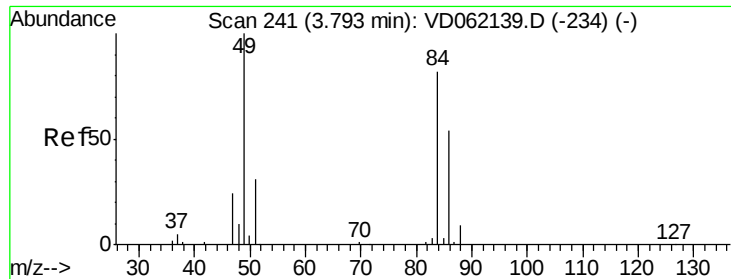
Tot Ion: 43 Resp: 80547
Ion Ratio Lower Upper
43 100
74 18.6 18.0 27.0



#19
Methyl tert-butyl Ether
Concen: 59.656 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.04 min
Lab File: VD062257.D
Acq: 12 May 2019 14:24

Tgt Ion: 73 Resp: 500438
Ion Ratio Lower Upper
73 100
57 16.7 16.3 24.5

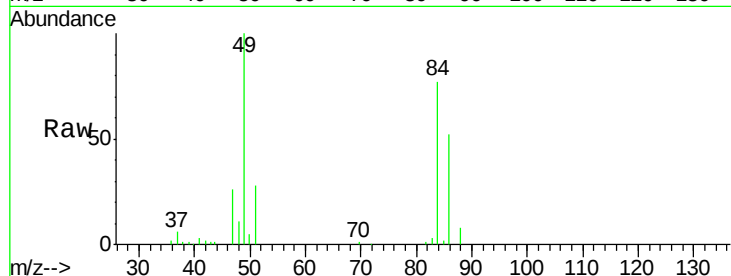




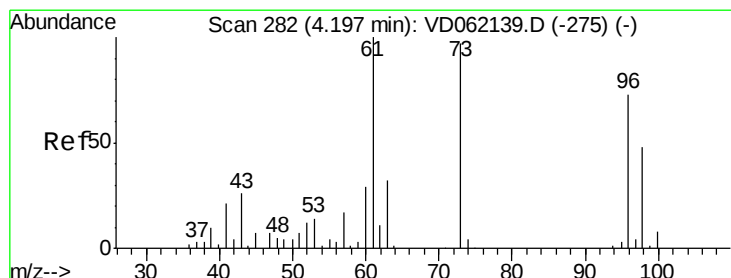
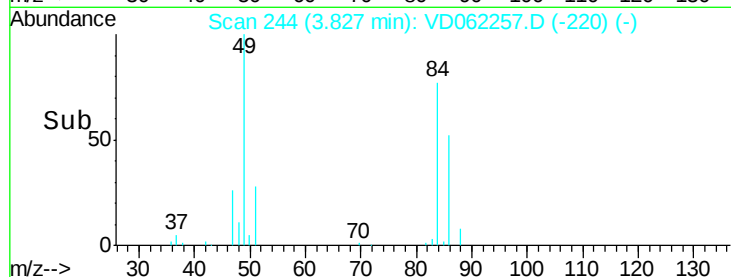
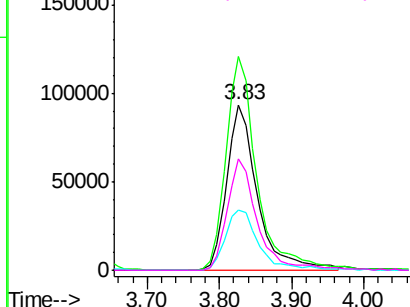
#20
Methylene Chloride
Concen: 66.020 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.03 min
Lab File: VD062257.D
Acq: 12 May 2019 14:24

Instrument :
MSVOA_D
ClientSampleId :
P021-SS001-0002-01MS

Tot Ion: 84 Resp: 275744
Ion Ratio Lower Upper
84 100
49 129.1 94.0 141.0
51 36.1 29.0 43.4
86 67.7 49.8 74.6

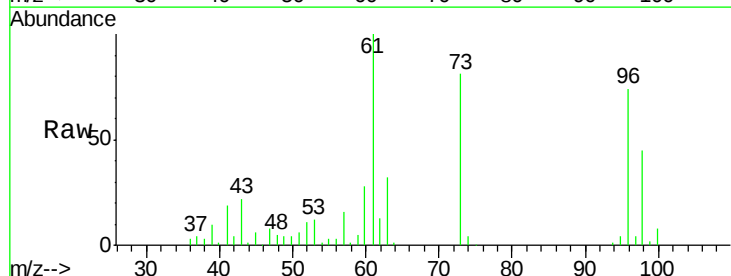


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

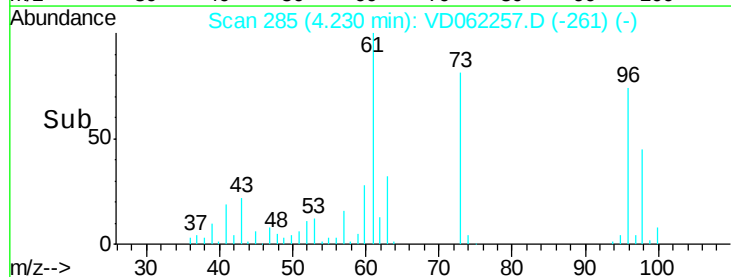
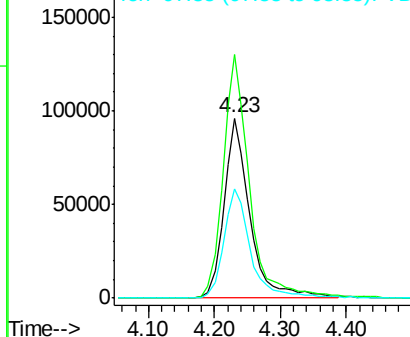


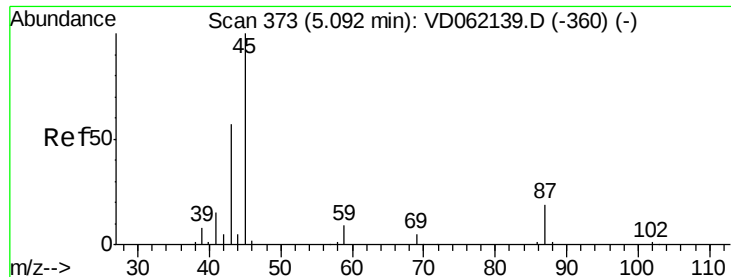
#21
trans-1,2-Dichloroethene
Concen: 60.372 ug/l
RT: 4.23 min Scan# 285
Delta R.T. 0.03 min
Lab File: VD062257.D
Acq: 12 May 2019 14:24

Tgt Ion: 96 Resp: 262918
Ion Ratio Lower Upper
96 100
61 135.1 104.4 156.6
98 60.5 51.8 77.8



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





#22

Diisopropyl ether

Concen: 66.667 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.04 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

P021-SS001-0002-01MS

Tot Ion: 45 Resp: 807277

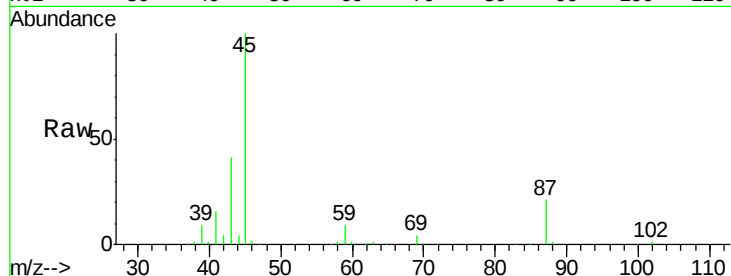
Ion Ratio Lower Upper

45 100

43 41.1 46.2 69.2#

87 20.6 15.9 23.9

59 9.4 7.9 11.9

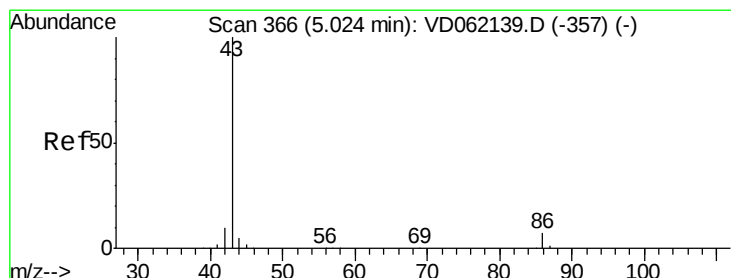
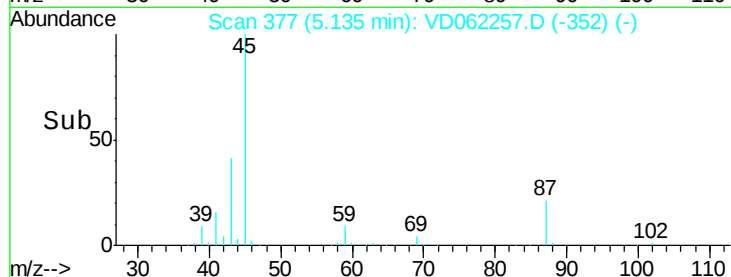
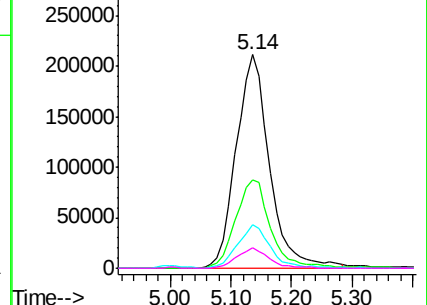


Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC



#23

Vinyl Acetate

Concen: 52.674 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.11 min

Lab File: VD062257.D

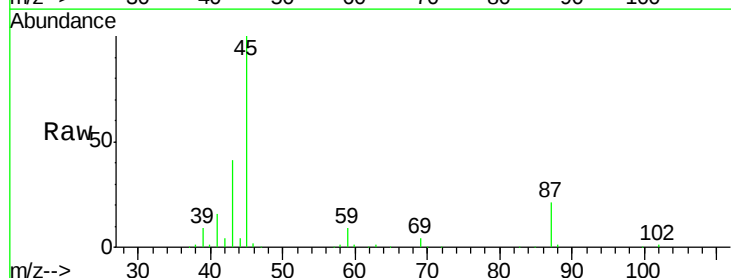
Acq: 12 May 2019 14:24

Tgt Ion: 43 Resp: 336526

Ion Ratio Lower Upper

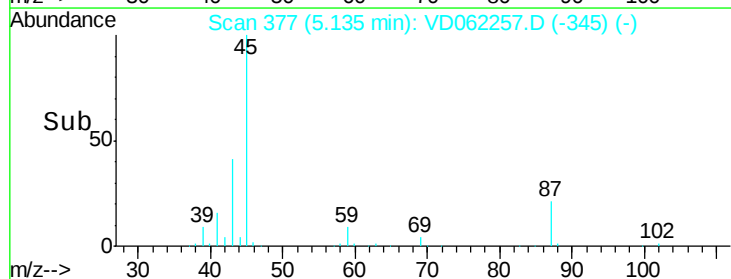
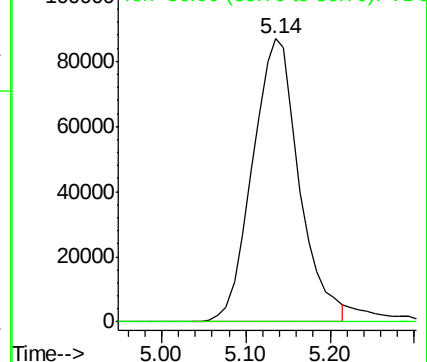
43 100

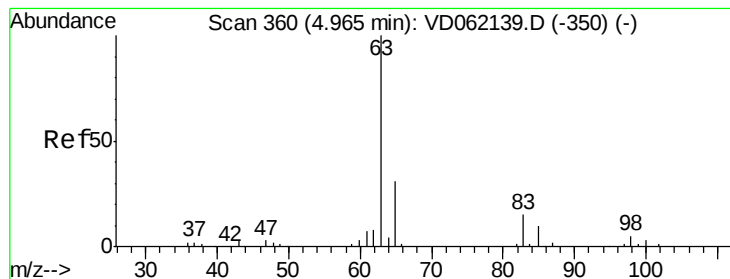
86 0.0 6.4 9.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC





#24

1,1-Dichloroethane

Concen: 69.310 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.03 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

P021-SS001-0002-01MS

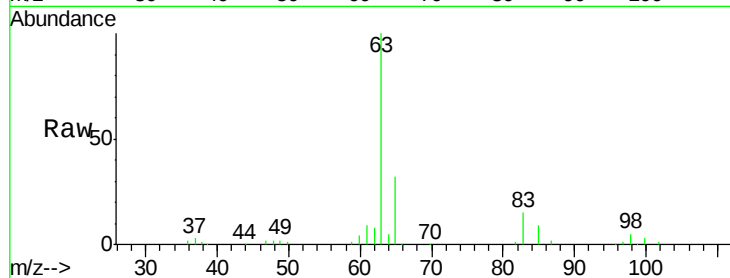
Tot Ion: 63 Resp: 506309

Ion Ratio Lower Upper

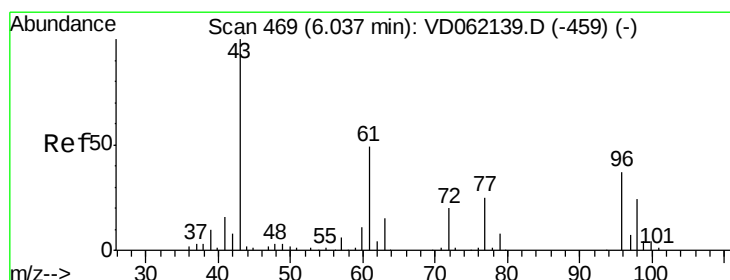
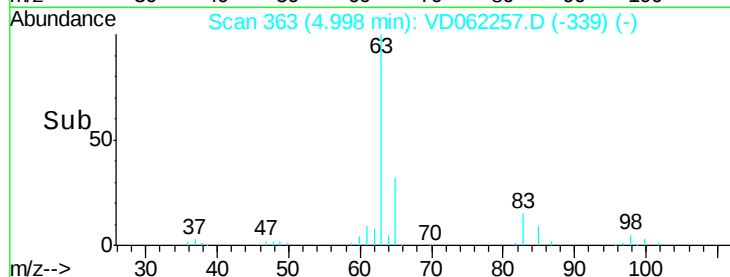
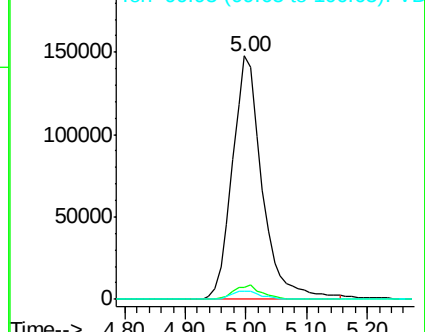
63 100

98 5.1 2.8 8.4

100 3.3 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 97.95 (97.65 to 98.65): VDC
Ion 99.95 (99.65 to 100.65): VDC



#25

2-Butanone

Concen: 228.936 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.05 min

Lab File: VD062257.D

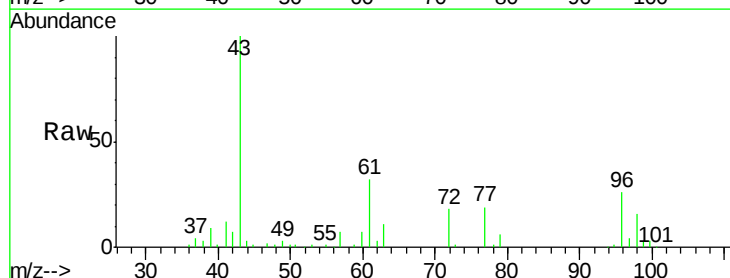
Acq: 12 May 2019 14:24

Tgt Ion: 43 Resp: 249791

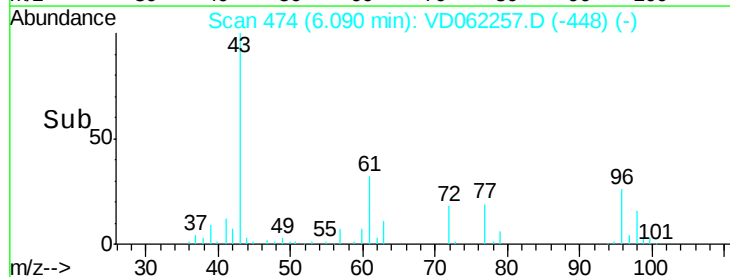
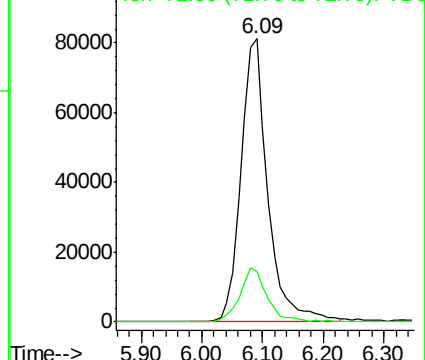
Ion Ratio Lower Upper

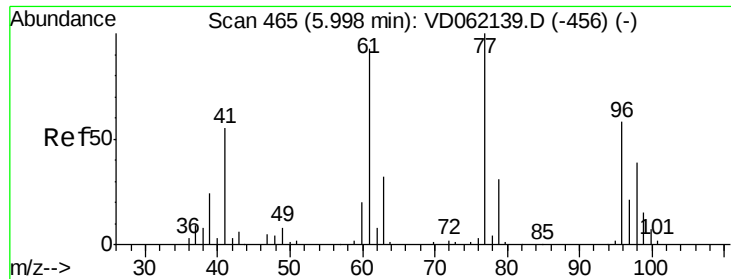
43 100

72 17.8 16.2 24.4



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





#26

2,2-Dichloropropane

Concen: 52.793 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.04 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

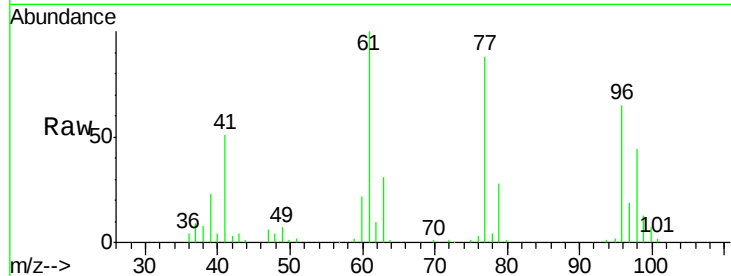
P021-SS001-0002-01MS

Tot Ion: 77 Resp: 384154

Ion Ratio Lower Upper

77 100

97 21.8 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.04

120000

100000

80000

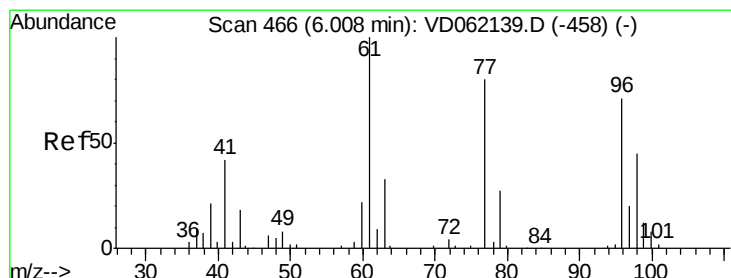
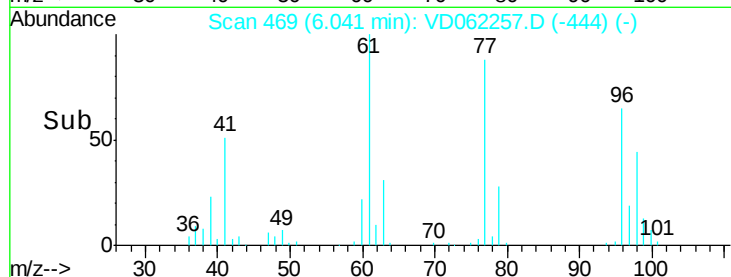
60000

40000

20000

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 62.262 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.04 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

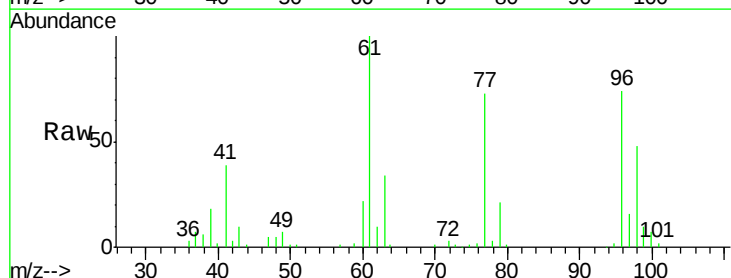
Tgt Ion: 96 Resp: 303508

Ion Ratio Lower Upper

96 100

61 134.9 0.0 279.8

98 64.8 0.0 136.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

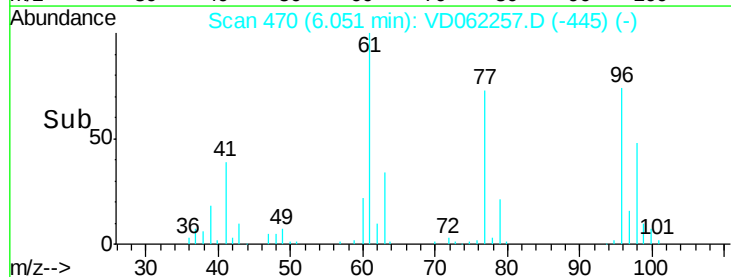
150000

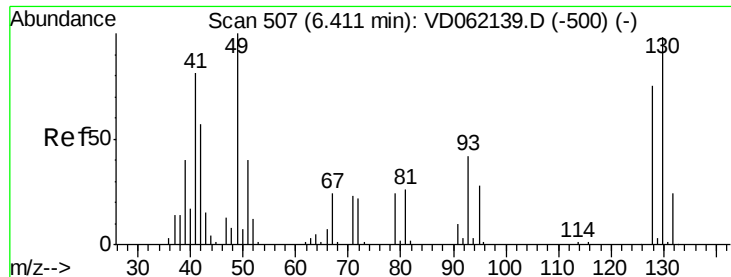
100000

50000

0

Time-->





#28

Bromochloromethane

Concen: 74.404 ug/l

RT: 6.45 min Scan# 511

Delta R.T. 0.04 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

P021-SS001-0002-01MS

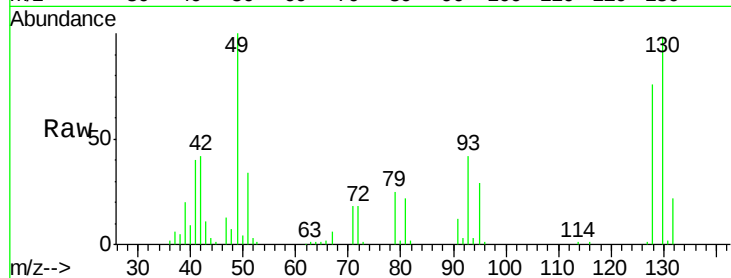
Tot Ion: 49 Resp: 213840

Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.6

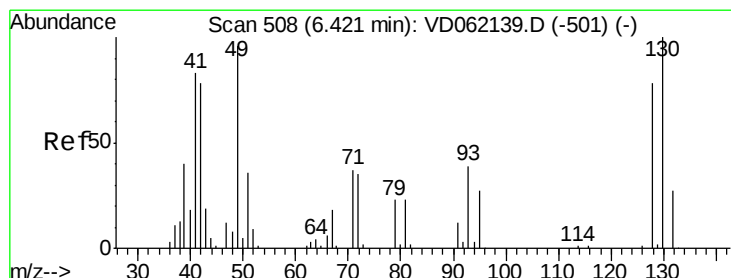
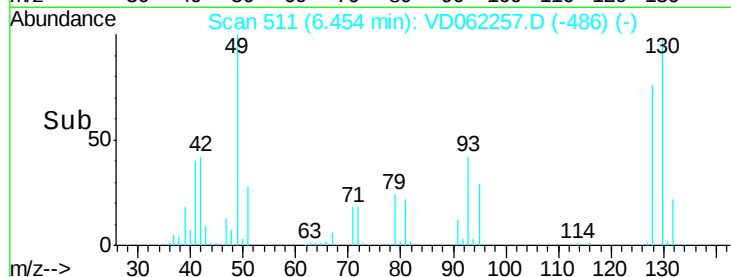
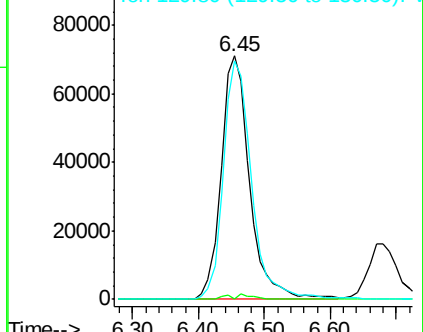
130 98.0 86.7 130.1



Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC



#29

Tetrahydrofuran

Concen: 278.422 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.05 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

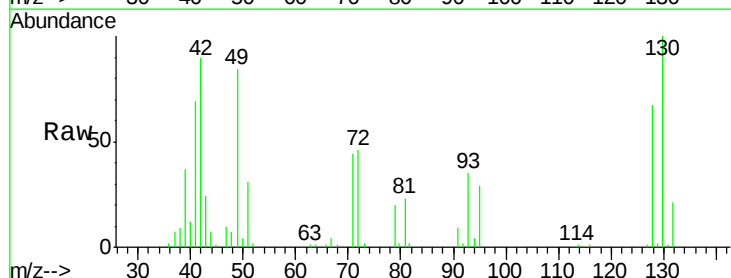
Tgt Ion: 42 Resp: 139972

Ion Ratio Lower Upper

42 100

72 46.0 37.8 56.6

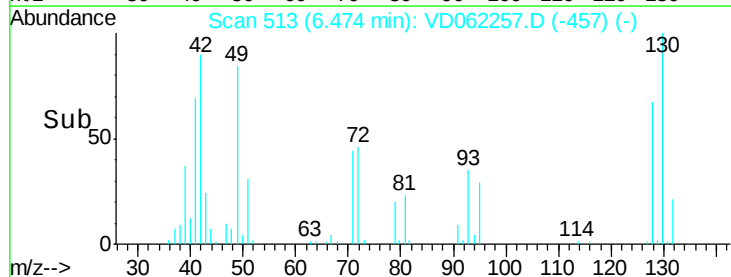
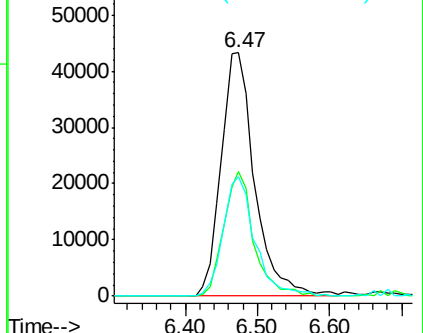
71 46.1 36.7 55.1

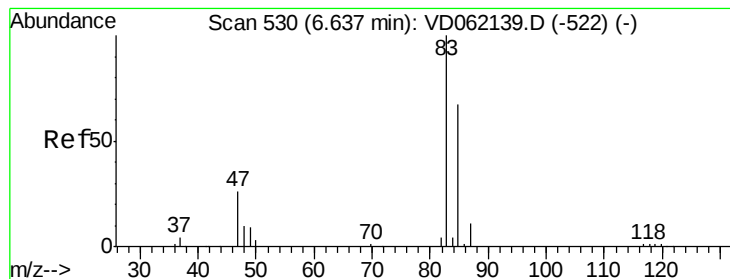


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#30

Chloroform

Concen: 64.205 ug/l

RT: 6.68 min Scan# 534

Delta R.T. 0.04 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

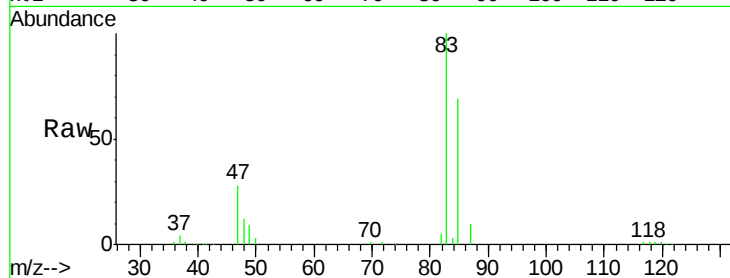
P021-SS001-0002-01MS

Tot Ion: 83 Resp: 565249

Ion Ratio Lower Upper

83 100

85 69.1 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

6.68

200000

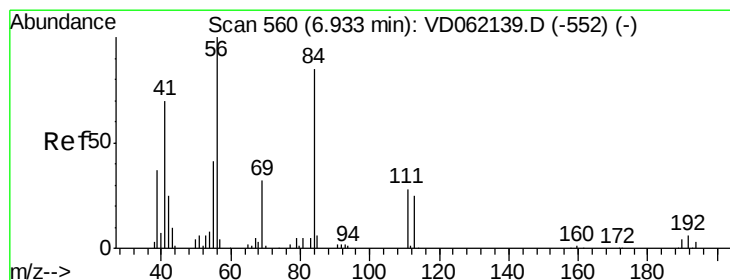
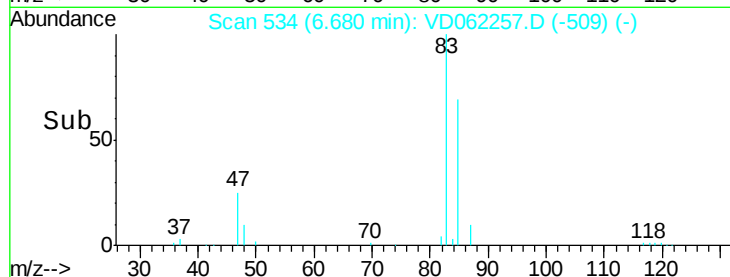
150000

100000

50000

0

Time-->



#31

Cyclohexane

Concen: 34.432 ug/l

RT: 6.98 min Scan# 564

Delta R.T. 0.04 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

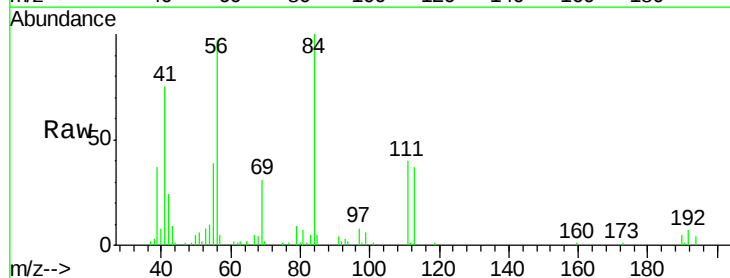
Tgt Ion: 56 Resp: 172319

Ion Ratio Lower Upper

56 100

69 32.2 25.8 38.6

84 102.8 72.2 108.4



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

120000

100000

80000

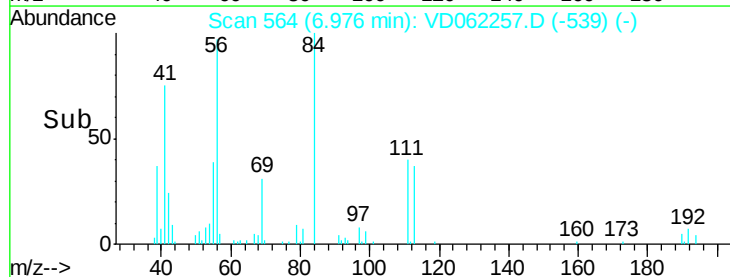
60000

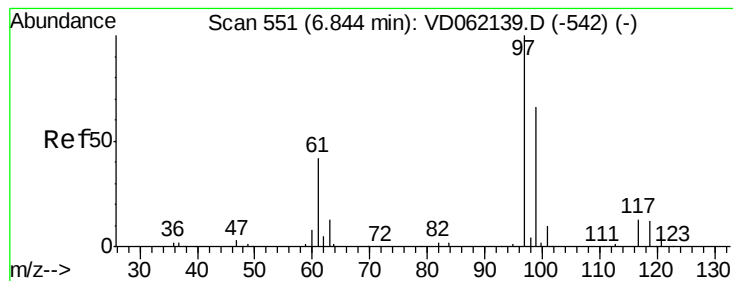
40000

20000

0

Time-->





#32

1,1,1-Trichloroethane

Concen: 62.743 ug/l

RT: 6.89 min Scan# 555

Delta R.T. 0.04 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

P021-SS001-0002-01MS

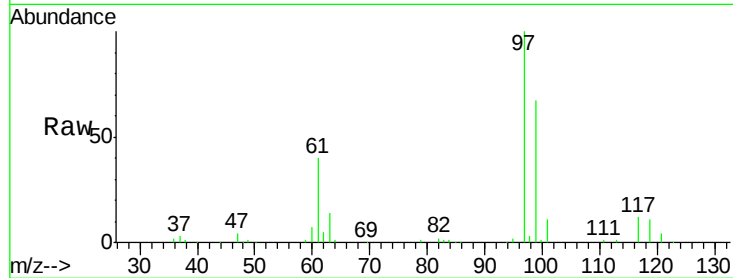
Tot Ion: 97 Resp: 522097

Ion Ratio Lower Upper

97 100

99 67.4 52.2 78.2

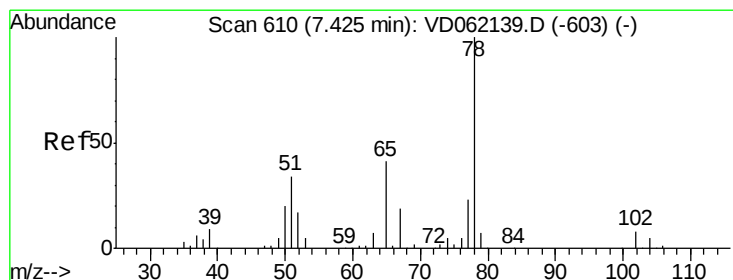
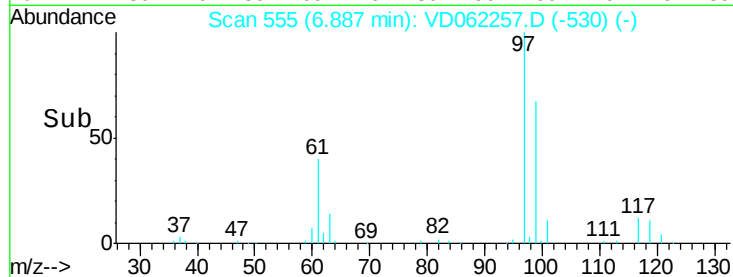
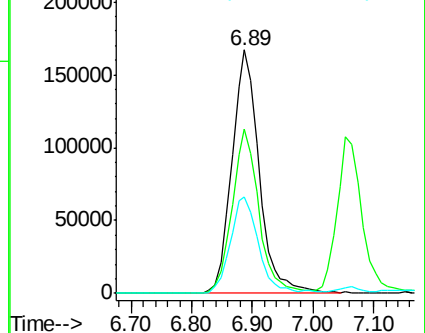
61 39.6 32.4 48.6



Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC



#33

1,2-Dichloroethane-d4

Concen: 50.073 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD062257.D

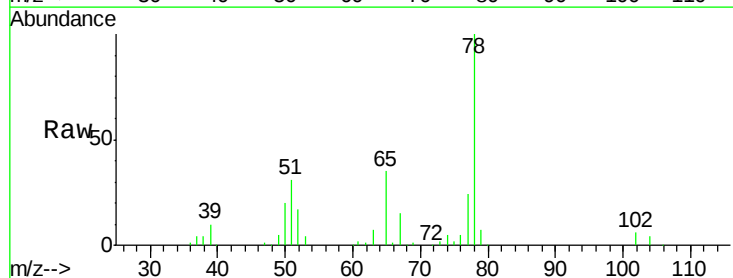
Acq: 12 May 2019 14:24

Tgt Ion: 65 Resp: 238845

Ion Ratio Lower Upper

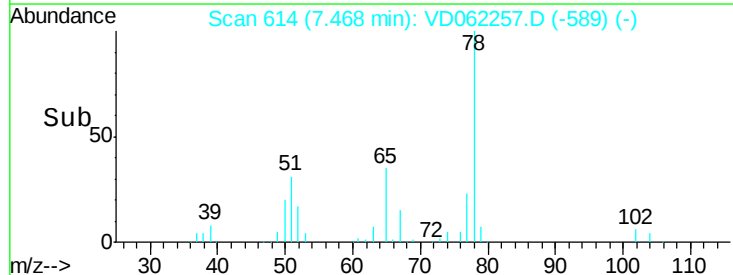
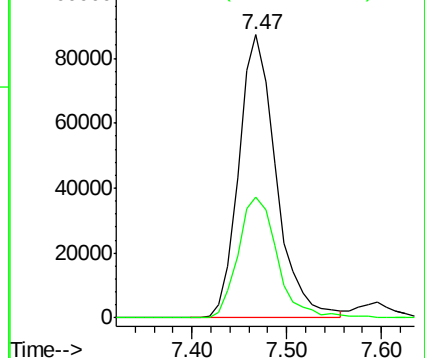
65 100

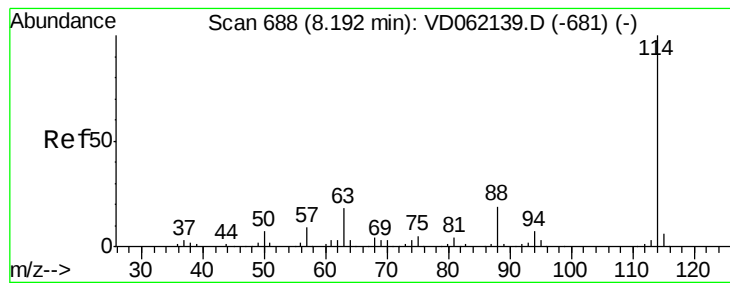
67 42.6 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 692

Delta R.T. 0.04 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

P021-SS001-0002-01MS

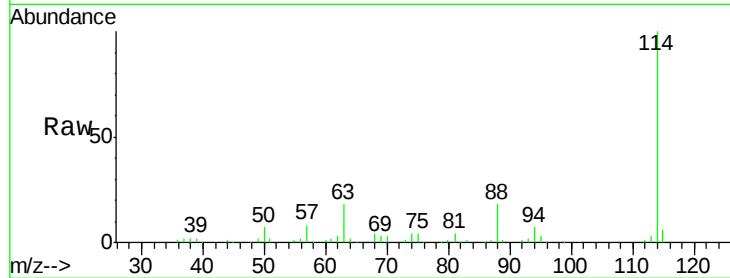
Tot Ion:114 Resp: 755083

Ion Ratio Lower Upper

114 100

63 17.6 0.0 32.4

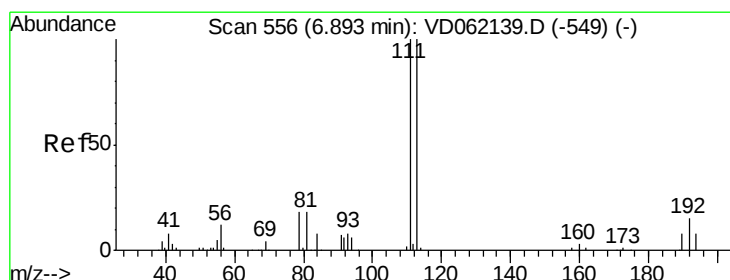
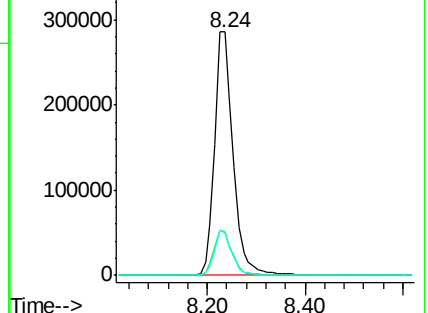
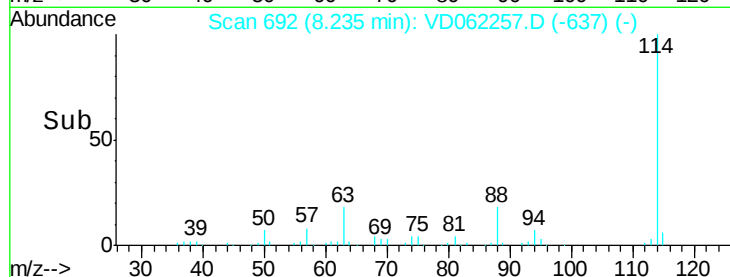
88 18.1 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 48.949 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.05 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

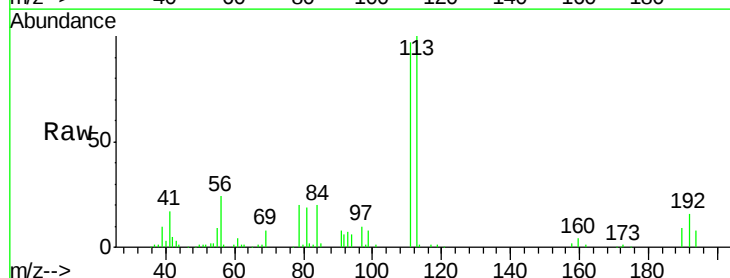
Tgt Ion:113 Resp: 306663

Ion Ratio Lower Upper

113 100

111 96.6 78.5 117.7

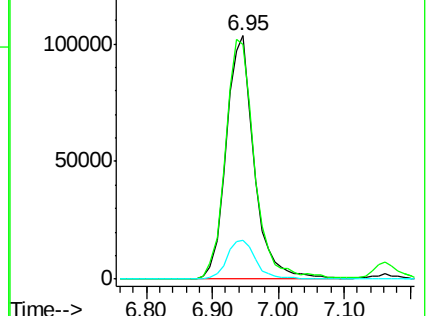
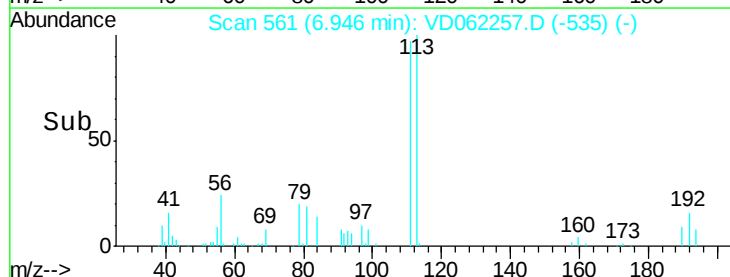
192 15.9 13.0 19.4

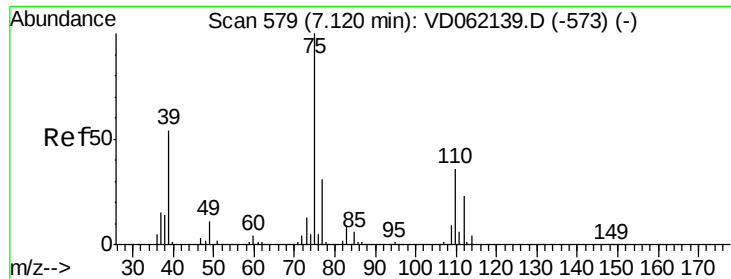


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

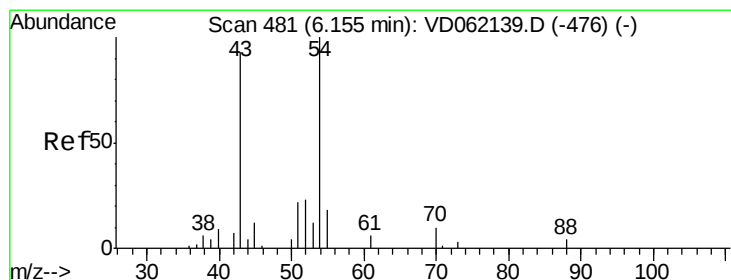
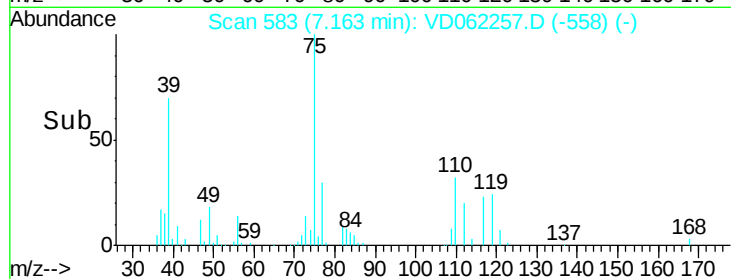
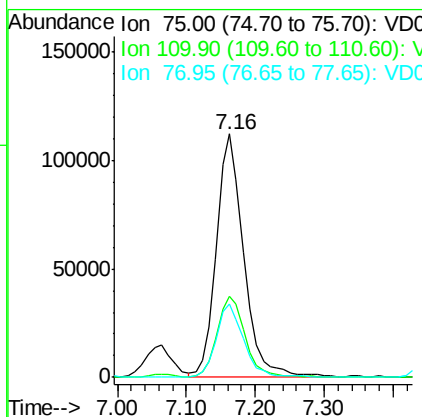
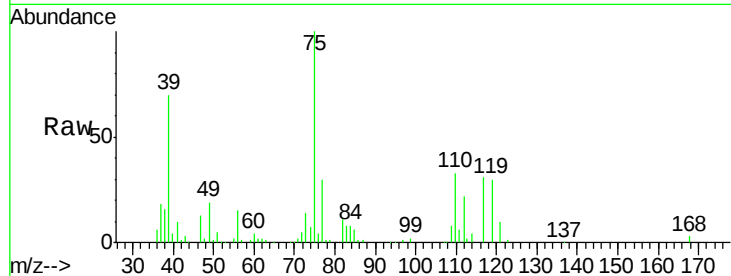




#36
 1,1-Dichloropropene
 Concen: 49.914 ug/l
 RT: 7.16 min Scan# 583
 Delta R.T. 0.04 min
 Lab File: VD062257.D
 Acq: 12 May 2019 14:24

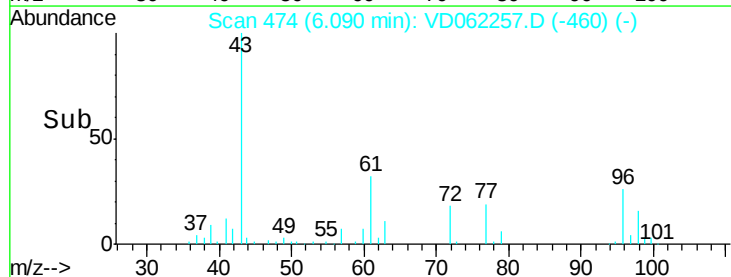
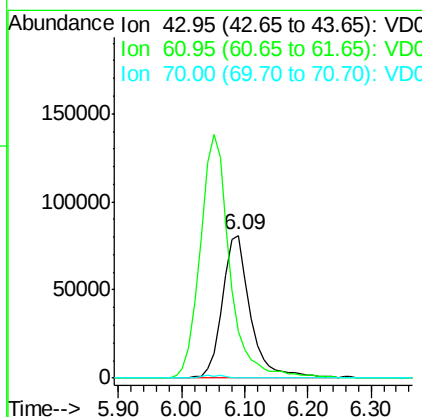
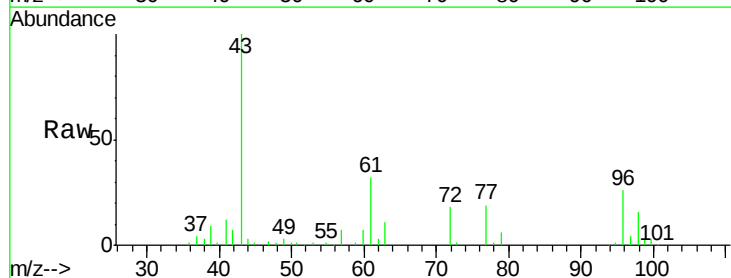
Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS001-0002-01MS

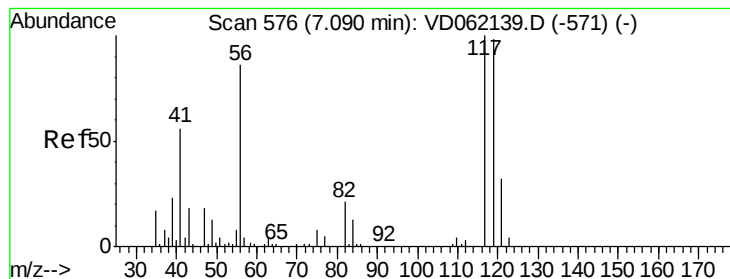
Tot Ion	Ratio	Lower	Upper
75	100		
110	33.2	19.1	57.1
77	30.4	25.6	38.4



#37
 Ethyl Acetate
 Concen: 95.402 ug/l
 RT: 6.09 min Scan# 474
 Delta R.T. -0.07 min
 Lab File: VD062257.D
 Acq: 12 May 2019 14:24

Tgt Ion	Ratio	Lower	Upper
43	100		
61	32.2	14.7	22.1#
70	0.0	7.8	11.6#





#38

Carbon Tetrachloride

Concen: 48.280 ug/l

RT: 7.12 min Scan# 579

Delta R.T. 0.03 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

P021-SS001-0002-01MS

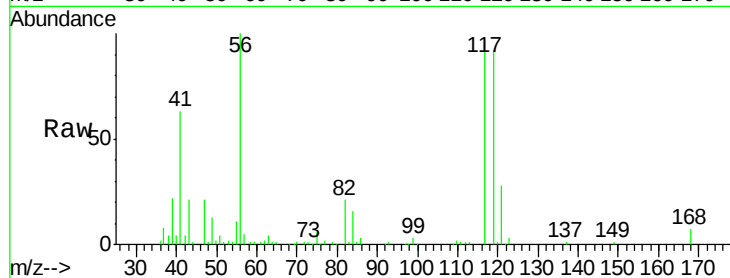
Tot Ion:117 Resp: 413704

Ion Ratio Lower Upper

117 100

119 94.3 75.8 113.8

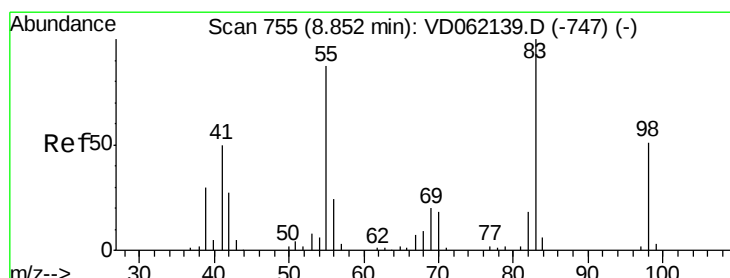
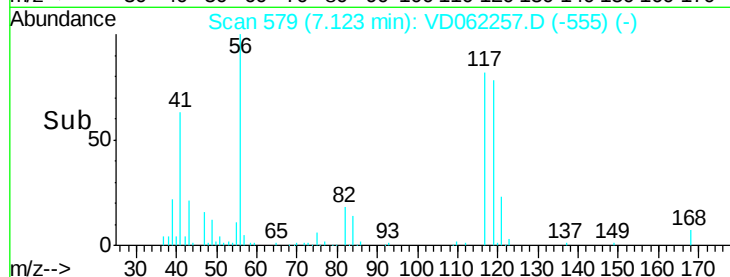
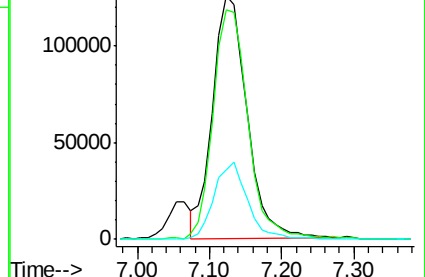
121 28.7 25.9 38.9



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#39

Methylcyclohexane

Concen: 19.407 ug/l

RT: 8.87 min Scan# 757

Delta R.T. 0.02 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

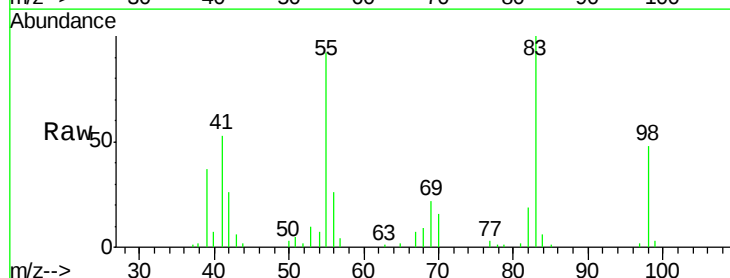
Tgt Ion: 83 Resp: 115116

Ion Ratio Lower Upper

83 100

55 91.7 68.2 102.4

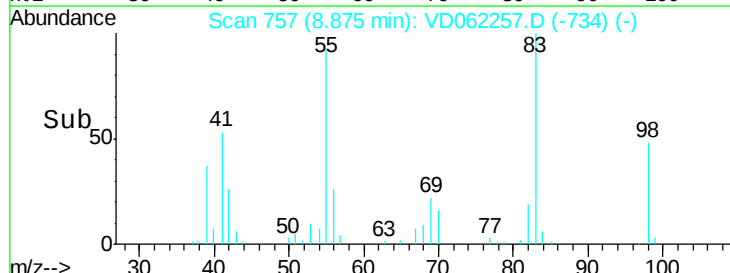
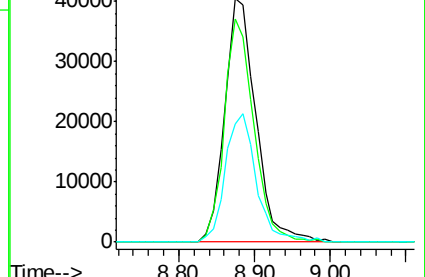
98 48.5 38.2 57.4

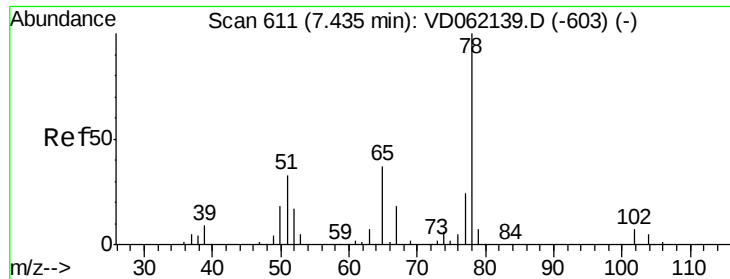


Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC





#40

Benzene

Concen: 53.105 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.03 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

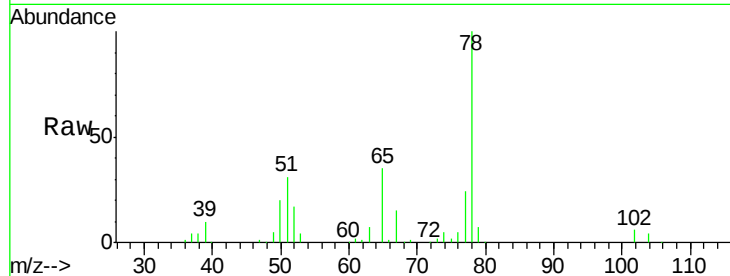
P021-SS001-0002-01MS

Tot Ion: 78 Resp: 742400

Ion Ratio Lower Upper

78 100

77 23.7 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

7.47

250000

200000

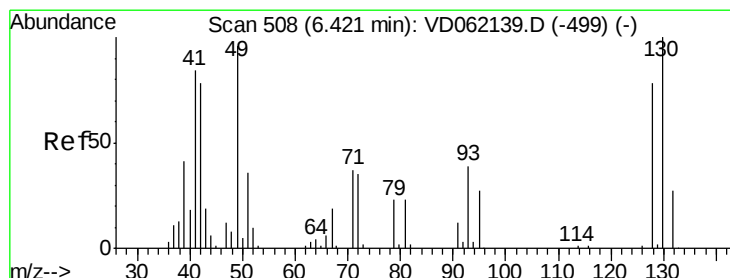
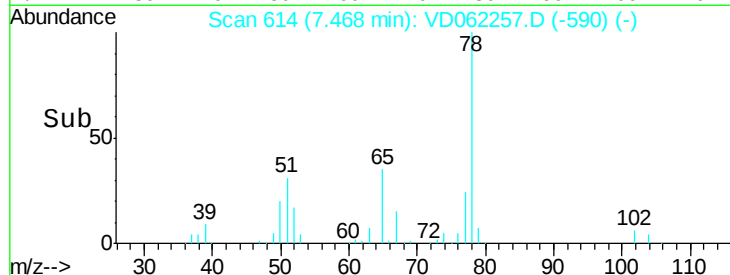
150000

100000

50000

0

Time-->



#41

Methacrylonitrile

Concen: 39.108 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.04 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

Tgt Ion: 41 Resp: 125477

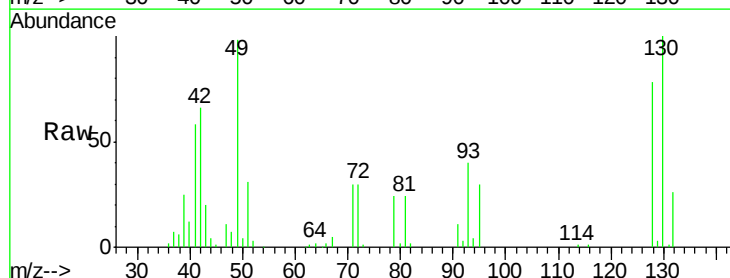
Ion Ratio Lower Upper

41 100

39 43.2 34.1 51.1

67 8.0 23.8 35.6#

52 5.0 8.8 13.2#



Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

6.46

60000

50000

40000

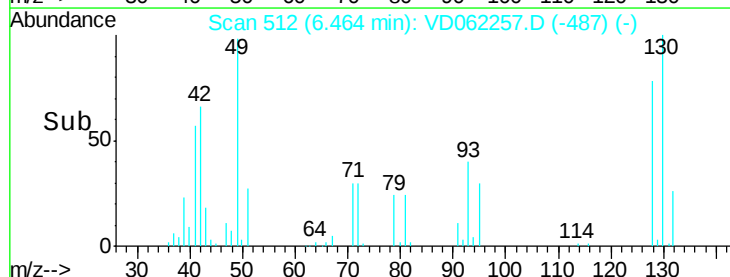
30000

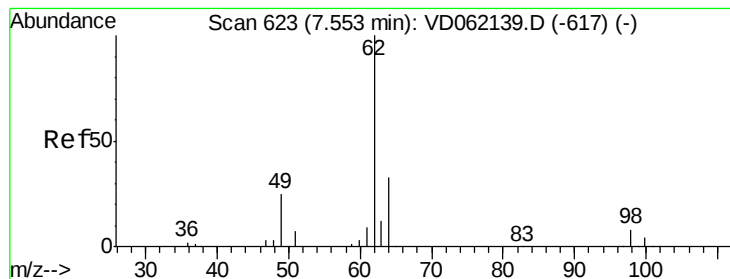
20000

10000

0

Time-->





#42

1,2-Dichloroethane

Concen: 61.457 ug/l

RT: 7.60 min Scan# 627

Delta R.T. 0.04 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

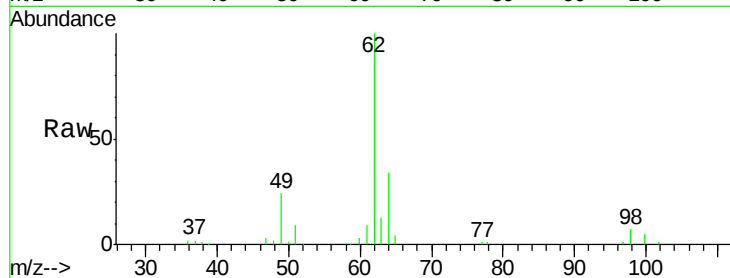
P021-SS001-0002-01MS

Tot Ion: 62 Resp: 364017

Ion Ratio Lower Upper

62 100

98 6.5 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

7.60

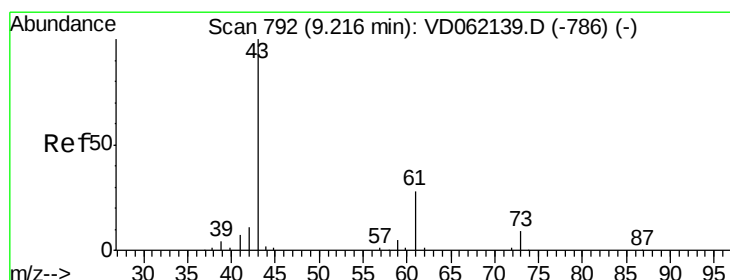
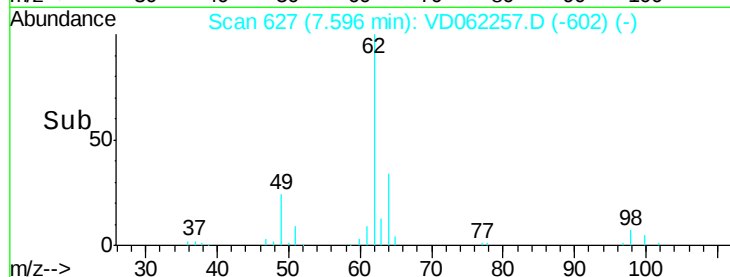
150000

100000

50000

0

Time-->



#43

Isopropyl Acetate

Concen: 2.121 ug/l

RT: 9.35 min Scan# 805

Delta R.T. 0.13 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

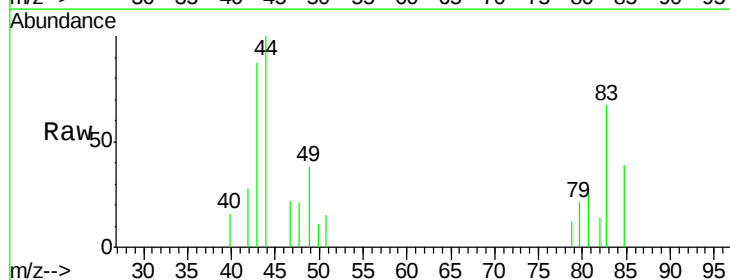
Tgt Ion: 43 Resp: 7899

Ion Ratio Lower Upper

43 100

61 0.0 25.1 37.7#

87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC

20000

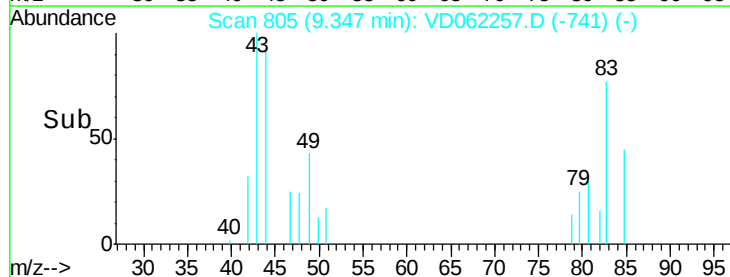
15000

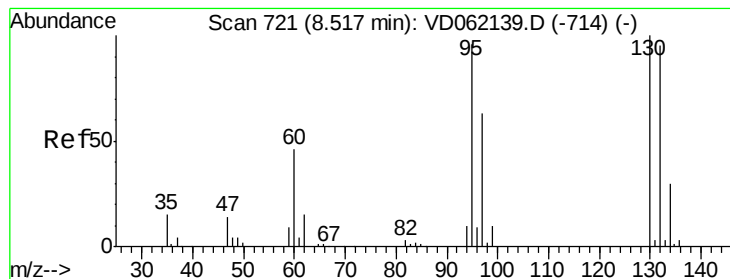
10000

5000

0

Time-->





#44

Trichloroethene

Concen: 46.950 ug/l

RT: 8.56 min Scan# 725

Delta R.T. 0.04 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

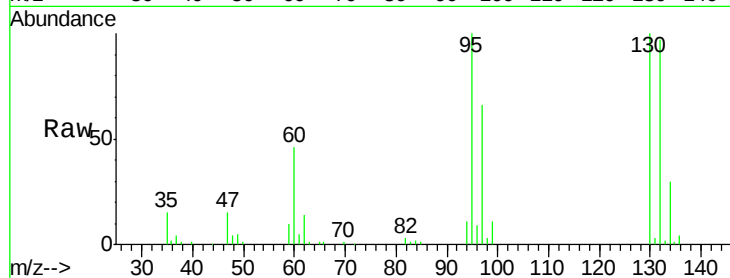
P021-SS001-0002-01MS

Tot Ion:130 Resp: 250108

Ion Ratio Lower Upper

130 100

95 100.2 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

8.56

100000

80000

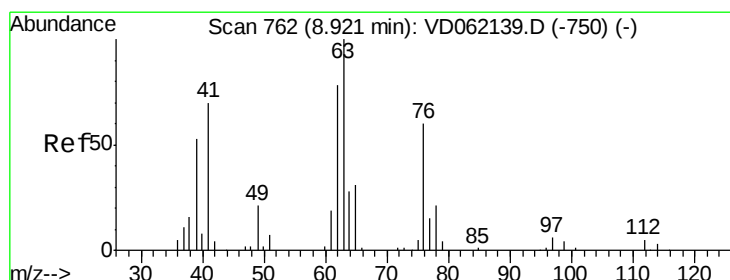
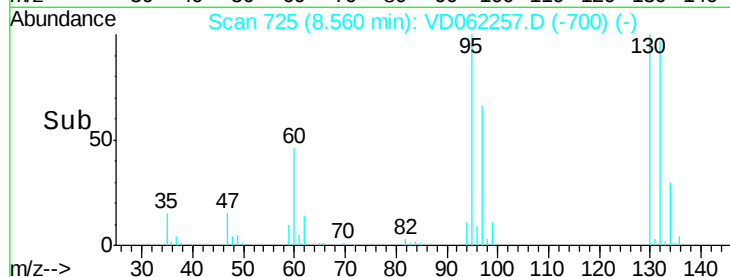
60000

40000

20000

0

Time-->



#45

1,2-Dichloropropane

Concen: 54.226 ug/l

RT: 8.95 min Scan# 765

Delta R.T. 0.03 min

Lab File: VD062257.D

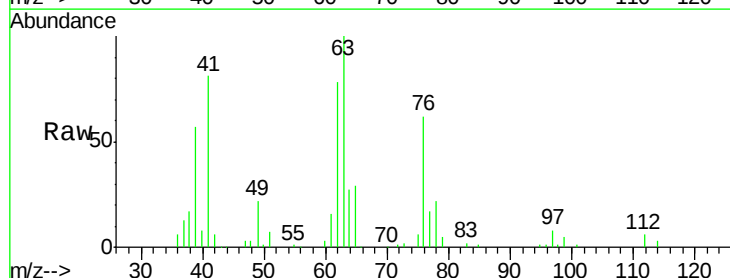
Acq: 12 May 2019 14:24

Tgt Ion: 63 Resp: 187510

Ion Ratio Lower Upper

63 100

65 28.8 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.95

80000

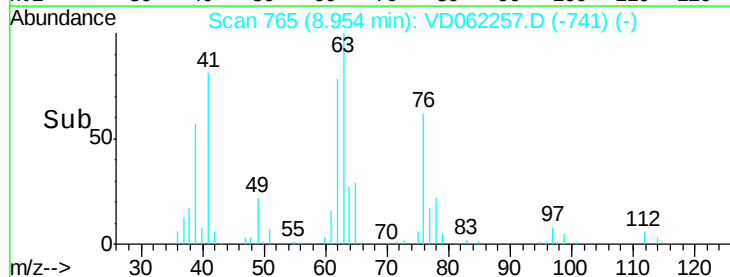
60000

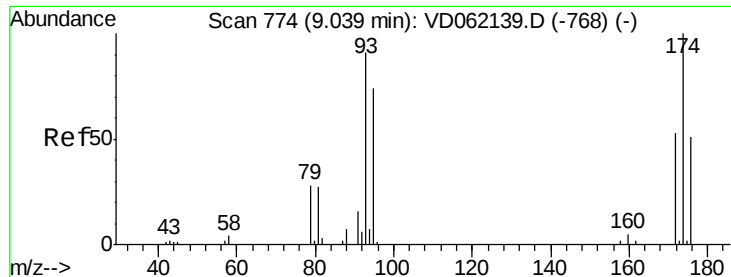
40000

20000

0

Time-->

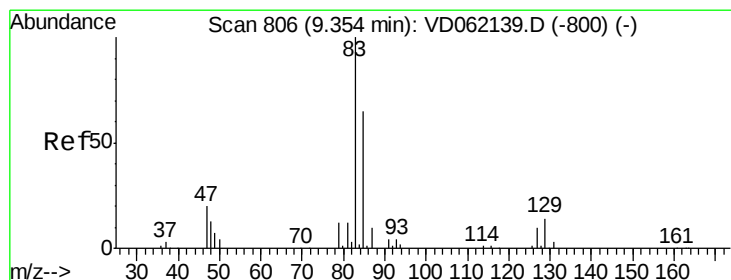
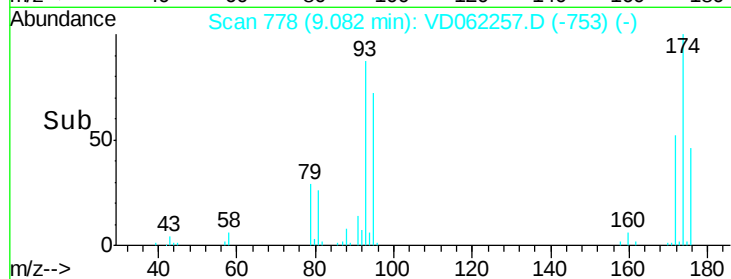
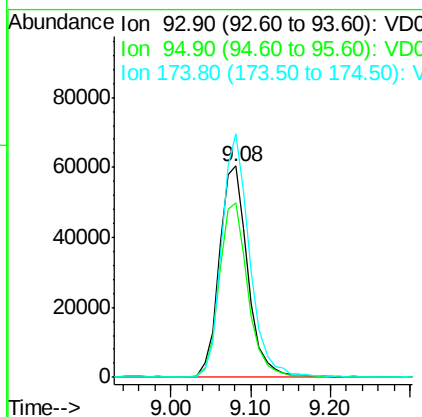
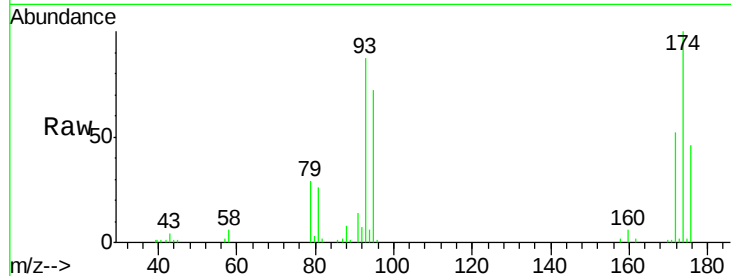




#46
Dibromomethane
Concen: 54.054 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.04 min
Lab File: VD062257.D
Acq: 12 May 2019 14:24

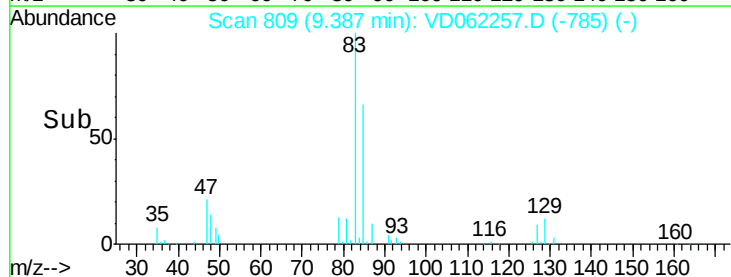
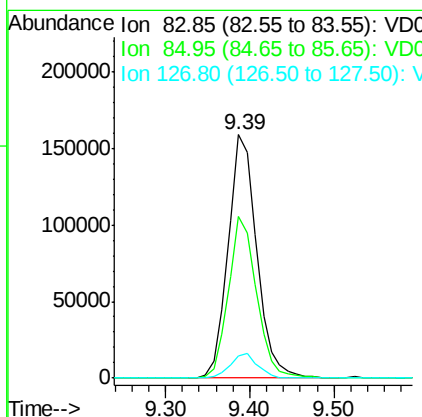
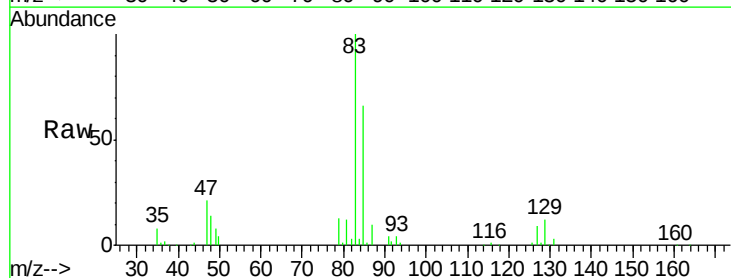
Instrument :
MSVOA_D
ClientSampleId :
P021-SS001-0002-01MS

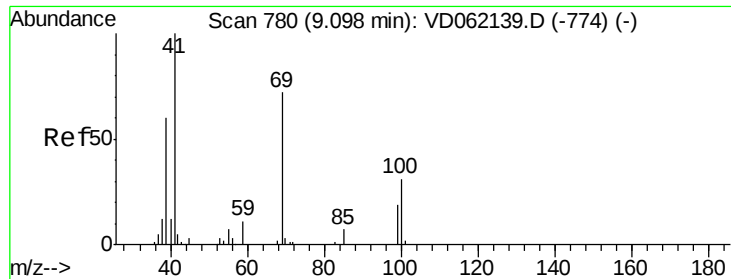
Tot Ion: 93 Resp: 151999
Ion Ratio Lower Upper
93 100
95 82.6 64.8 97.2
174 115.3 79.3 118.9



#47
Bromodichloromethane
Concen: 54.682 ug/l
RT: 9.39 min Scan# 809
Delta R.T. 0.03 min
Lab File: VD062257.D
Acq: 12 May 2019 14:24

Tgt Ion: 83 Resp: 376108
Ion Ratio Lower Upper
83 100
85 66.2 50.9 76.3
127 9.0 8.1 12.1

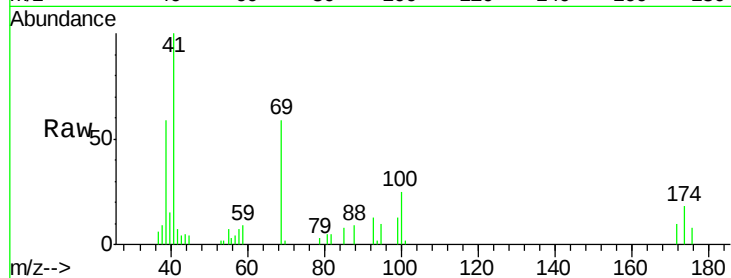




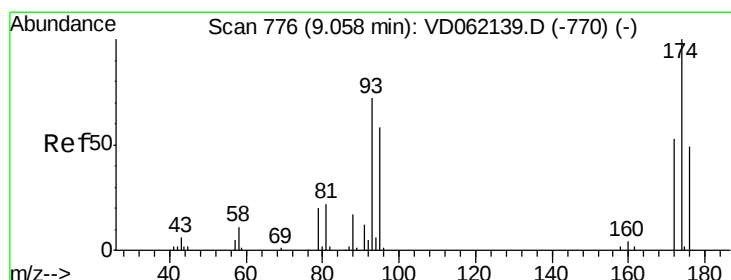
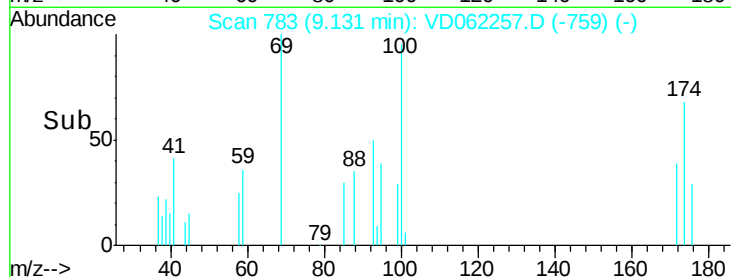
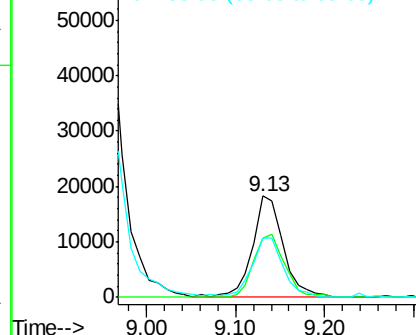
#48
Methyl methacrylate
Concen: 18.935 ug/l
RT: 9.13 min Scan# 783
Delta R.T. 0.03 min
Lab File: VD062257.D
Acq: 12 May 2019 14:24

Instrument :
MSVOA_D
ClientSampleId :
P021-SS001-0002-01MS

Tot Ion: 41 Resp: 43429
Ion Ratio Lower Upper
41 100
69 58.5 64.2 96.2#
39 59.2 46.8 70.2

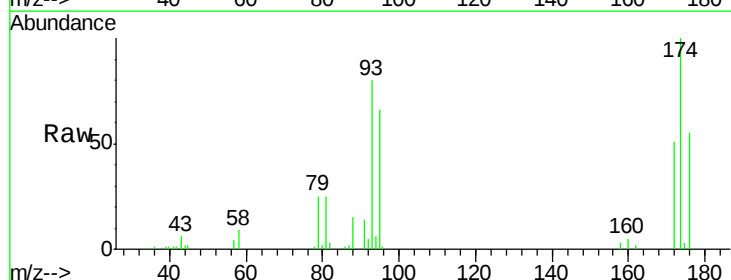


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

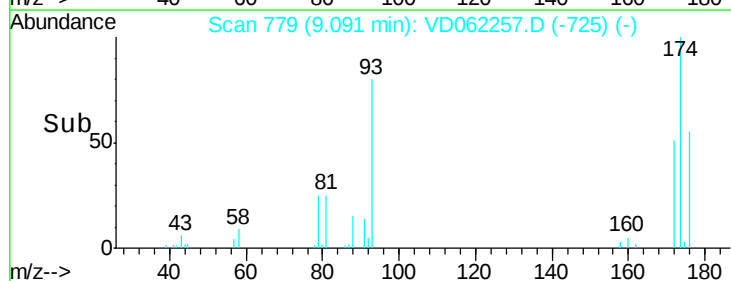
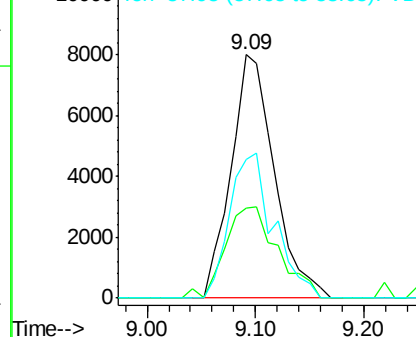


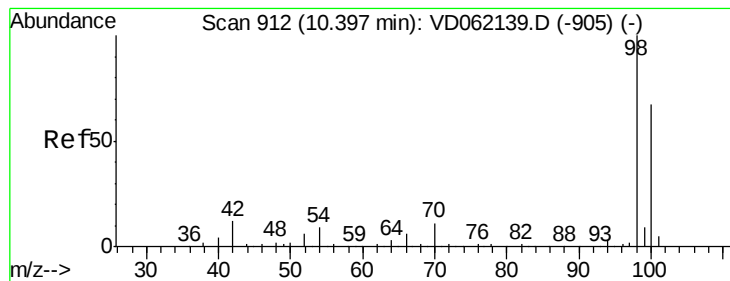
#49
1,4-Dioxane
Concen: 901.870 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.03 min
Lab File: VD062257.D
Acq: 12 May 2019 14:24

Tgt Ion: 88 Resp: 22318
Ion Ratio Lower Upper
88 100
43 36.9 23.4 35.0#
58 57.0 44.0 66.0



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





#50

Toluene-d8

Concen: 35.278 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

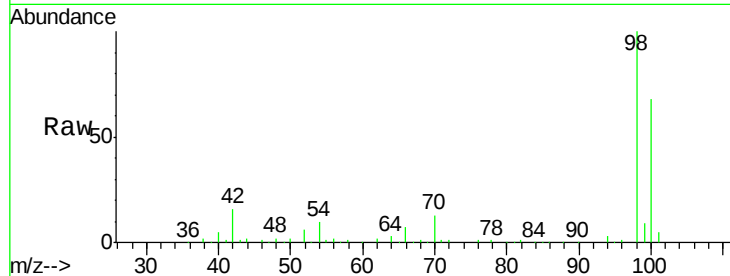
P021-SS001-0002-01MS

Tot Ion: 98 Resp: 532890

Ion Ratio Lower Upper

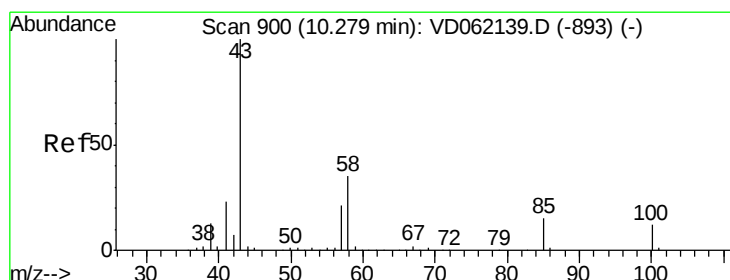
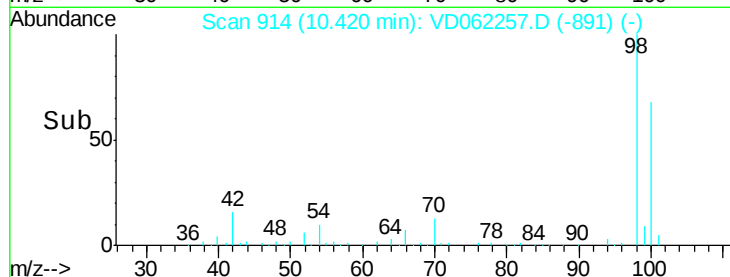
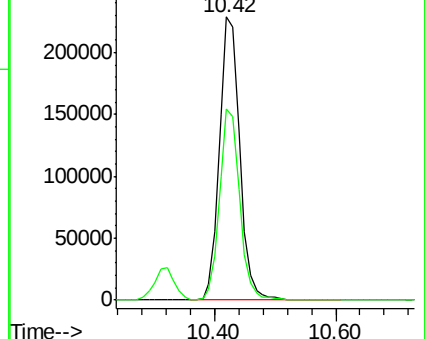
98 100

100 67.6 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#51

4-Methyl-2-Pentanone

Concen: 217.521 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.03 min

Lab File: VD062257.D

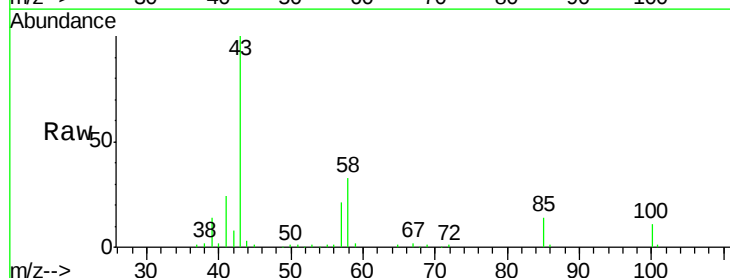
Acq: 12 May 2019 14:24

Tgt Ion: 43 Resp: 520644

Ion Ratio Lower Upper

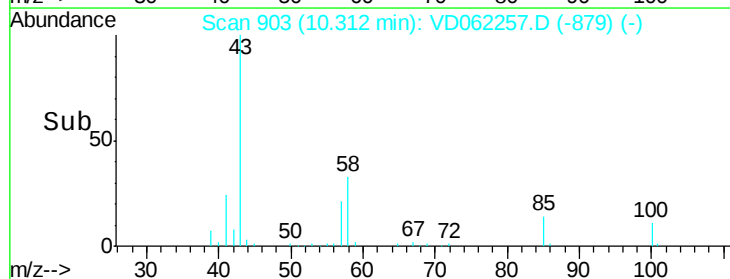
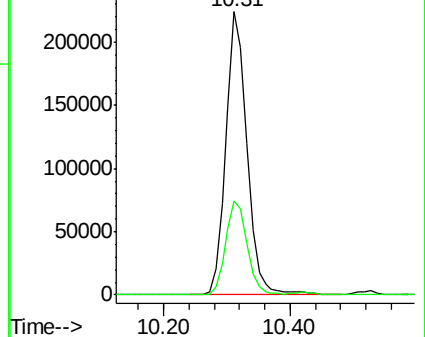
43 100

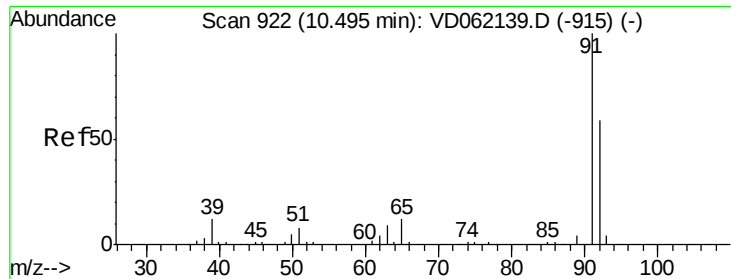
58 33.0 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#52

Toluene

Concen: 44.729 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

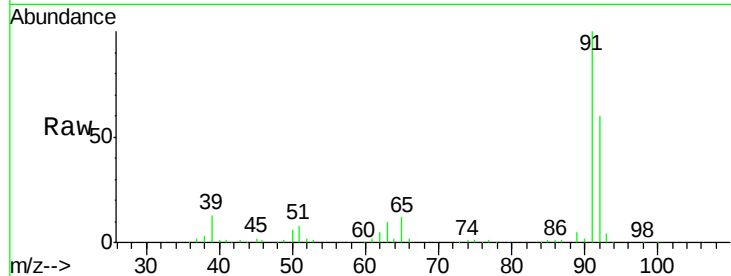
P021-SS001-0002-01MS

Tot Ion: 92 Resp: 406855

Ion Ratio Lower Upper

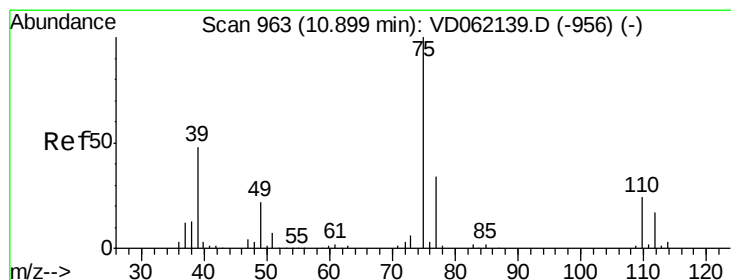
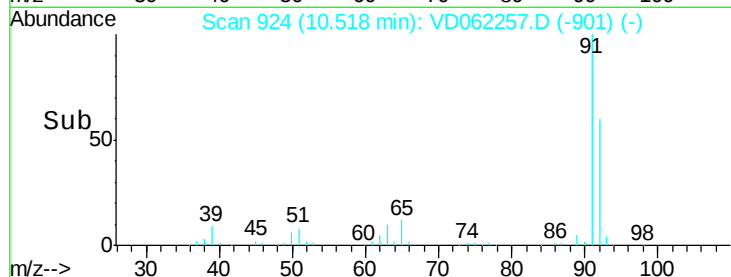
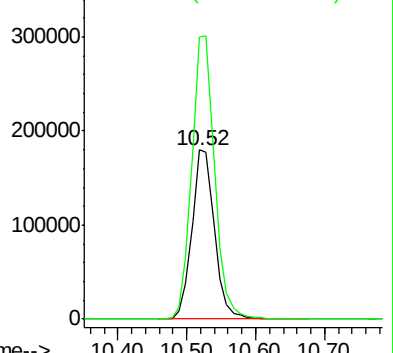
92 100

91 166.6 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#53

t-1,3-Dichloropropene

Concen: 32.861 ug/l

RT: 10.92 min Scan# 965

Delta R.T. 0.02 min

Lab File: VD062257.D

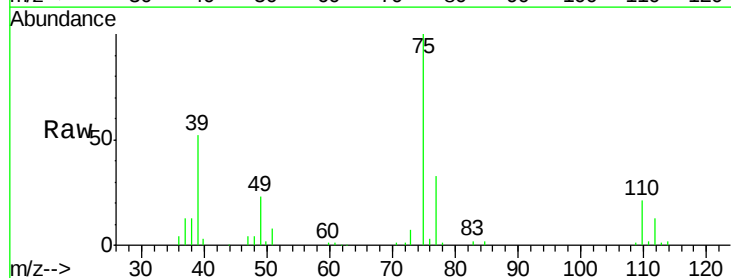
Acq: 12 May 2019 14:24

Tgt Ion: 75 Resp: 195349

Ion Ratio Lower Upper

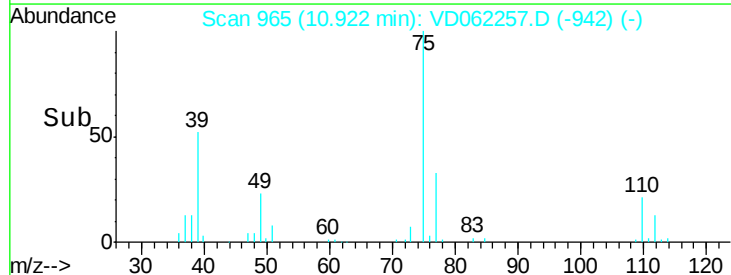
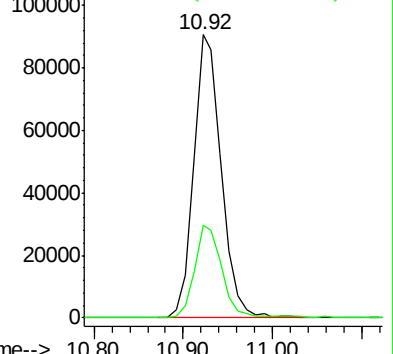
75 100

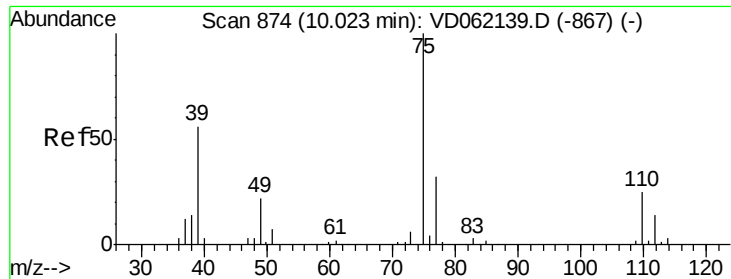
77 32.8 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



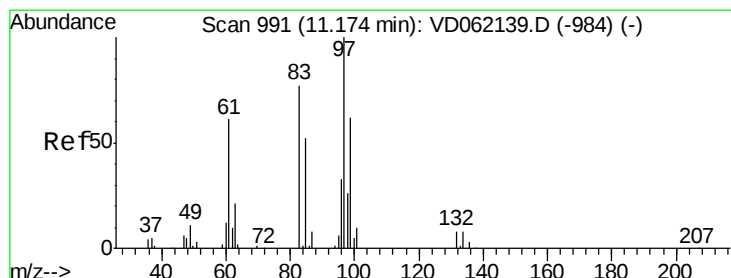
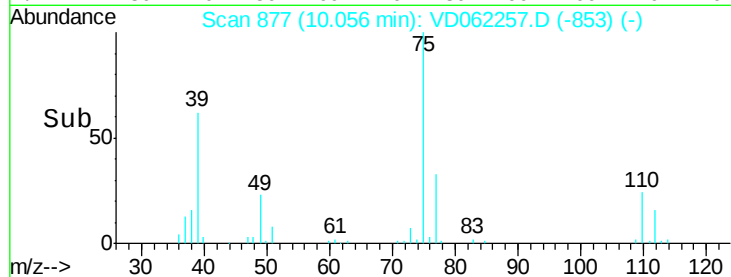
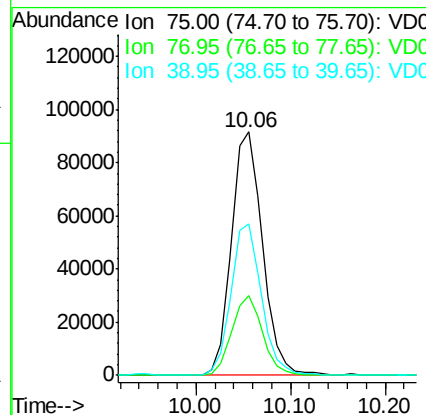
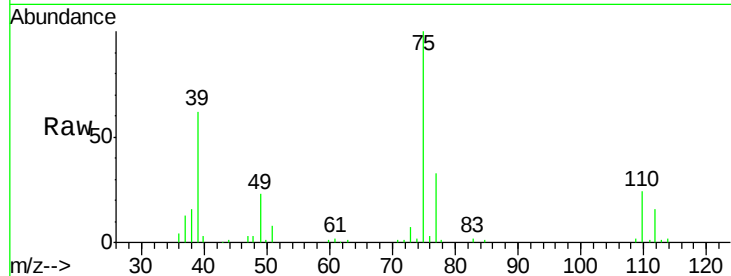


#54

cis-1,3-Dichloropropene
 Concen: 32.096 ug/l
 RT: 10.06 min Scan# 877
 Delta R.T. 0.03 min
 Lab File: VD062257.D
 Acq: 12 May 2019 14:24

Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS001-0002-01MS

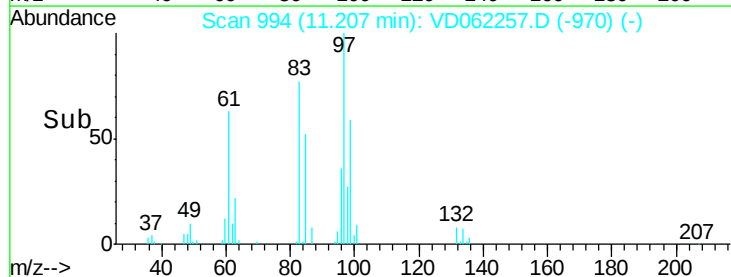
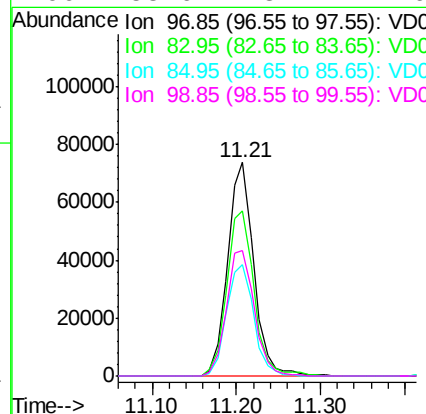
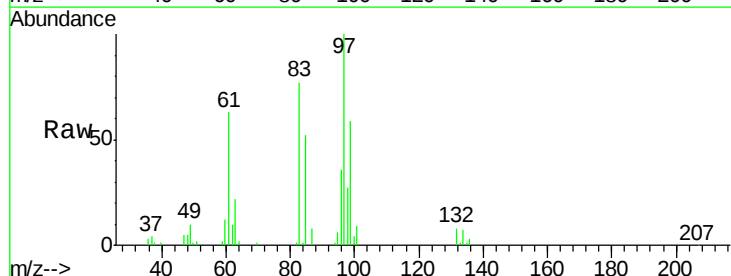
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.5	38.3
39	62.0	39.4	59.2

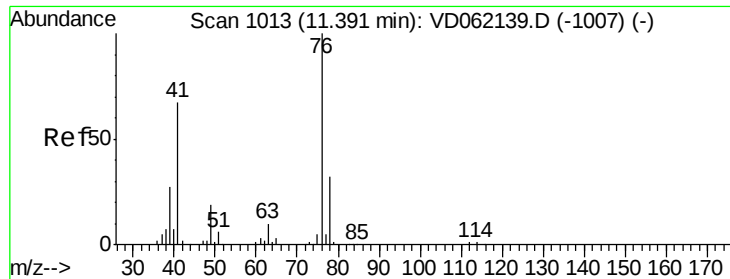


#55

1,1,2-Trichloroethane
 Concen: 49.273 ug/l
 RT: 11.21 min Scan# 994
 Delta R.T. 0.03 min
 Lab File: VD062257.D
 Acq: 12 May 2019 14:24

Tgt Ion	Ratio	Lower	Upper
97	100		
83	77.3	65.7	98.5
85	51.9	45.6	68.4
99	58.6	48.4	72.6





#57

1,3-Dichloropropane

Concen: 49.252 ug/l

RT: 11.42 min Scan# 1016

Delta R.T. 0.03 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

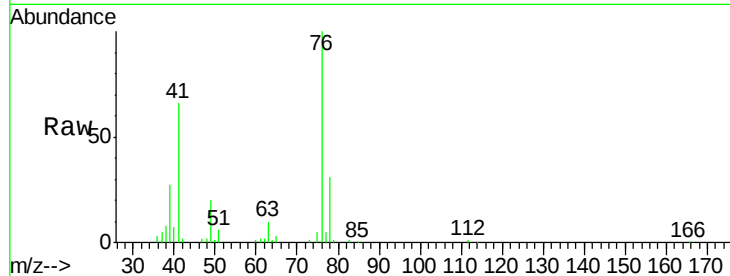
P021-SS001-0002-01MS

Tot Ion: 76 Resp: 239472

Ion Ratio Lower Upper

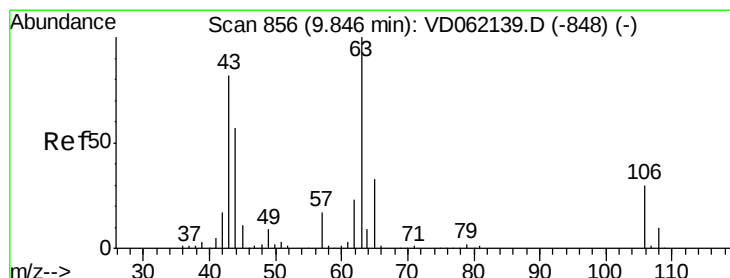
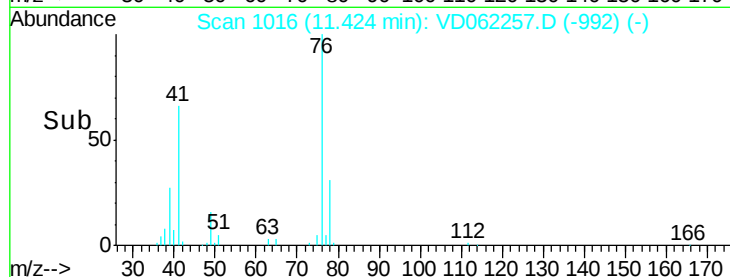
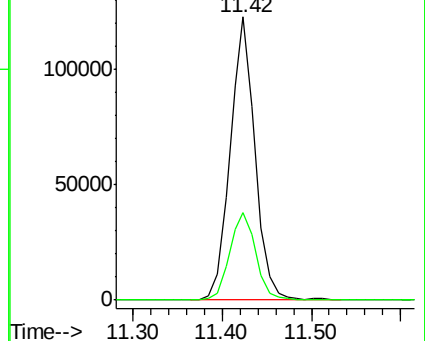
76 100

78 30.9 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 234.212 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.02 min

Lab File: VD062257.D

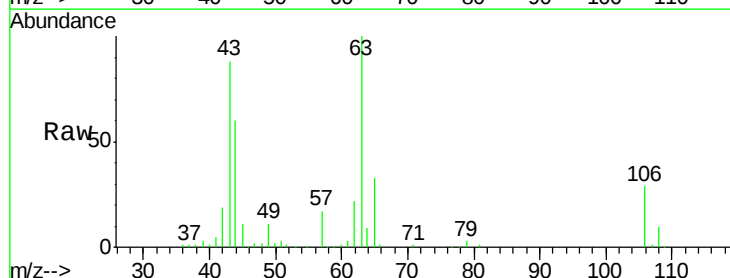
Acq: 12 May 2019 14:24

Tgt Ion: 63 Resp: 427857

Ion Ratio Lower Upper

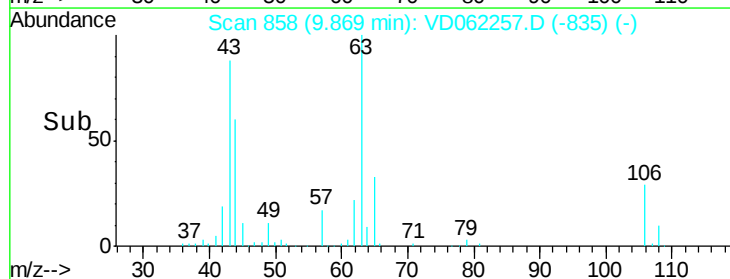
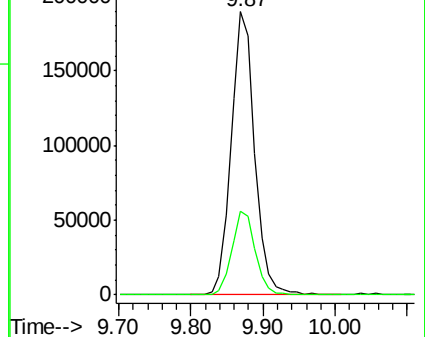
63 100

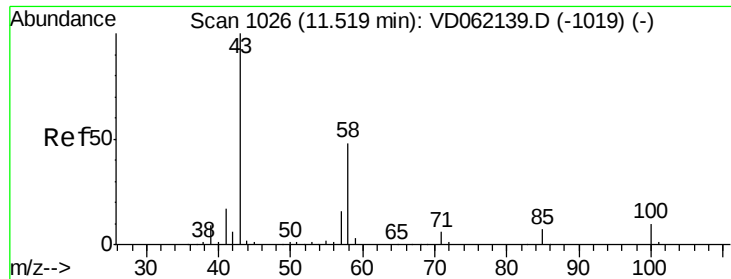
106 29.4 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

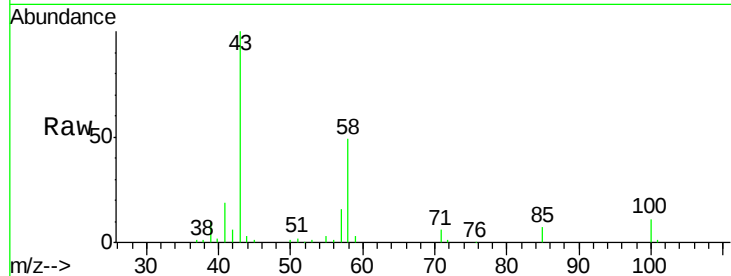




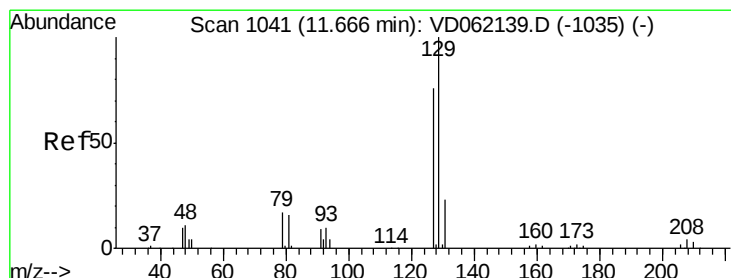
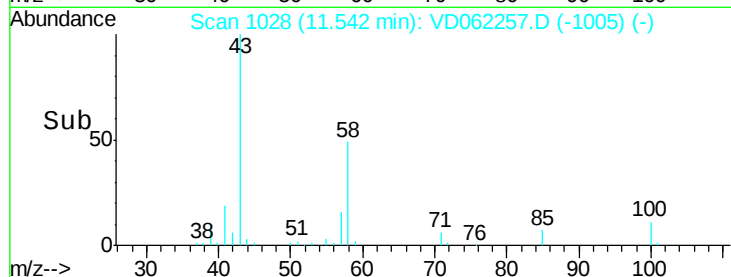
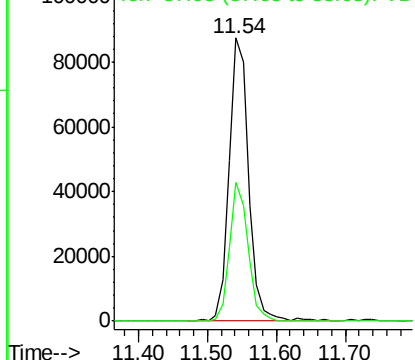
#59
2-Hexanone
Concen: 96.831 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VD062257.D
Acq: 12 May 2019 14:24

Instrument :
MSVOA_D
ClientSampleId :
P021-SS001-0002-01MS

Tot Ion: 43 Resp: 170821
Ion Ratio Lower Upper
43 100
58 49.1 25.4 76.4

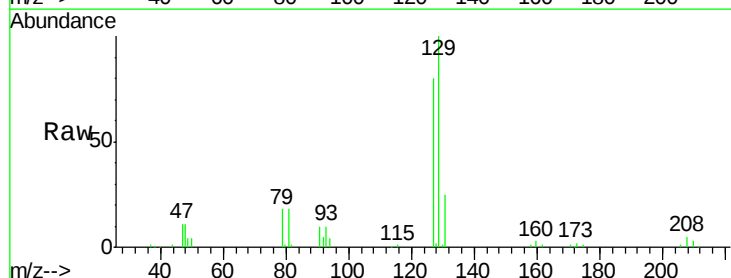


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

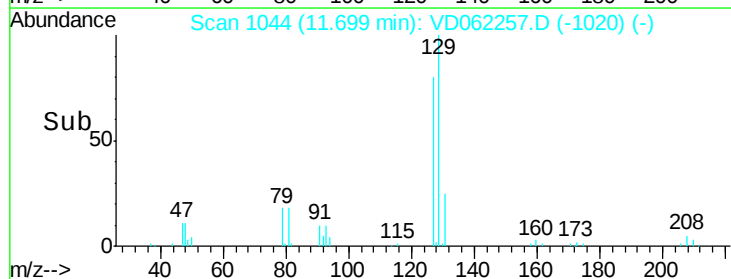
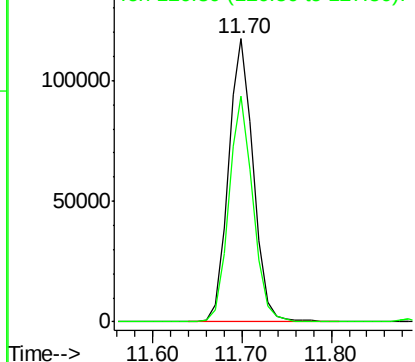


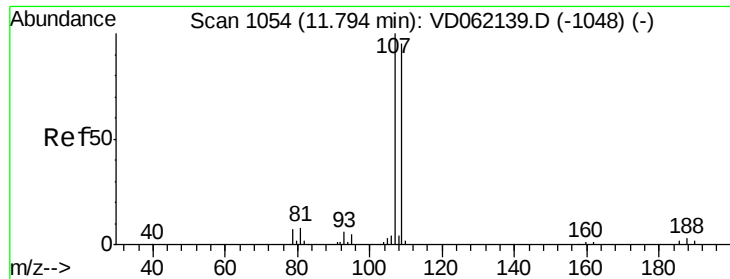
#60
Dibromochloromethane
Concen: 41.314 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.03 min
Lab File: VD062257.D
Acq: 12 May 2019 14:24

Tgt Ion: 129 Resp: 229789
Ion Ratio Lower Upper
129 100
127 79.7 38.0 113.9



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

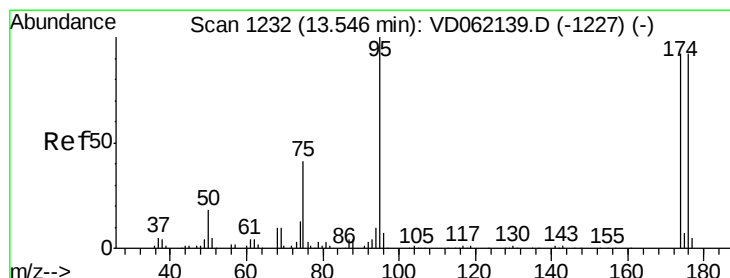
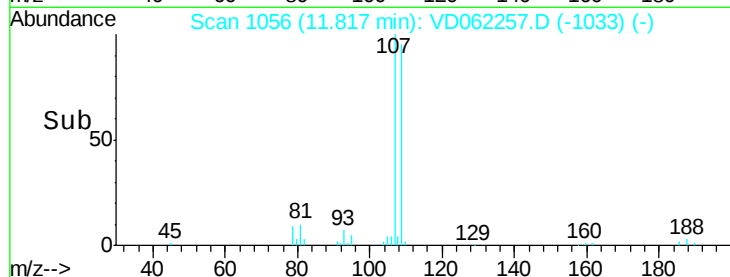
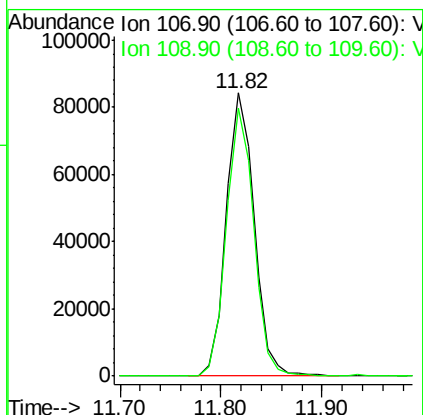
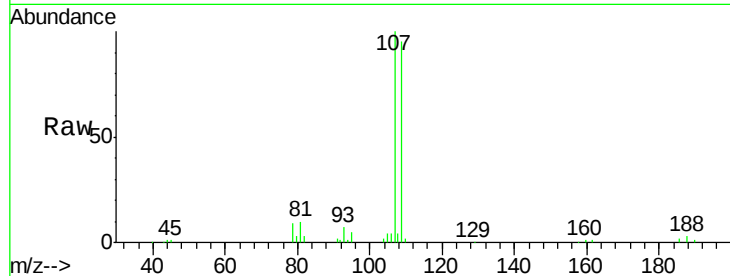




#61
 1,2-Dibromoethane
 Concen: 41.545 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.02 min
 Lab File: VD062257.D
 Acq: 12 May 2019 14:24

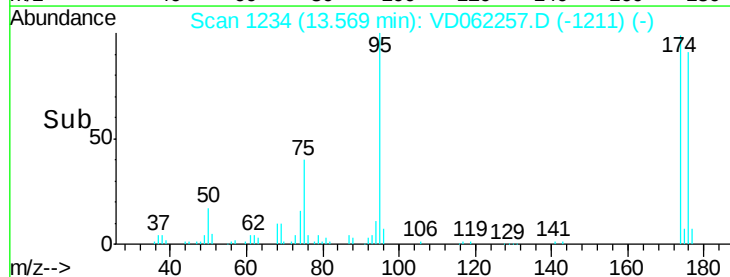
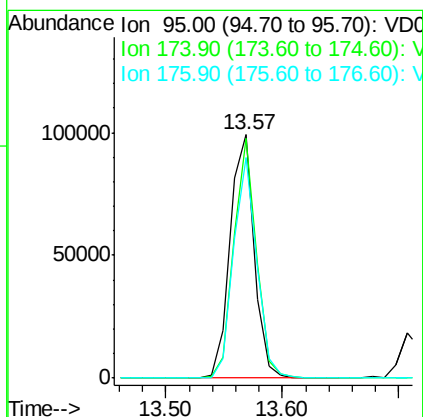
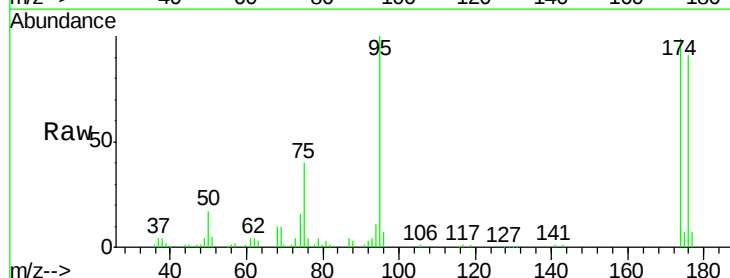
Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS001-0002-01MS

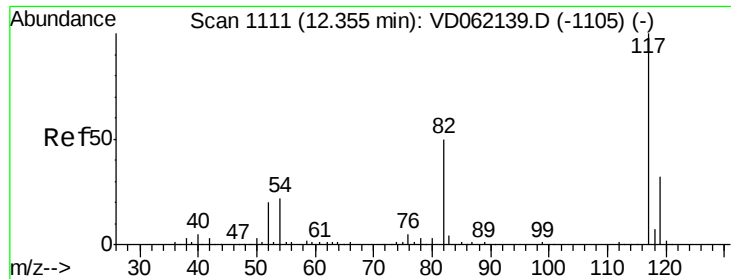
Tot Ion:107 Resp: 162554
 Ion Ratio Lower Upper
 107 100
 109 94.6 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 23.328 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. 0.02 min
 Lab File: VD062257.D
 Acq: 12 May 2019 14:24

Tgt Ion: 95 Resp: 141503
 Ion Ratio Lower Upper
 95 100
 174 98.7 0.0 181.8
 176 90.6 0.0 174.4

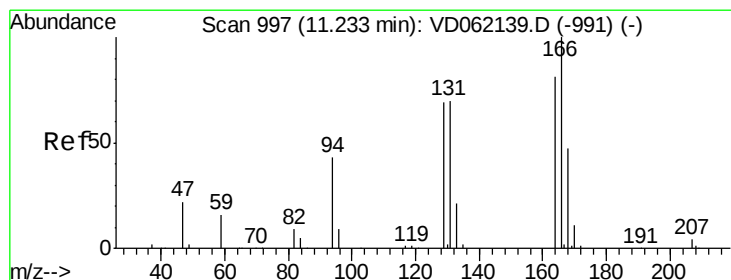
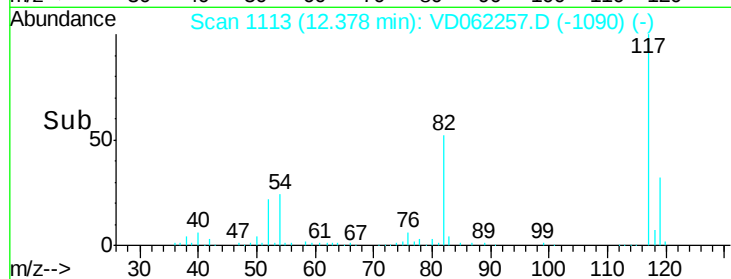
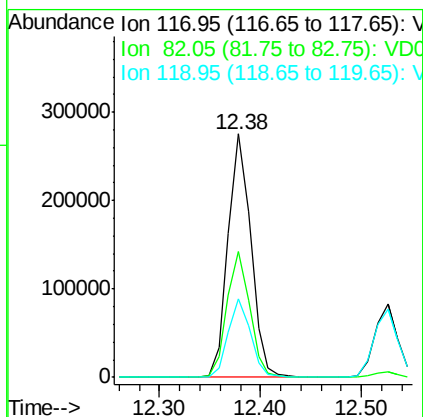
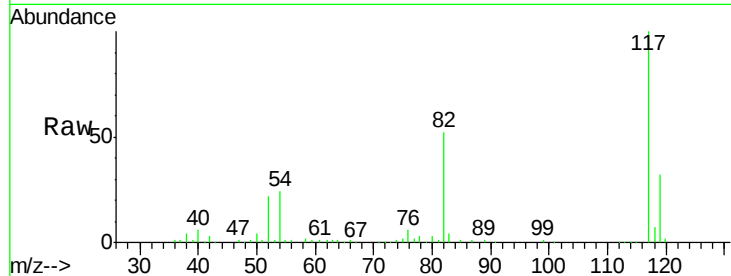




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062257.D
Acq: 12 May 2019 14:24

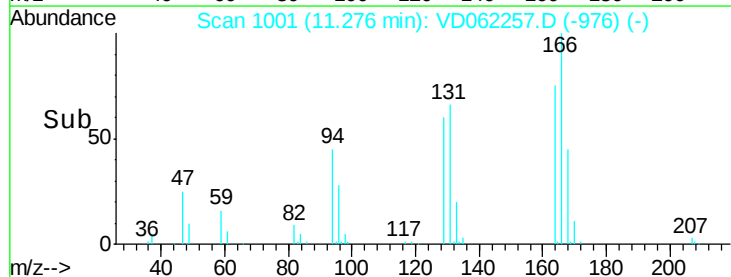
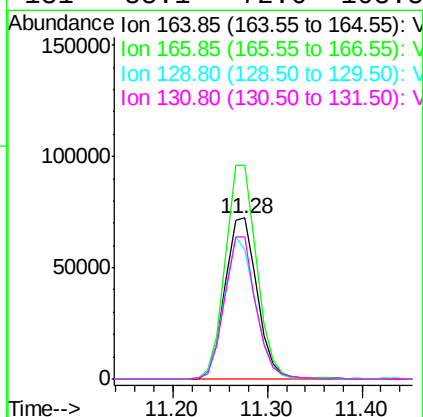
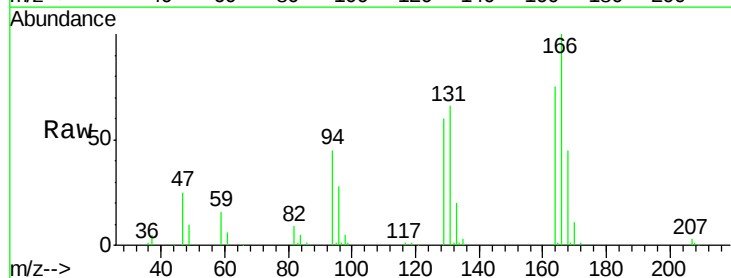
Instrument :
MSVOA_D
ClientSampleId :
P021-SS001-0002-01MS

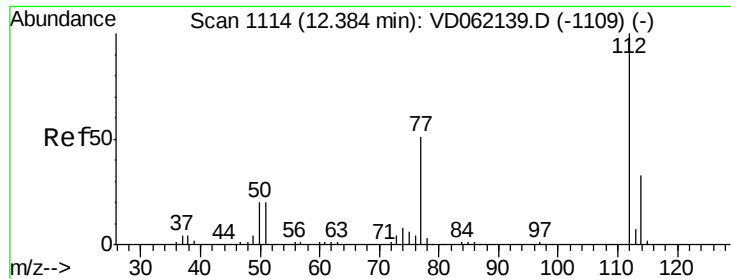
Tot Ion:117 Resp: 435330
Ion Ratio Lower Upper
117 100
82 51.5 36.2 54.2
119 32.1 26.2 39.4



#64
Tetrachloroethene
Concen: 49.733 ug/l
RT: 11.28 min Scan# 1001
Delta R.T. 0.04 min
Lab File: VD062257.D
Acq: 12 May 2019 14:24

Tgt Ion:164 Resp: 169298
Ion Ratio Lower Upper
164 100
166 132.9 101.5 152.3
129 80.3 74.6 112.0
131 88.1 72.6 108.8

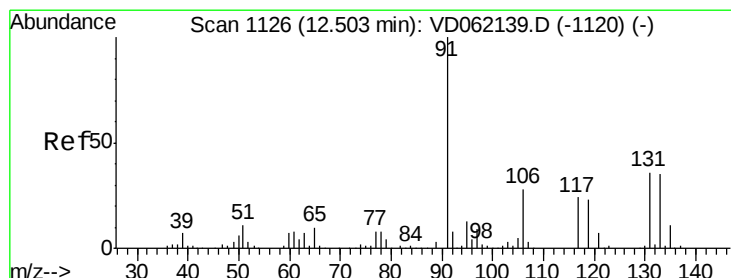
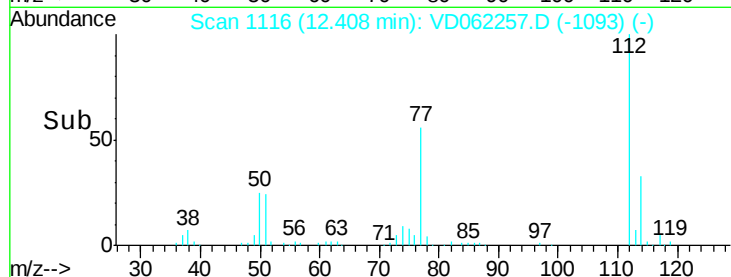
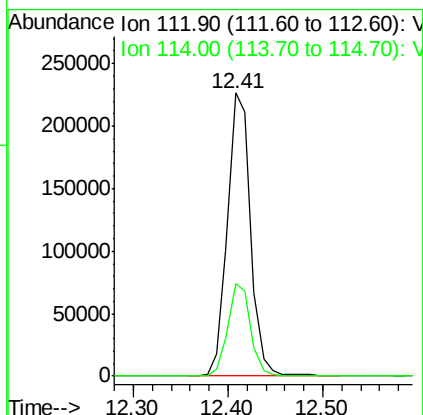
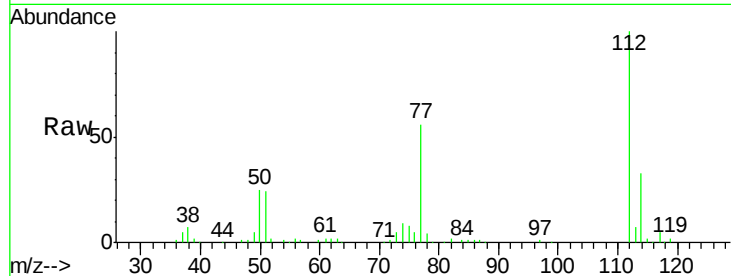




#65
Chlorobenzene
Concen: 47.216 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD062257.D
Acq: 12 May 2019 14:24

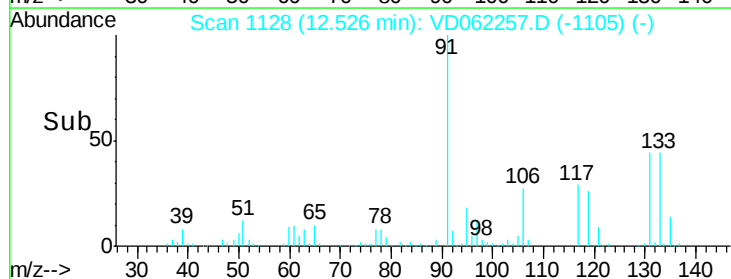
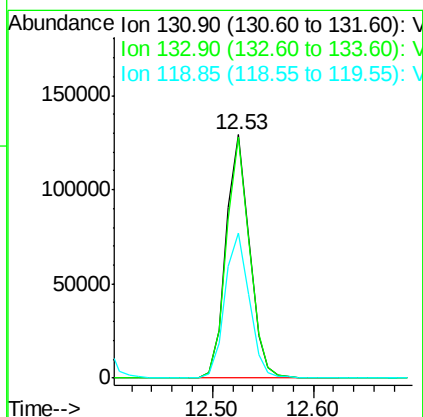
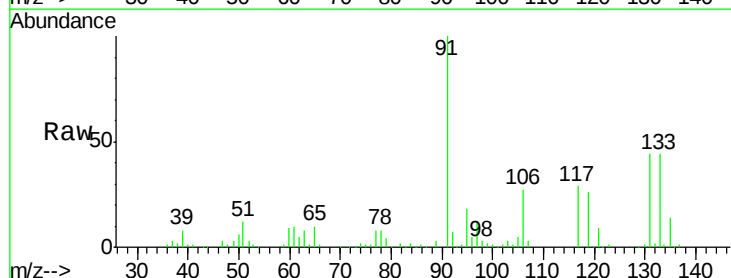
Instrument :
MSVOA_D
ClientSampleId :
P021-SS001-0002-01MS

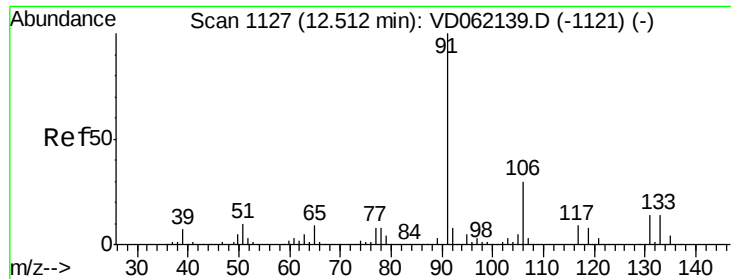
Tot Ion:112 Resp: 382834
Ion Ratio Lower Upper
112 100
114 32.7 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 59.418 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD062257.D
Acq: 12 May 2019 14:24

Tgt Ion:131 Resp: 209675
Ion Ratio Lower Upper
131 100
133 99.2 48.6 145.8
119 59.4 34.7 104.1

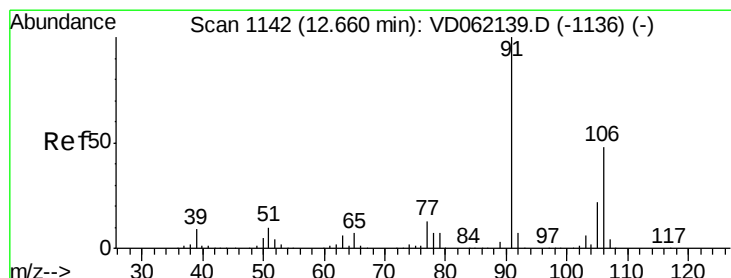
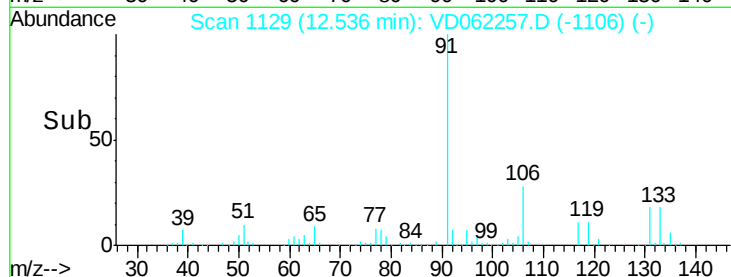
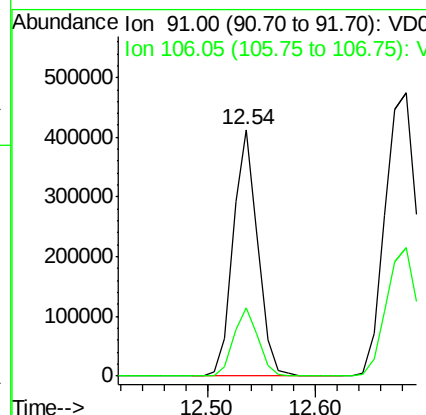
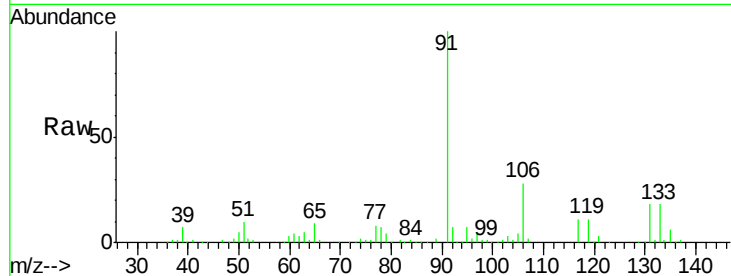




#67
Ethyl Benzene
Concen: 47.859 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD062257.D
Acq: 12 May 2019 14:24

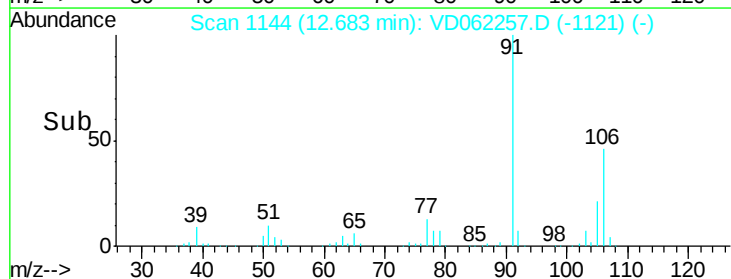
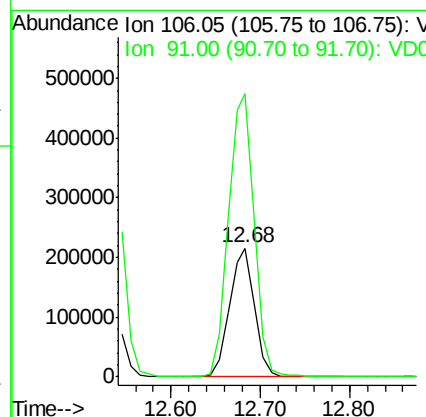
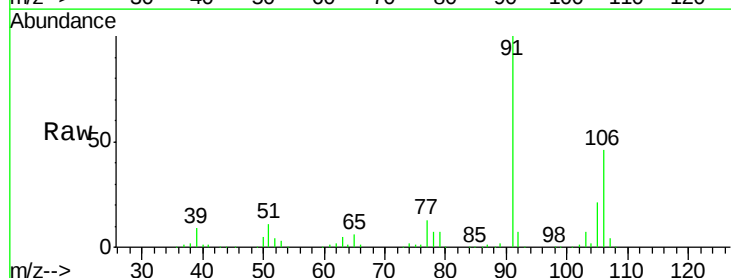
Instrument :
MSVOA_D
ClientSampleId :
P021-SS001-0002-01MS

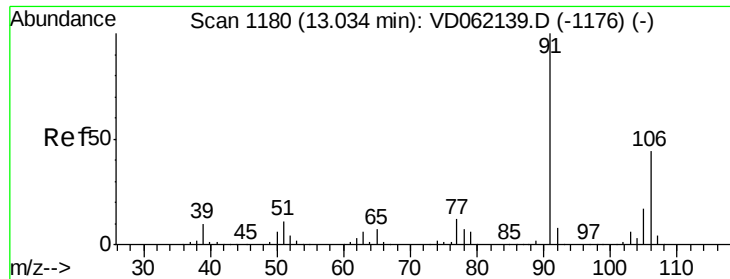
Tot Ion: 91 Resp: 649656
Ion Ratio Lower Upper
91 100
106 27.7 24.7 37.1



#68
m/p-Xylenes
Concen: 85.842 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VD062257.D
Acq: 12 May 2019 14:24

Tgt Ion: 106 Resp: 423942
Ion Ratio Lower Upper
106 100
91 219.2 164.0 246.0

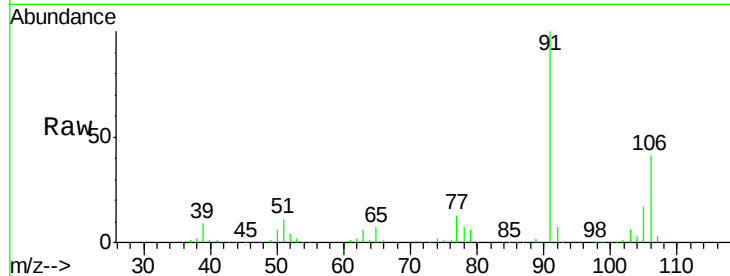




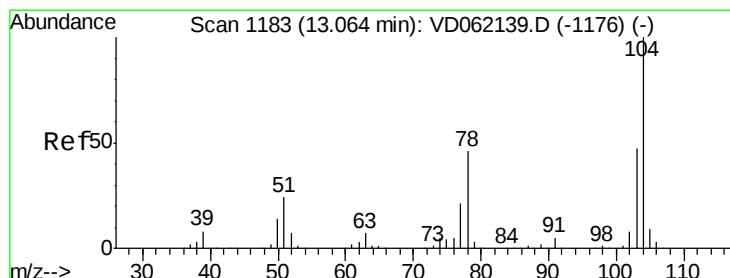
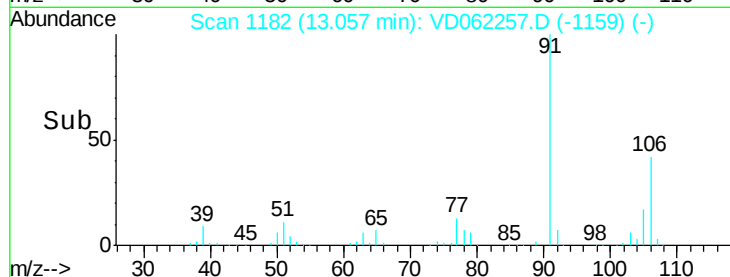
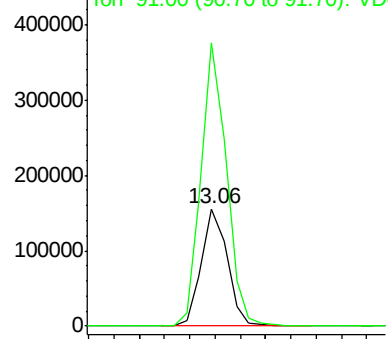
#69
o-Xylene
Concen: 48.011 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD062257.D
Acq: 12 May 2019 14:24

Instrument :
MSVOA_D
ClientSampleId :
P021-SS001-0002-01MS

Tot Ion:106 Resp: 220439
Ion Ratio Lower Upper
106 100
91 241.2 106.7 319.9

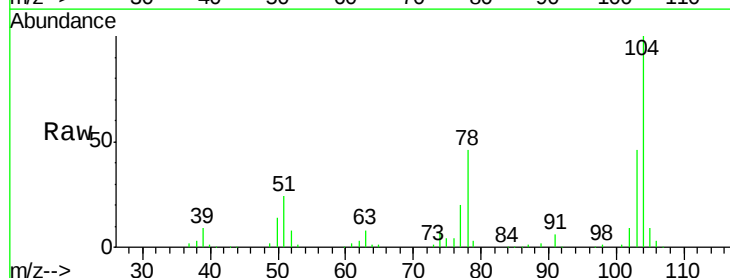


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

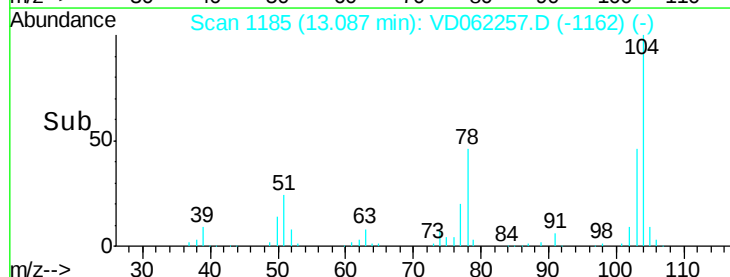
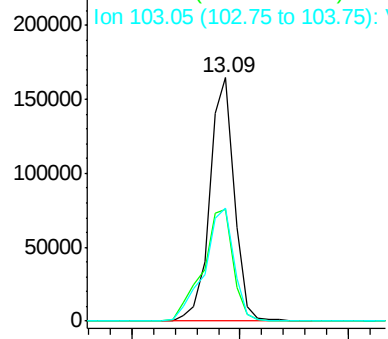


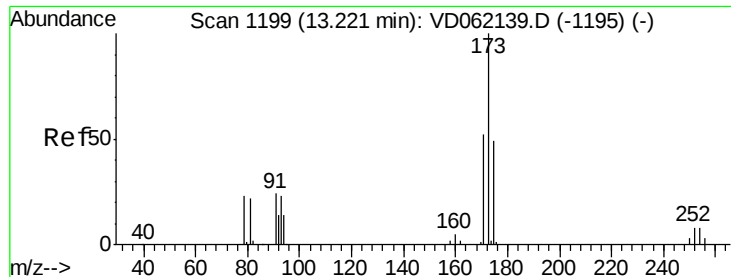
#70
Styrene
Concen: 33.156 ug/l
RT: 13.09 min Scan# 1185
Delta R.T. 0.02 min
Lab File: VD062257.D
Acq: 12 May 2019 14:24

Tgt Ion:104 Resp: 257882
Ion Ratio Lower Upper
104 100
78 45.8 35.4 53.2
103 46.2 37.5 56.3



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: 49.156 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

P021-SS001-0002-01MS

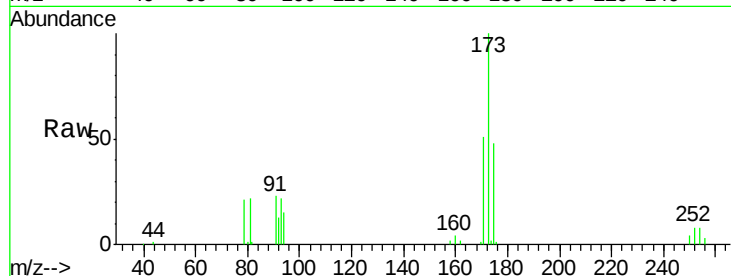
Tot Ion:173 Resp: 120683

Ion Ratio Lower Upper

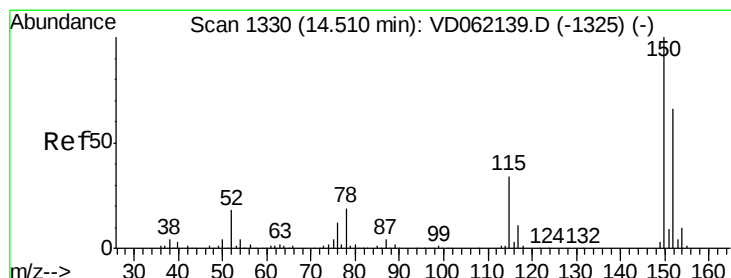
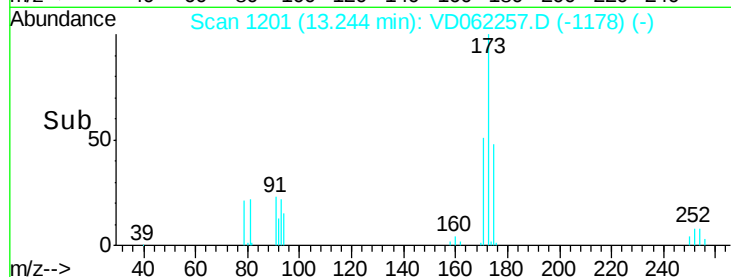
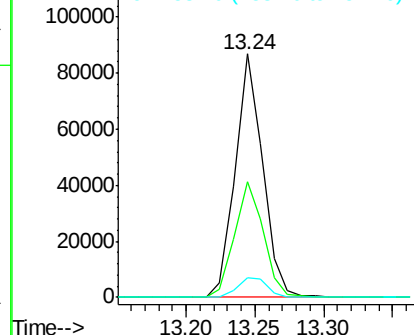
173 100

175 47.5 24.4 73.4

254 8.1 5.4 8.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

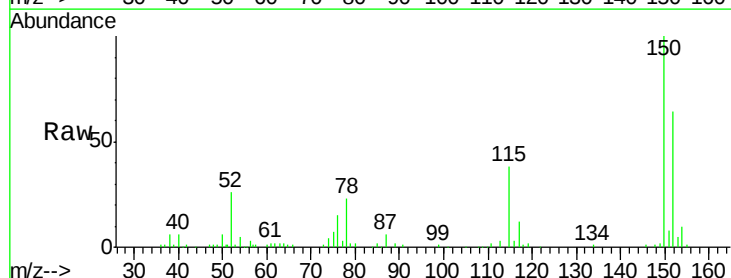
Tgt Ion:152 Resp: 111774

Ion Ratio Lower Upper

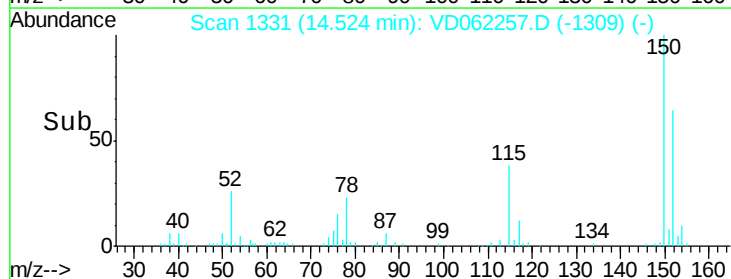
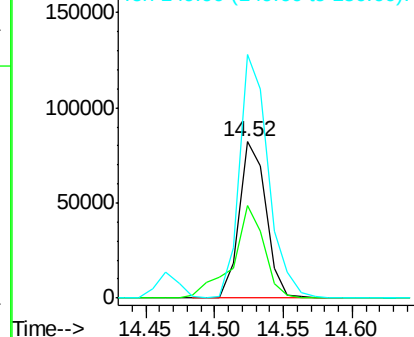
152 100

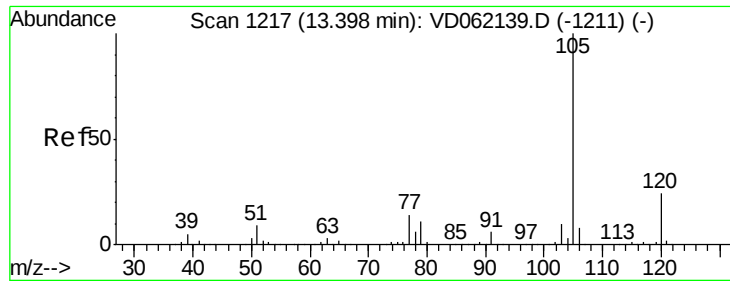
115 59.4 30.9 92.7

150 156.1 0.0 314.8



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





#73

Isopropylbenzene

Concen: 72.118 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

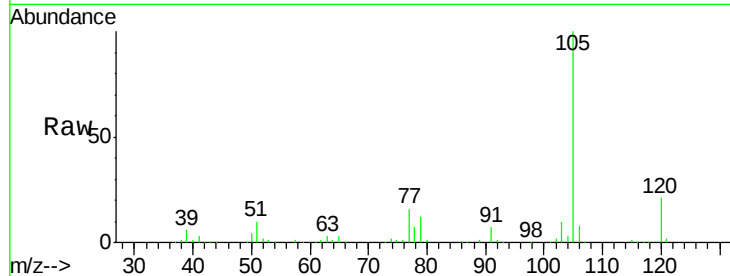
P021-SS001-0002-01MS

Tot Ion:105 Resp: 483198

Ion Ratio Lower Upper

105 100

120 20.9 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

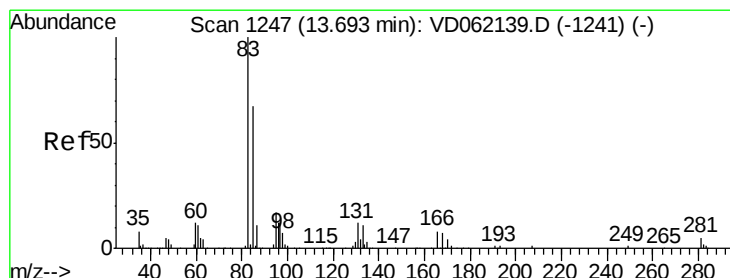
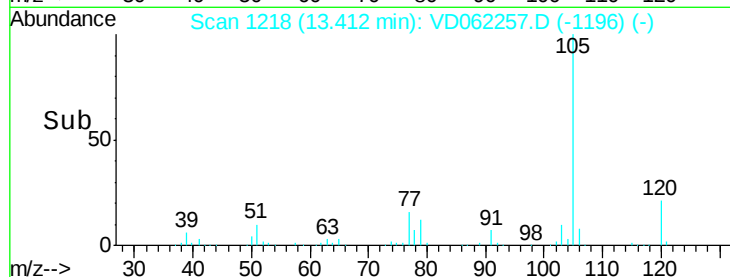
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#75

1,1,2,2-Tetrachloroethane

Concen: 105.903 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

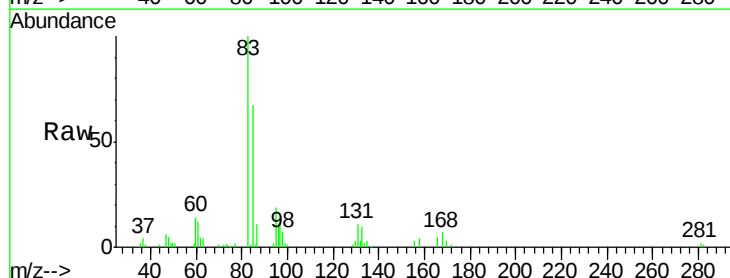
Tgt Ion: 83 Resp: 134328

Ion Ratio Lower Upper

83 100

131 10.9 5.0 14.9

85 66.6 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): V

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): V

13.71

120000

100000

80000

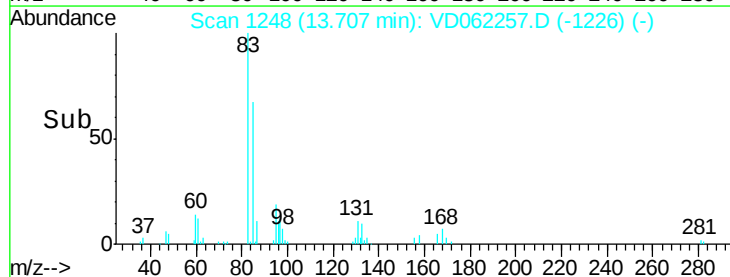
60000

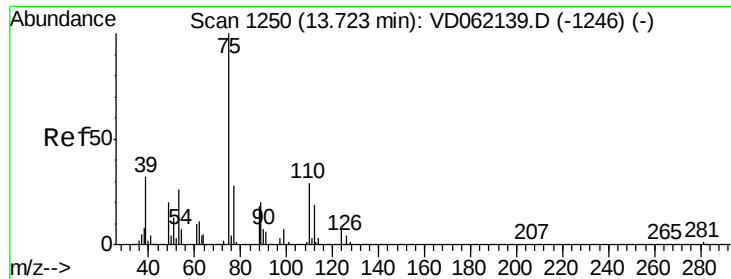
40000

20000

0

Time--> 13.60 13.70 13.80





#76

1,2,3-Trichloropropane

Concen: 92.737 ug/l

RT: 13.75 min Scan# 1252

Delta R.T. 0.02 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

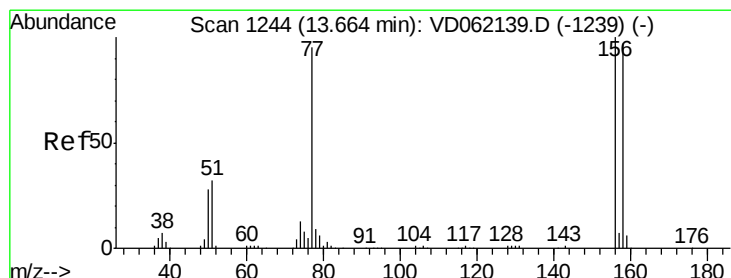
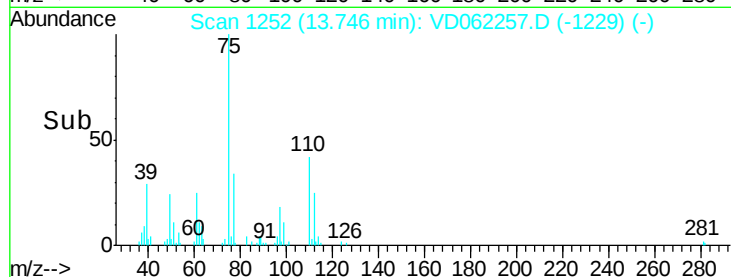
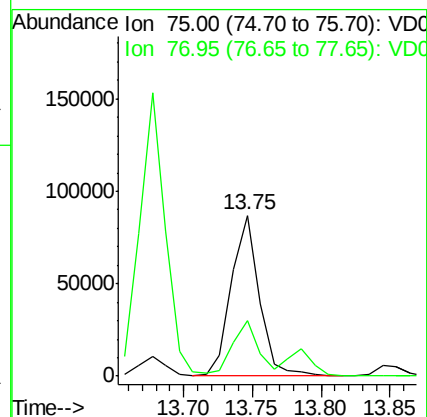
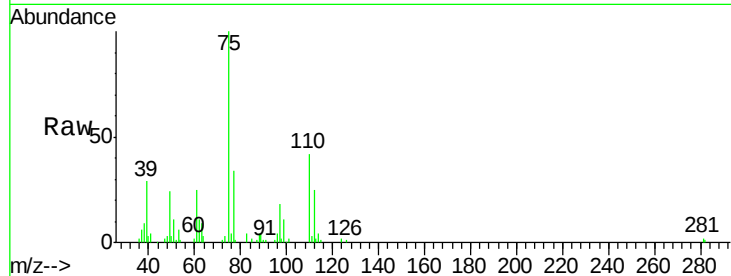
P021-SS001-0002-01MS

Tot Ion: 75 Resp: 123187

Ion Ratio Lower Upper

75 100

77 34.4 16.4 49.4



#77

Bromobenzene

Concen: 82.807 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

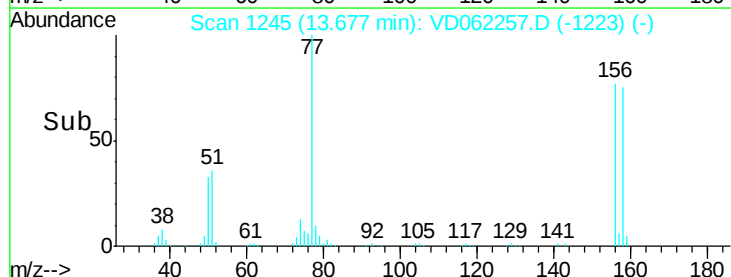
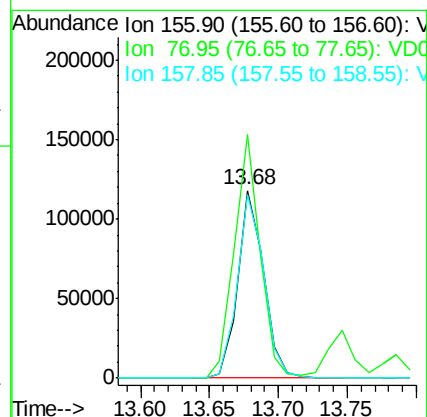
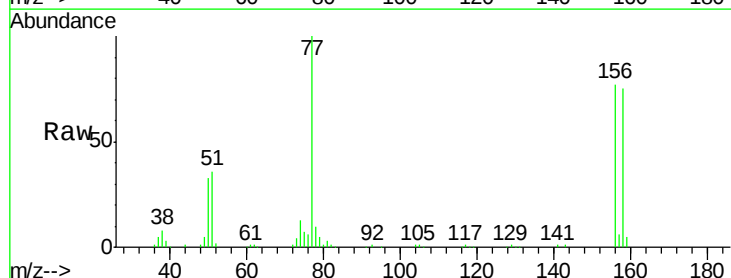
Tgt Ion: 156 Resp: 155313

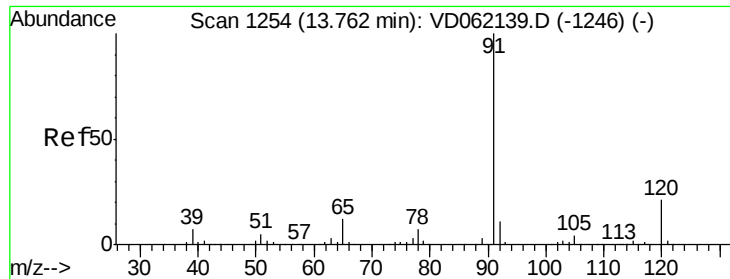
Ion Ratio Lower Upper

156 100

77 129.9 53.1 159.4

158 97.8 49.4 148.0





#78

n-propylbenzene

Concen: 59.258 ug/l

RT: 13.79 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

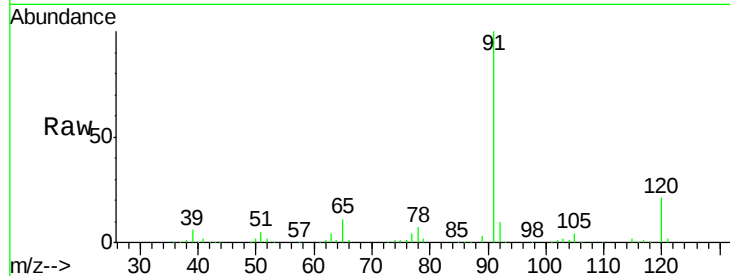
P021-SS001-0002-01MS

Tot Ion: 91 Resp: 473615

Ion Ratio Lower Upper

91 100

120 20.8 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

13.79

400000

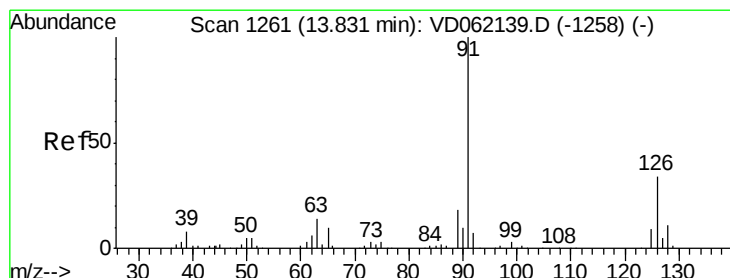
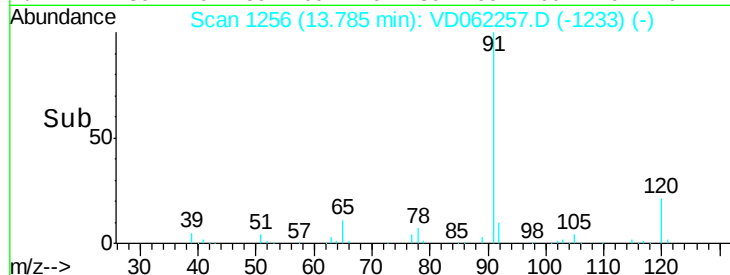
300000

200000

100000

0

Time-->



#79

2-Chlorotoluene

Concen: 65.041 ug/l

RT: 13.85 min Scan# 1263

Delta R.T. 0.02 min

Lab File: VD062257.D

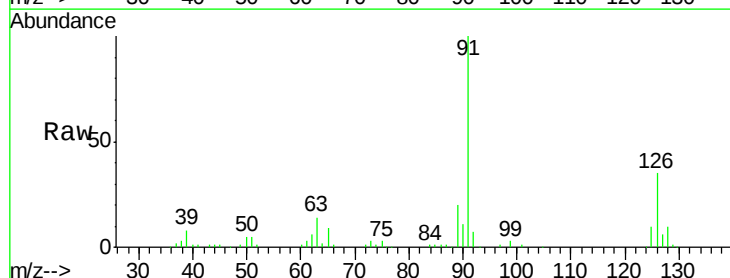
Acq: 12 May 2019 14:24

Tgt Ion: 91 Resp: 297719

Ion Ratio Lower Upper

91 100

126 35.2 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

13.85

400000

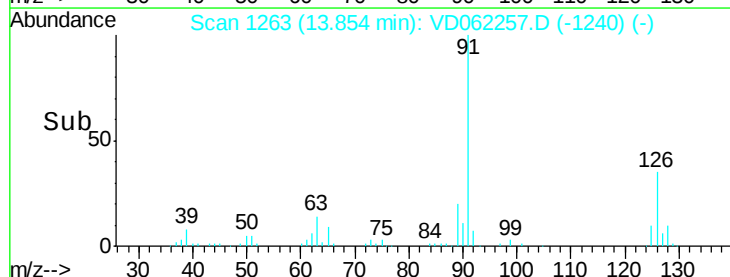
300000

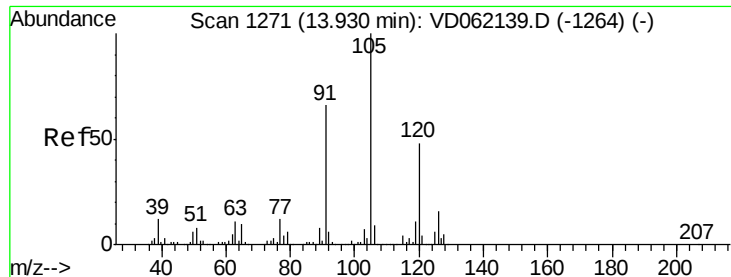
200000

100000

0

Time-->

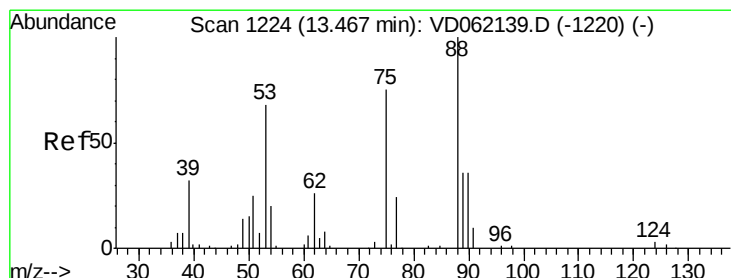
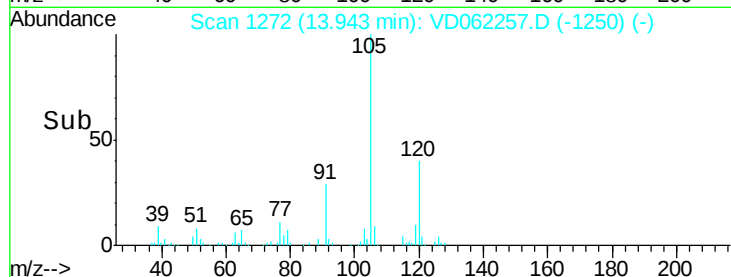
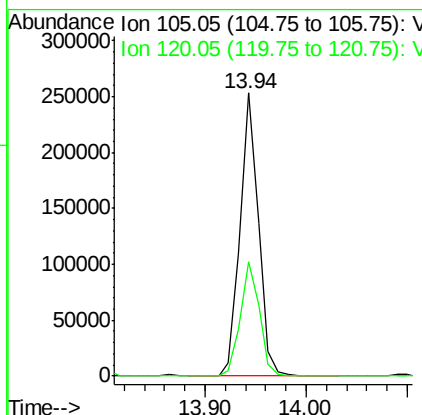
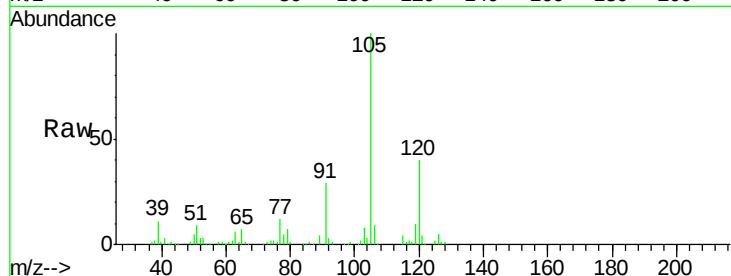




#80
 1,3,5-Trimethylbenzene
 Concen: 56.579 ug/l
 RT: 13.94 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VD062257.D
 Acq: 12 May 2019 14:24

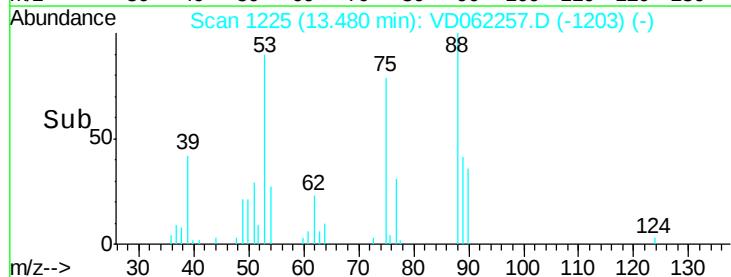
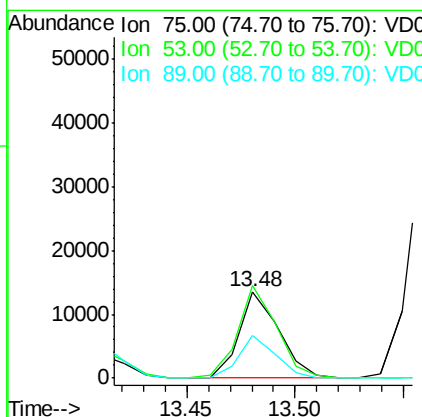
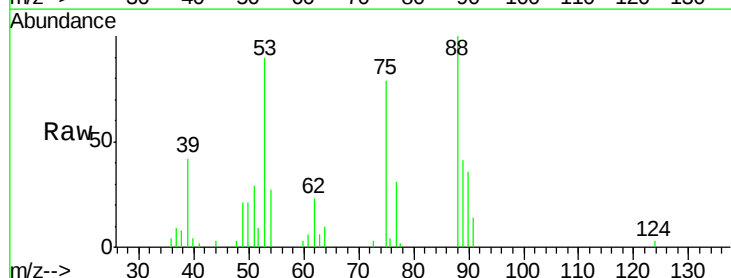
Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS001-0002-01MS

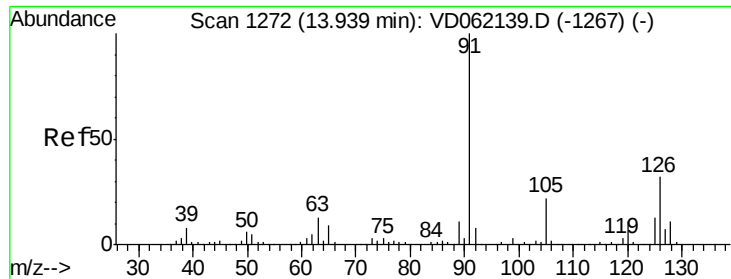
Tot Ion:105 Resp: 319219
 Ion Ratio Lower Upper
 105 100
 120 40.3 24.0 72.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.949 ug/l
 RT: 13.48 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VD062257.D
 Acq: 12 May 2019 14:24

Tgt Ion: 75 Resp: 17231
 Ion Ratio Lower Upper
 75 100
 53 107.3 65.8 98.8#
 89 49.0 35.0 52.6

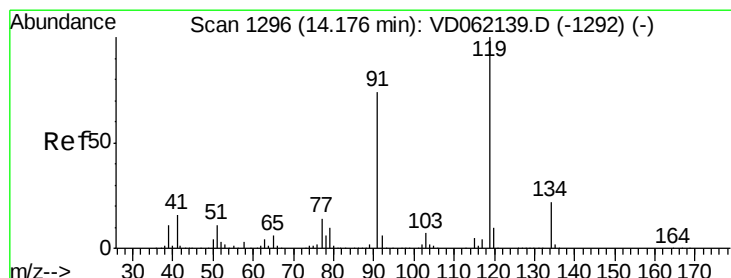
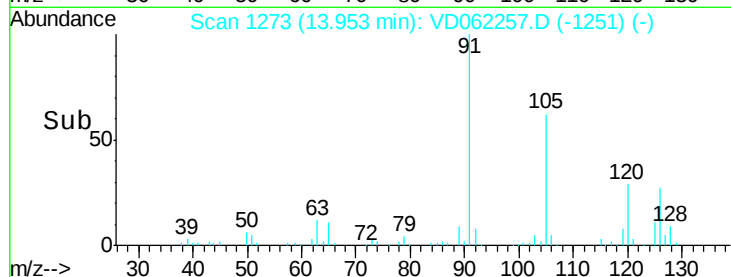
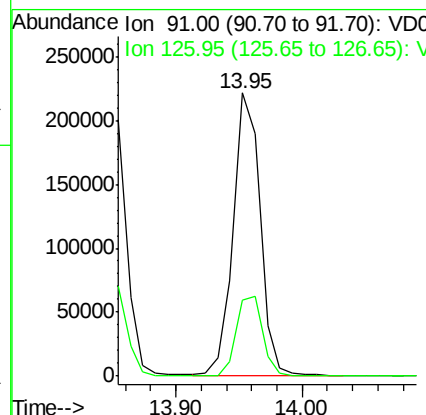
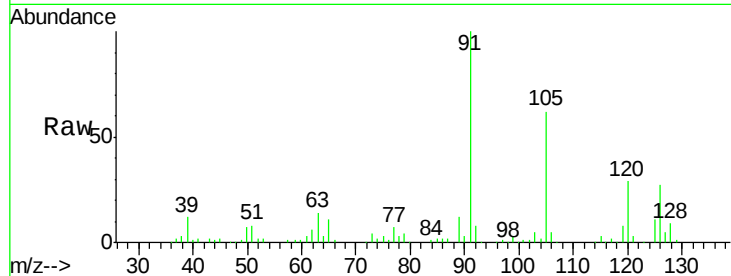




#82
4-Chlorotoluene
Concen: 60.287 ug/l
RT: 13.95 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VD062257.D
Acq: 12 May 2019 14:24

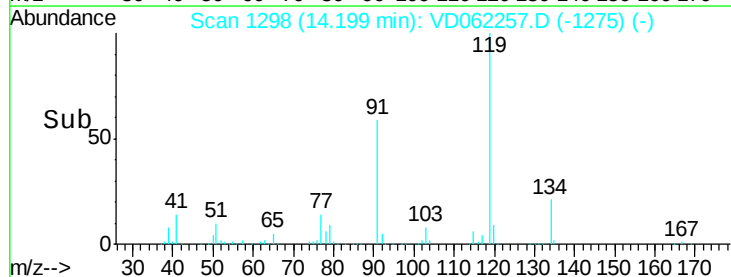
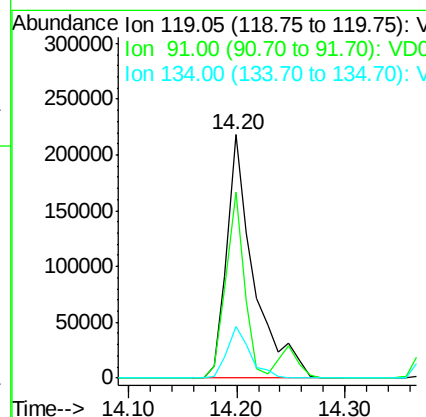
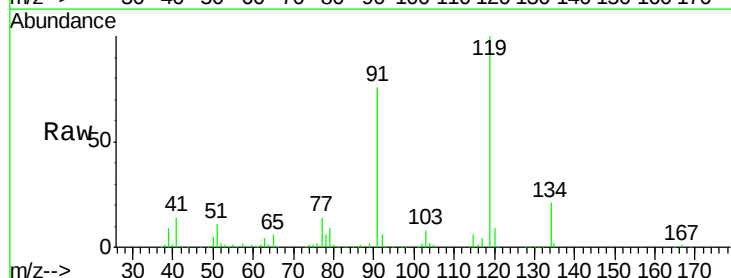
Instrument :
MSVOA_D
ClientSampleId :
P021-SS001-0002-01MS

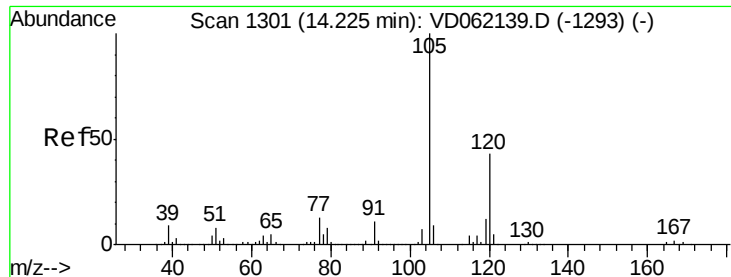
Tot Ion: 91 Resp: 324734
Ion Ratio Lower Upper
91 100
126 27.0 19.1 57.5



#83
tert-Butylbenzene
Concen: 59.628 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.02 min
Lab File: VD062257.D
Acq: 12 May 2019 14:24

Tgt Ion: 119 Resp: 378136
Ion Ratio Lower Upper
119 100
91 76.5 34.2 102.6
134 21.4 12.0 36.0

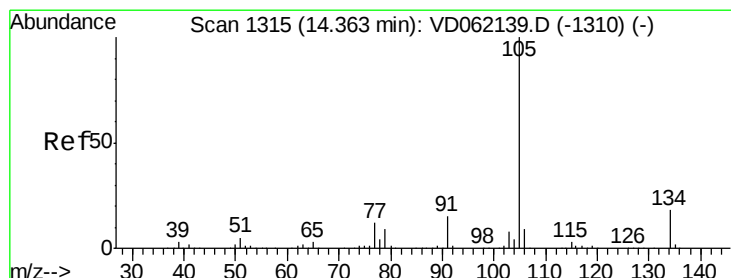
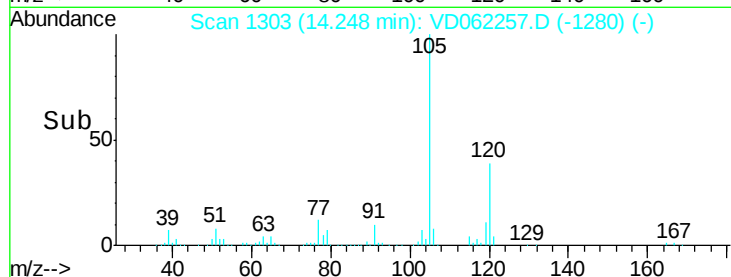
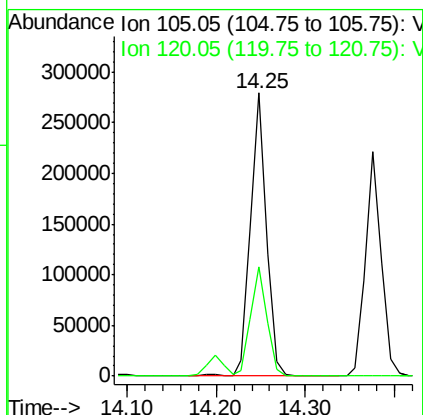
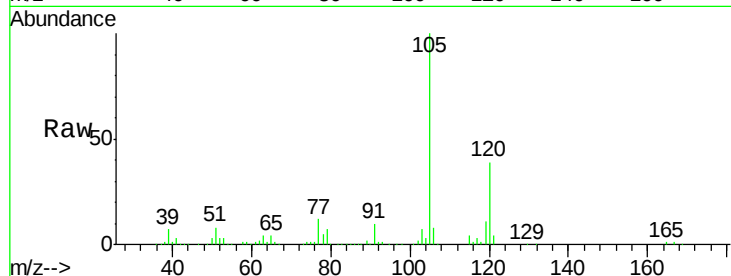




#84
1,2,4-Trimethylbenzene
Concen: 60.782 ug/l
RT: 14.25 min Scan# 1303
Delta R.T. 0.02 min
Lab File: VD062257.D
Acq: 12 May 2019 14:24

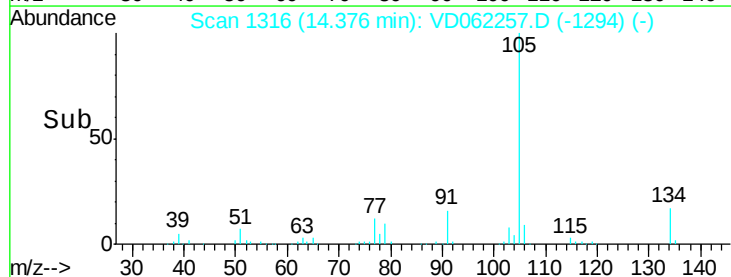
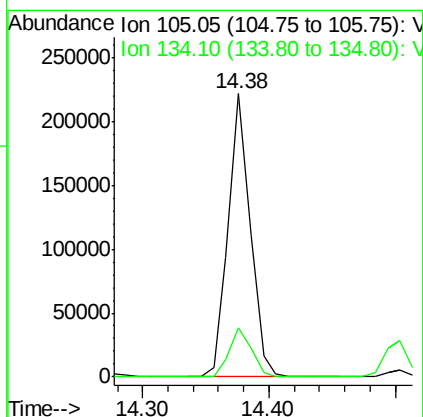
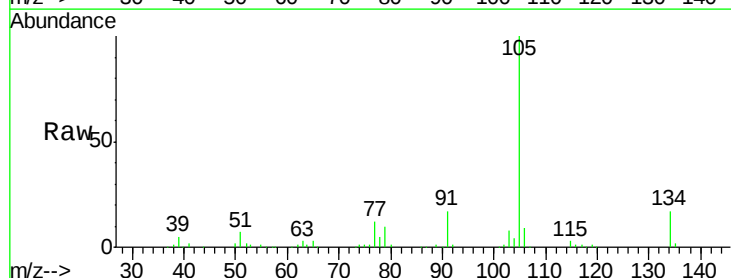
Instrument :
MSVOA_D
ClientSampleId :
P021-SS001-0002-01MS

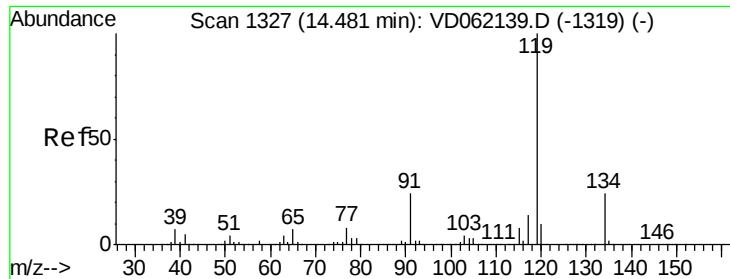
Tot Ion:105 Resp: 344134
Ion Ratio Lower Upper
105 100
120 38.8 23.1 69.2



#85
sec-Butylbenzene
Concen: 38.634 ug/l
RT: 14.38 min Scan# 1316
Delta R.T. 0.01 min
Lab File: VD062257.D
Acq: 12 May 2019 14:24

Tgt Ion:105 Resp: 268620
Ion Ratio Lower Upper
105 100
134 17.2 8.9 26.7

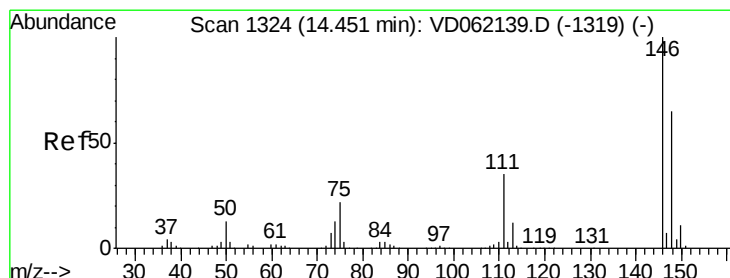
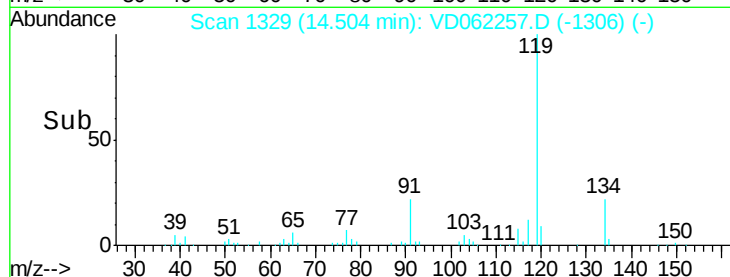
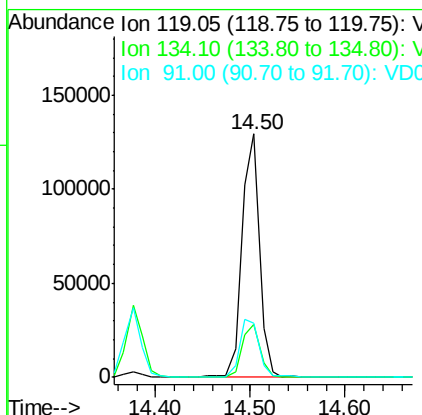
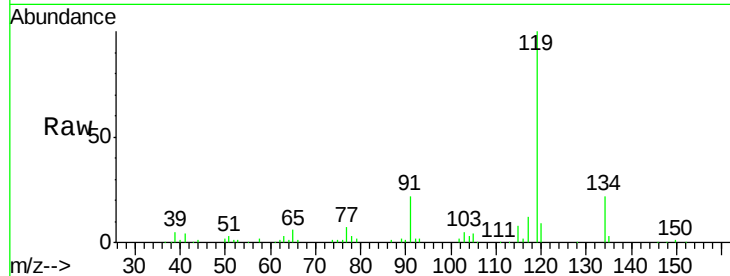




#86
 p-Isopropyltoluene
 Concen: 26.663 ug/l
 RT: 14.50 min Scan# 1329
 Delta R.T. 0.02 min
 Lab File: VD062257.D
 Acq: 12 May 2019 14:24

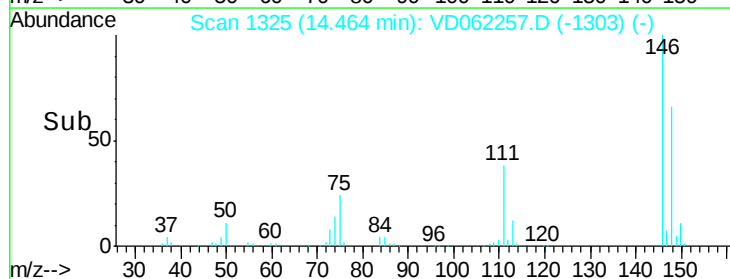
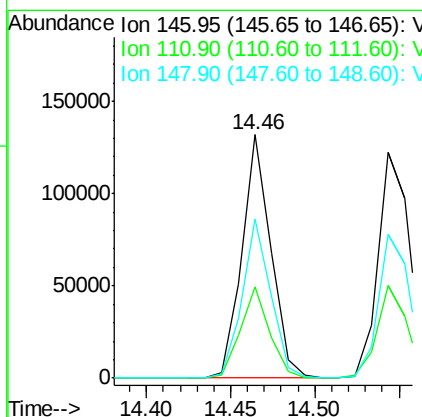
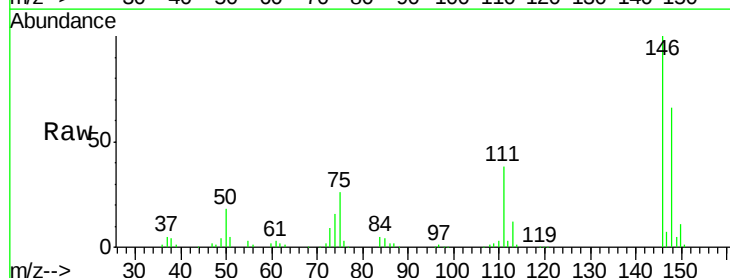
Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS001-0002-01MS

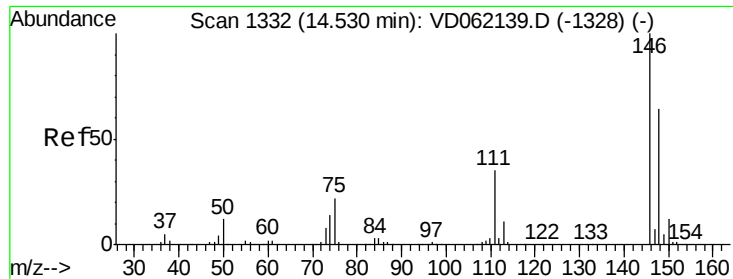
Tot Ion	Ratio	Lower	Upper
119	100		
134	21.8	12.8	38.3
91	22.3	10.7	32.1



#87
 1,3-Dichlorobenzene
 Concen: 45.735 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD062257.D
 Acq: 12 May 2019 14:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	20.0	60.0
148	65.6	31.8	95.4





#88

1,4-Dichlorobenzene

Concen: 47.480 ug/l

RT: 14.54 min Scan# 1333

Delta R.T. 0.01 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

P021-SS001-0002-01MS

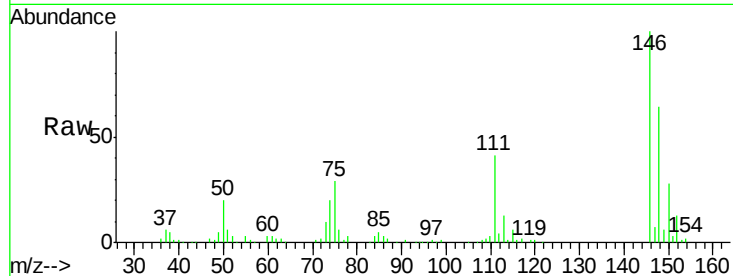
Tot Ion:146 Resp: 159845

Ion Ratio Lower Upper

146 100

111 40.8 20.2 60.5

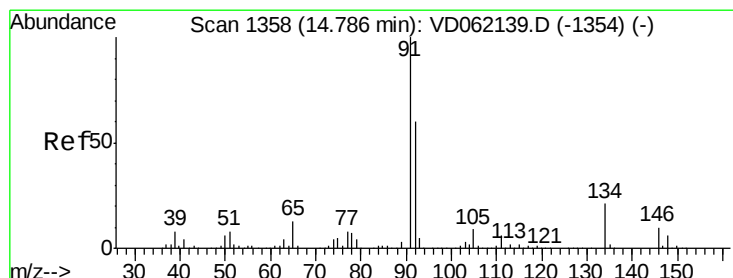
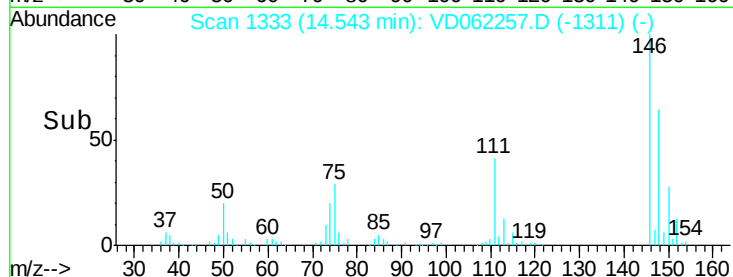
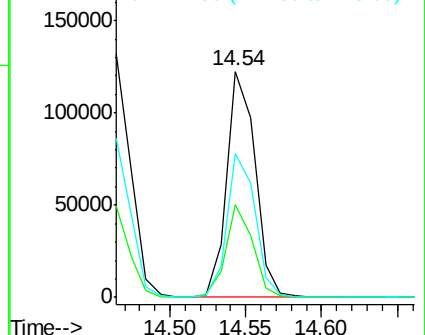
148 63.7 32.0 96.2



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: 25.388 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. 0.02 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

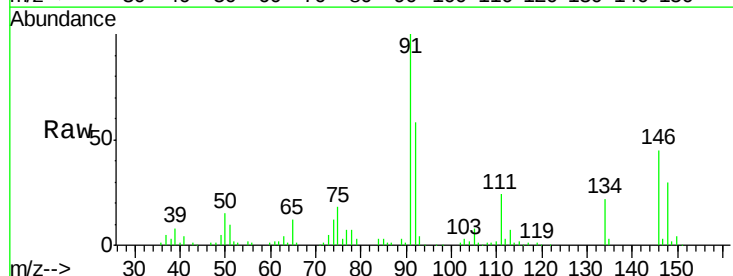
Tgt Ion: 91 Resp: 141558

Ion Ratio Lower Upper

91 100

92 58.4 30.3 91.0

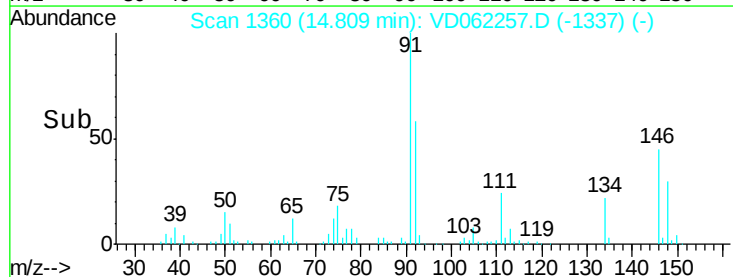
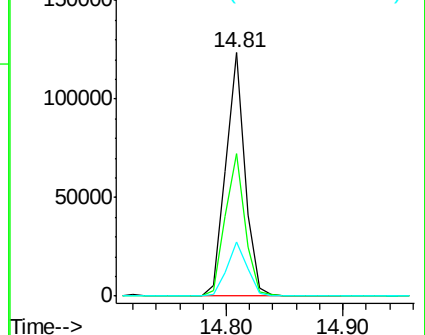
134 22.2 14.5 43.6

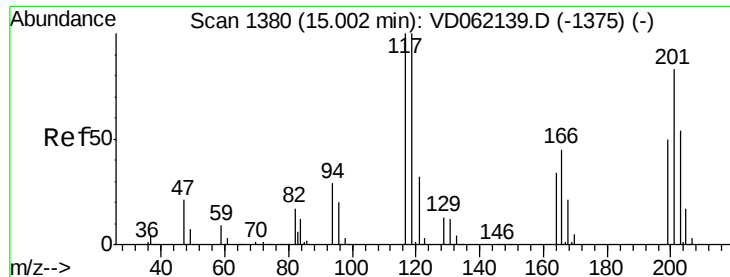


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V





#90

Hexachloroethane

Concen: 35.749 ug/l

RT: 15.02 min Scan# 1381

Delta R.T. 0.01 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

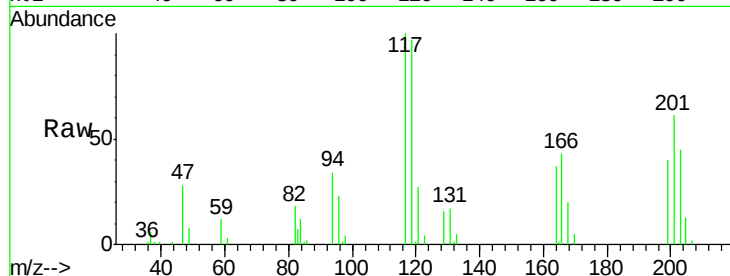
P021-SS001-0002-01MS

Tot Ion:117 Resp: 60392

Ion Ratio Lower Upper

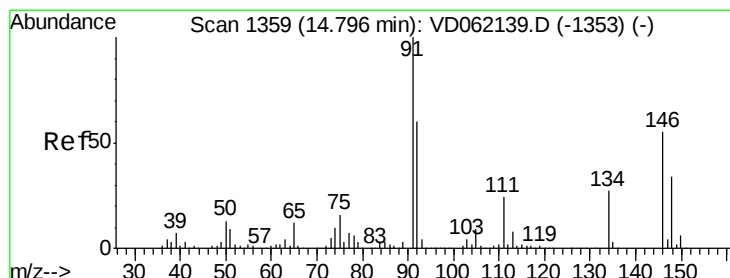
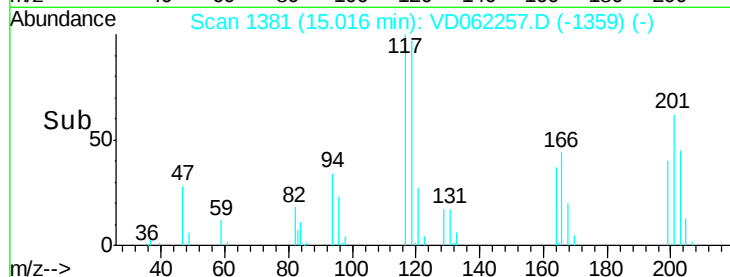
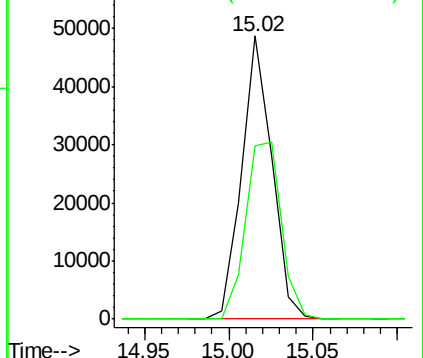
117 100

201 61.4 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V



#91

1,2-Dichlorobenzene

Concen: 51.783 ug/l

RT: 14.82 min Scan# 1361

Delta R.T. 0.02 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

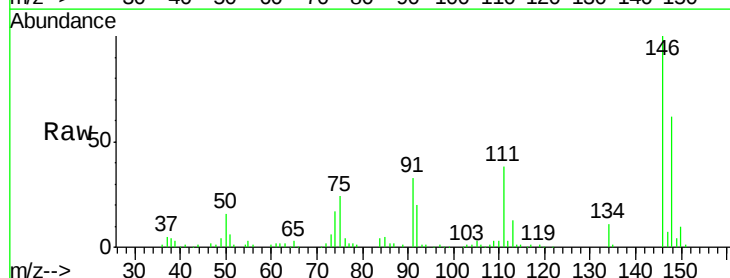
Tgt Ion:146 Resp: 146119

Ion Ratio Lower Upper

146 100

111 38.0 20.0 59.9

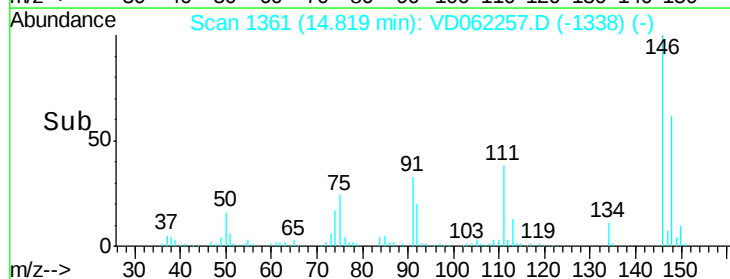
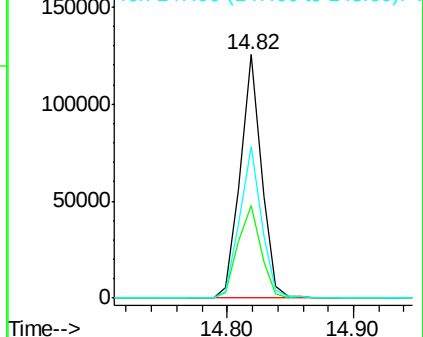
148 62.1 32.3 96.8

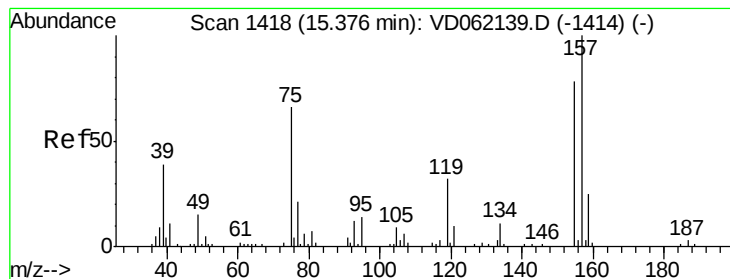


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 86.912 ug/l

RT: 15.39 min Scan# 1419

Delta R.T. 0.01 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

P021-SS001-0002-01MS

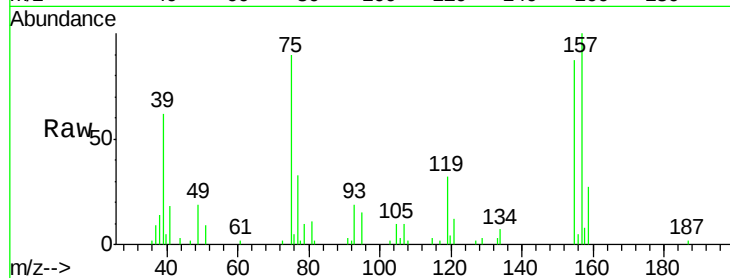
Tot Ion: 75 Resp: 18096

Ion Ratio Lower Upper

75 100

155 96.5 55.3 165.8

157 111.3 67.8 203.2



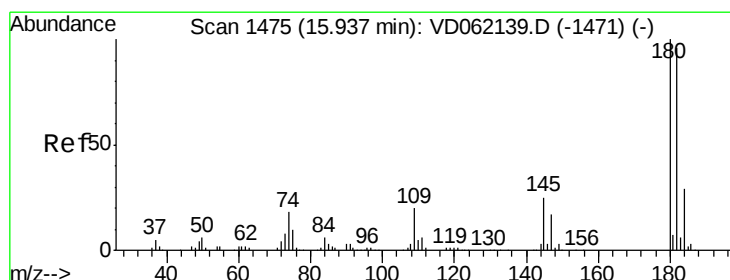
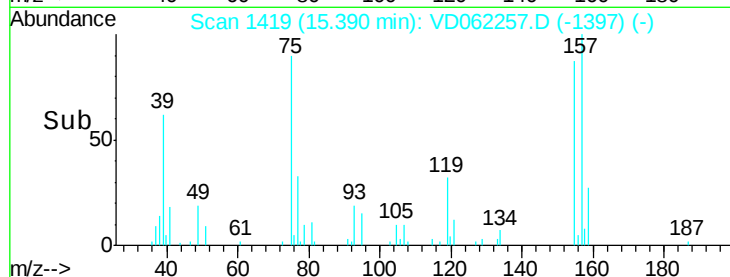
Abundance Ion 75.00 (74.70 to 75.70): VD062139.D (-1414) (-)

Ion 154.90 (154.60 to 155.60): VD062139.D (-1414) (-)

Ion 156.85 (156.55 to 157.55): VD062139.D (-1414) (-)



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 17.956 ug/l

RT: 15.95 min Scan# 1476

Delta R.T. 0.01 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

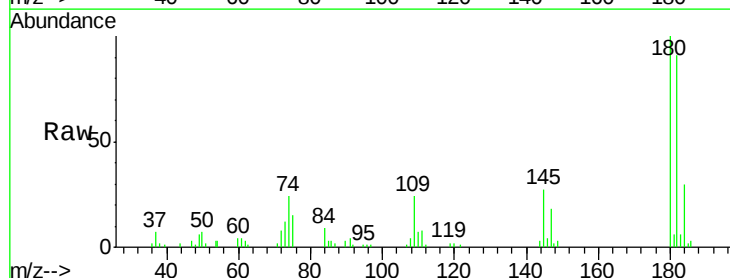
Tgt Ion: 180 Resp: 36879

Ion Ratio Lower Upper

180 100

182 91.0 49.3 147.8

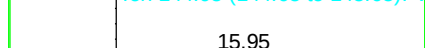
145 27.2 16.2 48.6



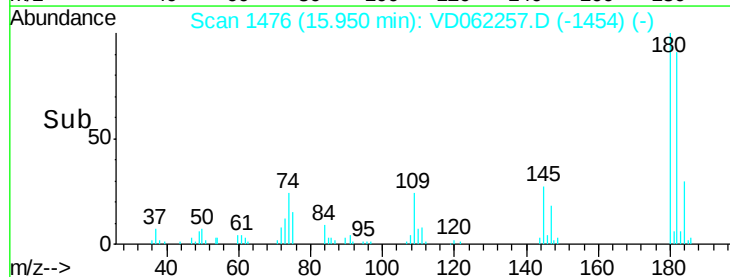
Abundance Ion 179.85 (179.55 to 180.55): VD062139.D (-1471) (-)

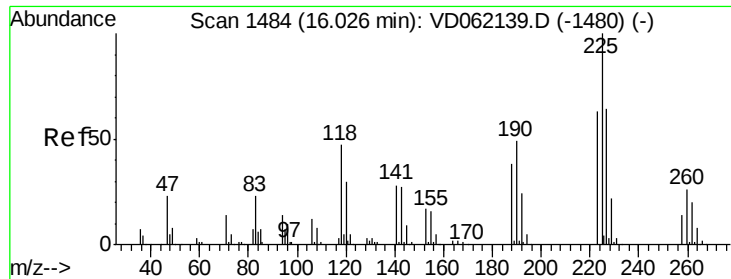
Ion 181.85 (181.55 to 182.55): VD062139.D (-1471) (-)

Ion 144.95 (144.65 to 145.65): VD062139.D (-1471) (-)



Time-->





#94

Hexachlorobutadiene

Concen: 12.691 ug/l

RT: 16.05 min Scan# 1486

Delta R.T. 0.02 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

P021-SS001-0002-01MS

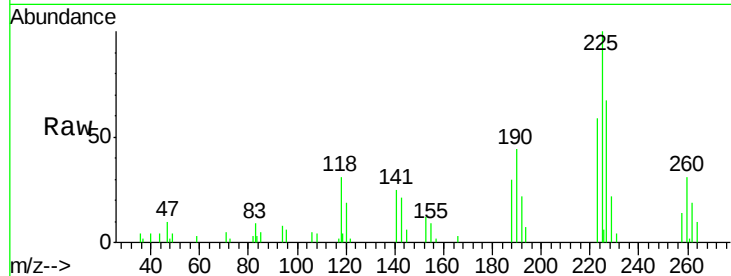
Tot Ion:225 Resp: 19386

Ion Ratio Lower Upper

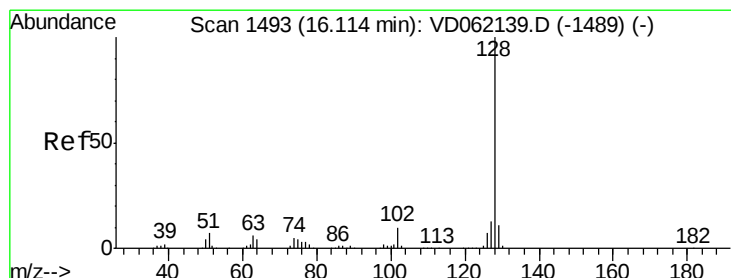
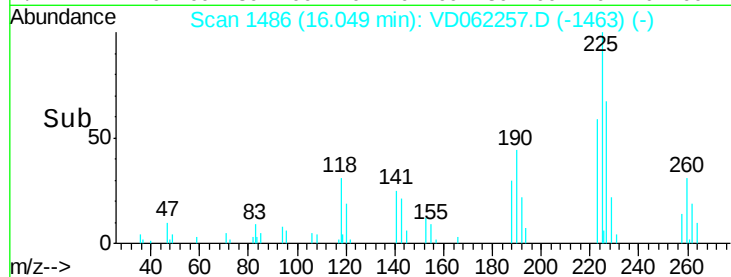
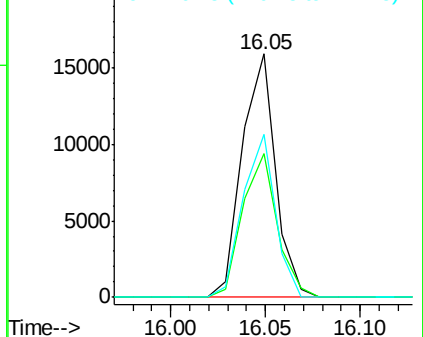
225 100

223 59.1 30.6 92.0

227 67.0 32.0 96.2



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



#95

Naphthalene

Concen: 31.757 ug/l

RT: 16.14 min Scan# 1495

Delta R.T. 0.02 min

Lab File: VD062257.D

Acq: 12 May 2019 14:24

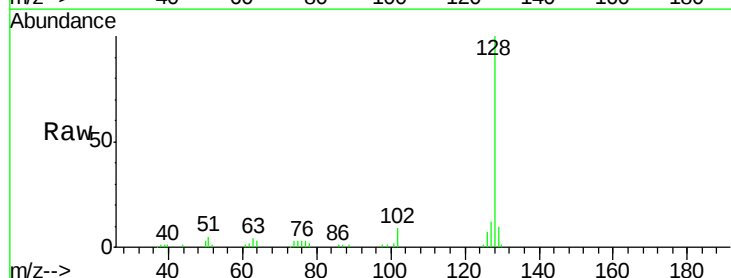
Tgt Ion:128 Resp: 91061

Ion Ratio Lower Upper

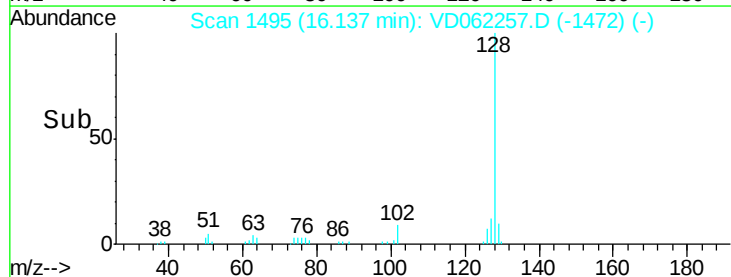
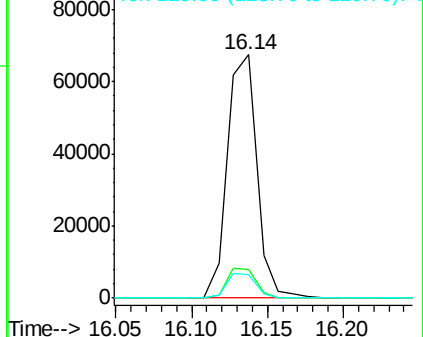
128 100

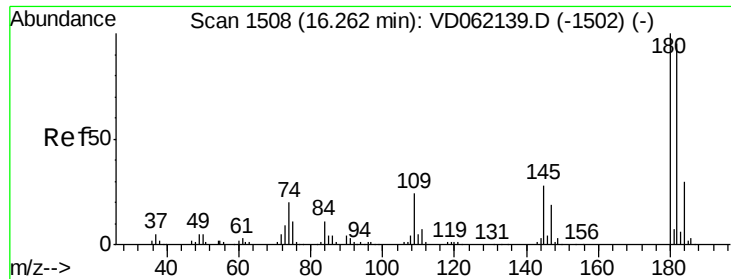
127 11.8 9.8 14.8

129 10.6 8.8 13.2



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

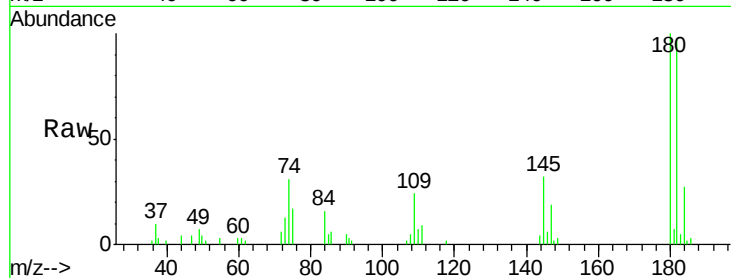




#96
 1,2,3-Trichlorobenzene
 Concen: 20.168 ug/l
 RT: 16.28 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: VD062257.D
 Acq: 12 May 2019 14:24

Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS001-0002-01MS

Tot Ion:180 Resp: 26044
 Ion Ratio Lower Upper
 180 100
 182 96.8 47.0 141.0
 145 32.1 17.0 51.0



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

