

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101920\
 Data File : VD067309.D
 Acq On : 19 Oct 2020 15:29
 Operator : VA/SY
 Sample : L4434-02
 Misc : 5.06G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 16757-S

Quant Time: Oct 20 01:14:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	308122	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	518729	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	400502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	126784	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	162262	52.56	ug/l	0.00
Spiked Amount			Recovery	=	105.12%	
35) Dibromofluoromethane	7.92	113	168294	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	
50) Toluene-d8	10.34	98	554793	44.41	ug/l	0.00
Spiked Amount			Recovery	=	88.82%	
62) 4-Bromofluorobenzene	12.64	95	150188	34.57	ug/l	0.00
Spiked Amount			Recovery	=	69.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	1101	Below Cal		78
5) Bromomethane	2.78	94	372	Below Cal	#	76
11) Tert butyl alcohol	5.22	59	7046	Below Cal	#	81
13) Acrolein	3.89	56	222	22.763	ug/l #	1
15) Acrylonitrile	5.47	53	952	2.327	ug/l #	29
16) Acetone	4.16	43	109003	252.133	ug/l	100
17) Carbon Disulfide	4.41	76	34940	4.820	ug/l	98
20) Methylene Chloride	4.97	84	8368	Below Cal	#	77
25) 2-Butanone	7.21	43	28557	57.948	ug/l	94
31) Cyclohexane	7.99	56	76650	21.558	ug/l #	92
37) Ethyl Acetate	7.29	43	2607	2.015	ug/l #	61
38) Carbon Tetrachloride	7.98	117	32012	5.697	ug/l #	19
39) Methylcyclohexane	9.36	83	118184	25.713	ug/l	98
40) Benzene	8.36	78	509930	42.277	ug/l	97
43) Isopropyl Acetate	8.45	43	2956	1.152	ug/l #	45
48) Methyl methacrylate	9.56	41	11412	9.149	ug/l #	49
51) 4-Methyl-2-Pentanone	10.23	43	132745	103.690	ug/l	98
52) Toluene	10.41	92	991869	120.737	ug/l	98
55) 1,1,2-Trichloroethane	10.78	97	7166	3.017	ug/l #	24
56) Ethyl methacrylate	10.69	69	4051	1.645	ug/l #	26
59) 2-Hexanone	10.96	43	4278	4.890	ug/l #	22
67) Ethyl Benzene	11.75	91	658092	49.988	ug/l	98
68) m/p-Xylenes	11.86	106	1201235	236.945	ug/l	98
69) o-Xylene	12.18	106	732763	156.088	ug/l	97
70) Styrene	12.20	104	104665	12.951	ug/l #	1
73) Isopropylbenzene	12.48	105	57490	7.145	ug/l	98
74) N-amyl acetate	12.35	43	2701	2.223	ug/l #	31
76) 1,2,3-Trichloropropane	12.64	75	77650	88.366	ug/l #	100
78) n-propylbenzene	12.83	91	76569	8.213	ug/l	99
79) 2-Chlorotoluene	12.88	91	38460	7.114	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.97	105	146206	20.909	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.64	75	77650	200.387	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.27	105	326884	47.298	ug/l	100
85) sec-Butylbenzene	13.40	105	12461	1.538	ug/l #	58

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QLast Update : Mon Oct 19 19:13:29 2020
Response via : Initial Calibration

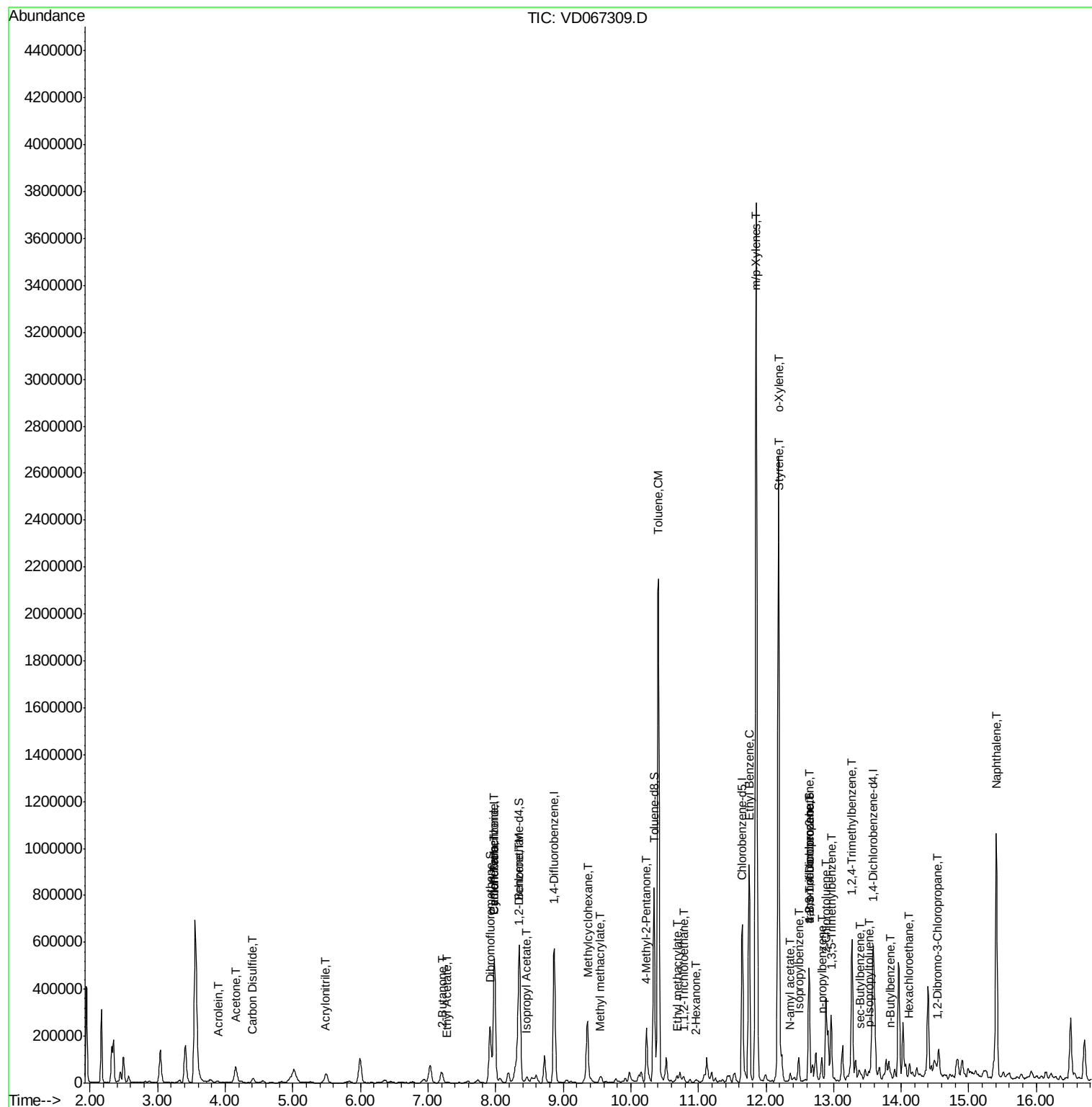
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) p-Isopropyltoluene	13.52	119	13944	1.823	ug/l	88
89) n-Butylbenzene	13.84	91	10031	1.491	ug/l #	64
90) Hexachloroethane	14.11	117	4329	3.243	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.53	75	605	2.701	ug/l #	29
95) Naphthalene	15.41	128	918907	246.095	ug/l	98

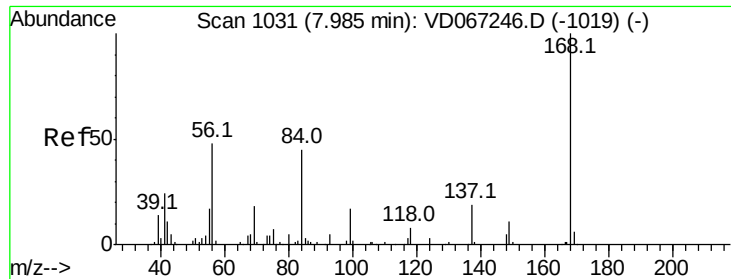
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101920\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067309.D

Acq: 19 Oct 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

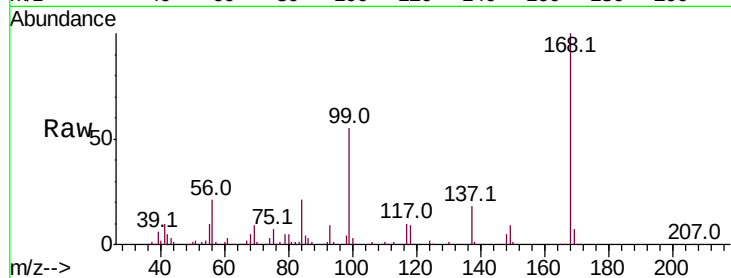
16757-S

Tot Ion:168 Resp: 308122

Ion Ratio Lower Upper

168 100

99 54.8 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

150000

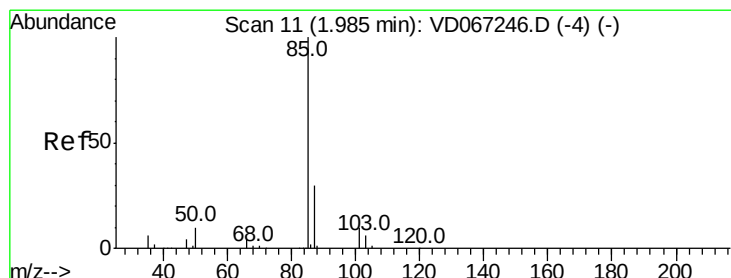
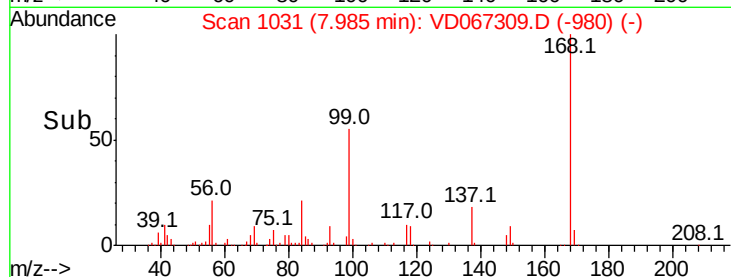
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067309.D

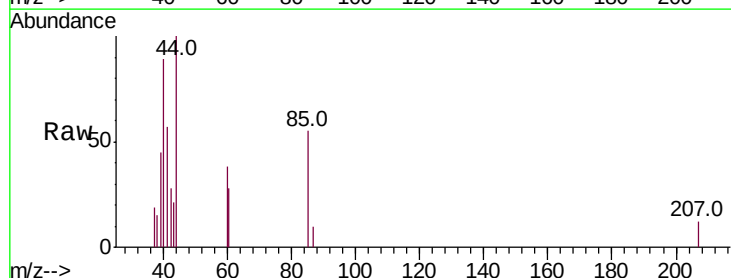
Acq: 19 Oct 2020 15:29

Tgt Ion: 85 Resp: 1101

Ion Ratio Lower Upper

85 100

87 18.2 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

1200

1000

800

600

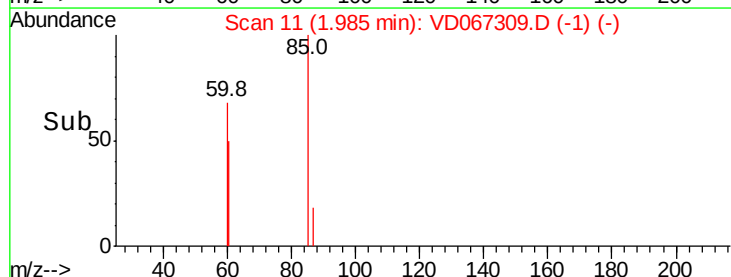
400

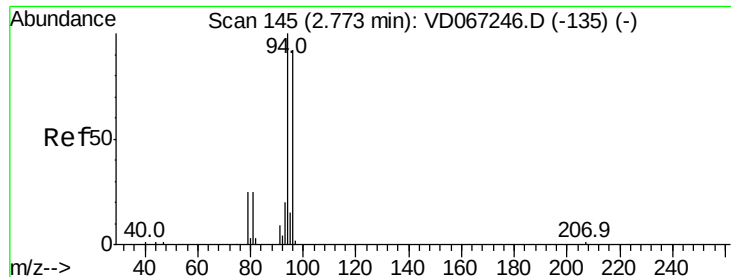
200

0

Time-->

1.96 1.98 2.00 2.02





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067309.D

Acq: 19 Oct 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

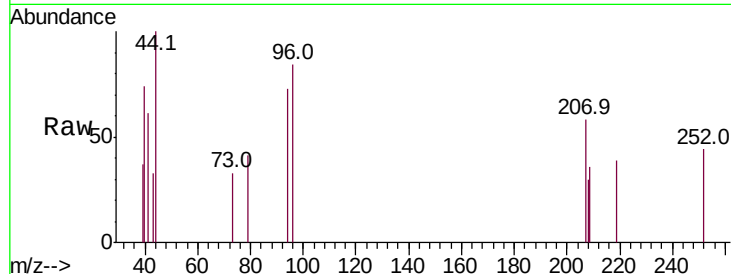
16757-S

Tot Ion: 94 Resp: 372

Ion Ratio Lower Upper

94 100

96 114.9 73.8 110.6#

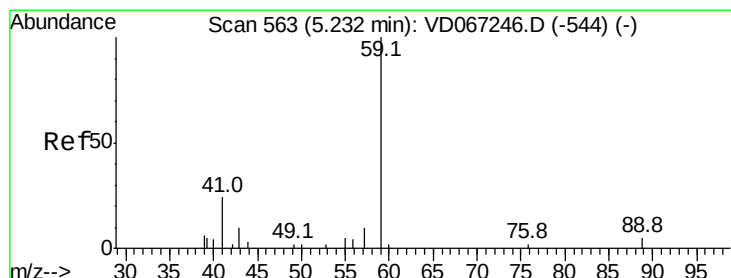
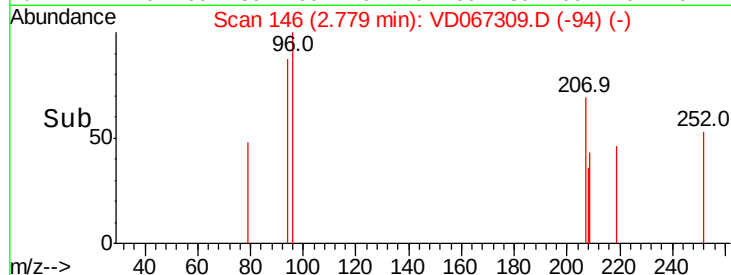


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.78

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.22 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD067309.D

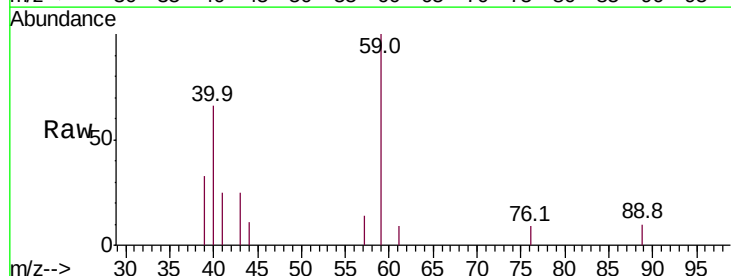
Acq: 19 Oct 2020 15:29

Tgt Ion: 59 Resp: 7046

Ion Ratio Lower Upper

59 100

57 0.0 5.1 7.7#

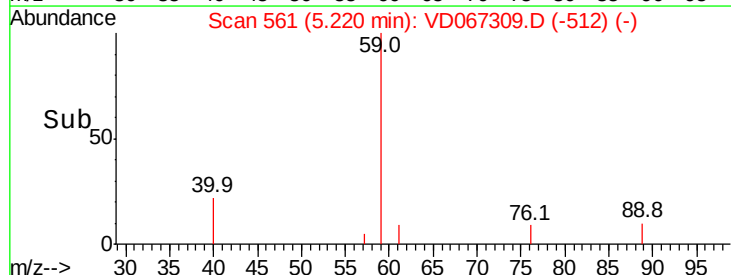


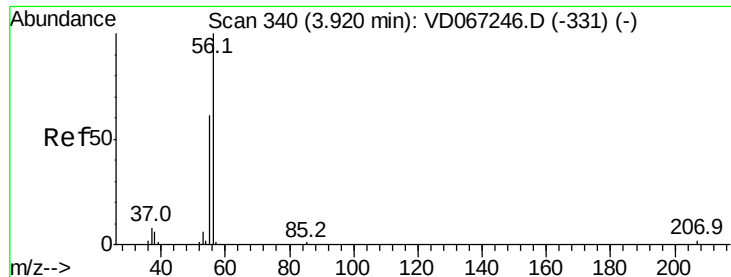
Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.22

Time-->





#13

Acrolein

Concen: 22.763 ug/l

RT: 3.89 min Scan# 335

Delta R.T. -0.03 min

Lab File: VD067309.D

Acq: 19 Oct 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

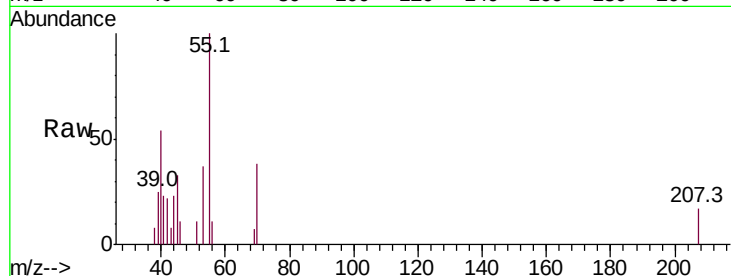
16757-S

Tot Ion: 56 Resp: 222

Ion Ratio Lower Upper

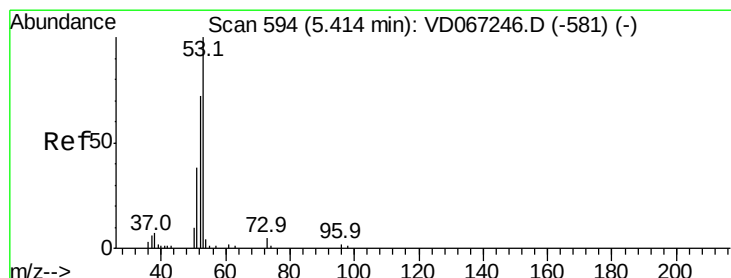
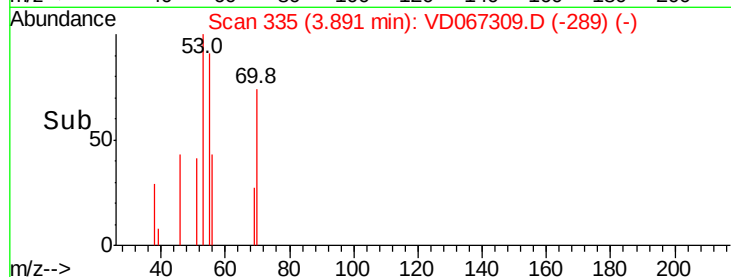
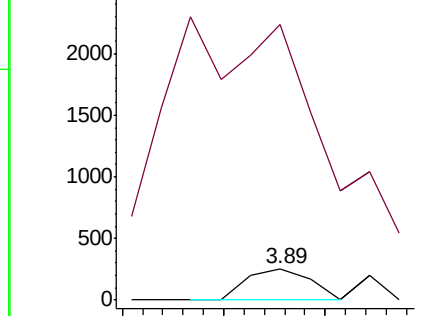
56 100

55 2691.0 56.0 84.0#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#15

Acrylonitrile

Concen: 2.327 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.06 min

Lab File: VD067309.D

Acq: 19 Oct 2020 15:29

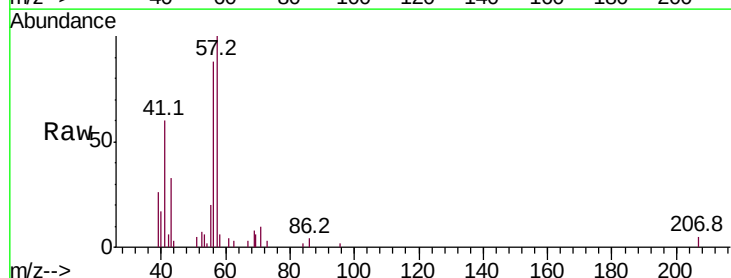
Tgt Ion: 53 Resp: 952

Ion Ratio Lower Upper

53 100

52 0.0 65.6 98.4#

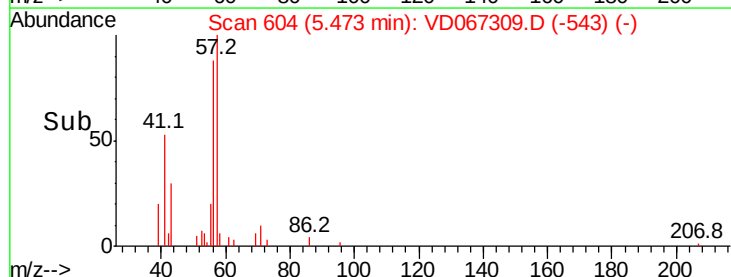
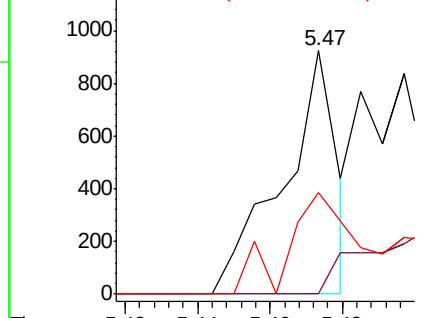
51 54.3 30.8 46.2#

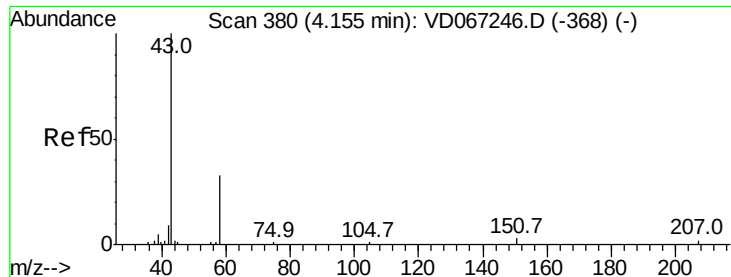


Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC





#16

Acetone

Concen: 252.133 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067309.D

Acq: 19 Oct 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

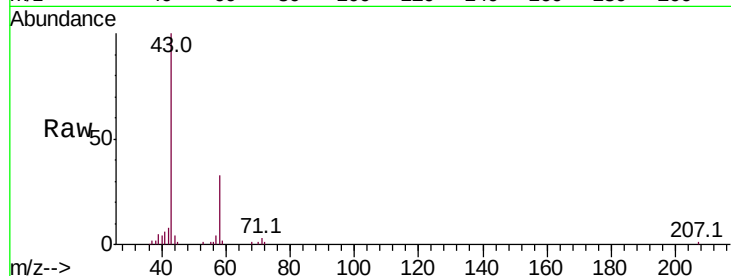
16757-S

Tot Ion: 43 Resp: 109003

Ion Ratio Lower Upper

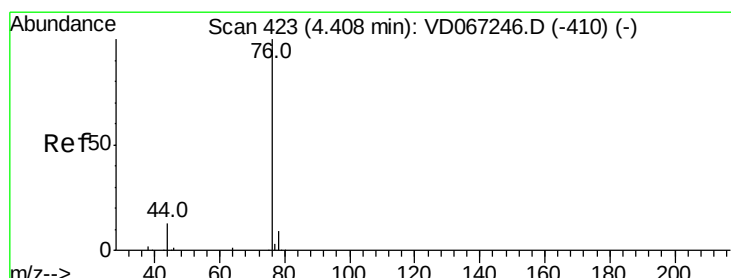
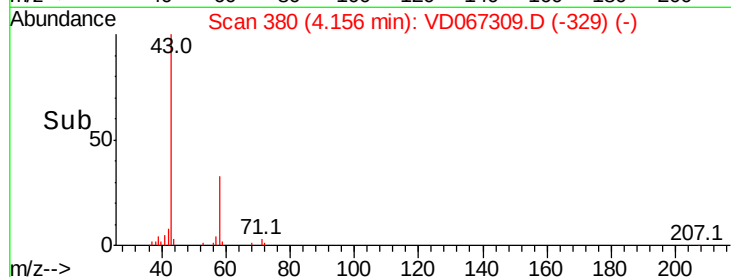
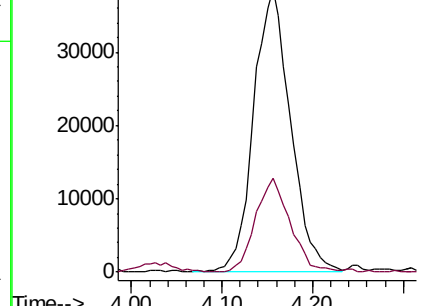
43 100

58 32.8 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#17

Carbon Disulfide

Concen: 4.820 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD067309.D

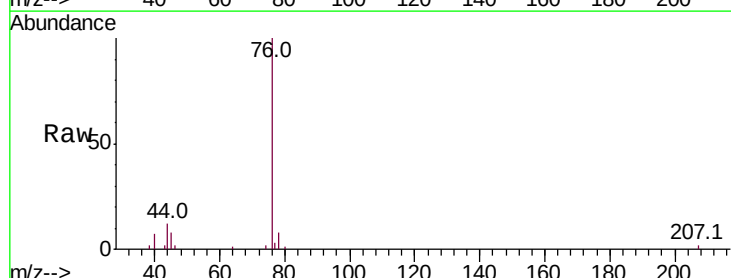
Acq: 19 Oct 2020 15:29

Tgt Ion: 76 Resp: 34940

Ion Ratio Lower Upper

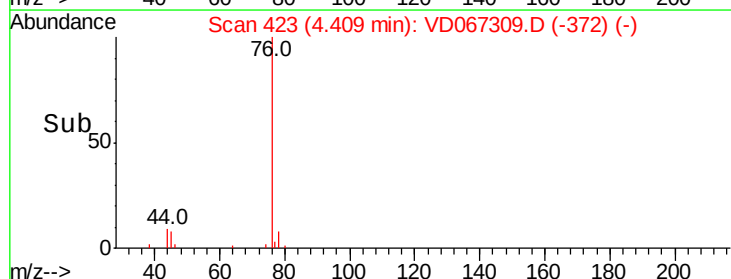
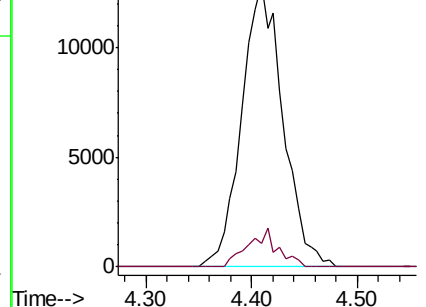
76 100

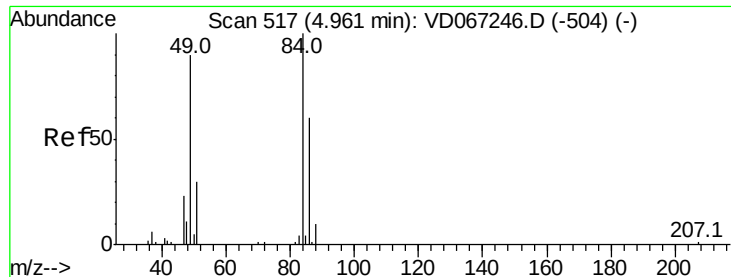
78 8.4 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

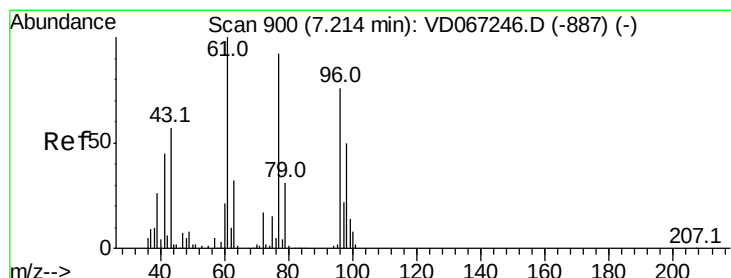
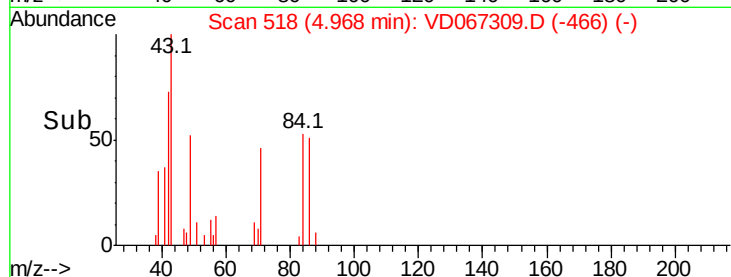
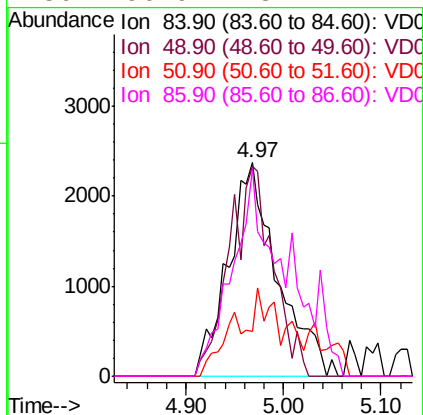
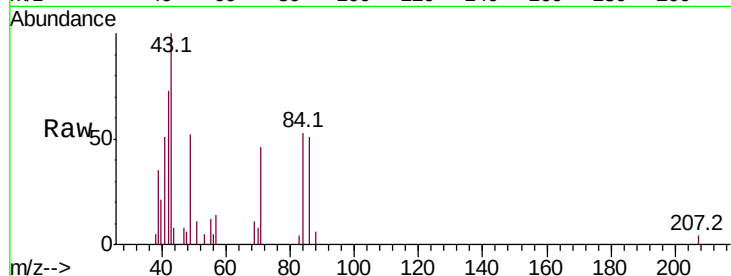




#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067309.D
Acq: 19 Oct 2020 15:29

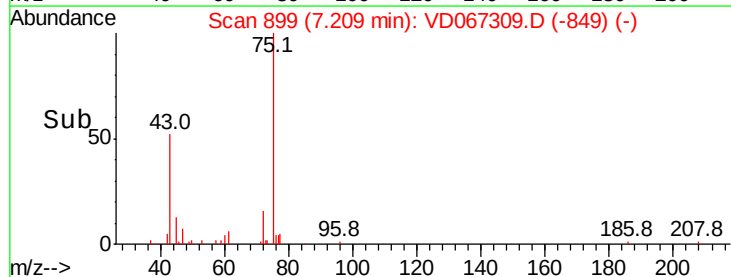
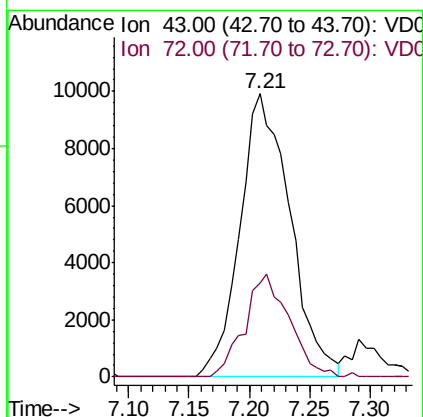
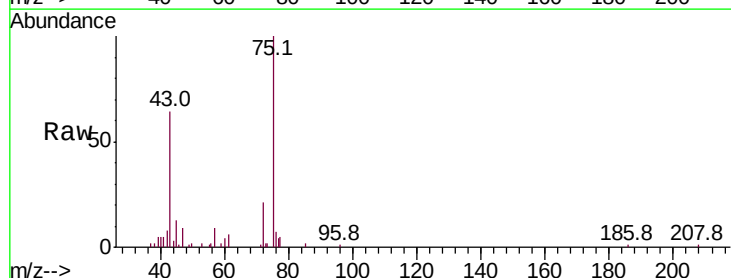
Instrument :
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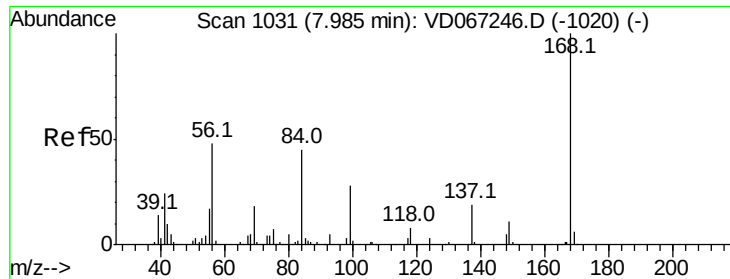
Tot Ion: 84 Resp: 8368
Ion Ratio Lower Upper
84 100
49 98.5 72.2 108.2
51 21.3 23.8 35.8#
86 96.9 48.2 72.4#



#25
2-Butanone
Concen: 57.948 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067309.D
Acq: 19 Oct 2020 15:29

Tgt Ion: 43 Resp: 28557
Ion Ratio Lower Upper
43 100
72 33.1 23.7 35.5

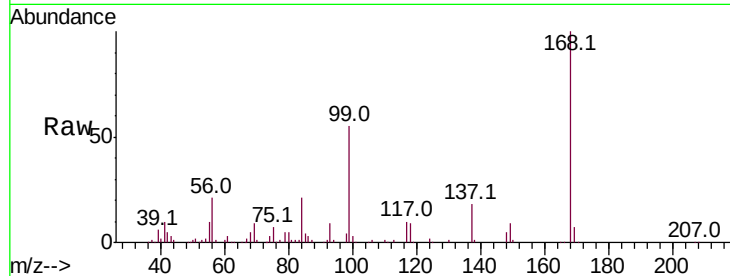




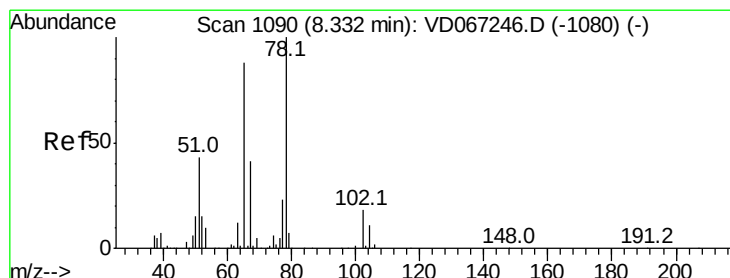
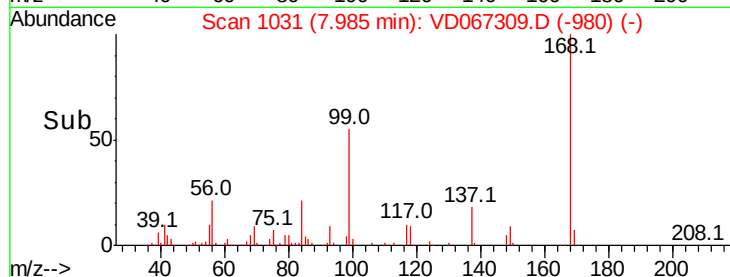
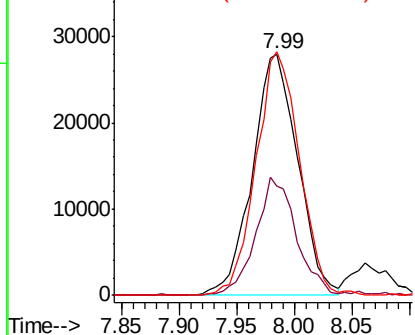
#31
Cyclohexane
Concen: 21.558 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067309.D
Acq: 19 Oct 2020 15:29

Instrument :
MSVOA_D
ClientSampled :
16757-S

Tot Ion: 56 Resp: 76650
Ion Ratio Lower Upper
56 100
69 45.2 29.8 44.6#
84 100.9 76.6 114.8

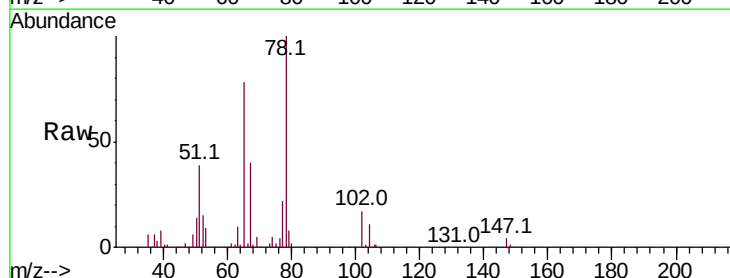


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

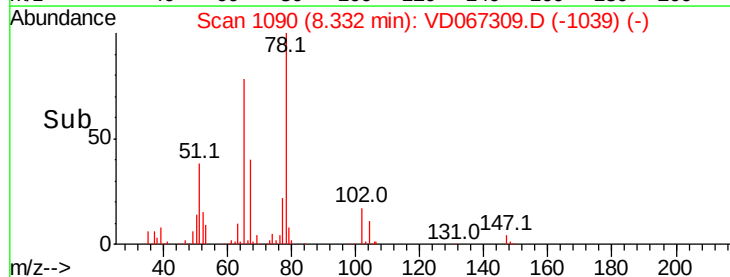
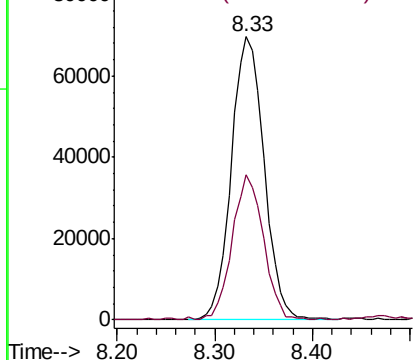


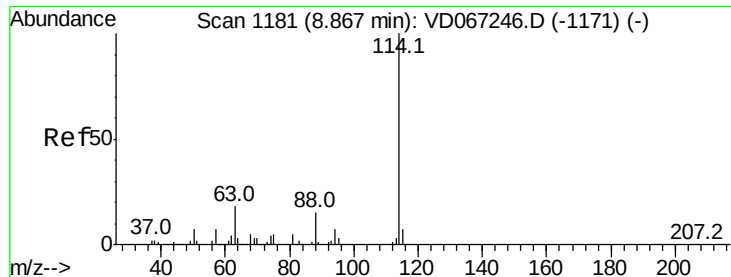
#33
1,2-Dichloroethane-d4
Concen: 52.564 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067309.D
Acq: 19 Oct 2020 15:29

Tgt Ion: 65 Resp: 162262
Ion Ratio Lower Upper
65 100
67 48.9 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

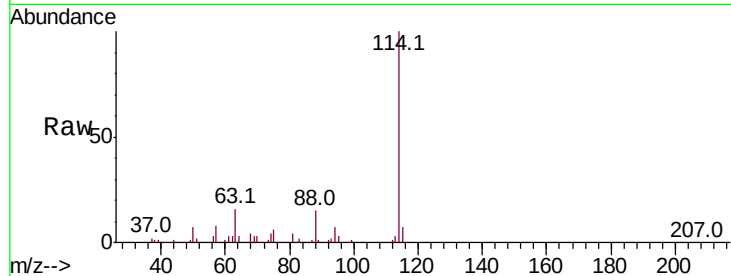




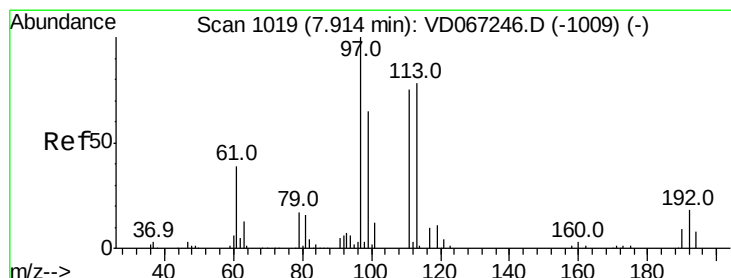
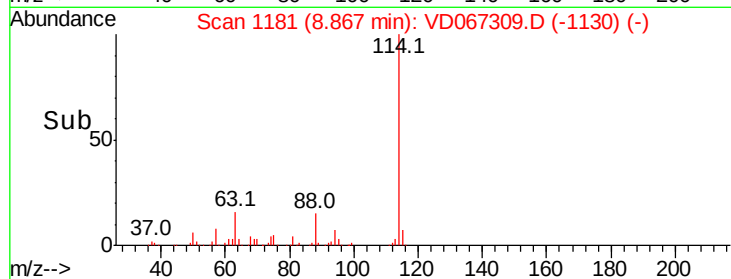
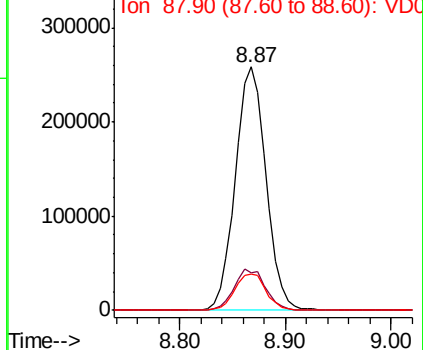
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD067309.D
Acq: 19 Oct 2020 15:29

Instrument :
MSVOA_D
ClientSampleId :
16757-S

Tot Ion:114 Resp: 518729
Ion Ratio Lower Upper
114 100
63 15.5 0.0 35.0
88 14.8 0.0 30.6

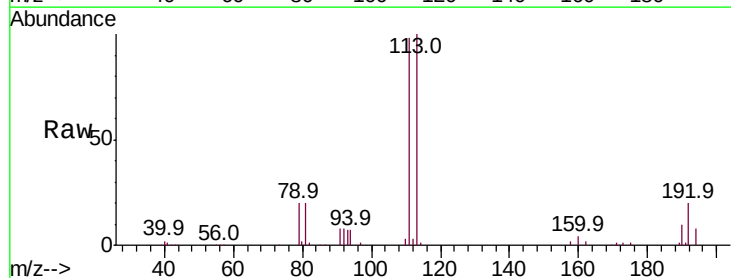


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

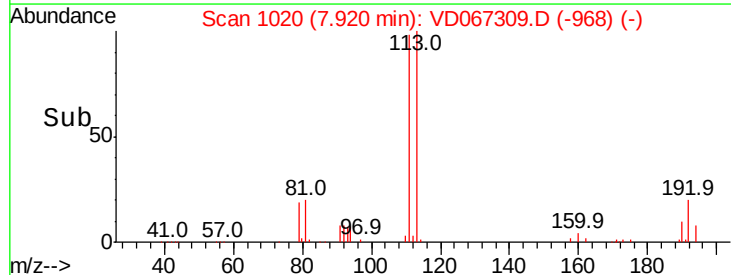
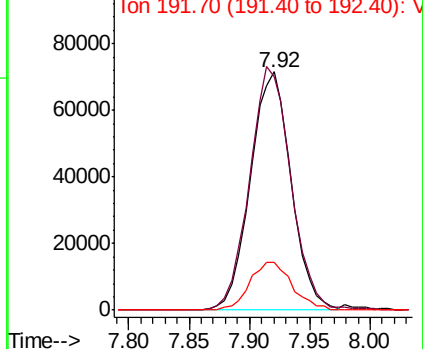


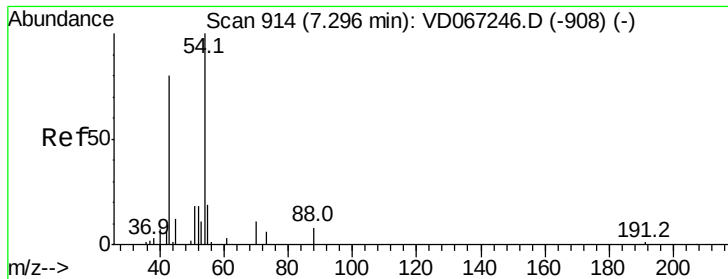
#35
Dibromofluoromethane
Concen: 48.751 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067309.D
Acq: 19 Oct 2020 15:29

Tgt Ion:113 Resp: 168294
Ion Ratio Lower Upper
113 100
111 103.9 81.6 122.4
192 21.1 17.0 25.4



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

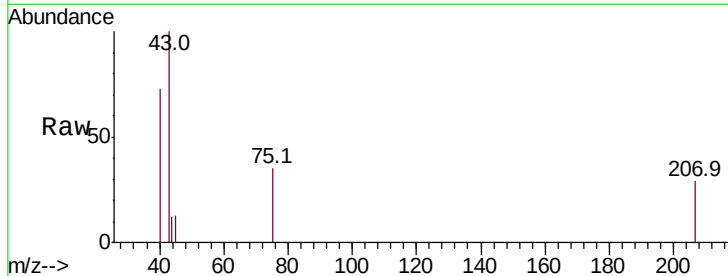




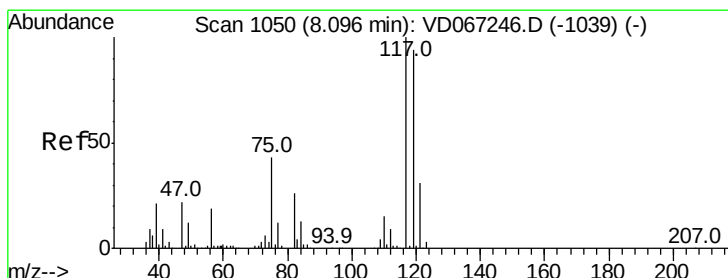
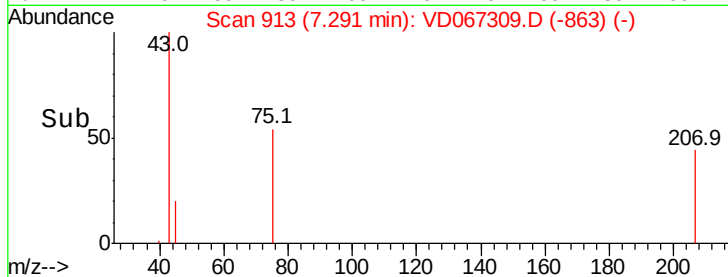
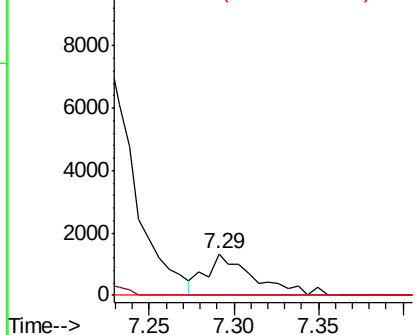
#37
Ethyl Acetate
Concen: 2.015 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067309.D
Acq: 19 Oct 2020 15:29

Instrument :
MSVOA_D
ClientSampleId :
16757-S

Tot Ion: 43 Resp: 2607
Ion Ratio Lower Upper
43 100
61 0.0 15.6 23.4#
70 0.0 10.4 15.6#

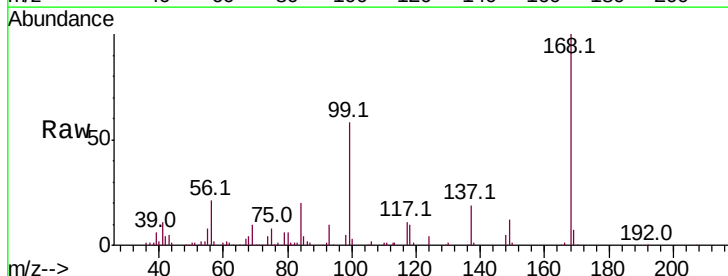


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

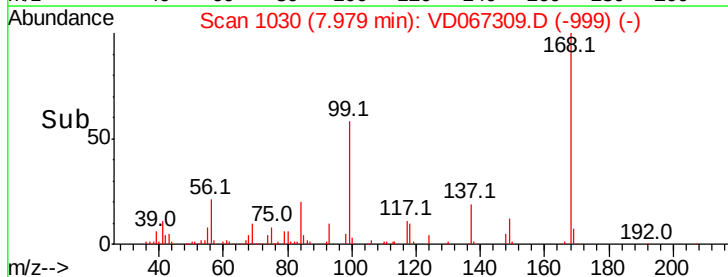
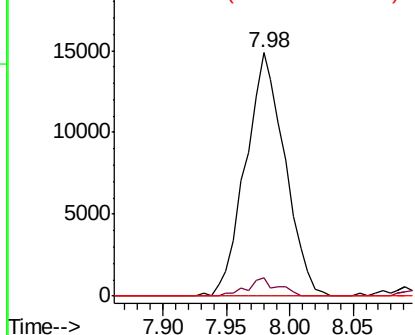


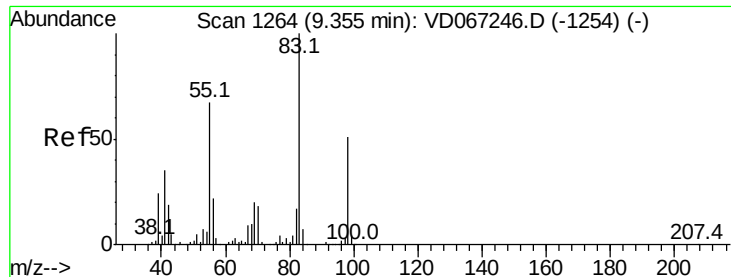
#38
Carbon Tetrachloride
Concen: 5.697 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD067309.D
Acq: 19 Oct 2020 15:29

Tgt Ion: 117 Resp: 32012
Ion Ratio Lower Upper
117 100
119 7.6 75.0 112.4#
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

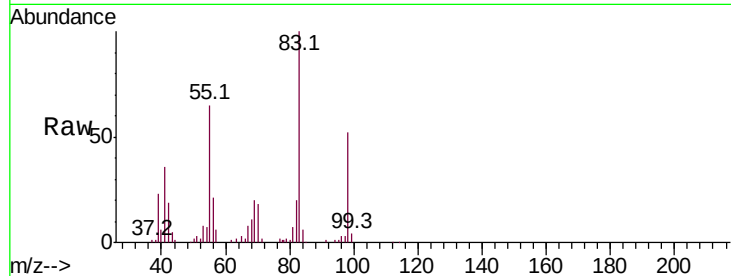




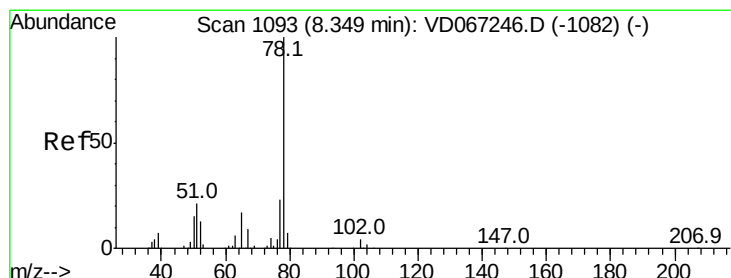
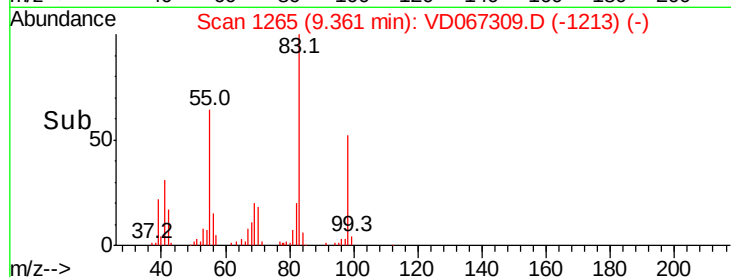
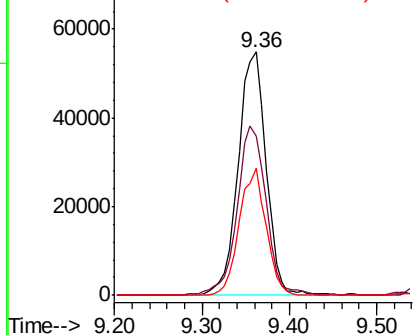
#39
Methylvlcyclohexane
Concen: 25.713 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD067309.D
Acq: 19 Oct 2020 15:29

Instrument :
MSVOA_D
ClientSampleId :
16757-S

Tot Ion: 83 Resp: 118184
Ion Ratio Lower Upper
83 100
55 64.9 53.3 79.9
98 52.3 41.0 61.4

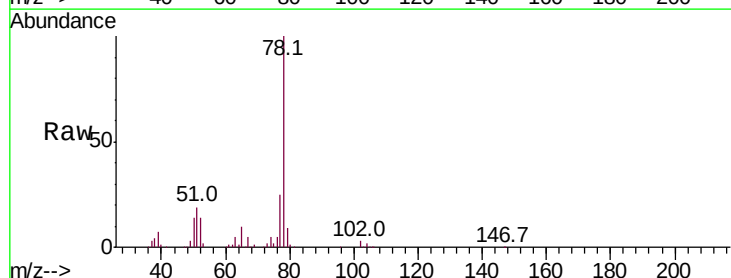


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

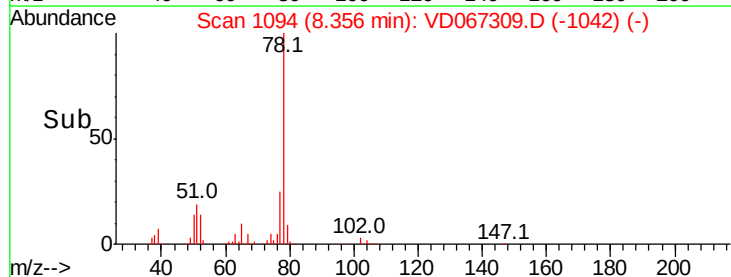
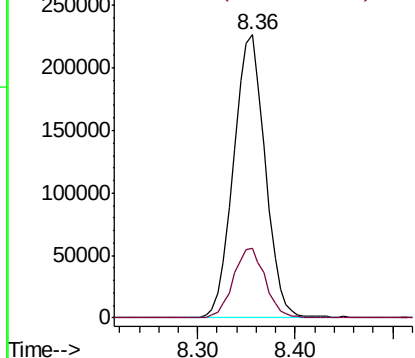


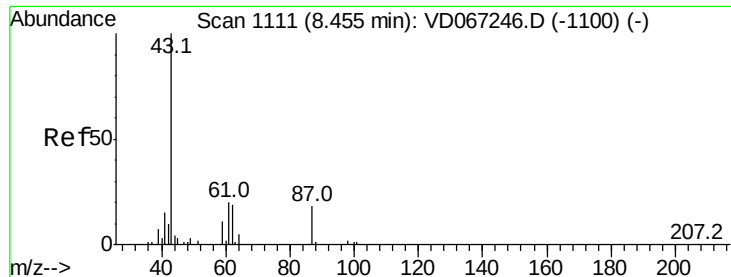
#40
Benzene
Concen: 42.277 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067309.D
Acq: 19 Oct 2020 15:29

Tgt Ion: 78 Resp: 509930
Ion Ratio Lower Upper
78 100
77 24.6 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#43

Isopropyl Acetate

Concen: 1.152 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD067309.D

Acq: 19 Oct 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

16757-S

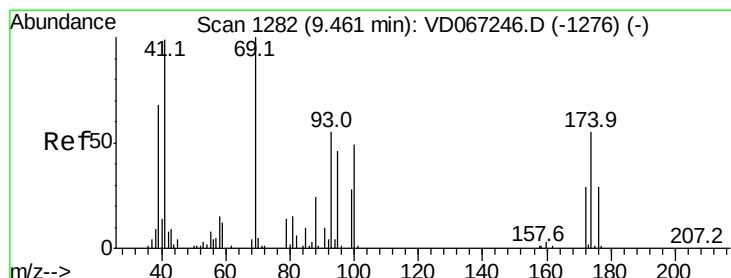
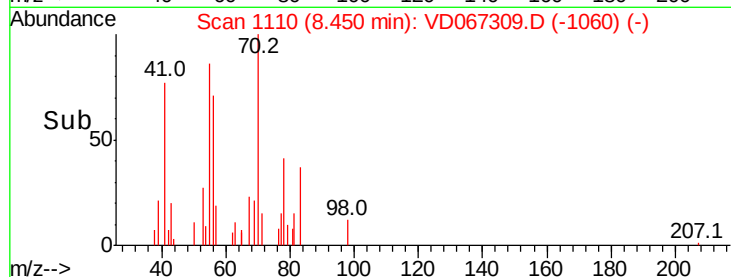
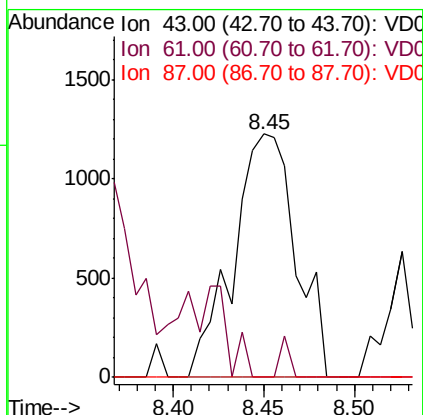
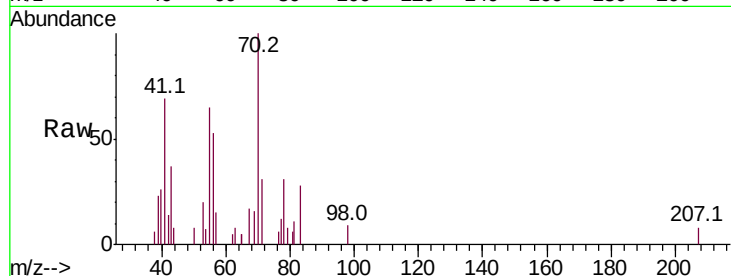
Tot Ion: 43 Resp: 2956

Ion Ratio Lower Upper

43 100

61 0.0 29.5 44.3#

87 0.0 14.2 21.4#



#48

Methyl methacrylate

Concen: 9.149 ug/l

RT: 9.56 min Scan# 1298

Delta R.T. 0.09 min

Lab File: VD067309.D

Acq: 19 Oct 2020 15:29

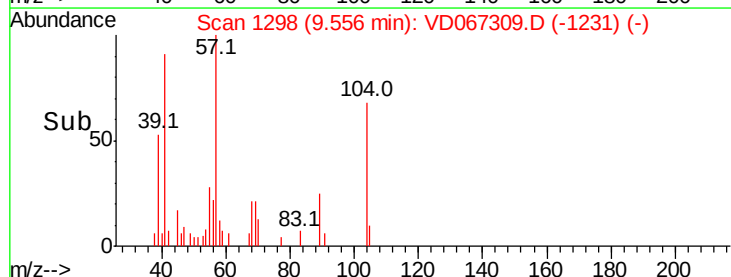
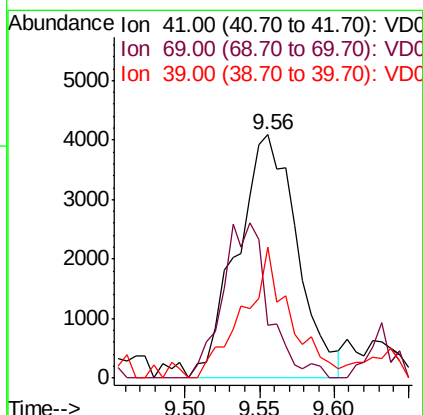
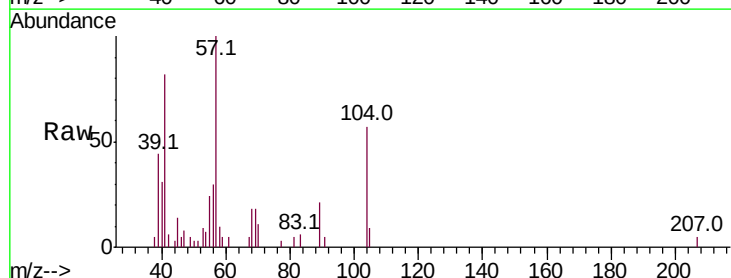
Tgt Ion: 41 Resp: 11412

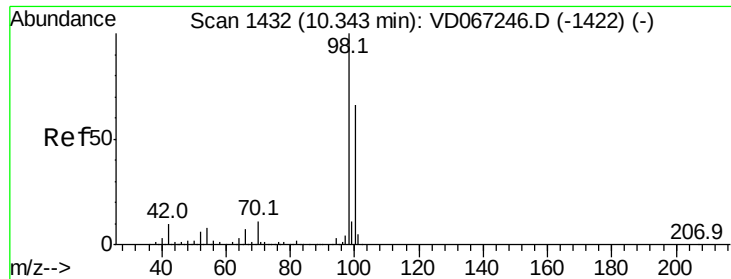
Ion Ratio Lower Upper

41 100

69 49.4 89.0 133.6#

39 41.8 60.2 90.2#

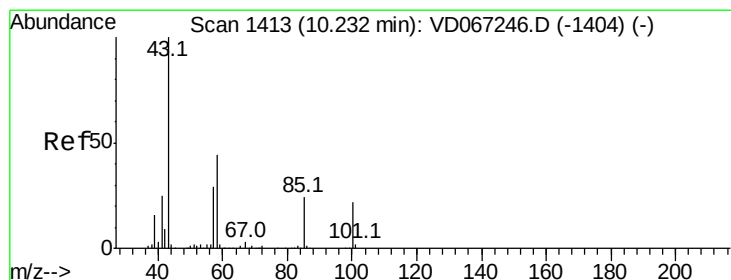
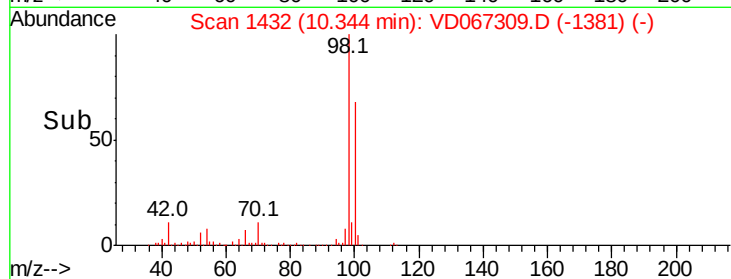
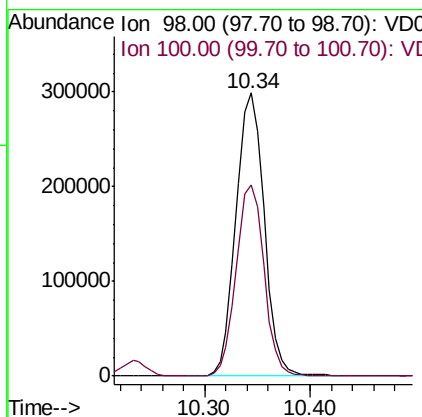
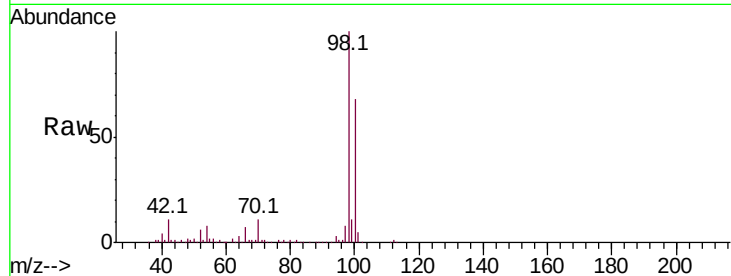




#50
Toluene-d8
Concen: 44.408 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067309.D
Acq: 19 Oct 2020 15:29

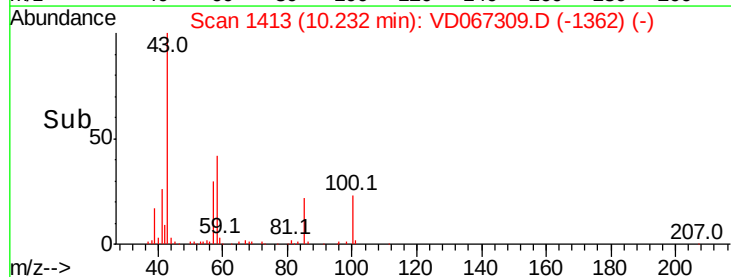
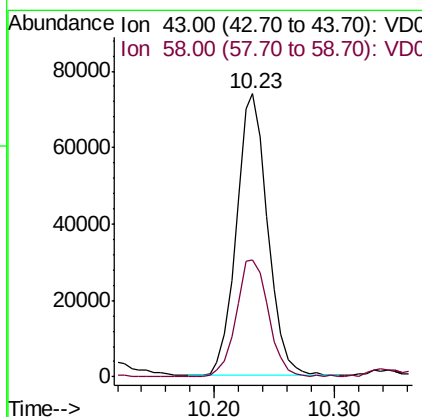
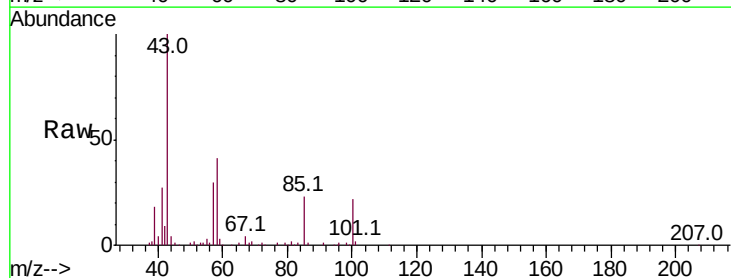
Instrument :
MSVOA_D
ClientSampleId :
16757-S

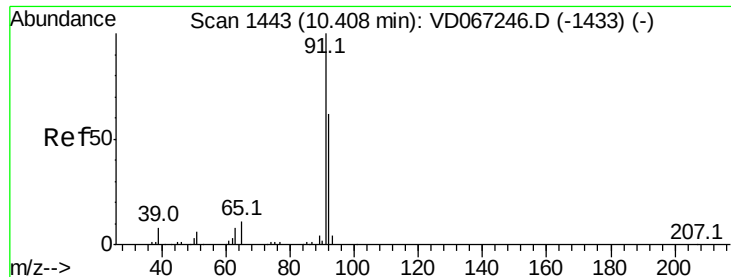
Tot Ion: 98 Resp: 554793
Ion Ratio Lower Upper
98 100
100 66.8 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 103.690 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD067309.D
Acq: 19 Oct 2020 15:29

Tgt Ion: 43 Resp: 132745
Ion Ratio Lower Upper
43 100
58 43.1 35.7 53.5





#52

Toluene

Concen: 120.737 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067309.D

Acq: 19 Oct 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

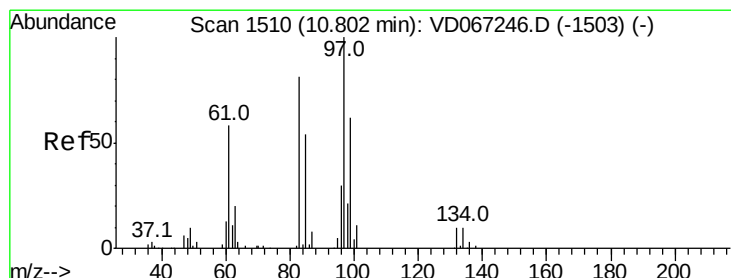
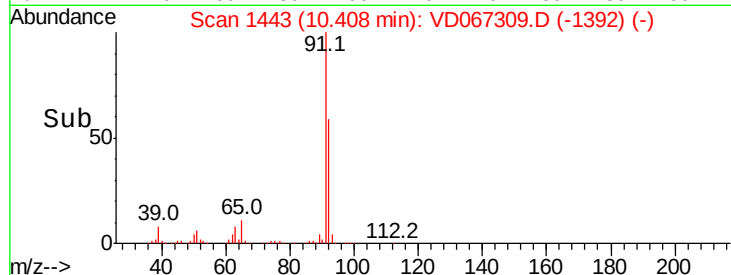
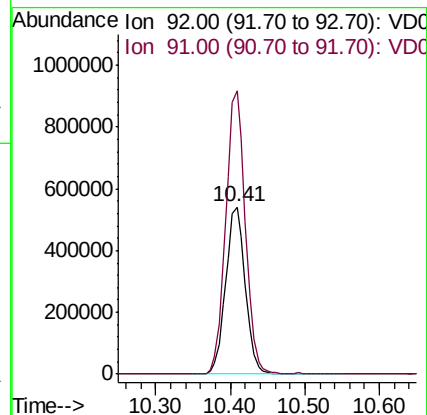
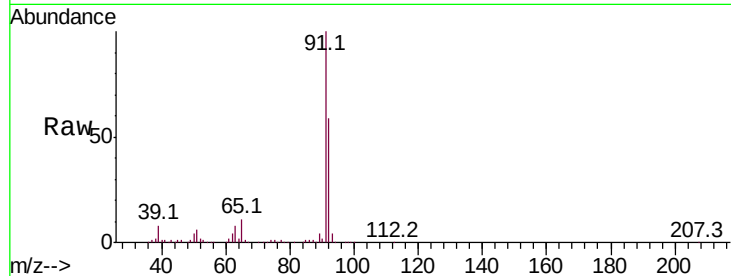
16757-S

Tot Ion: 92 Resp: 991869

Ion Ratio Lower Upper

92 100

91 169.7 133.8 200.8



#55

1,1,2-Trichloroethane

Concen: 3.017 ug/l

RT: 10.78 min Scan# 1506

Delta R.T. -0.02 min

Lab File: VD067309.D

Acq: 19 Oct 2020 15:29

Tgt Ion: 97 Resp: 7166

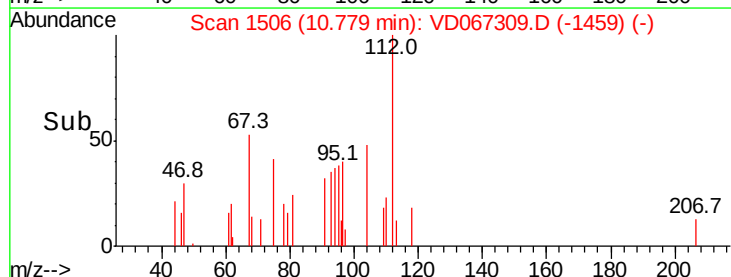
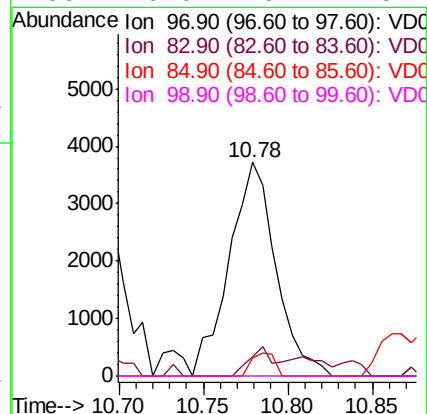
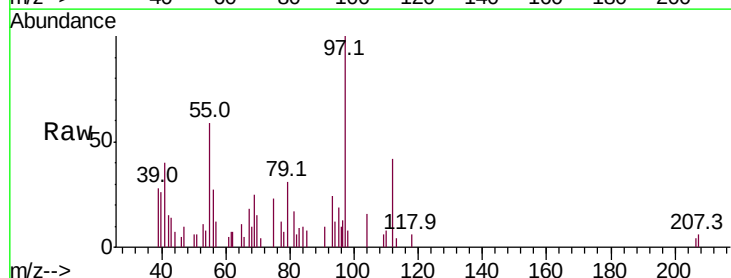
Ion Ratio Lower Upper

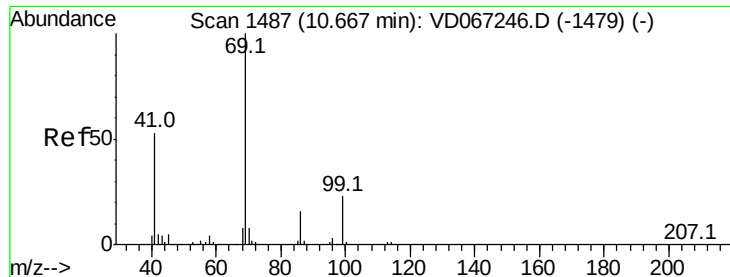
97 100

83 9.0 64.9 97.3#

85 8.3 43.3 64.9#

99 0.0 49.1 73.7#





#56

Ethyl methacrylate

Concen: 1.645 ug/l

RT: 10.69 min Scan# 1491

Delta R.T. 0.02 min

Lab File: VD067309.D

Acq: 19 Oct 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

16757-S

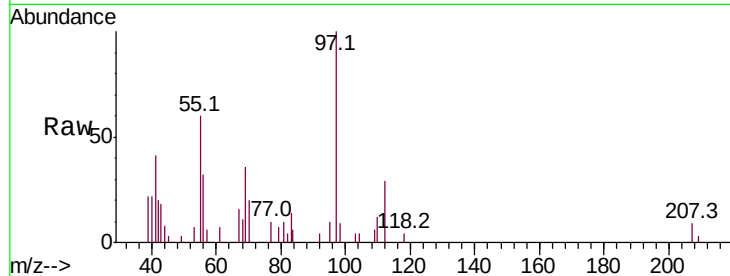
Tot Ion: 69 Resp: 4051

Ion Ratio Lower Upper

69 100

41 116.9 44.7 67.1#

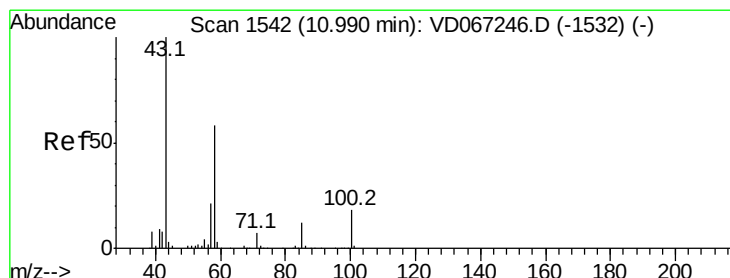
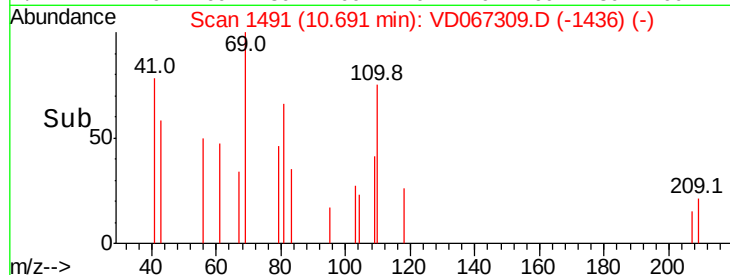
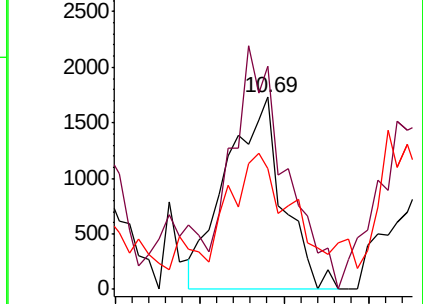
39 0.0 26.2 39.2#



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC



#59

2-Hexanone

Concen: 4.890 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. -0.03 min

Lab File: VD067309.D

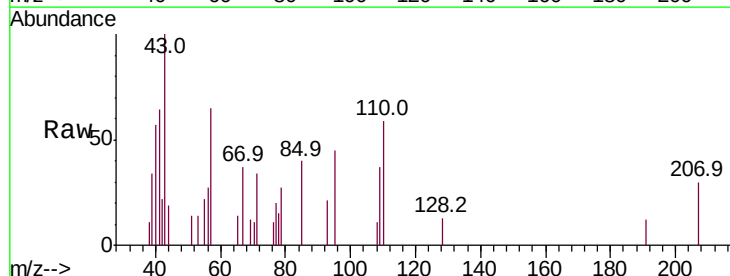
Acq: 19 Oct 2020 15:29

Tgt Ion: 43 Resp: 4278

Ion Ratio Lower Upper

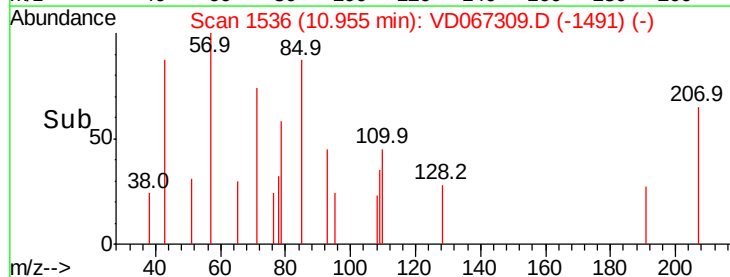
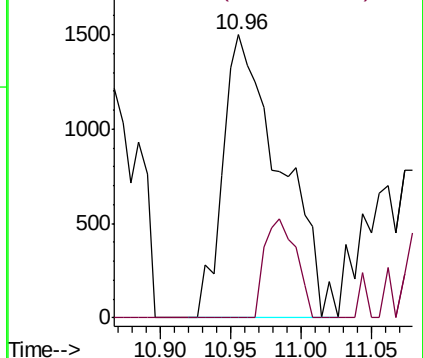
43 100

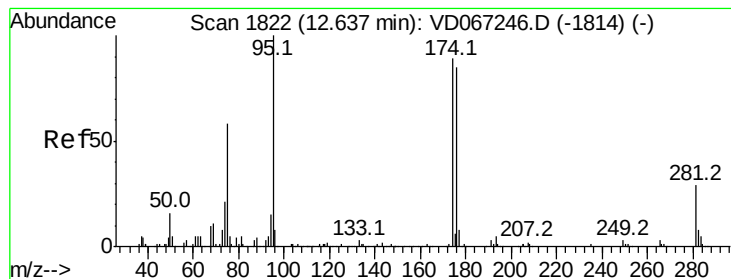
58 0.0 29.3 87.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#62

4-Bromofluorobenzene

Concen: 34.573 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067309.D

Acq: 19 Oct 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

16757-S

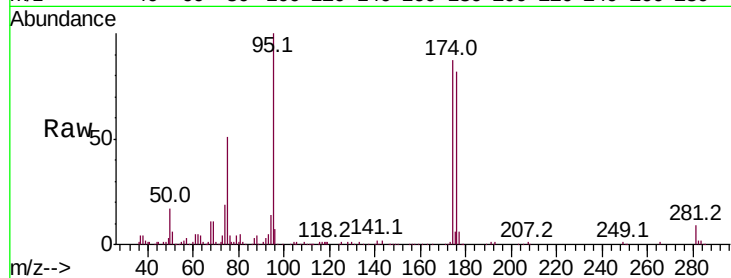
Tot Ion: 95 Resp: 150188

Ion Ratio Lower Upper

95 100

174 85.6 0.0 175.2

176 80.9 0.0 168.6



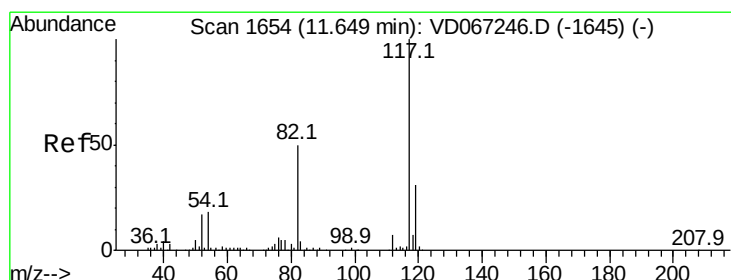
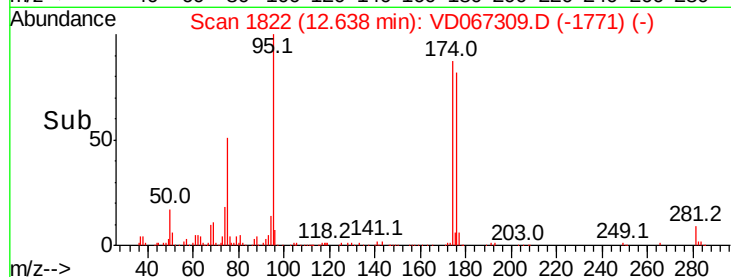
Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.64

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD067309.D

Acq: 19 Oct 2020 15:29

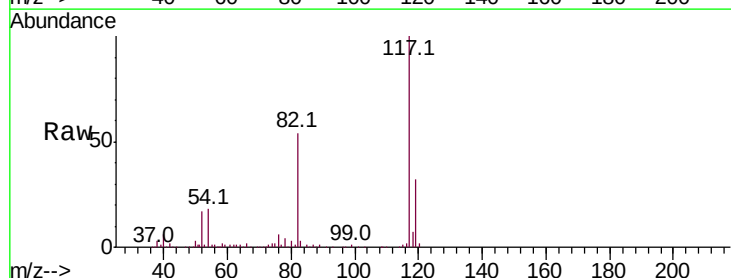
Tgt Ion: 117 Resp: 400502

Ion Ratio Lower Upper

117 100

82 54.4 39.9 59.9

119 32.1 24.9 37.3



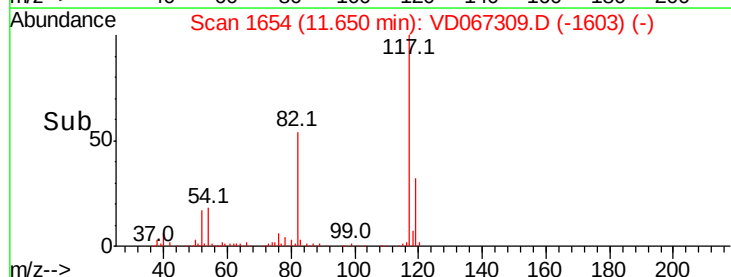
Abundance Ion 116.90 (116.60 to 117.60): V

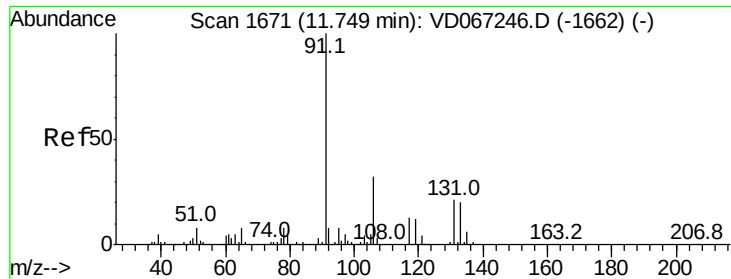
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

11.65

Time-->





#67

Ethyl Benzene

Concen: 49.988 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067309.D

Acq: 19 Oct 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

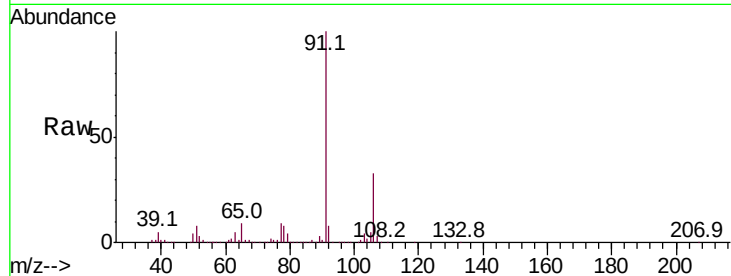
16757-S

Tot Ion: 91 Resp: 658092

Ion Ratio Lower Upper

91 100

106 32.7 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

1500000

1000000

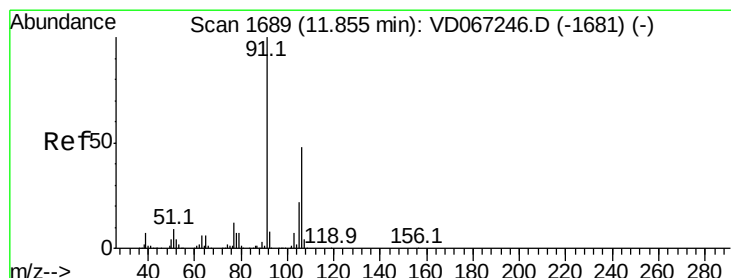
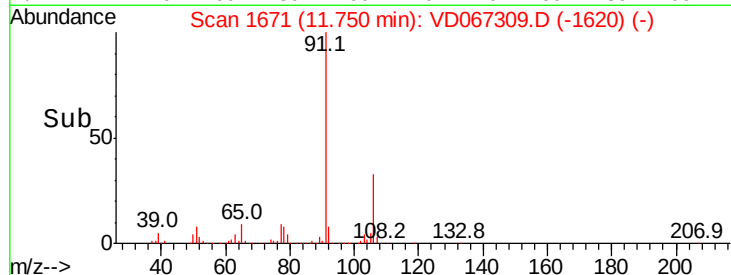
500000

0

11.75

11.80

Time-->



#68

m/p-Xylenes

Concen: 236.945 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067309.D

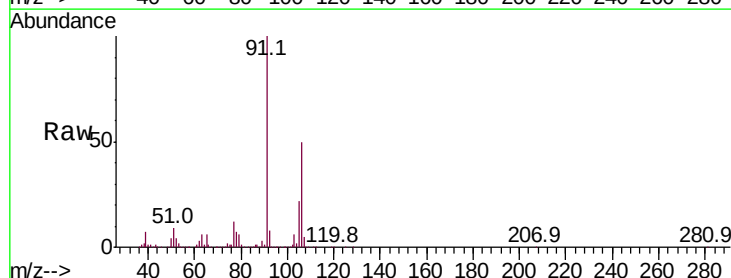
Acq: 19 Oct 2020 15:29

Tgt Ion:106 Resp: 1201235

Ion Ratio Lower Upper

106 100

91 202.5 163.8 245.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

1500000

1000000

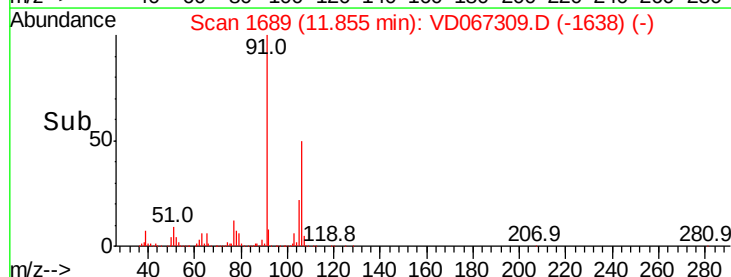
500000

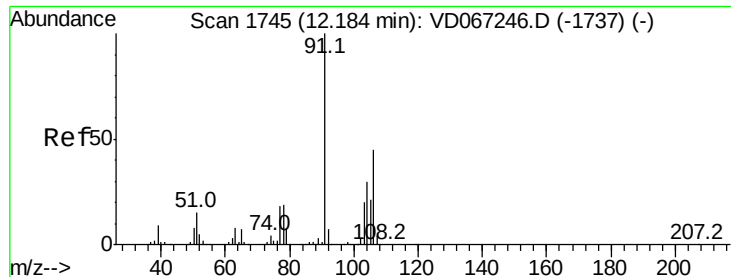
0

11.86

11.90

Time-->

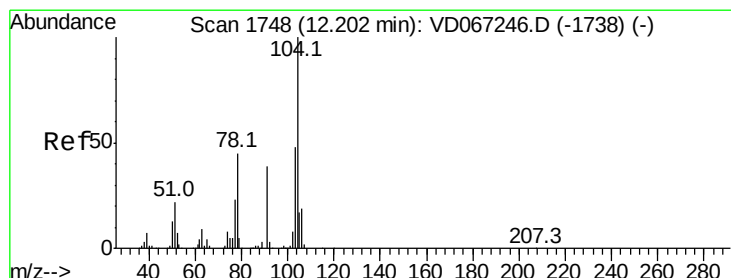
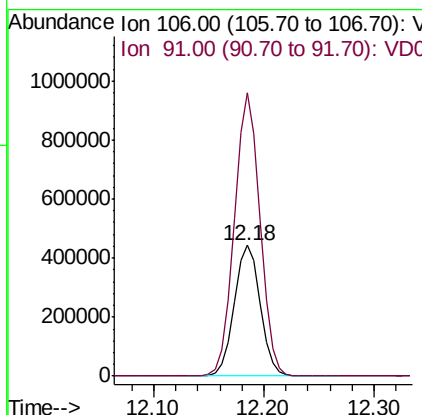
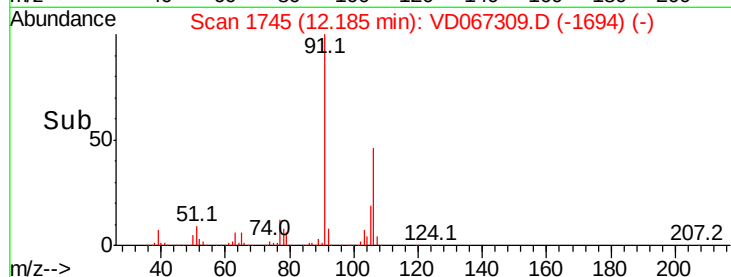
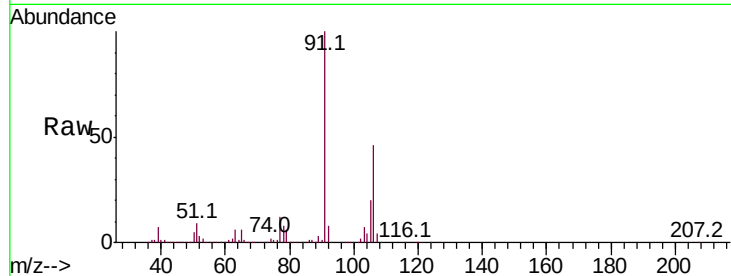




#69
o-Xylene
Concen: 156.088 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067309.D
Acq: 19 Oct 2020 15:29

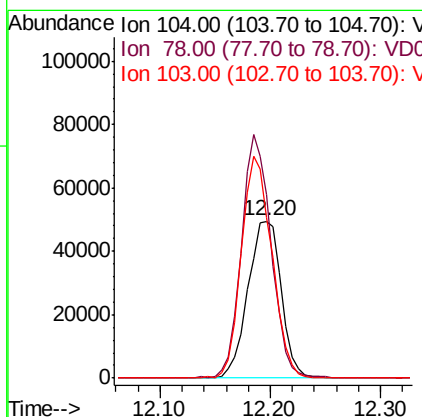
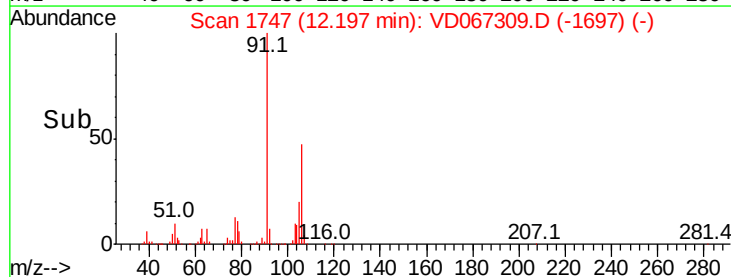
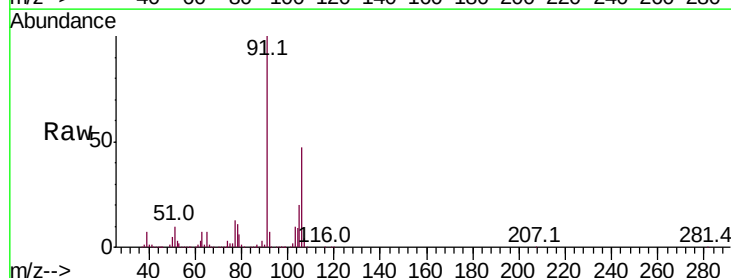
Instrument :
MSVOA_D
ClientSampleId :
16757-S

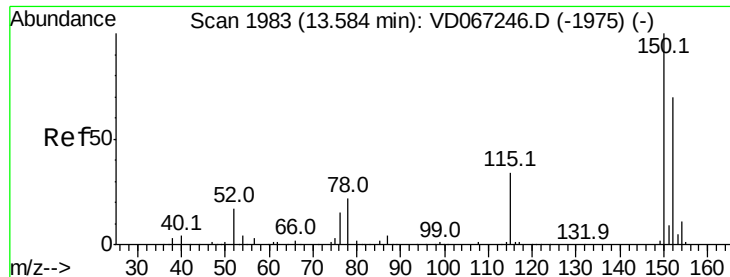
Tot Ion:106 Resp: 732763
Ion Ratio Lower Upper
106 100
91 213.6 109.1 327.3



#70
Styrene
Concen: 12.951 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067309.D
Acq: 19 Oct 2020 15:29

Tgt Ion:104 Resp: 104665
Ion Ratio Lower Upper
104 100
78 138.5 39.8 59.6#
103 130.1 42.6 64.0#



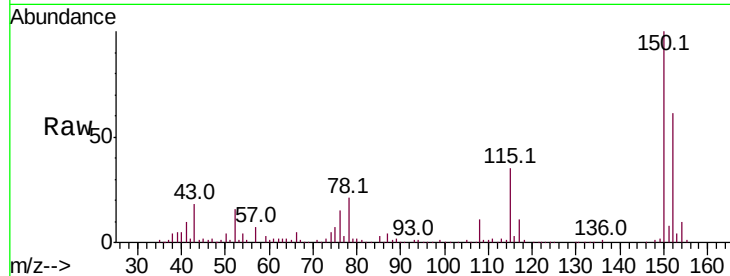


#72

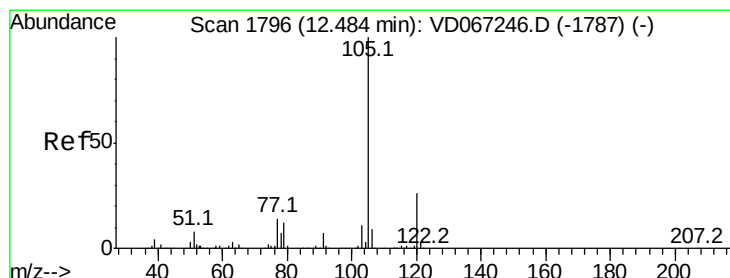
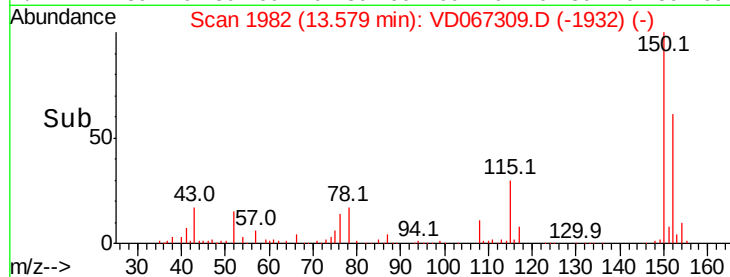
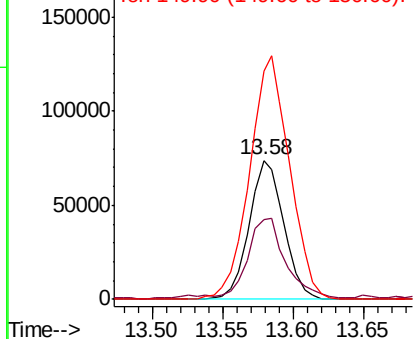
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067309.D
Acq: 19 Oct 2020 15:29

Instrument :
MSVOA_D
ClientSampleId :
16757-S

Tot Ion:152 Resp: 126784
Ion Ratio Lower Upper
152 100
115 60.7 29.3 87.9
150 201.5 0.0 339.0



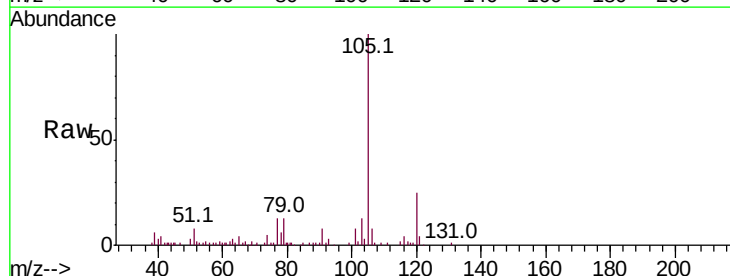
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



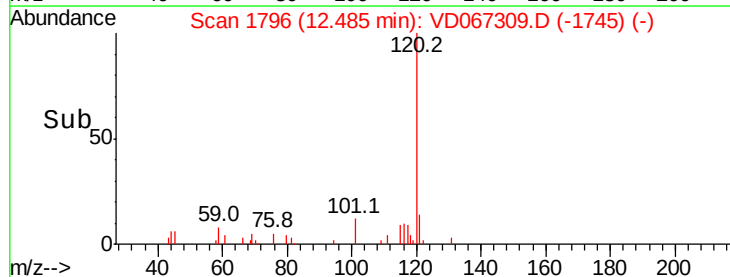
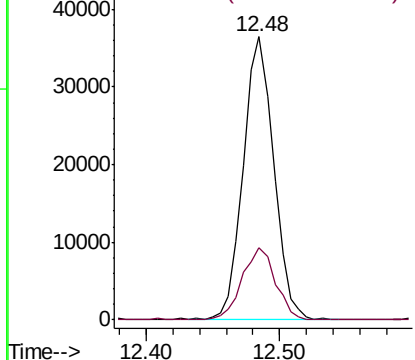
#73

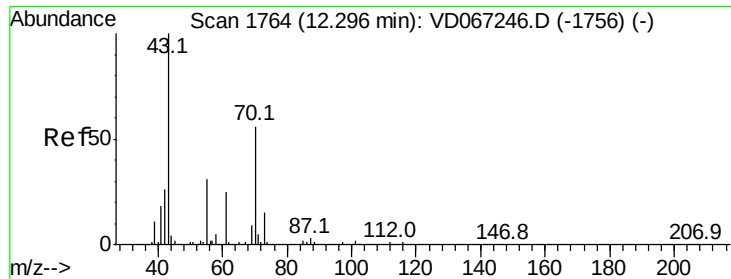
Isopropylbenzene
Concen: 7.145 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067309.D
Acq: 19 Oct 2020 15:29

Tgt Ion:105 Resp: 57490
Ion Ratio Lower Upper
105 100
120 27.7 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

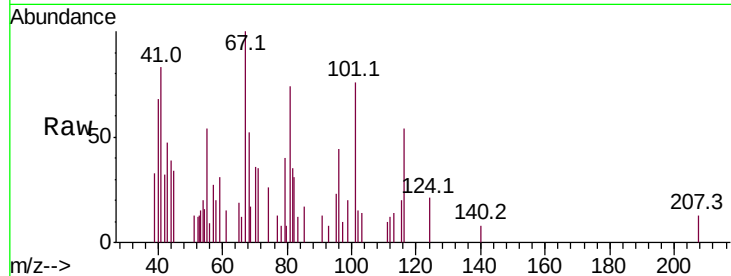




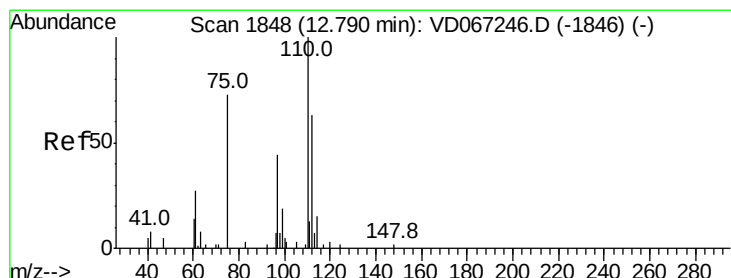
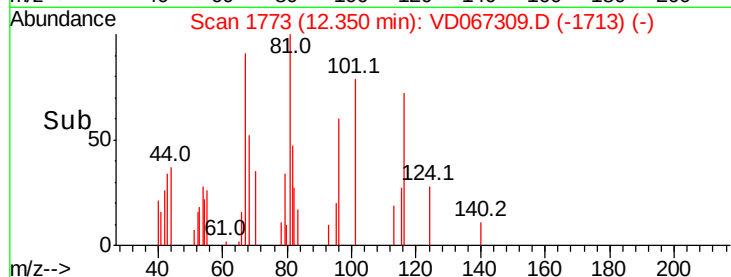
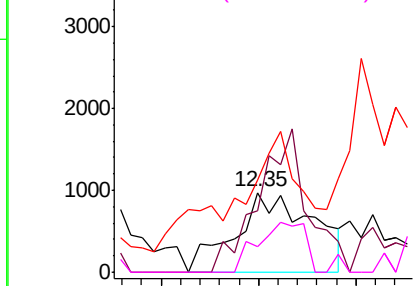
#74
N-amvl acetate
Concen: 2.223 ug/l
RT: 12.35 min Scan# 1773
Delta R.T. 0.05 min
Lab File: VD067309.D
Acq: 19 Oct 2020 15:29

Instrument :
MSVOA_D
ClientSampleId :
16757-S

Tot Ion: 43 Resp: 2701
Ion Ratio Lower Upper
43 100
70 114.2 42.7 64.1#
55 76.6 24.0 36.0#
61 38.2 22.2 33.4#

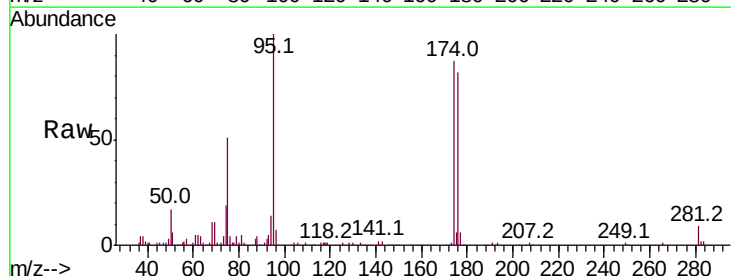


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 70.00 (69.70 to 70.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 61.00 (60.70 to 61.70): VDC

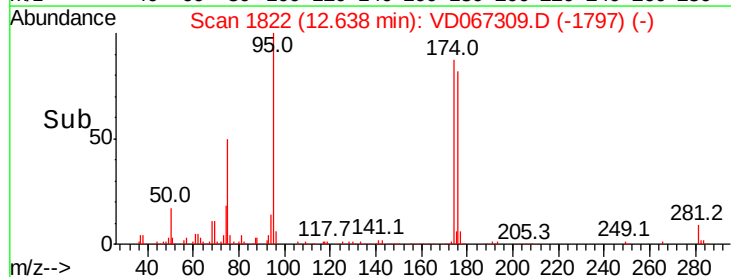
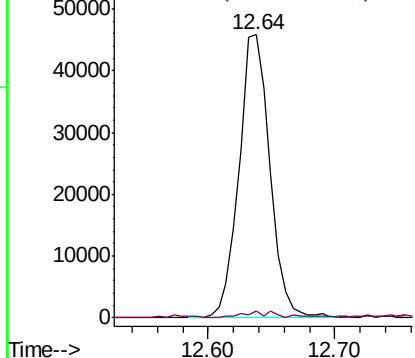


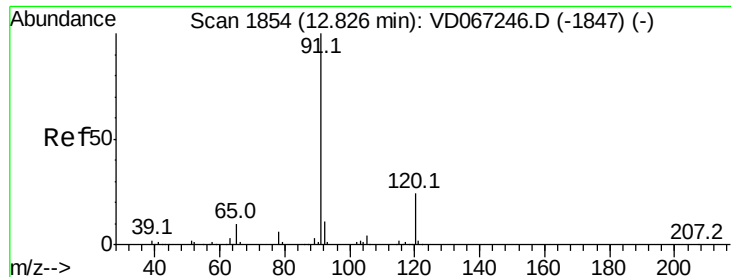
#76
1,2,3-Trichloropropane
Concen: 88.366 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD067309.D
Acq: 19 Oct 2020 15:29

Tgt Ion: 75 Resp: 77650
Ion Ratio Lower Upper
75 100
77 2.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#78

n-propylbenzene

Concen: 8.213 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067309.D

Acq: 19 Oct 2020 15:29

Instrument :

MSVOA_D

ClientSampled :

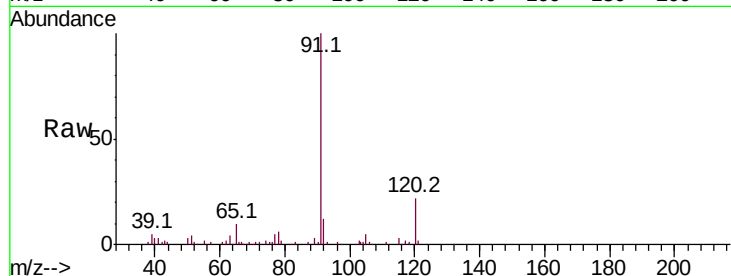
16757-S

Tot Ion: 91 Resp: 76569

Ion Ratio Lower Upper

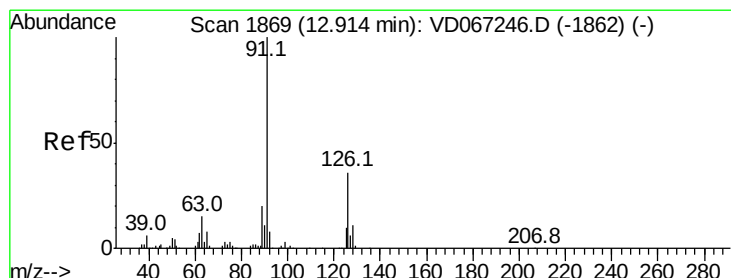
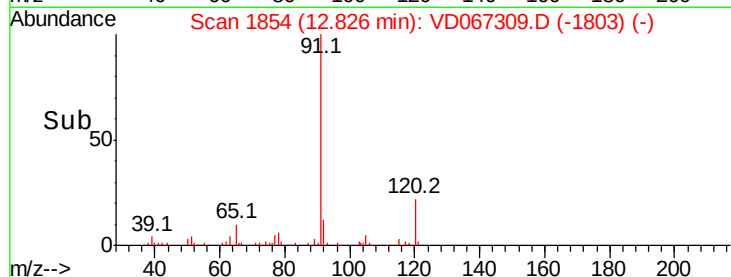
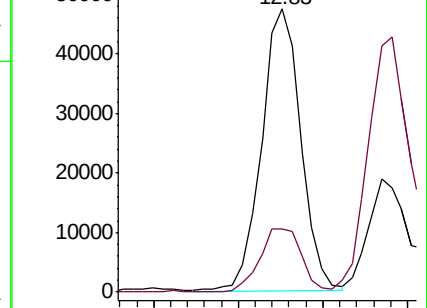
91 100

120 24.3 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 7.114 ug/l

RT: 12.88 min Scan# 1864

Delta R.T. -0.03 min

Lab File: VD067309.D

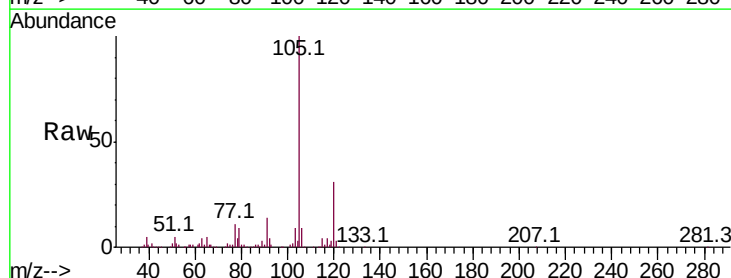
Acq: 19 Oct 2020 15:29

Tgt Ion: 91 Resp: 38460

Ion Ratio Lower Upper

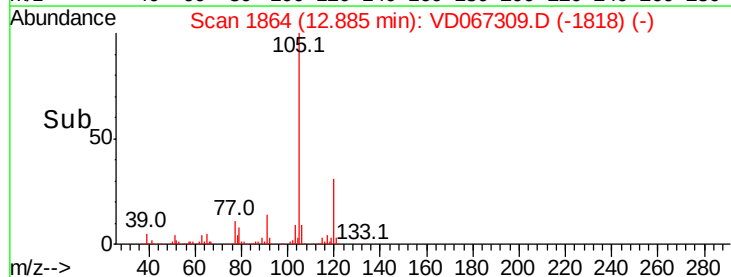
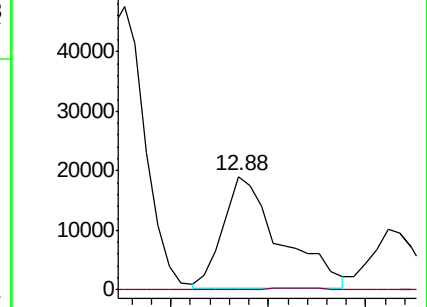
91 100

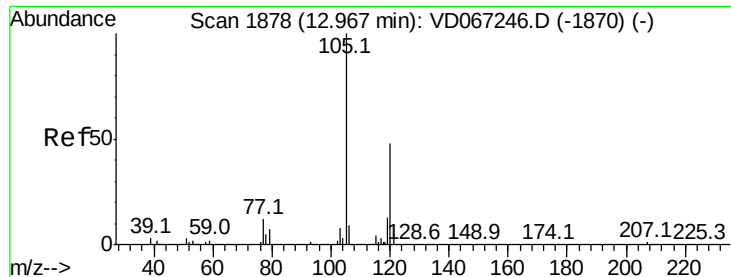
126 0.0 17.6 52.8#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 20.909 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067309.D

Acq: 19 Oct 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

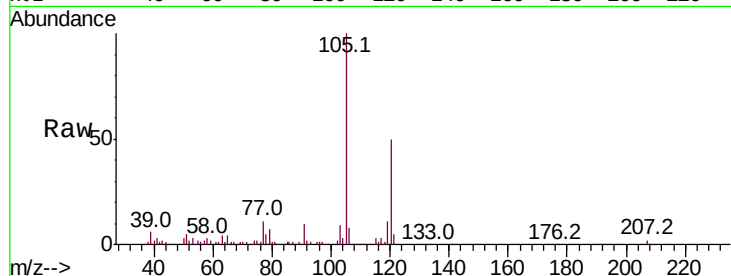
16757-S

Tot Ion:105 Resp: 146206

Ion Ratio Lower Upper

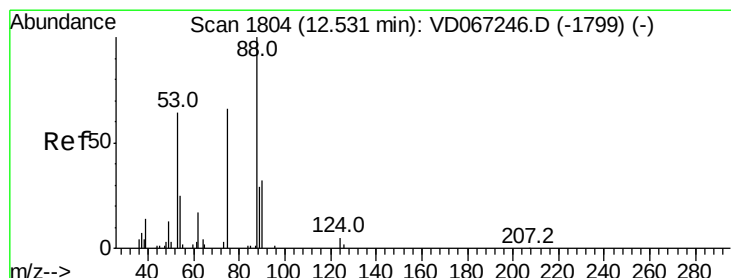
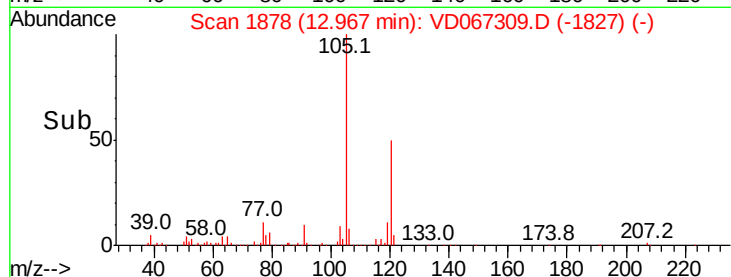
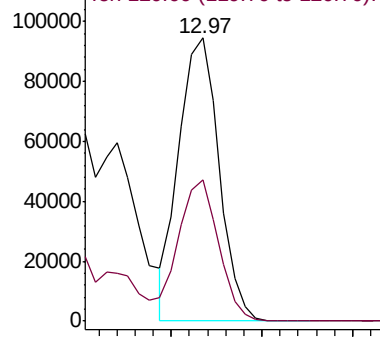
105 100

120 50.8 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 200.387 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067309.D

Acq: 19 Oct 2020 15:29

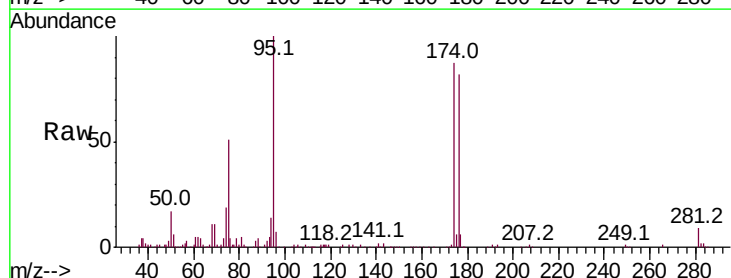
Tgt Ion: 75 Resp: 77650

Ion Ratio Lower Upper

75 100

53 0.7 78.5 117.7#

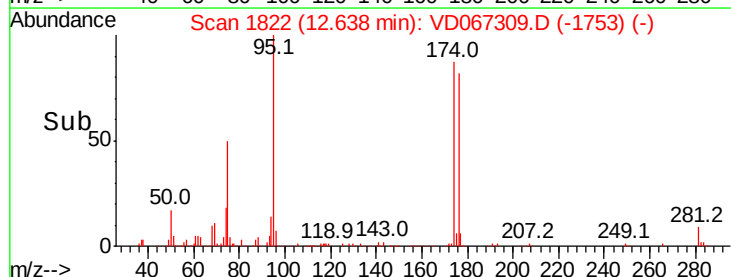
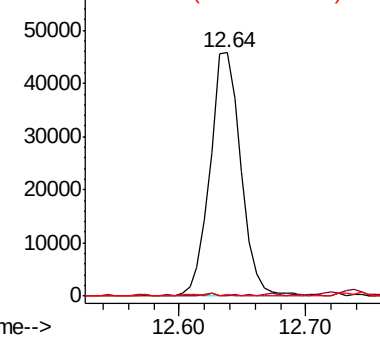
89 0.7 39.9 59.9#

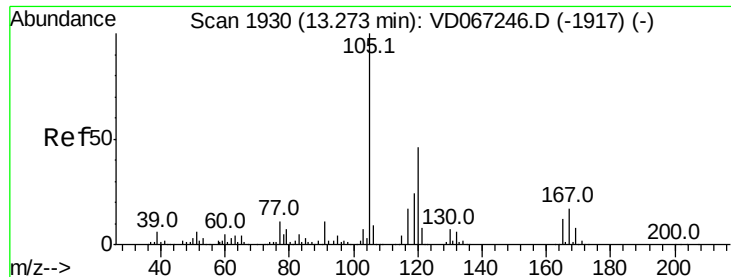


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#84

1,2,4-Trimethylbenzene

Concen: 47.298 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD067309.D

Acq: 19 Oct 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

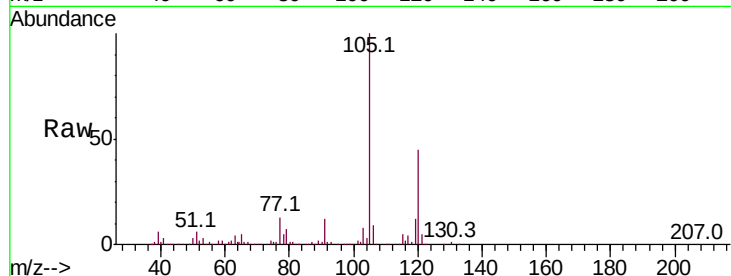
16757-S

Tot Ion:105 Resp: 326884

Ion Ratio Lower Upper

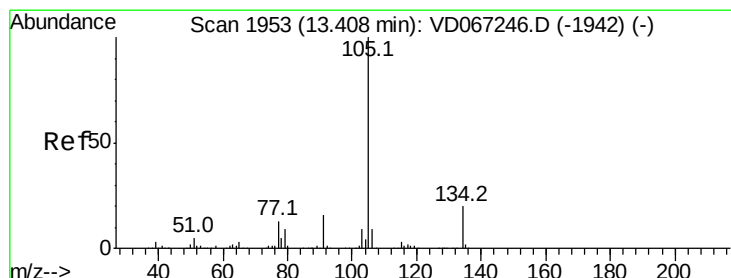
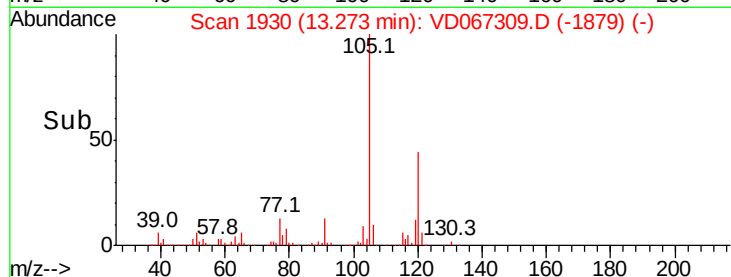
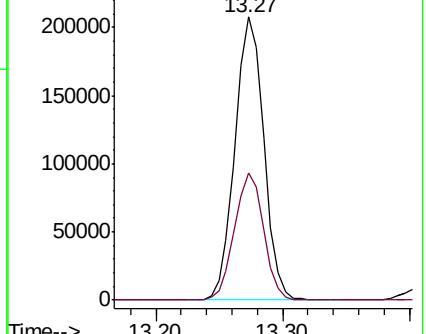
105 100

120 45.2 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 1.538 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067309.D

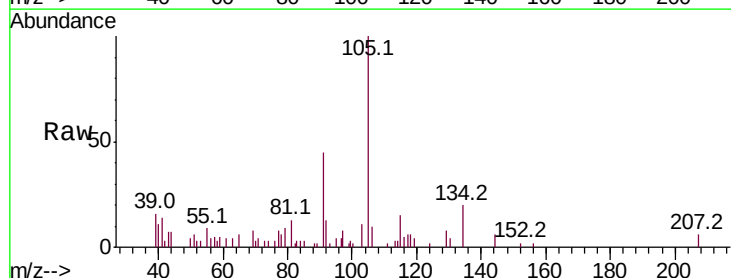
Acq: 19 Oct 2020 15:29

Tgt Ion:105 Resp: 12461

Ion Ratio Lower Upper

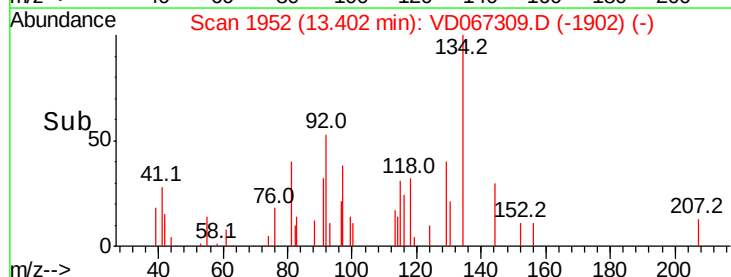
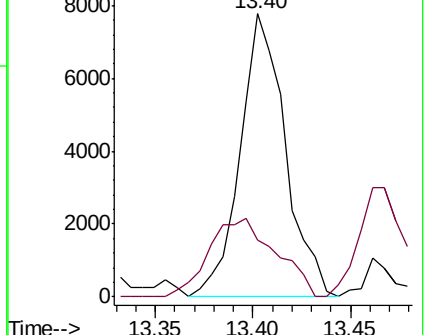
105 100

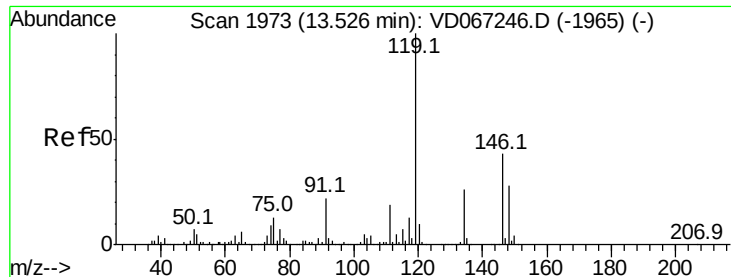
134 40.9 10.5 31.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

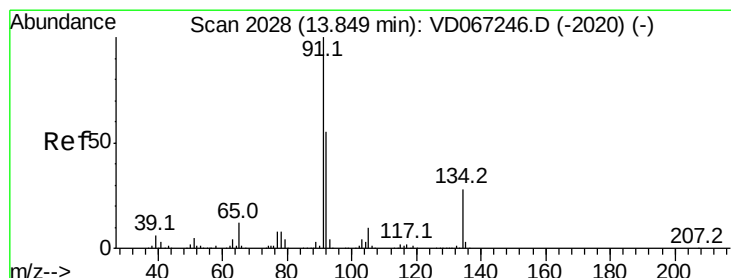
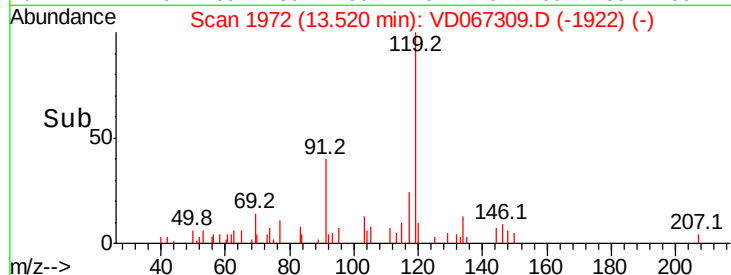
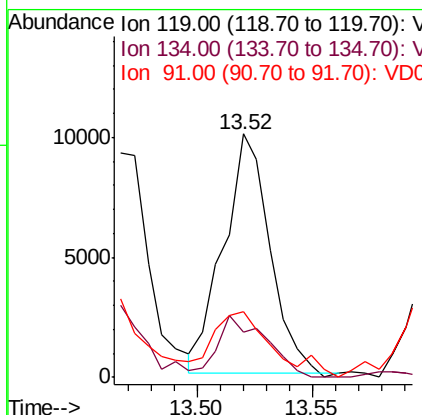
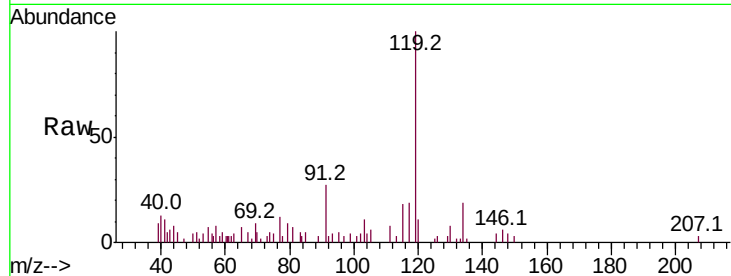




#86
 p-Isopropyltoluene
 Concen: 1.823 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067309.D
 Acq: 19 Oct 2020 15:29

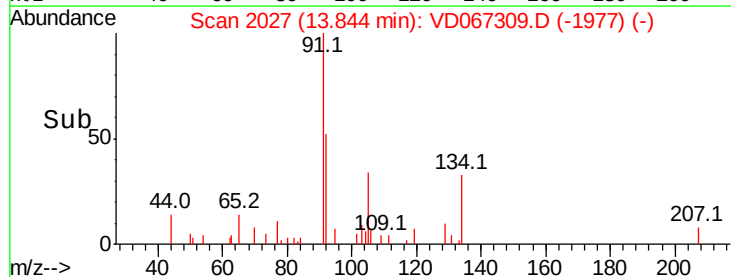
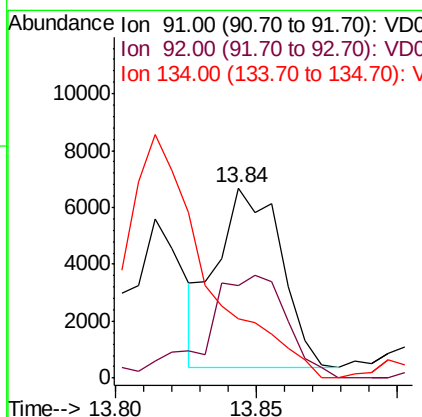
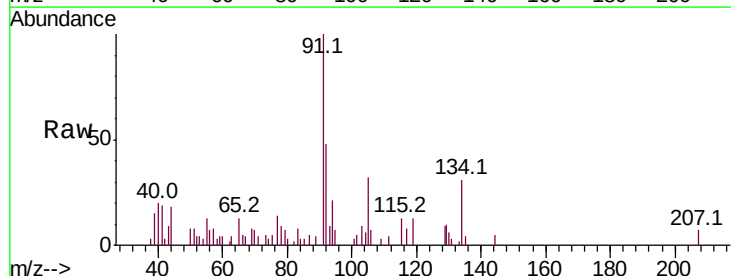
Instrument :
 MSVOA_D
 ClientSampleId :
 16757-S

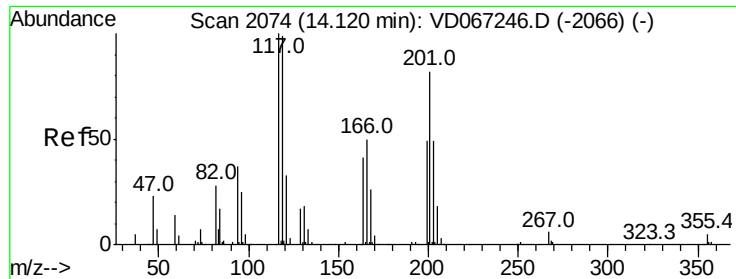
Tot Ion:119 Resp: 13944
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.1 39.3
 91 35.4 11.9 35.9



#89
 n-Butylbenzene
 Concen: 1.491 ug/l
 RT: 13.84 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: VD067309.D
 Acq: 19 Oct 2020 15:29

Tgt Ion: 91 Resp: 10031
 Ion Ratio Lower Upper
 91 100
 92 72.3 26.7 80.0
 134 0.0 14.2 42.6#





#90

Hexachloroethane

Concen: 3.243 ug/l

RT: 14.11 min Scan# 2073

Delta R.T. -0.01 min

Lab File: VD067309.D

Acq: 19 Oct 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

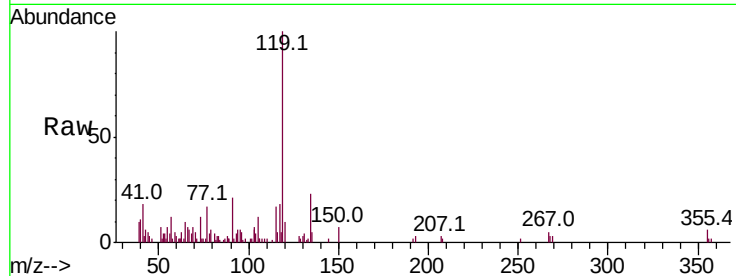
16757-S

Tot Ion:117 Resp: 4329

Ion Ratio Lower Upper

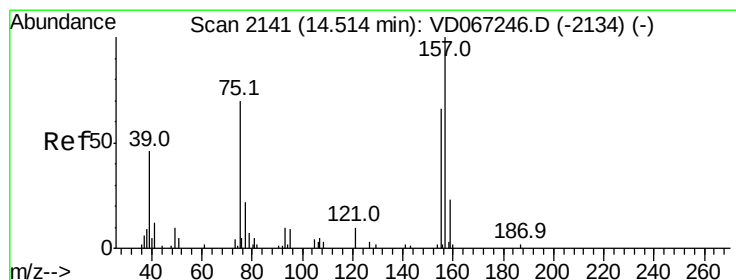
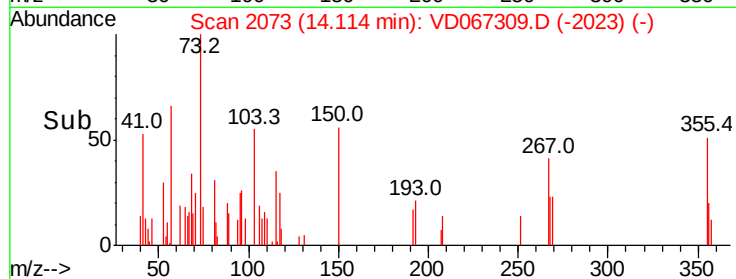
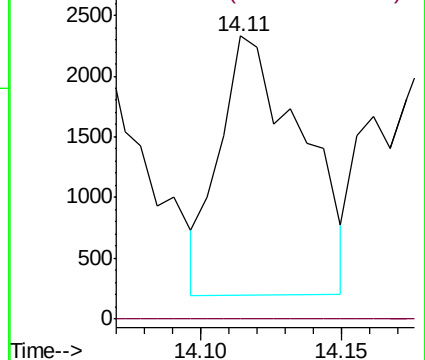
117 100

201 0.0 40.8 122.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.701 ug/l

RT: 14.53 min Scan# 2144

Delta R.T. 0.02 min

Lab File: VD067309.D

Acq: 19 Oct 2020 15:29

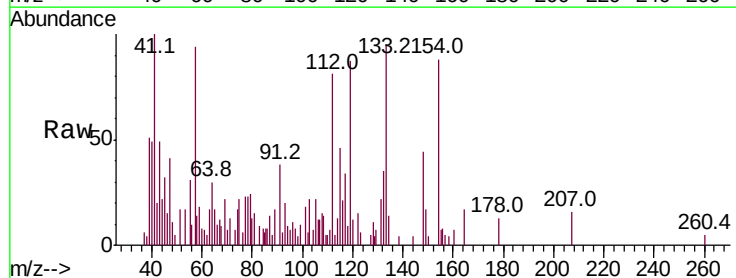
Tgt Ion: 75 Resp: 605

Ion Ratio Lower Upper

75 100

155 59.7 44.8 134.4

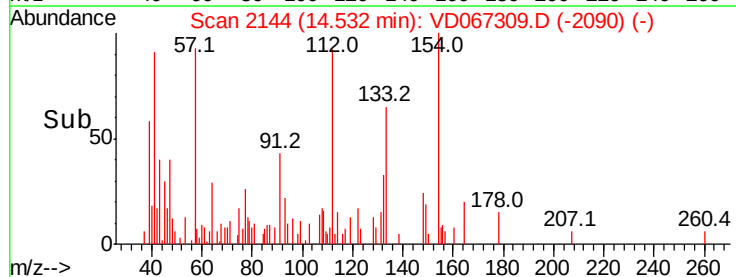
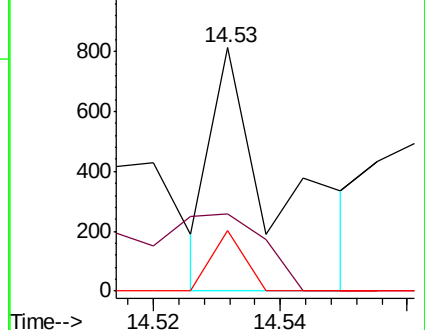
157 11.9 62.5 187.4#

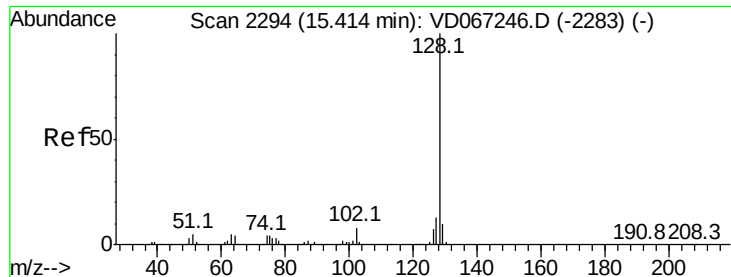


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95
 Naphthalene
 Concen: 246.095 ug/l
 RT: 15.41 min Scan# 2293
 Delta R.T. -0.01 min
 Lab File: VD067309.D
 Acq: 19 Oct 2020 15:29

Instrument :
 MSVOA_D
 ClientSampleId :
 16757-S

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	11.7	8.6	12.8

