

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101920\
 Data File : VD067308.D
 Acq On : 19 Oct 2020 14:51
 Operator : VA/SY
 Sample : L4434-02
 Misc : 5.10G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 16757-S

Quant Time: Oct 20 01:14:19 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	7.98	168	22060	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	33135	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	34913	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	16801	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	15908	71.98	ug/l	0.00
Spiked Amount			Recovery	=	143.96%	
35) Dibromofluoromethane	7.91	113	13085	59.34	ug/l	0.00
Spiked Amount			Recovery	=	118.68%	
50) Toluene-d8	10.34	98	42250	52.94	ug/l	0.00
Spiked Amount			Recovery	=	105.88%	
62) 4-Bromofluorobenzene	12.64	95	16549	59.64	ug/l	0.00
Spiked Amount			Recovery	=	119.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	688	17.464	ug/l #	81
16) Acetone	4.16	43	31160	1006.713	ug/l	95
17) Carbon Disulfide	4.40	76	740	1.426	ug/l #	75
18) Methyl Acetate	4.73	43	192	2.720	ug/l #	41
20) Methylene Chloride	4.97	84	188	Below Cal	#	78
25) 2-Butanone	7.21	43	7811	221.385	ug/l #	89
26) 2,2-Dichloropropane	7.19	77	674	2.006	ug/l #	53
31) Cyclohexane	7.99	56	1043	4.097	ug/l	89
37) Ethyl Acetate	7.21	43	7811	94.532	ug/l #	65
38) Carbon Tetrachloride	7.98	117	2606	7.260	ug/l #	28
39) Methylcyclohexane	9.36	83	2607	8.879	ug/l	91
40) Benzene	8.35	78	11980	15.549	ug/l	95
41) Methacrylonitrile	7.66	41	76	1.702	ug/l #	8
48) Methyl methacrylate	9.44	41	172	2.159	ug/l #	2
51) 4-Methyl-2-Pentanone	10.23	43	17828	218.009	ug/l	94
52) Toluene	10.41	92	24223	46.160	ug/l	96
56) Ethyl methacrylate	10.68	69	460	2.924	ug/l #	30
59) 2-Hexanone	11.00	43	1025	18.343	ug/l #	32
67) Ethyl Benzene	11.75	91	19045	16.595	ug/l	97
68) m/p-Xylenes	11.86	106	37117	83.987	ug/l	93
69) o-Xylene	12.19	106	24150	59.012	ug/l	98
70) Styrene	12.20	104	4492	6.376	ug/l #	3
73) Isopropylbenzene	12.48	105	2917	2.736	ug/l	93
74) N-ethyl acetate	12.31	43	322	1.999	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.76	83	395	2.418	ug/l #	26
76) 1,2,3-Trichloropropane	12.64	75	8209	70.496	ug/l #	100
78) n-propylbenzene	12.82	91	4468	3.617	ug/l #	71
80) 1,3,5-Trimethylbenzene	12.96	105	6962	7.513	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.64	75	8209	159.863	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.27	105	17800	19.436	ug/l	93
85) sec-Butylbenzene	13.41	105	1108	1.032	ug/l #	55
86) p-Isopropyltoluene	13.52	119	1112	1.097	ug/l #	39
92) 1,2-Dibromo-3-Chloropropan	14.62	75	154	5.188	ug/l #	1
95) Naphthalene	15.41	128	87662	177.162	ug/l	99

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Response via : Initial Calibration

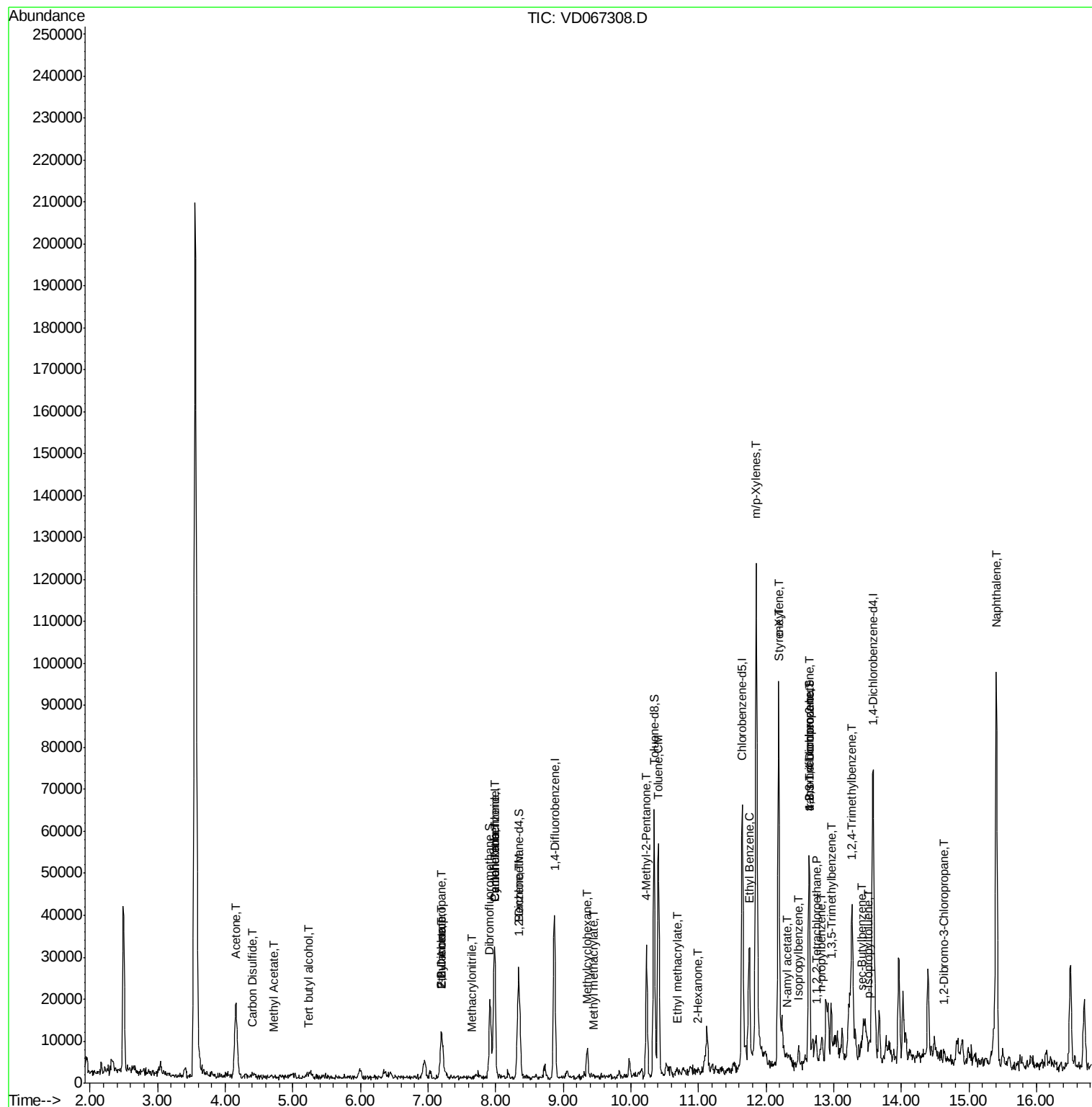
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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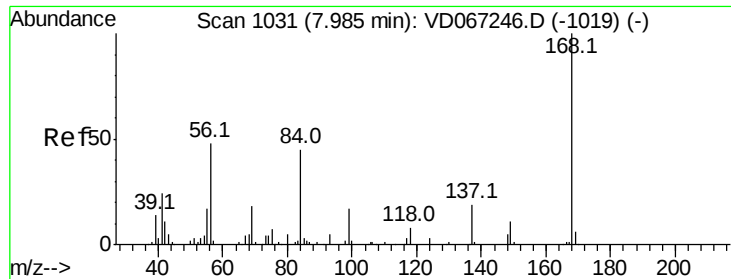
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101920\
Data File : VD067308.D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067308.D

Acq: 19 Oct 2020 14:51

Instrument :

MSVOA_D

ClientSampleID :

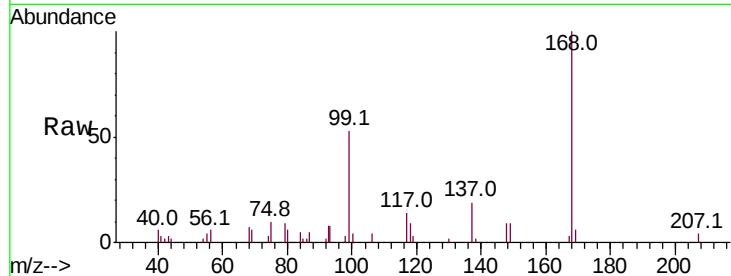
16757-S

Tot Ion:168 Resp: 22060

Ion Ratio Lower Upper

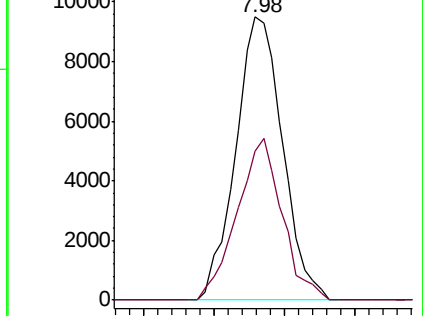
168 100

99 52.8 45.9 68.9

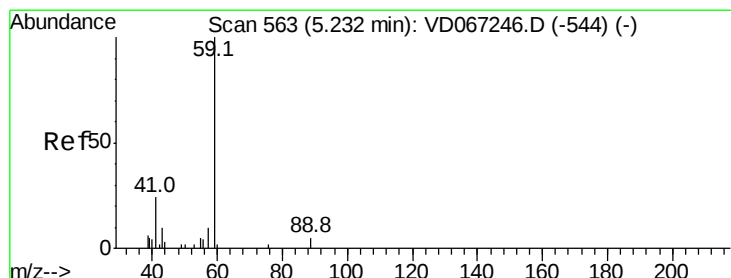
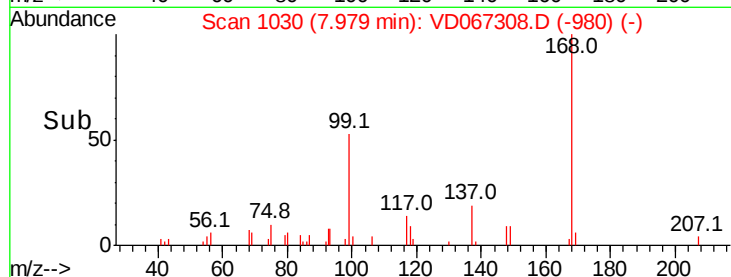


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



Time-->



#11

Tert butyl alcohol

Concen: 17.464 ug/l

RT: 5.24 min Scan# 564

Delta R.T. 0.01 min

Lab File: VD067308.D

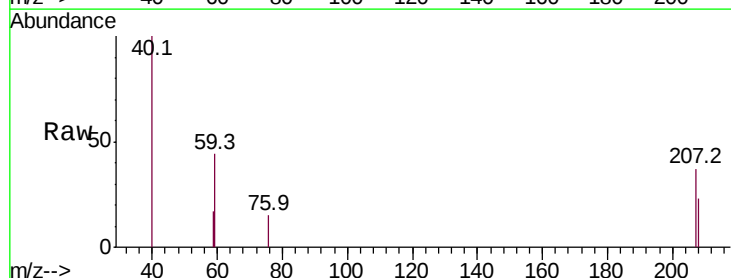
Acq: 19 Oct 2020 14:51

Tgt Ion: 59 Resp: 688

Ion Ratio Lower Upper

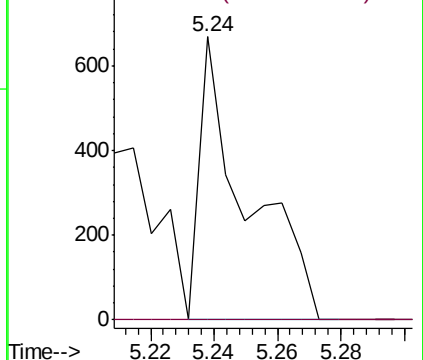
59 100

57 0.0 5.1 7.7#

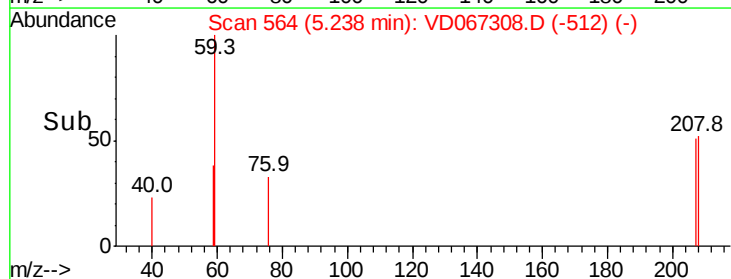


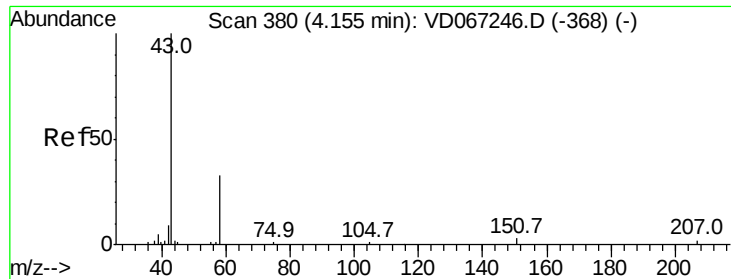
Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



Time-->





#16

Acetone

Concen: 1006.713 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067308.D

Acq: 19 Oct 2020 14:51

Instrument :

MSVOA_D

ClientSampleId :

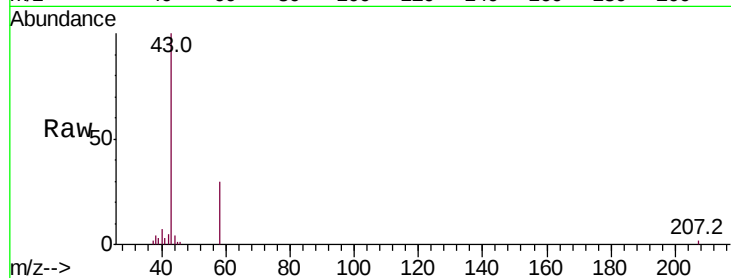
16757-S

Tot Ion: 43 Resp: 31160

Ion Ratio Lower Upper

43 100

58 29.7 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

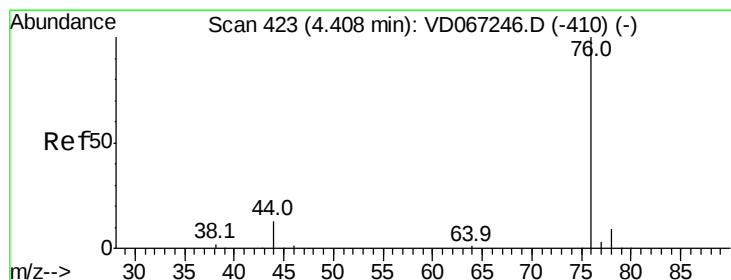
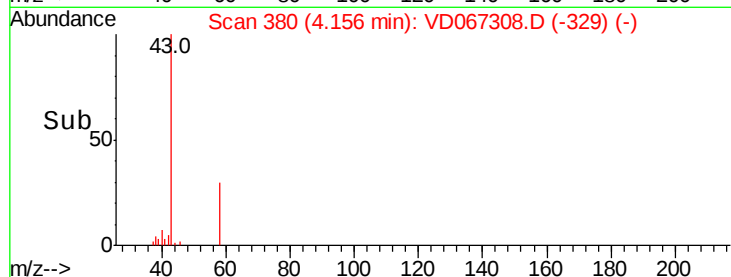
4.16

10000

5000

0

Time--> 4.05 4.10 4.15 4.20 4.25



#17

Carbon Disulfide

Concen: 1.426 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD067308.D

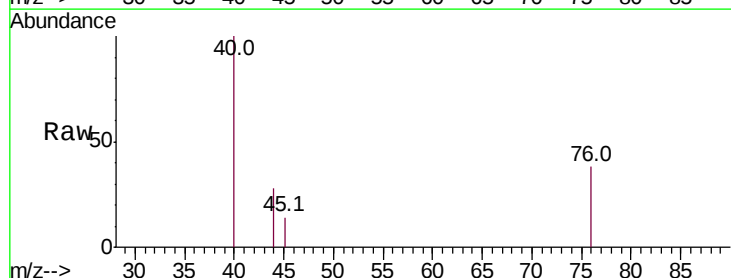
Acq: 19 Oct 2020 14:51

Tgt Ion: 76 Resp: 740

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

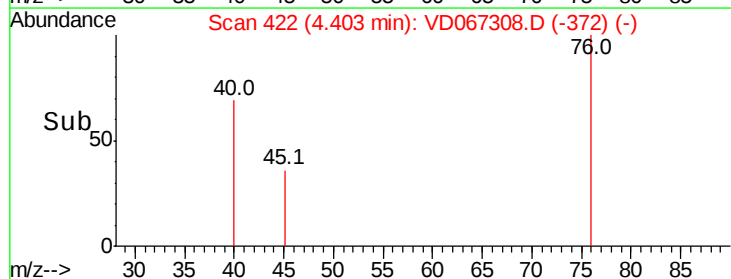
600

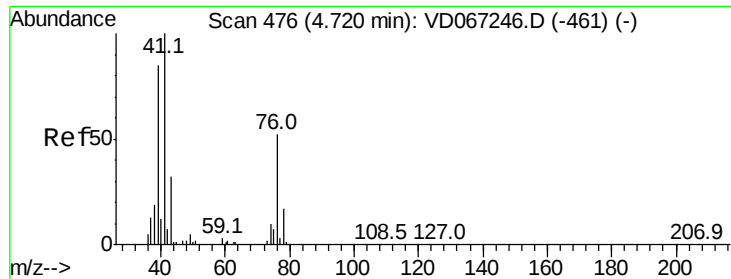
400

200

0

Time--> 4.36 4.38 4.40 4.42

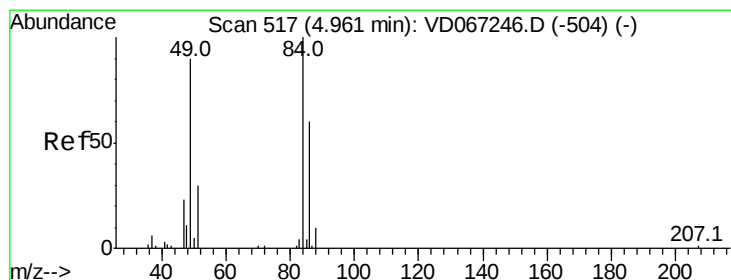
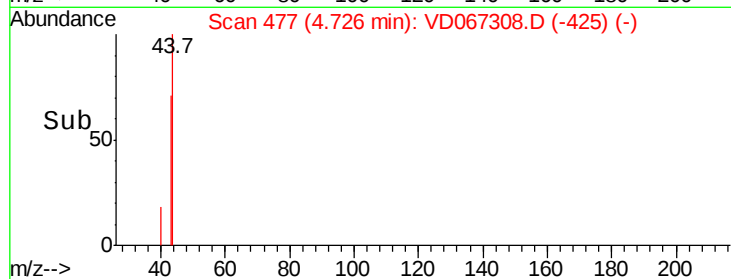
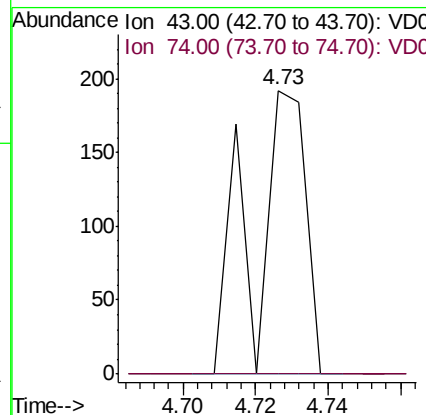
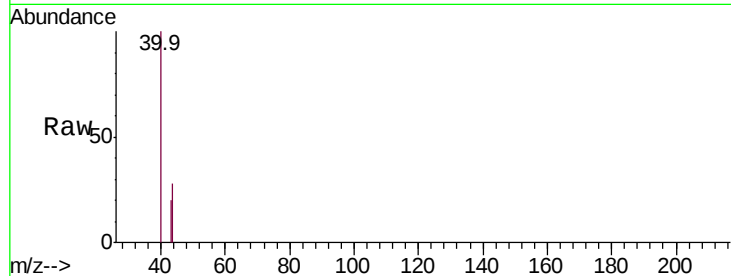




#18
Methyl Acetate
Concen: 2.720 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD067308.D
Acq: 19 Oct 2020 14:51

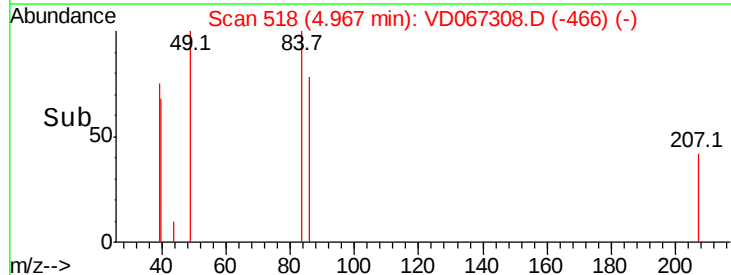
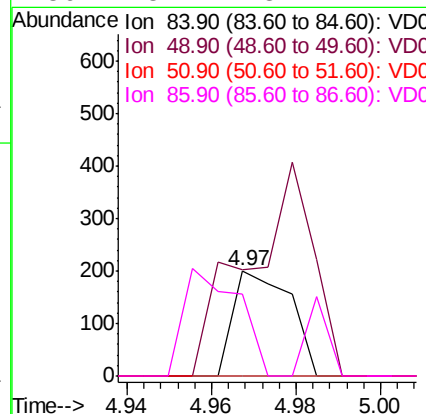
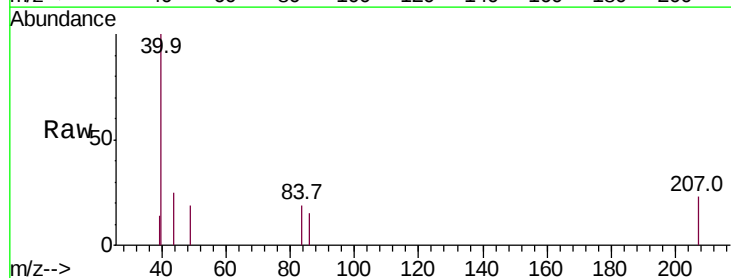
Instrument :
MSVOA_D
ClientSampleId :
16757-S

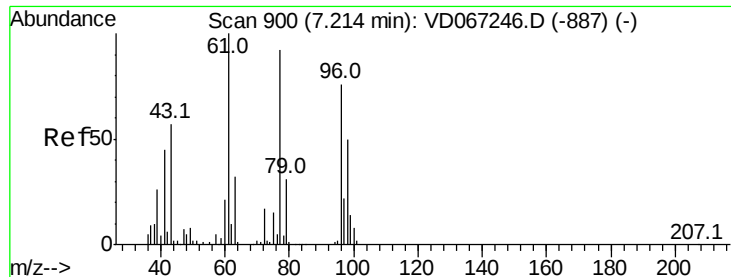
Tot Ion: 43 Resp: 192
Ion Ratio Lower Upper
43 100
74 0.0 26.6 39.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067308.D
Acq: 19 Oct 2020 14:51

Tgt Ion: 84 Resp: 188
Ion Ratio Lower Upper
84 100
49 100.5 72.2 108.2
51 0.0 23.8 35.8#
86 78.1 48.2 72.4#

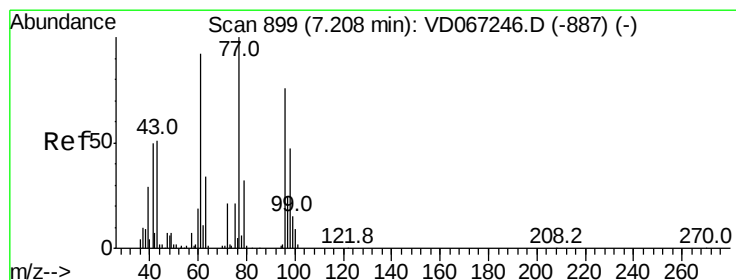
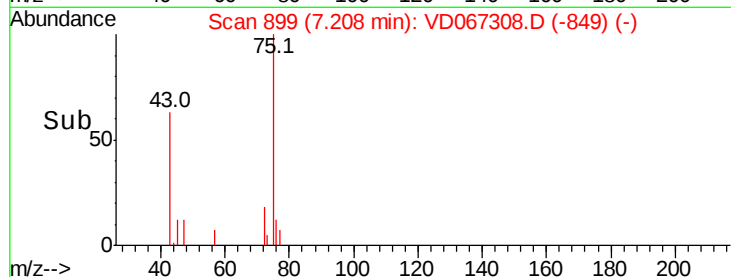
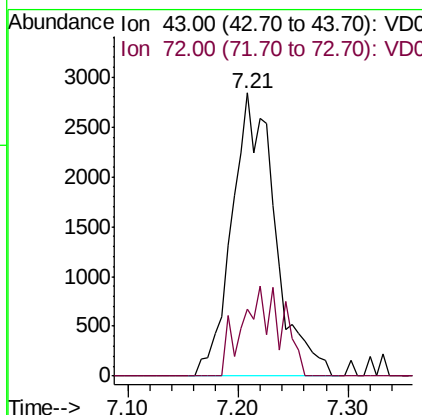
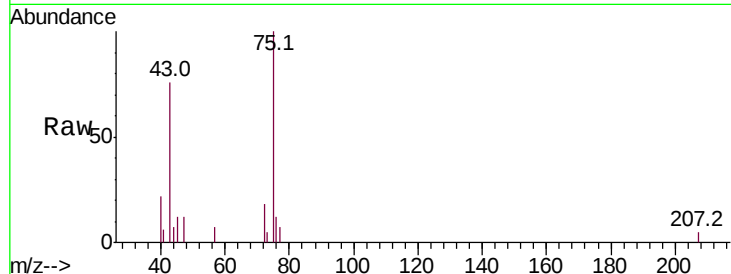




#25
 2-Butanone
 Concen: 221.385 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD067308.D
 Acq: 19 Oct 2020 14:51

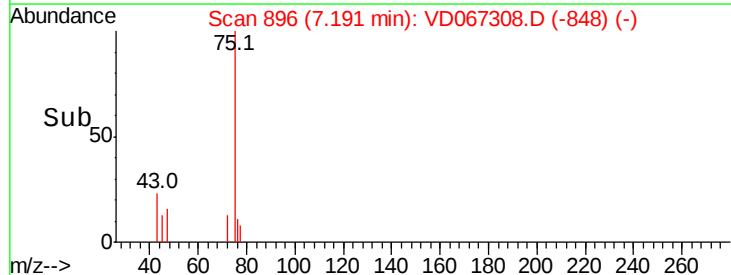
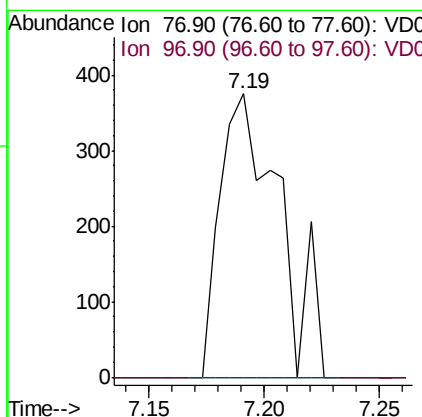
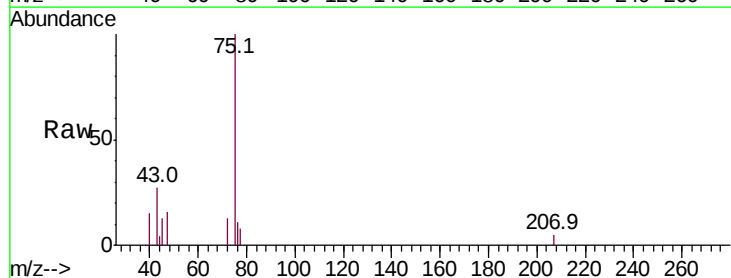
Instrument :
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 ClientSampleId :
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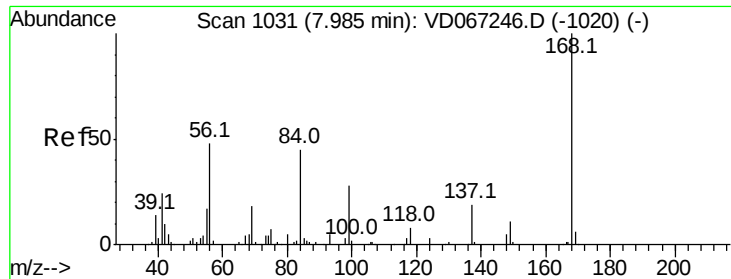
Tot Ion: 43 Resp: 7811
 Ion Ratio Lower Upper
 43 100
 72 23.5 23.7 35.5#



#26
 2,2-Dichloropropane
 Concen: 2.006 ug/l
 RT: 7.19 min Scan# 896
 Delta R.T. -0.02 min
 Lab File: VD067308.D
 Acq: 19 Oct 2020 14:51

Tgt Ion: 77 Resp: 674
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.4 34.2#

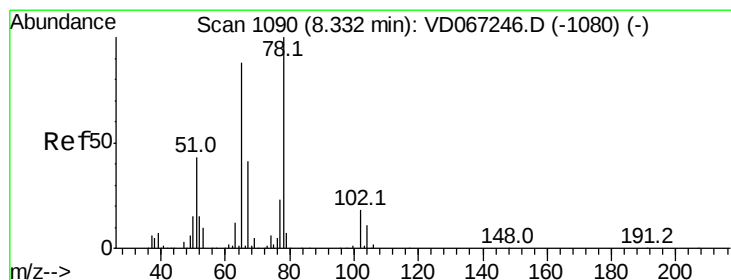
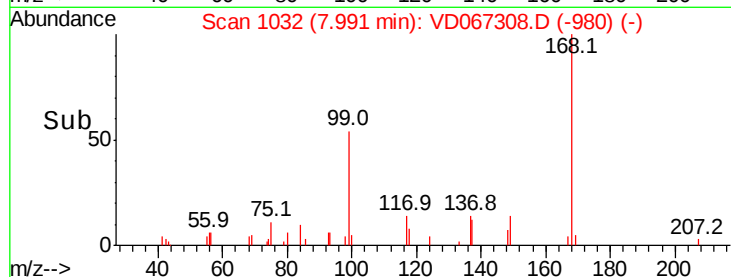
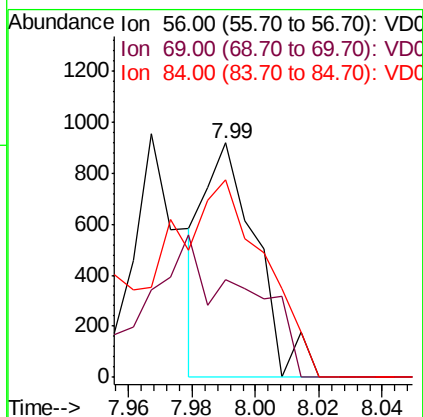
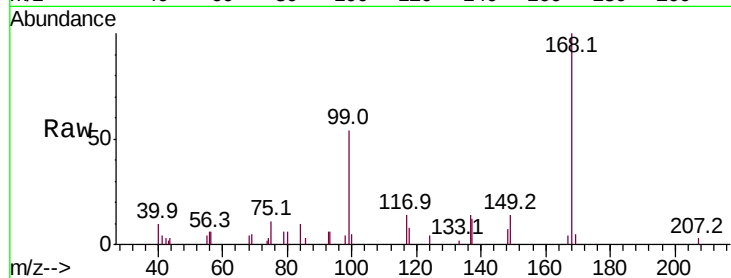




#31
Cyclohexane
Concen: 4.097 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD067308.D
Acq: 19 Oct 2020 14:51

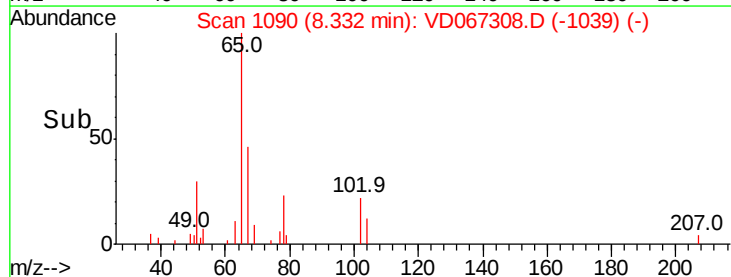
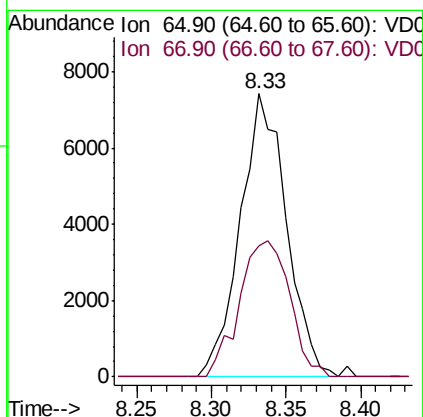
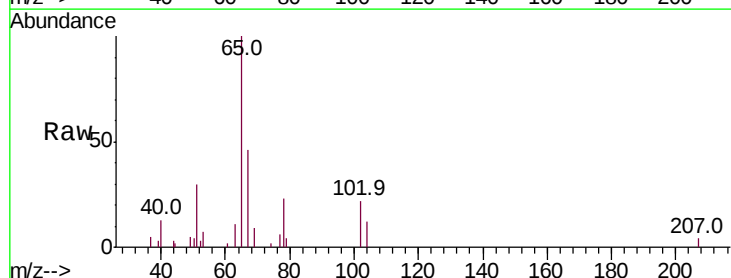
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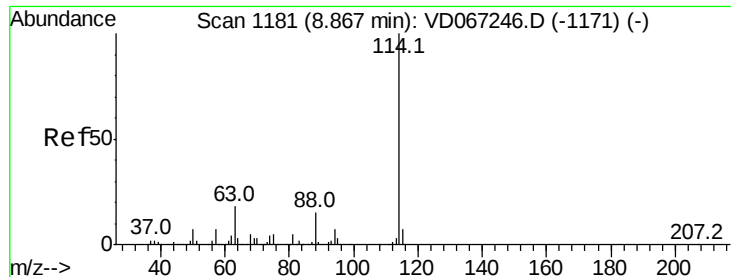
Tot Ion: 56 Resp: 1043
Ion Ratio Lower Upper
56 100
69 41.6 29.8 44.6
84 84.1 76.6 114.8



#33
1,2-Dichloroethane-d4
Concen: 71.979 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067308.D
Acq: 19 Oct 2020 14:51

Tgt Ion: 65 Resp: 15908
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.8

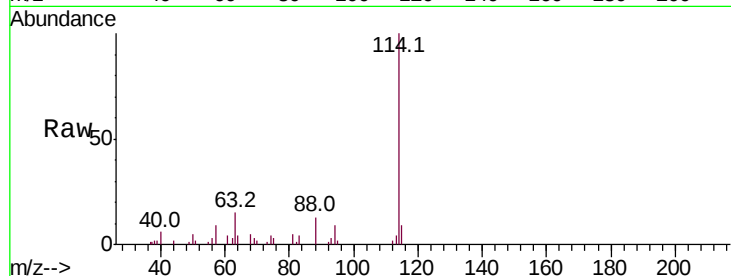




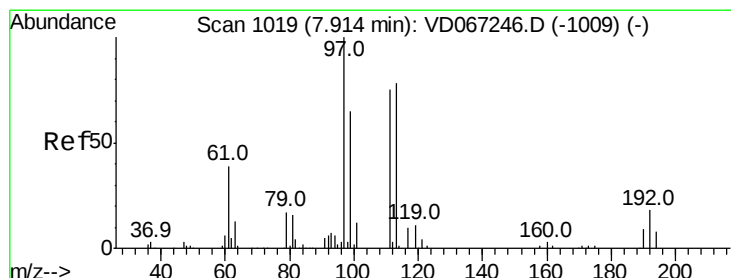
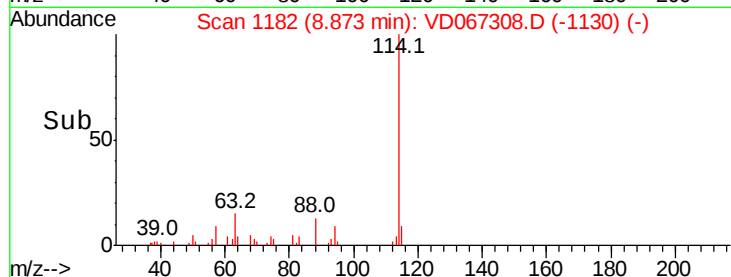
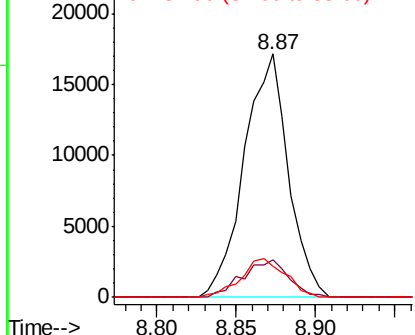
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD067308.D
Acq: 19 Oct 2020 14:51

Instrument :
MSVOA_D
ClientSampleId :
16757-S

Tot Ion:114 Resp: 33135
Ion Ratio Lower Upper
114 100
63 15.4 0.0 35.0
88 12.7 0.0 30.6

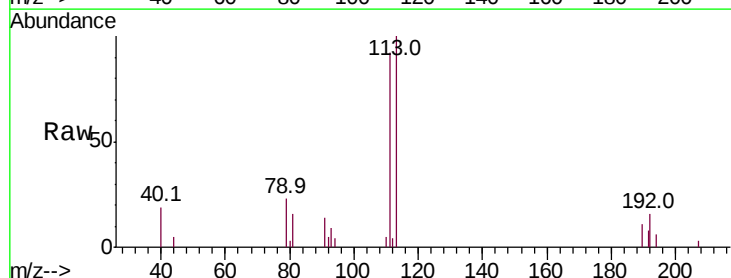


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

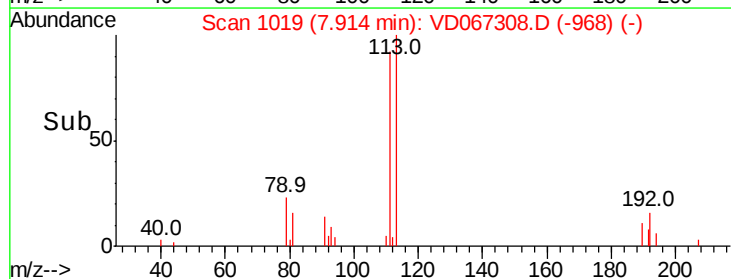
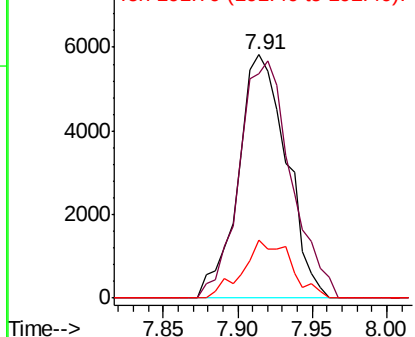


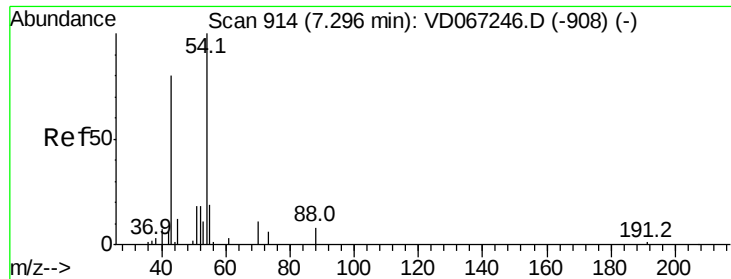
#35
Dibromofluoromethane
Concen: 59.339 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067308.D
Acq: 19 Oct 2020 14:51

Tgt Ion:113 Resp: 13085
Ion Ratio Lower Upper
113 100
111 104.4 81.6 122.4
192 23.6 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

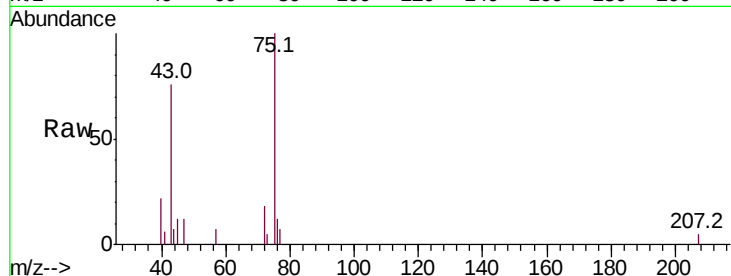




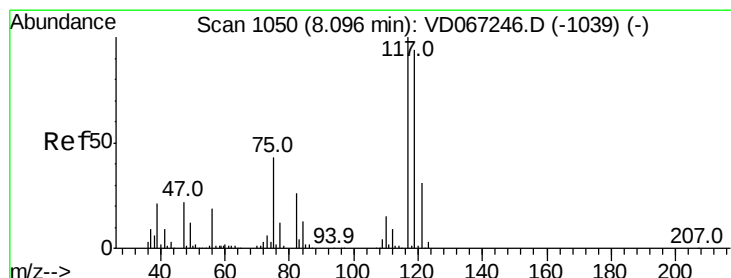
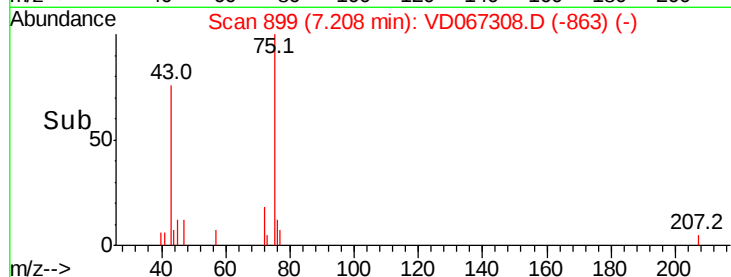
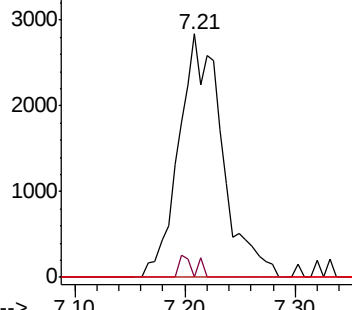
#37
Ethyl Acetate
Concen: 94.532 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.09 min
Lab File: VD067308.D
Acq: 19 Oct 2020 14:51

Instrument :
MSVOA_D
ClientSampleId :
16757-S

Tot Ion: 43 Resp: 7811
Ion Ratio Lower Upper
43 100
61 3.2 15.6 23.4#
70 0.0 10.4 15.6#

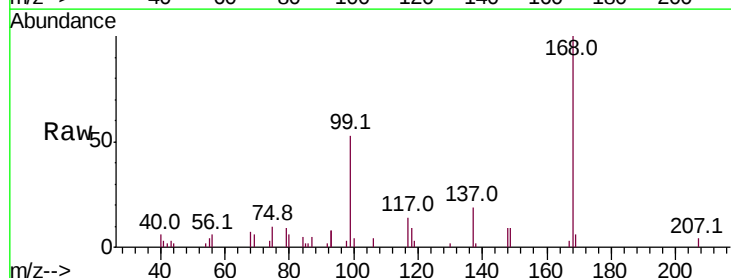


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

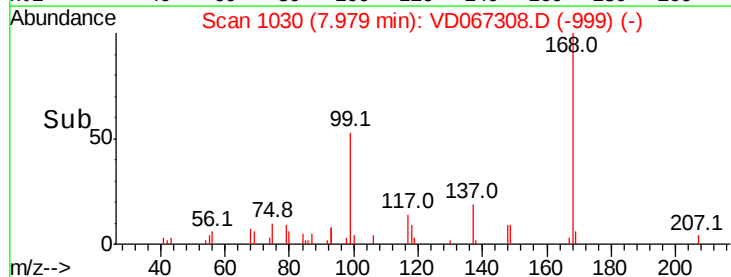
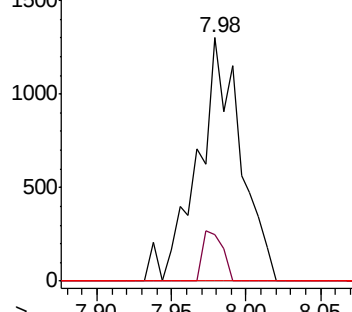


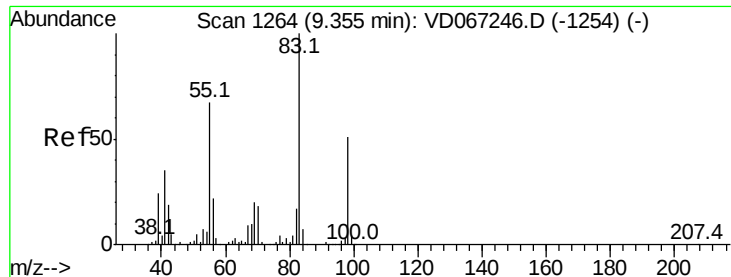
#38
Carbon Tetrachloride
Concen: 7.260 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD067308.D
Acq: 19 Oct 2020 14:51

Tgt Ion: 117 Resp: 2606
Ion Ratio Lower Upper
117 100
119 19.3 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

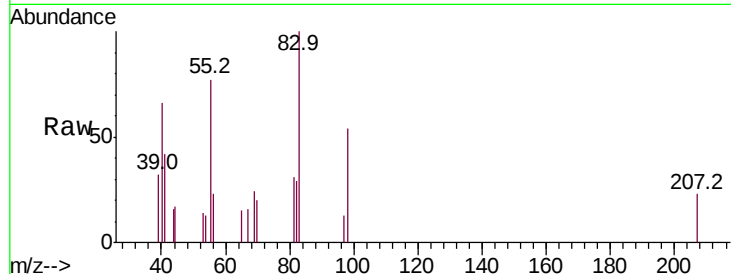




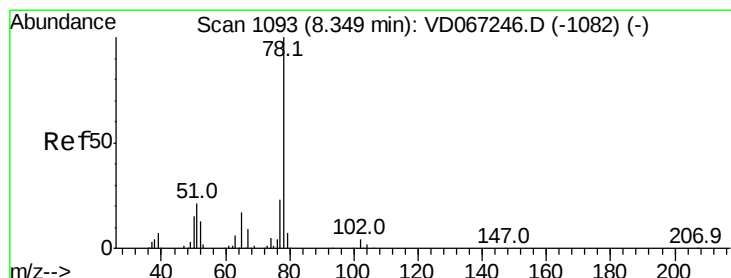
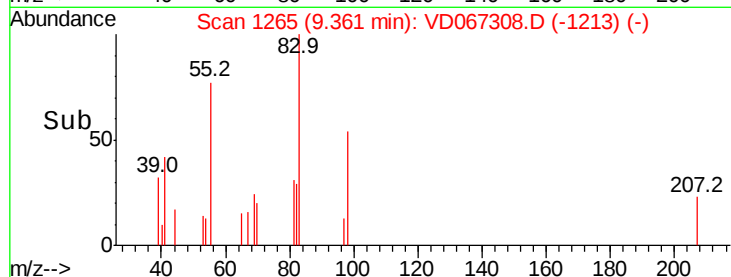
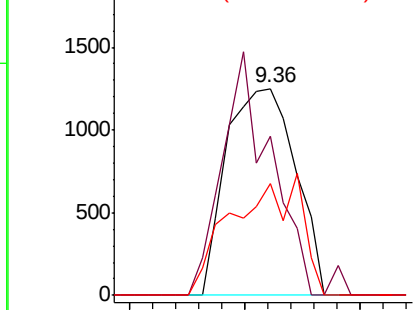
#39
Methvlcvclohexane
Concen: 8.879 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD067308.D
Acq: 19 Oct 2020 14:51

Instrument :
MSVOA_D
ClientSampleId :
16757-S

Tot Ion: 83 Resp: 2607
Ion Ratio Lower Upper
83 100
55 76.7 53.3 79.9
98 54.0 41.0 61.4

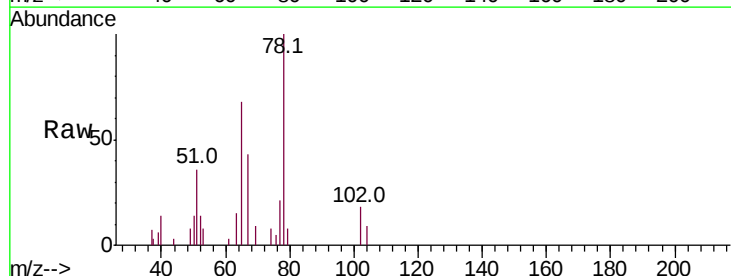


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

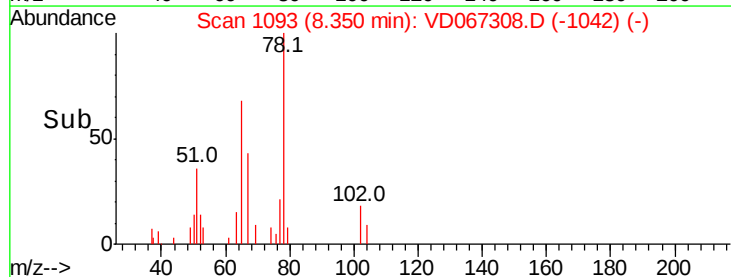
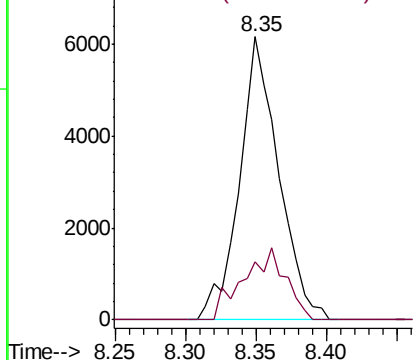


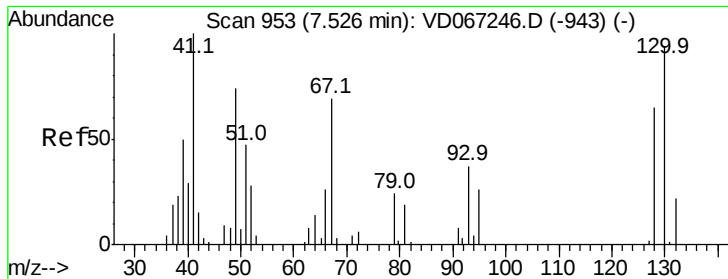
#40
Benzene
Concen: 15.549 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067308.D
Acq: 19 Oct 2020 14:51

Tgt Ion: 78 Resp: 11980
Ion Ratio Lower Upper
78 100
77 20.6 18.3 27.5



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

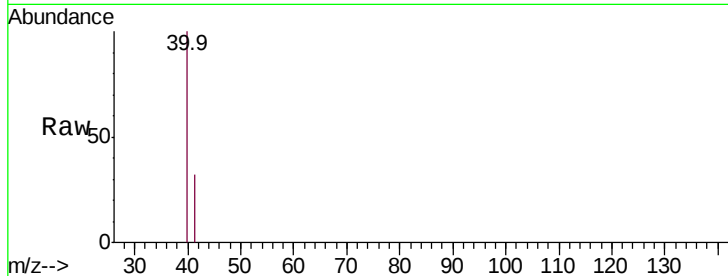




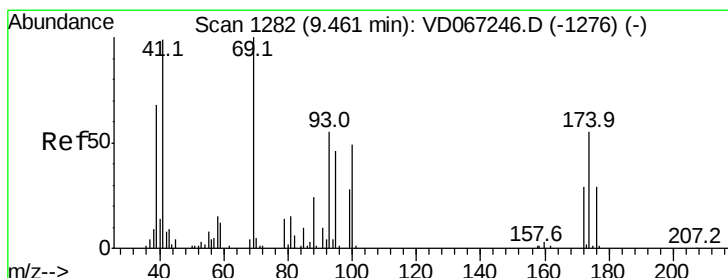
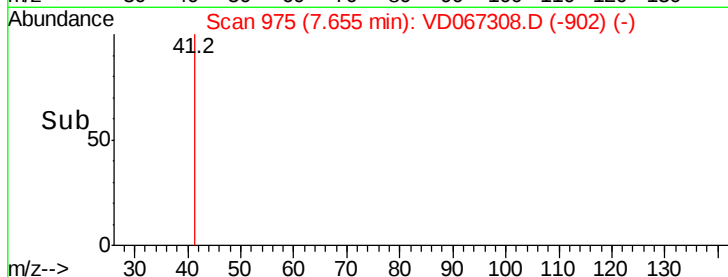
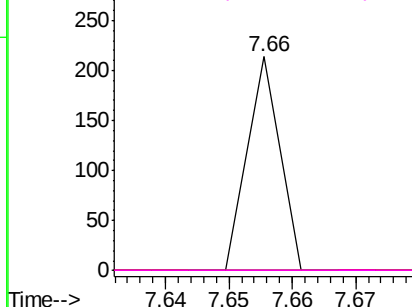
#41
Methacrylonitrile
Concen: 1.702 ug/l
RT: 7.66 min Scan# 975
Delta R.T. 0.13 min
Lab File: VD067308.D
Acq: 19 Oct 2020 14:51

Instrument :
MSVOA_D
ClientSampleId :
16757-S

Tot Ion: 41 Resp: 76
Ion Ratio Lower Upper
41 100
39 0.0 60.0 90.0#
67 0.0 88.9 133.3#
52 0.0 36.9 55.3#

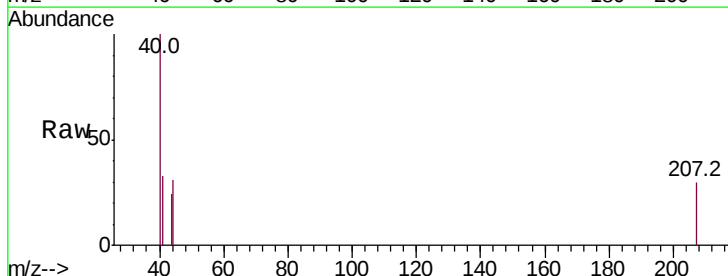


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

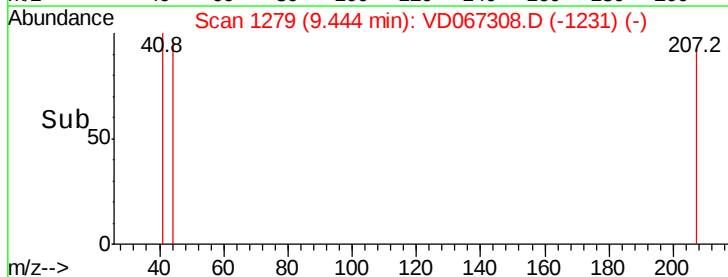
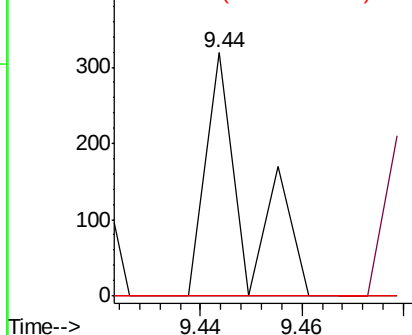


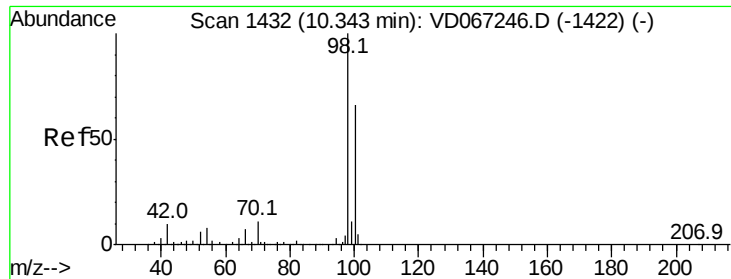
#48
Methyl methacrylate
Concen: 2.159 ug/l
RT: 9.44 min Scan# 1279
Delta R.T. -0.02 min
Lab File: VD067308.D
Acq: 19 Oct 2020 14:51

Tgt Ion: 41 Resp: 172
Ion Ratio Lower Upper
41 100
69 0.0 89.0 133.6#
39 0.0 60.2 90.2#



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

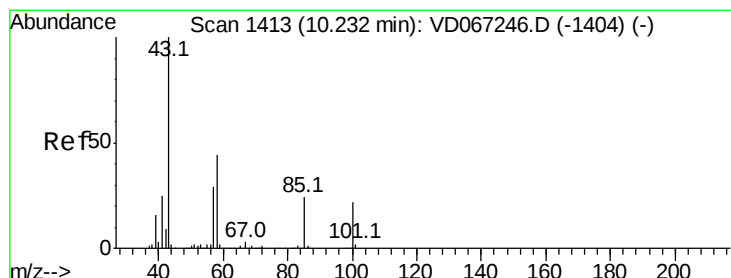
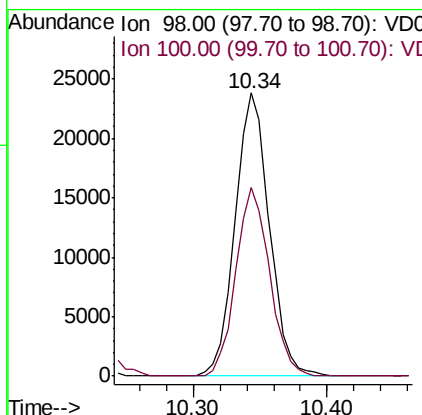
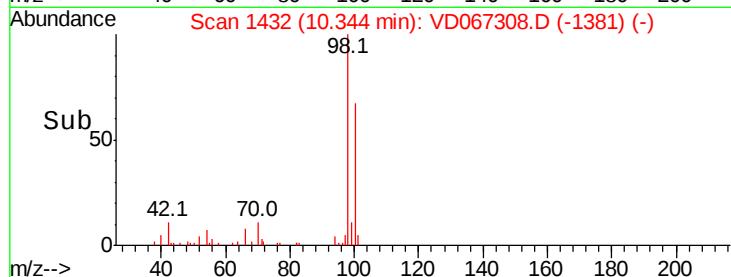
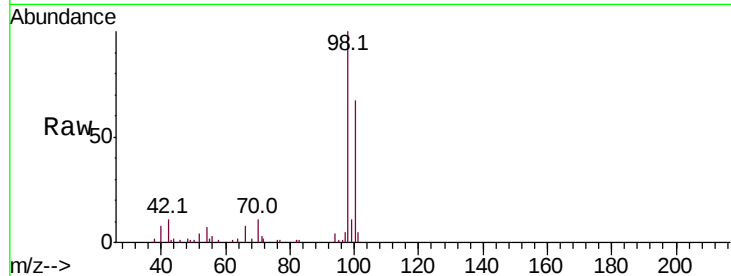




#50
Toluene-d8
Concen: 52.944 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067308.D
Acq: 19 Oct 2020 14:51

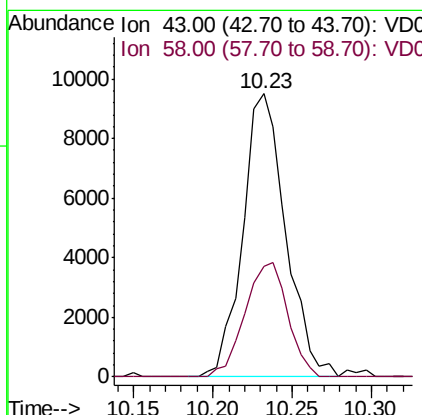
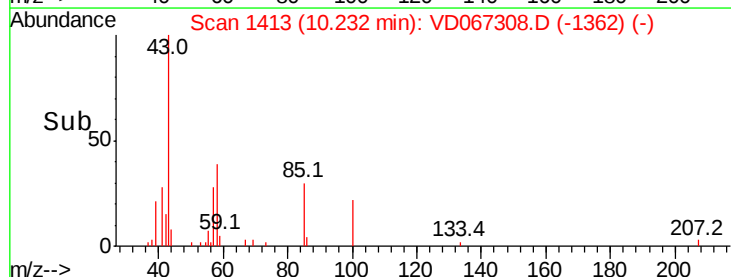
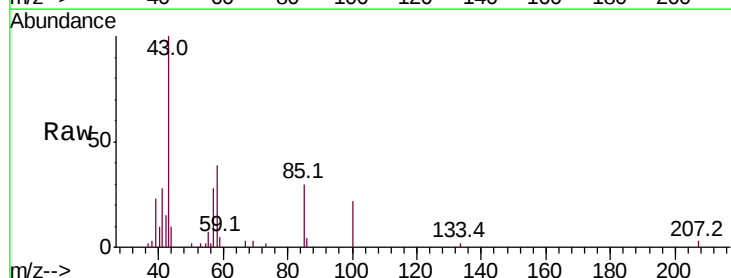
Instrument :
MSVOA_D
ClientSampleId :
16757-S

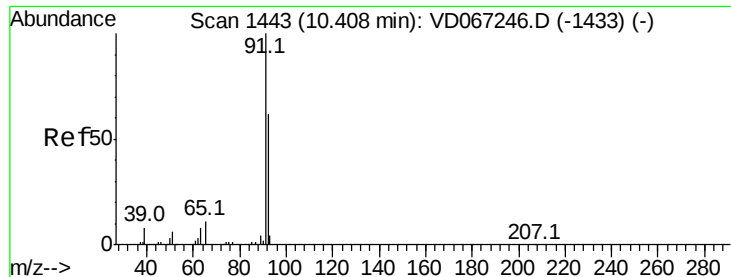
Tot Ion: 98 Resp: 42250
Ion Ratio Lower Upper
98 100
100 65.7 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 218.009 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD067308.D
Acq: 19 Oct 2020 14:51

Tgt Ion: 43 Resp: 17828
Ion Ratio Lower Upper
43 100
58 40.4 35.7 53.5





#52

Toluene

Concen: 46.160 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067308.D

Acq: 19 Oct 2020 14:51

Instrument :

MSVOA_D

ClientSampleId :

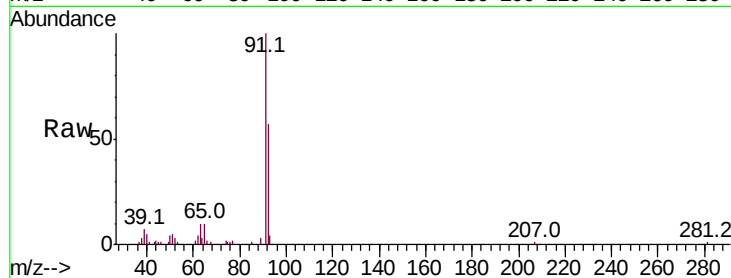
16757-S

Tot Ion: 92 Resp: 24223

Ion Ratio Lower Upper

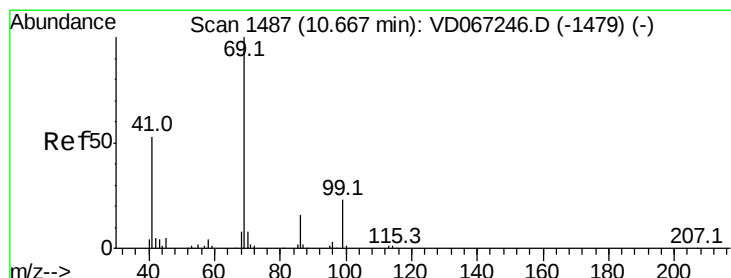
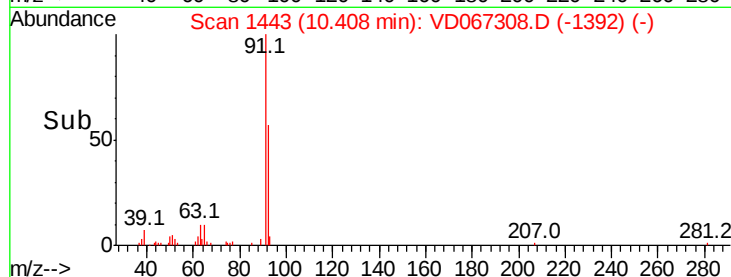
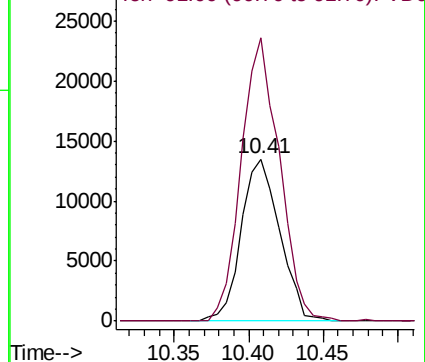
92 100

91 172.8 133.8 200.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#56

Ethyl methacrylate

Concen: 2.924 ug/l

RT: 10.68 min Scan# 1490

Delta R.T. 0.02 min

Lab File: VD067308.D

Acq: 19 Oct 2020 14:51

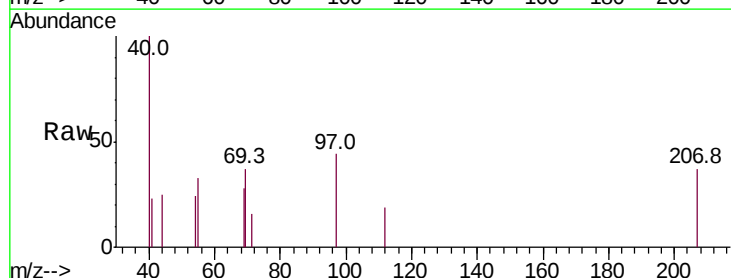
Tgt Ion: 69 Resp: 460

Ion Ratio Lower Upper

69 100

41 0.0 44.7 67.1#

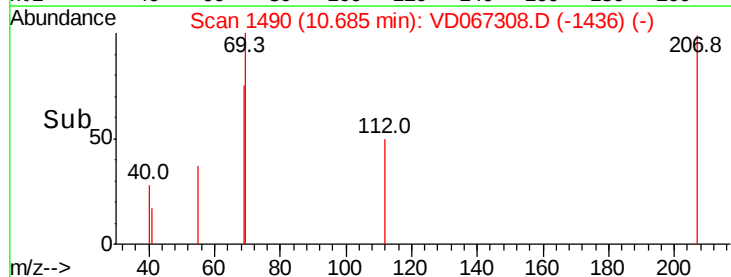
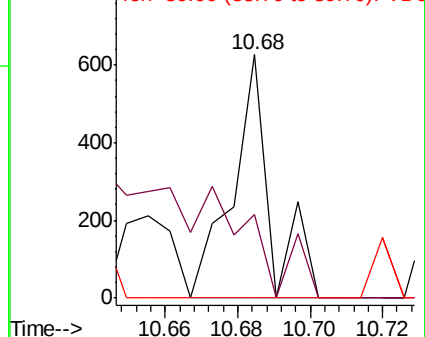
39 0.0 26.2 39.2#

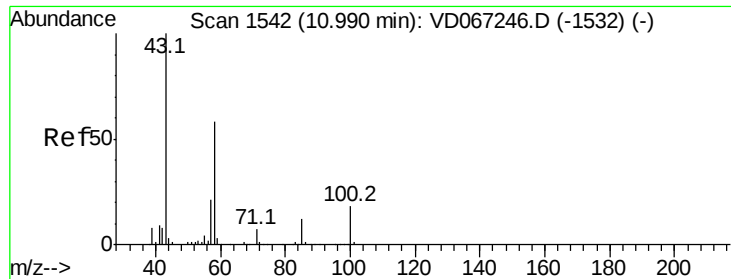


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

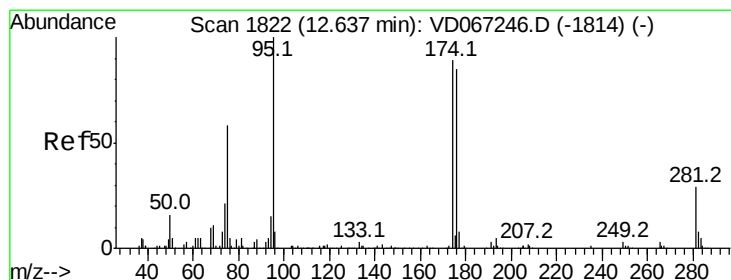
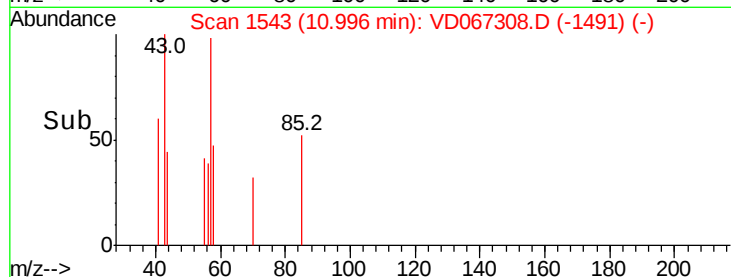
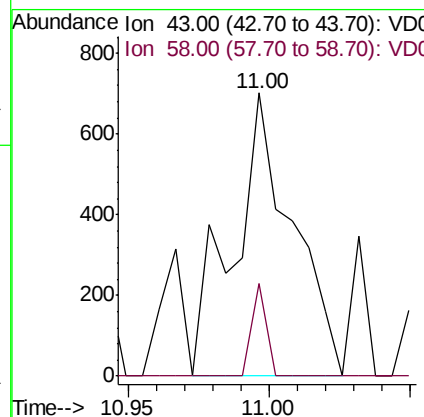
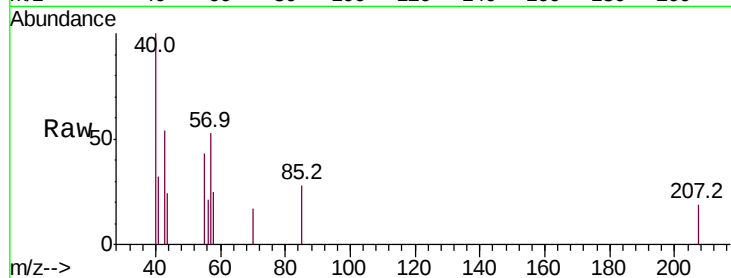




#59
2-Hexanone
Concen: 18.343 ug/l
RT: 11.00 min Scan# 1543
Delta R.T. 0.01 min
Lab File: VD067308.D
Acq: 19 Oct 2020 14:51

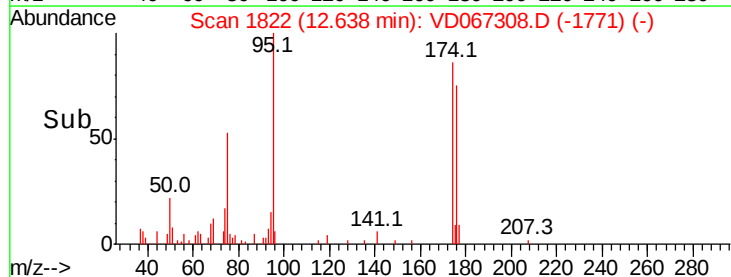
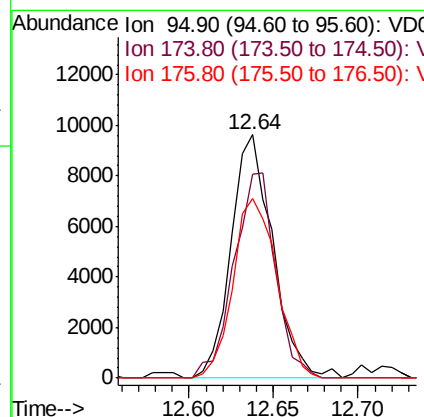
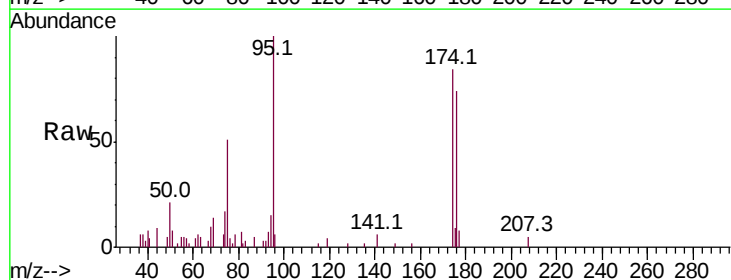
Instrument :
MSVOA_D
ClientSampleId :
16757-S

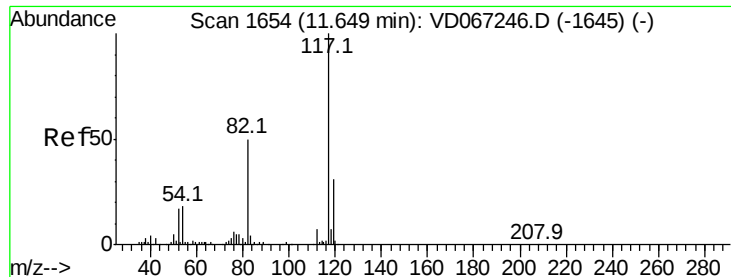
Tot Ion: 43 Resp: 1025
Ion Ratio Lower Upper
43 100
58 8.0 29.3 87.9#



#62
4-Bromofluorobenzene
Concen: 59.638 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067308.D
Acq: 19 Oct 2020 14:51

Tgt Ion: 95 Resp: 16549
Ion Ratio Lower Upper
95 100
174 83.9 0.0 175.2
176 77.3 0.0 168.6

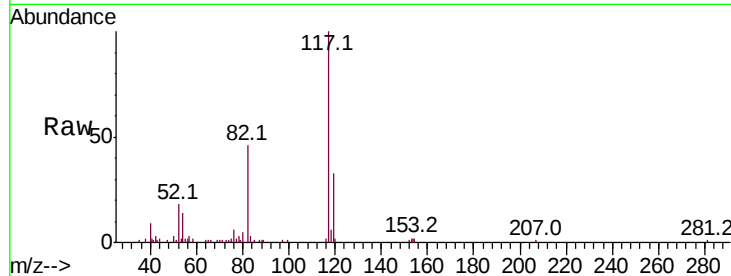




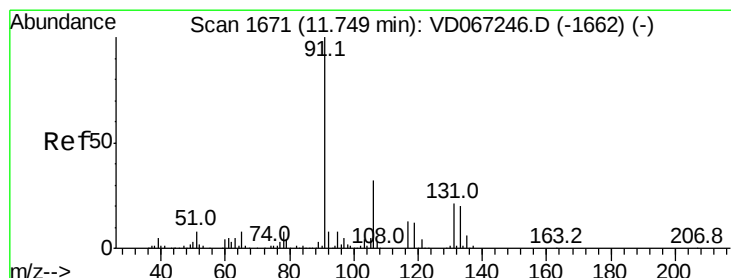
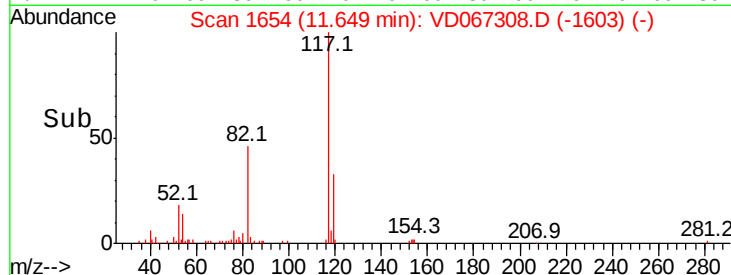
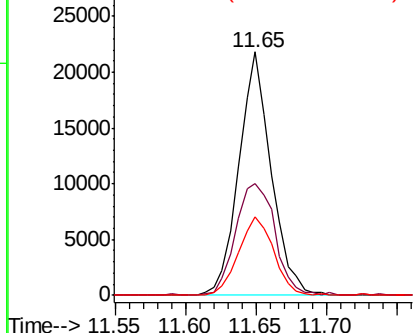
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067308.D
Acq: 19 Oct 2020 14:51

Instrument :
MSVOA_D
ClientSampleId :
16757-S

Tot Ion:117 Resp: 34913
Ion Ratio Lower Upper
117 100
82 46.1 39.9 59.9
119 32.5 24.9 37.3

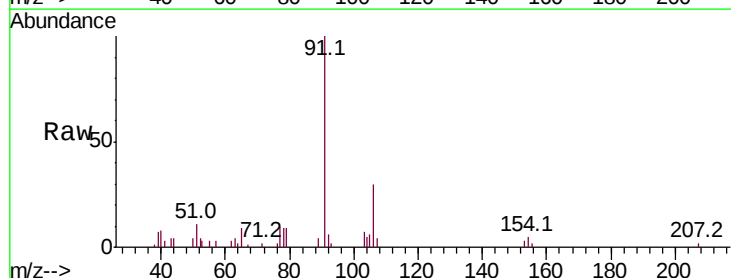


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VDC
Ion 118.90 (118.60 to 119.60): V

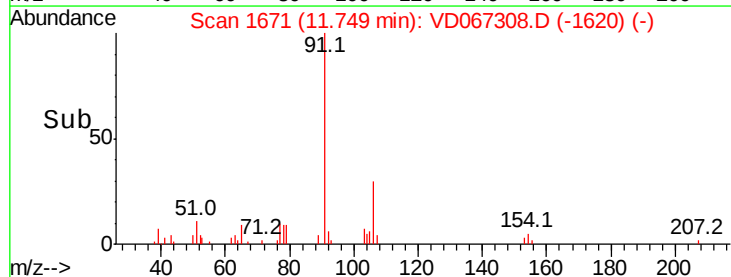
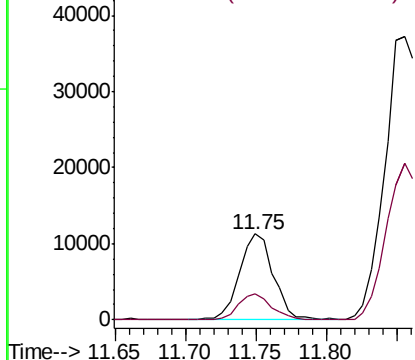


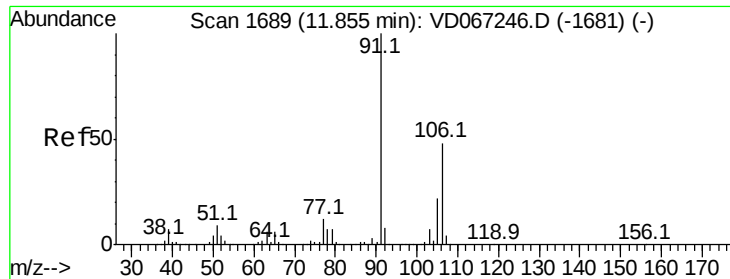
#67
Ethyl Benzene
Concen: 16.595 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067308.D
Acq: 19 Oct 2020 14:51

Tgt Ion: 91 Resp: 19045
Ion Ratio Lower Upper
91 100
106 29.8 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 83.987 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067308.D

Acq: 19 Oct 2020 14:51

Instrument :

MSVOA_D

ClientSampleId :

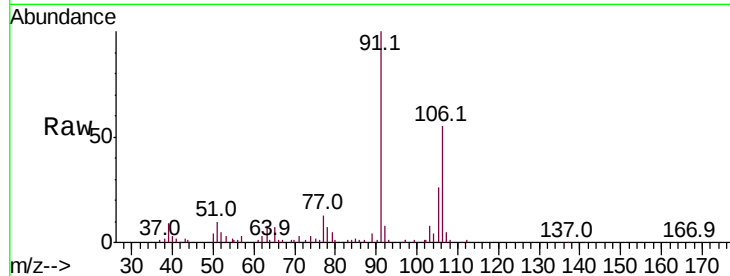
16757-S

Tot Ion:106 Resp: 37117

Ion Ratio Lower Upper

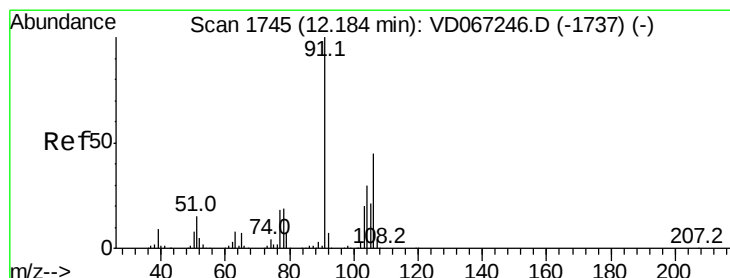
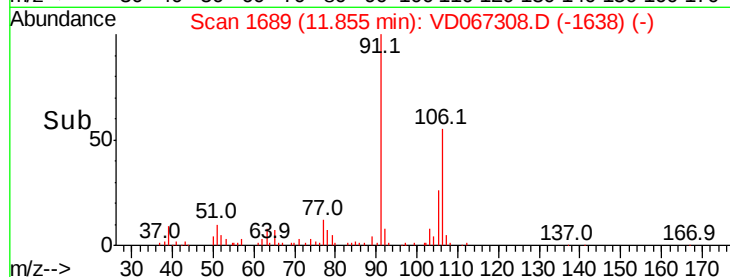
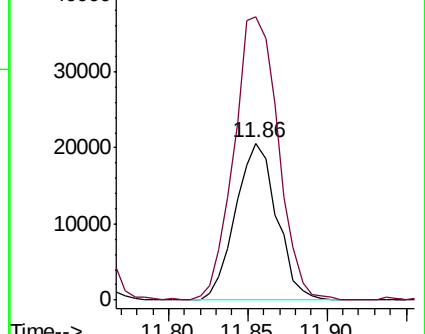
106 100

91 194.4 163.8 245.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC



#69

o-Xylene

Concen: 59.012 ug/l

RT: 12.19 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VD067308.D

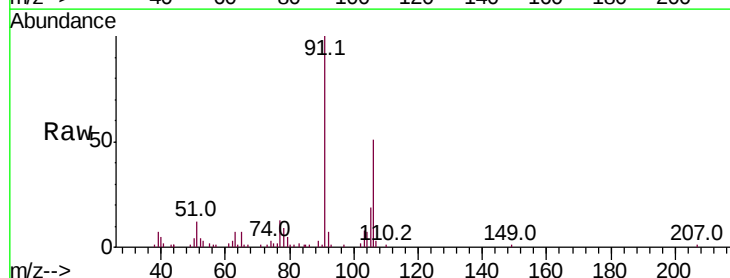
Acq: 19 Oct 2020 14:51

Tgt Ion:106 Resp: 24150

Ion Ratio Lower Upper

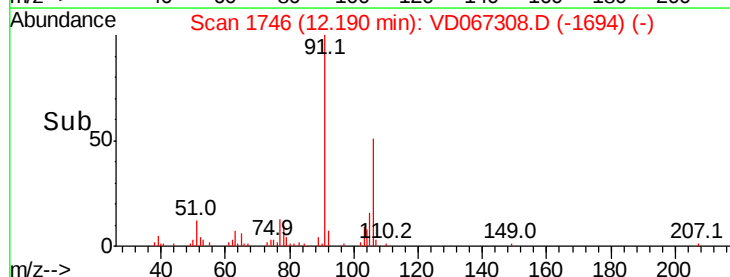
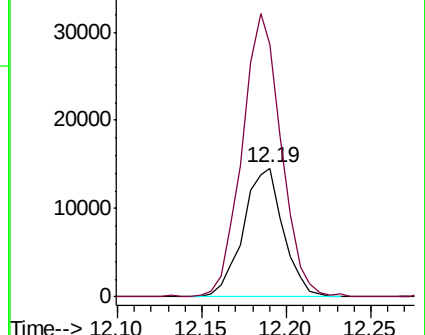
106 100

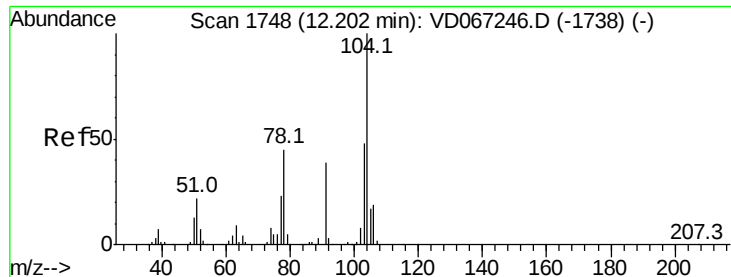
91 214.4 109.1 327.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC





#70

Stvrene

Concen: 6.376 ug/l

RT: 12.20 min Scan# 1747

Delta R.T. -0.01 min

Lab File: VD067308.D

Acq: 19 Oct 2020 14:51

Instrument :

MSVOA_D

ClientSampleId :

16757-S

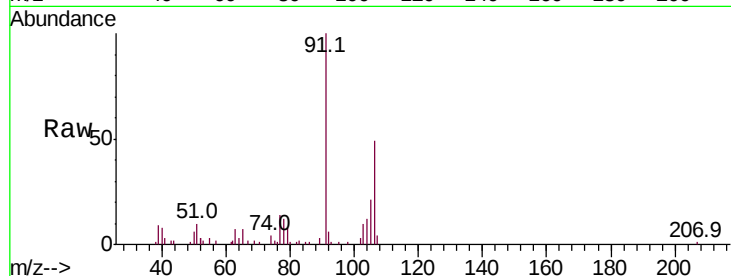
Tot Ion:104 Resp: 4492

Ion Ratio Lower Upper

104 100

78 117.4 39.8 59.6#

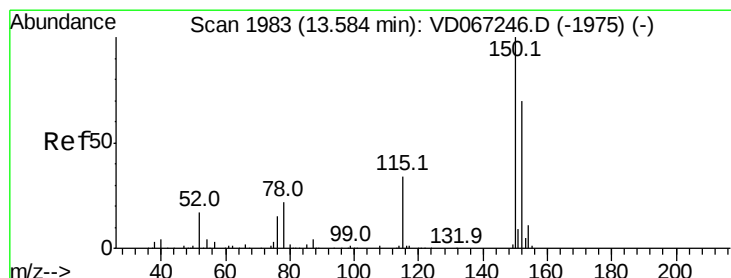
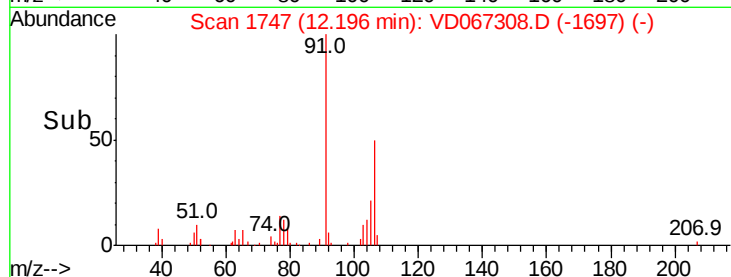
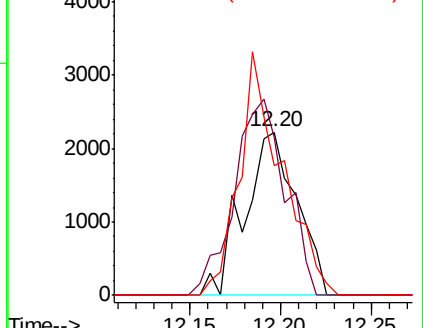
103 120.7 42.6 64.0#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD067308.D

Acq: 19 Oct 2020 14:51

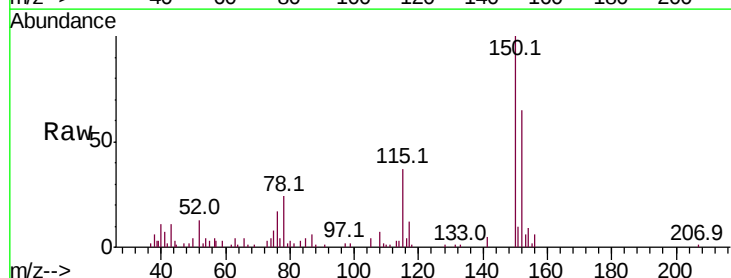
Tgt Ion:152 Resp: 16801

Ion Ratio Lower Upper

152 100

115 71.6 29.3 87.9

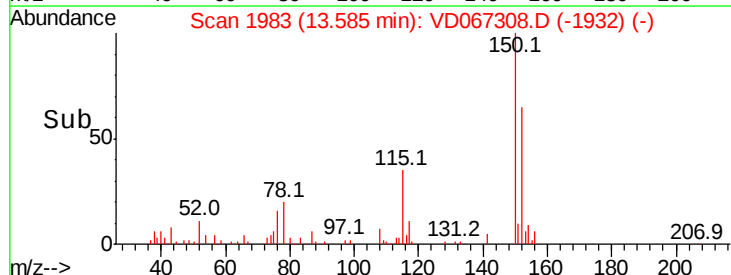
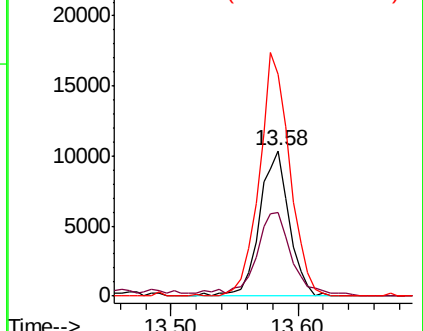
150 171.8 0.0 339.0

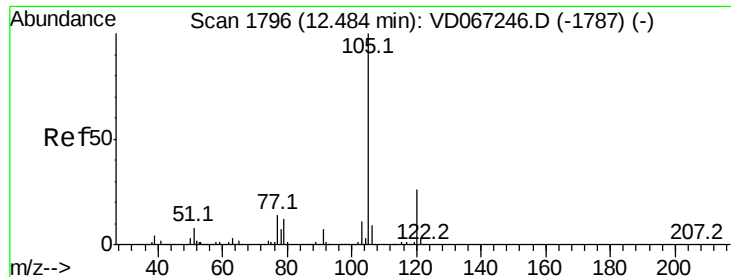


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 2.736 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.01 min

Lab File: VD067308.D

Acq: 19 Oct 2020 14:51

Instrument :

MSVOA_D

ClientSampleId :

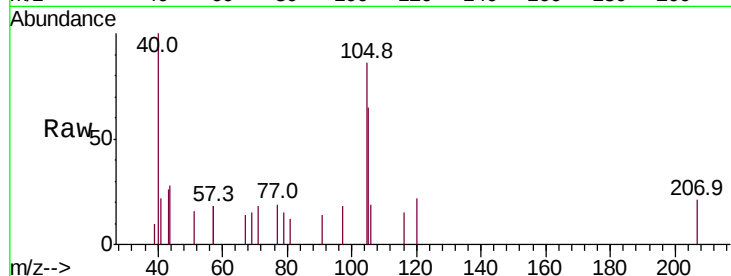
16757-S

Tot Ion:105 Resp: 2917

Ion Ratio Lower Upper

105 100

120 22.9 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2500

2000

1500

1000

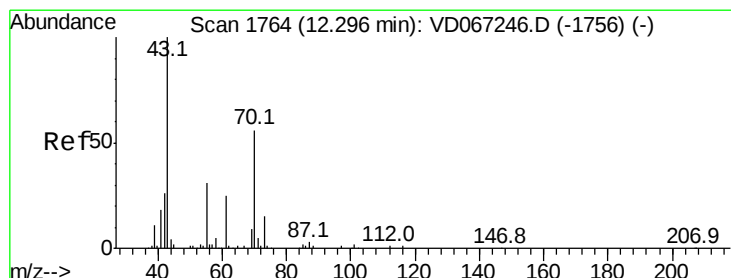
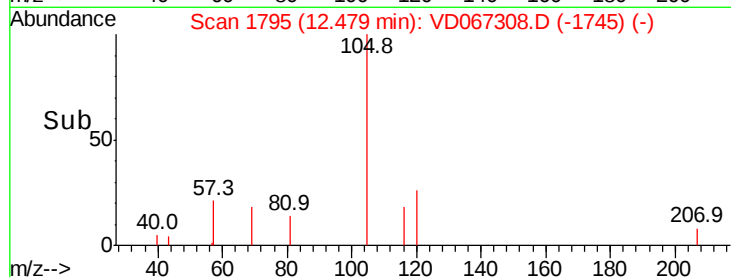
500

0

12.45

12.50

Time-->



#74

N-ethyl acetate

Concen: 1.999 ug/l

RT: 12.31 min Scan# 1767

Delta R.T. 0.02 min

Lab File: VD067308.D

Acq: 19 Oct 2020 14:51

Tgt Ion: 43 Resp: 322

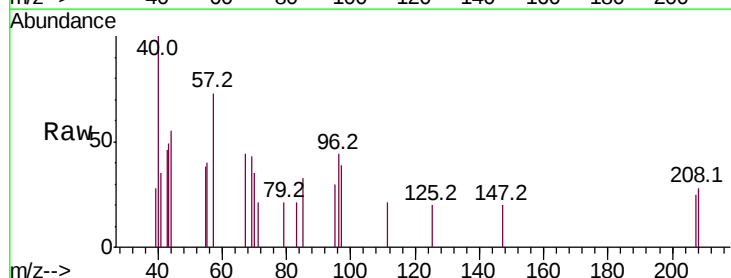
Ion Ratio Lower Upper

43 100

70 104.3 42.7 64.1#

55 200.6 24.0 36.0#

61 0.0 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

1000

800

600

400

200

0

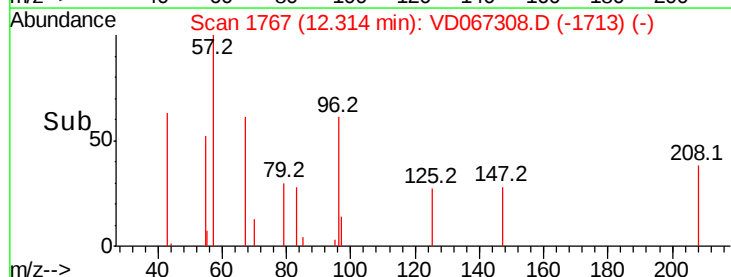
12.28

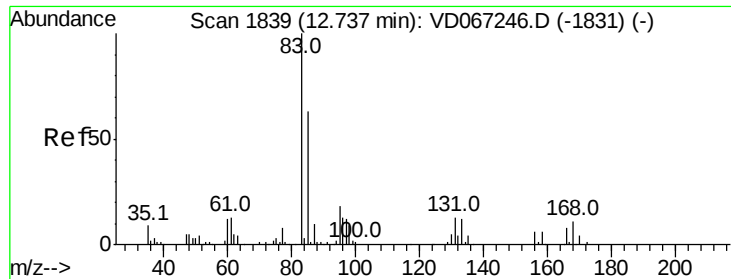
12.30

12.32

12.34

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 2.418 ug/l

RT: 12.76 min Scan# 1842

Delta R.T. 0.02 min

Lab File: VD067308.D

Acq: 19 Oct 2020 14:51

Instrument :

MSVOA_D

ClientSampleId :

16757-S

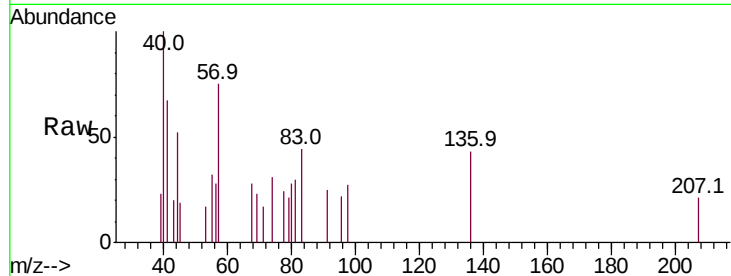
Tot Ion: 83 Resp: 395

Ion Ratio Lower Upper

83 100

131 0.0 6.5 19.5#

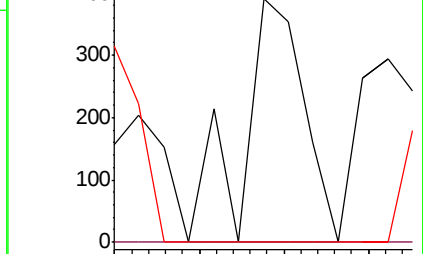
85 0.0 32.6 97.7#



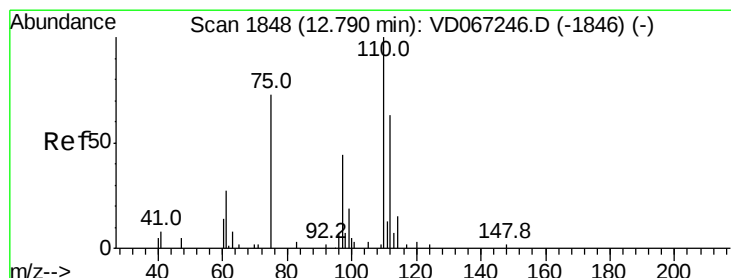
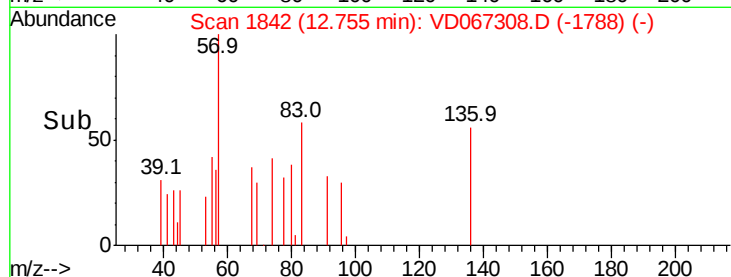
Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



Time--> 12.72 12.74 12.76 12.78



#76

1,2,3-Trichloropropane

Concen: 70.496 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067308.D

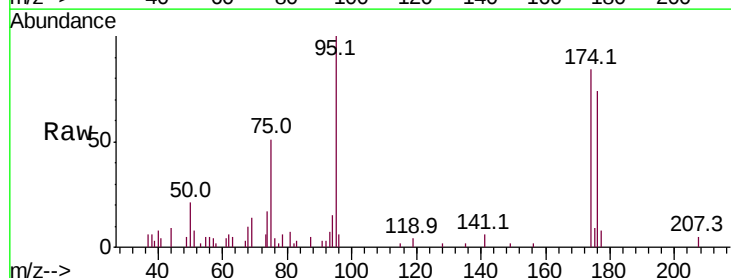
Acq: 19 Oct 2020 14:51

Tgt Ion: 75 Resp: 8209

Ion Ratio Lower Upper

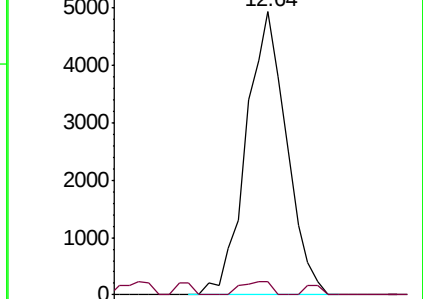
75 100

77 3.5 0.0 0.0#

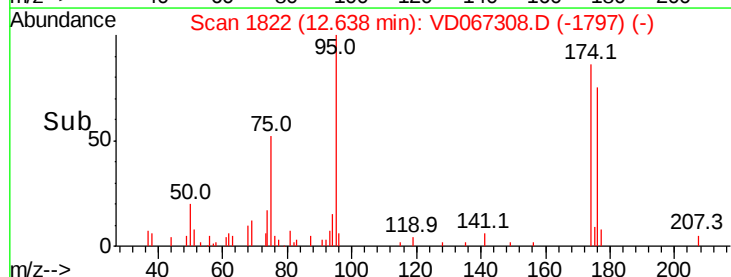


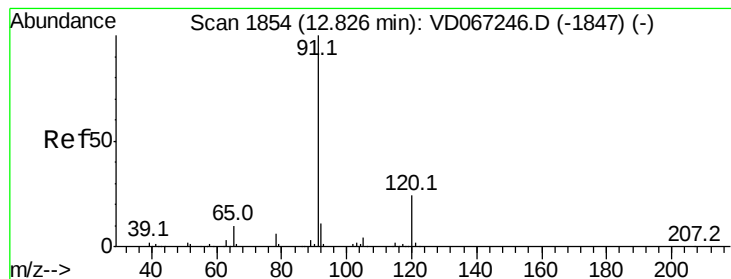
Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



Time--> 12.55 12.60 12.65 12.70





#78

n-propylbenzene

Concen: 3.617 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VD067308.D

Acq: 19 Oct 2020 14:51

Instrument :

MSVOA_D

ClientSampleId :

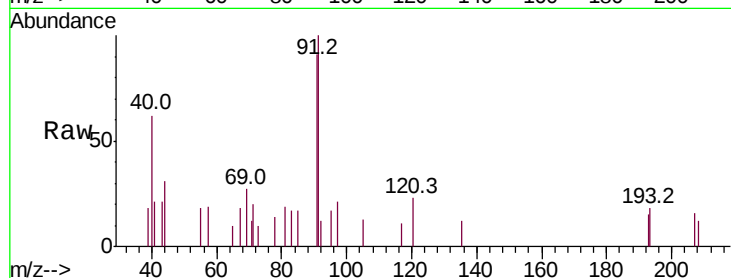
16757-S

Tot Ion: 91 Resp: 4468

Ion Ratio Lower Upper

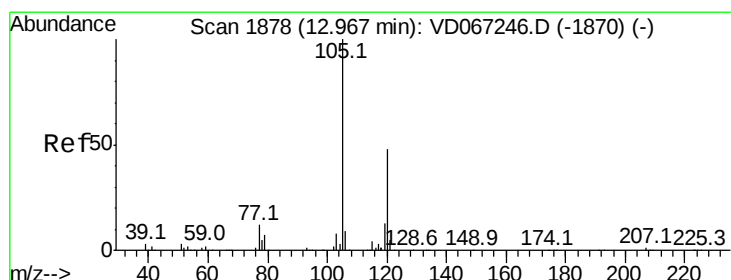
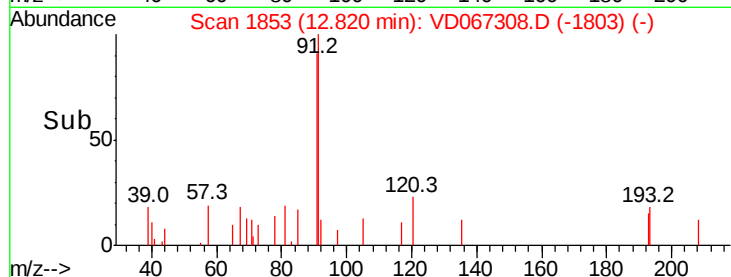
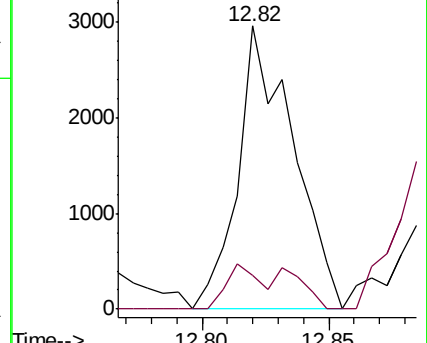
91 100

120 9.8 11.9 35.9#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 7.513 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.01 min

Lab File: VD067308.D

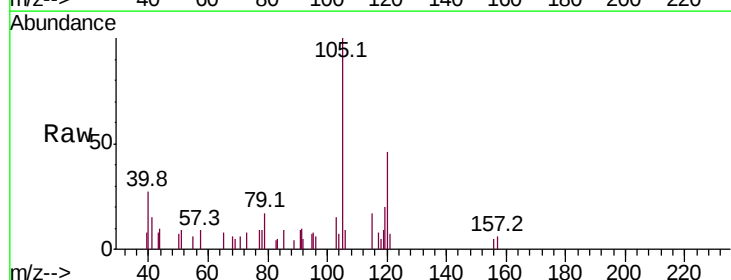
Acq: 19 Oct 2020 14:51

Tgt Ion: 105 Resp: 6962

Ion Ratio Lower Upper

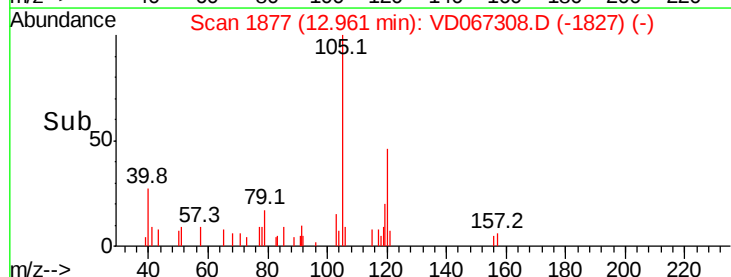
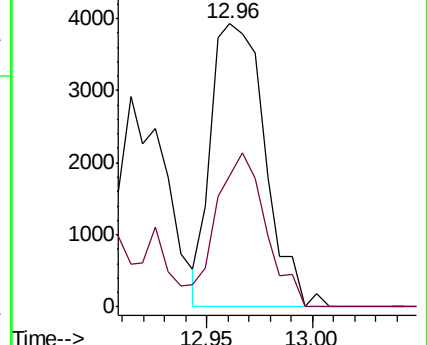
105 100

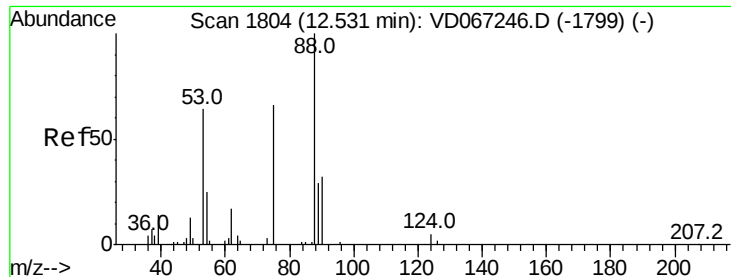
120 50.6 24.3 72.8



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: 159.863 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067308.D

Acq: 19 Oct 2020 14:51

Instrument :

MSVOA_D

ClientSampleId :

16757-S

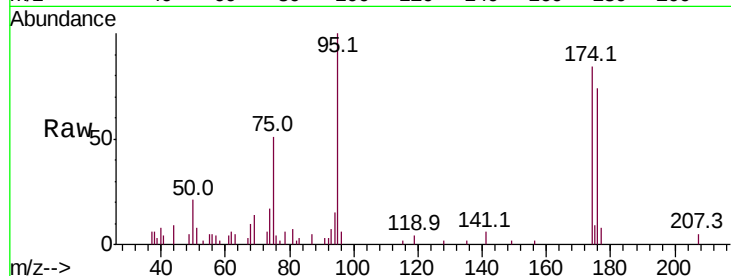
Tot Ion: 75 Resp: 8209

Ion Ratio Lower Upper

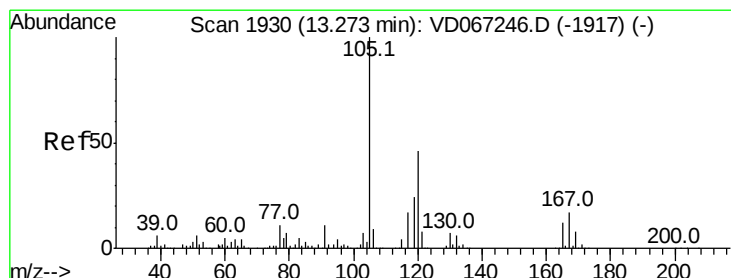
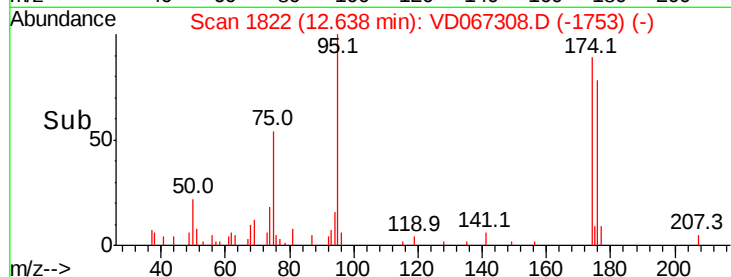
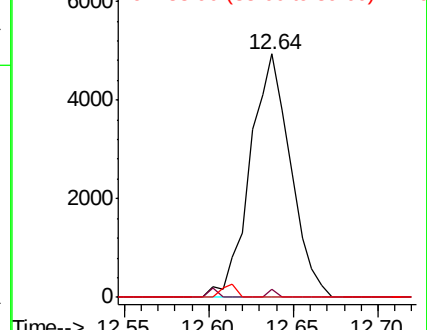
75 100

53 0.7 78.5 117.7#

89 0.0 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: 19.436 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD067308.D

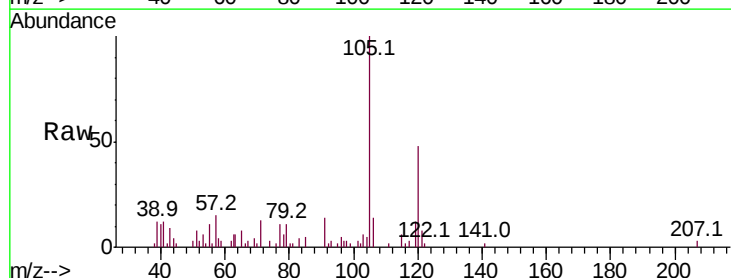
Acq: 19 Oct 2020 14:51

Tgt Ion: 105 Resp: 17800

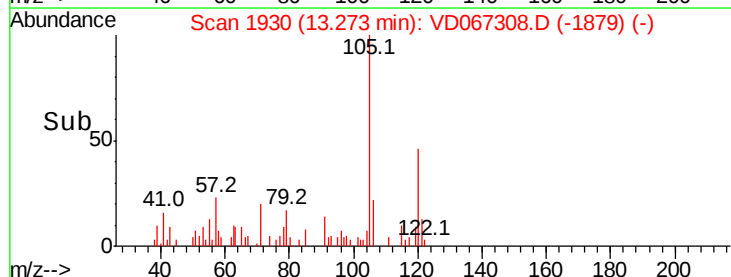
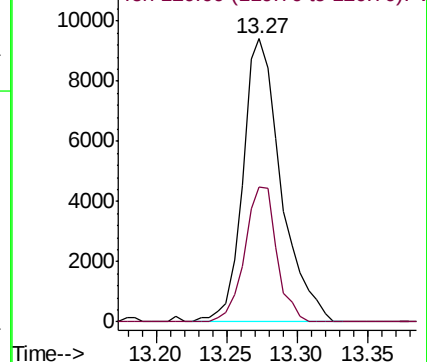
Ion Ratio Lower Upper

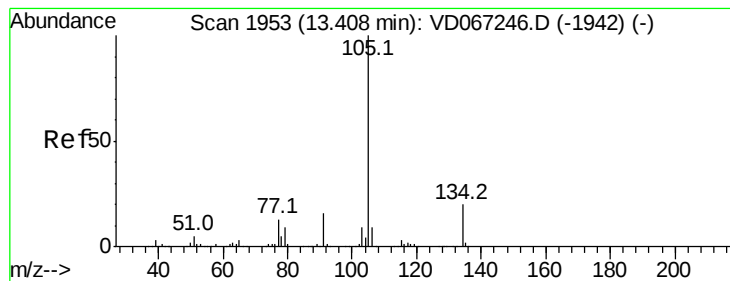
105 100

120 40.1 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: 1.032 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD067308.D

Acq: 19 Oct 2020 14:51

Instrument :

MSVOA_D

ClientSampleId :

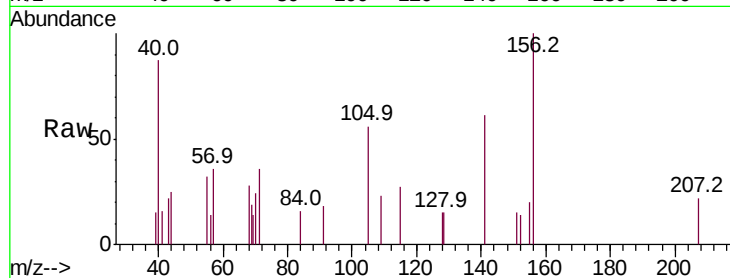
16757-S

Tot Ion:105 Resp: 1108

Ion Ratio Lower Upper

105 100

134 0.0 10.5 31.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

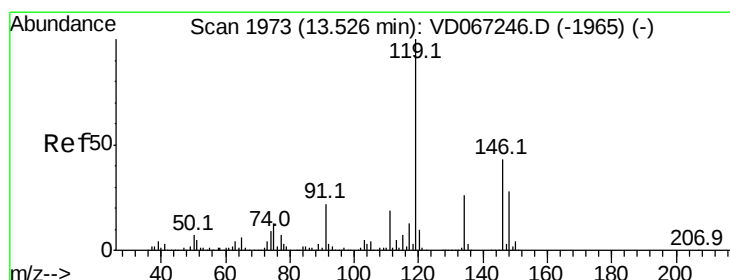
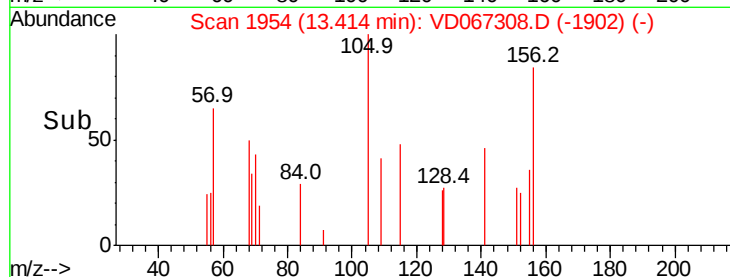
600

400

200

0

Time--> 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 1.097 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067308.D

Acq: 19 Oct 2020 14:51

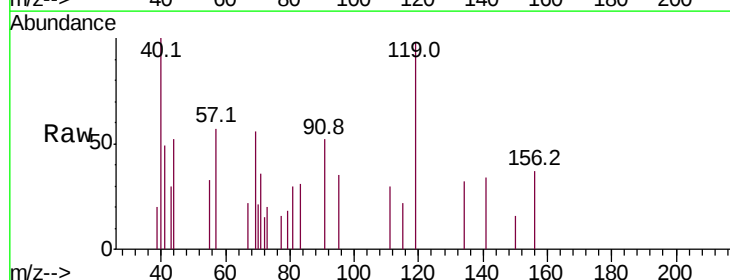
Tgt Ion:119 Resp: 1112

Ion Ratio Lower Upper

119 100

134 10.1 13.1 39.3#

91 69.4 11.9 35.9#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

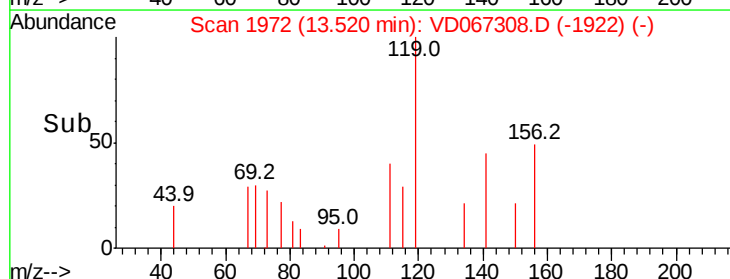
13.52

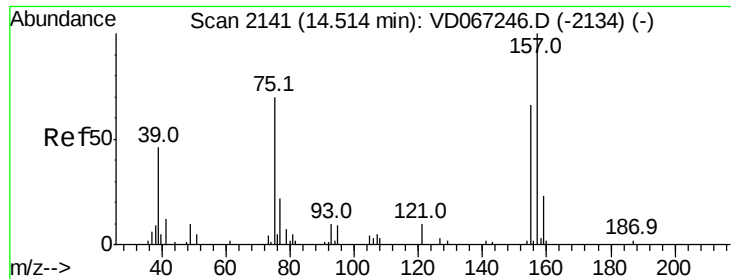
1000

500

0

Time--> 13.50 13.55





#92

1,2-Dibromo-3-Chloropropane

Concen: 5.188 ug/l

RT: 14.62 min Scan# 2159

Delta R.T. 0.11 min

Lab File: VD067308.D

Acq: 19 Oct 2020 14:51

Instrument :

MSVOA_D

ClientSampleId :

16757-S

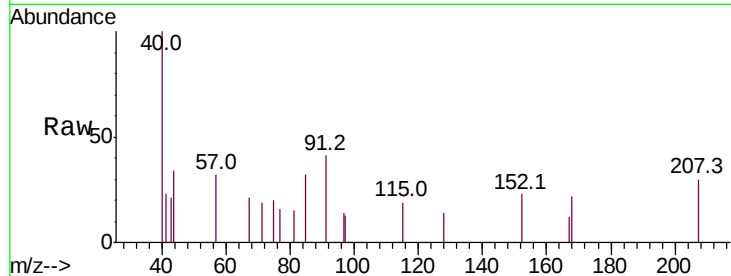
Tot Ion: 75 Resp: 154

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

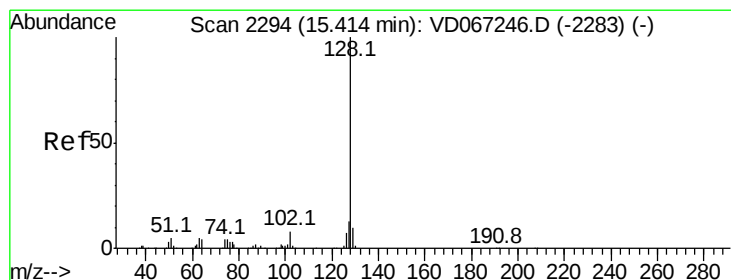
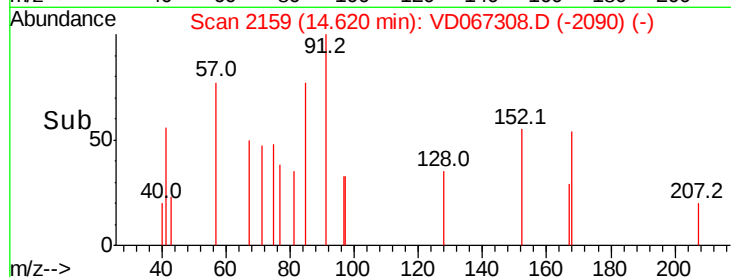
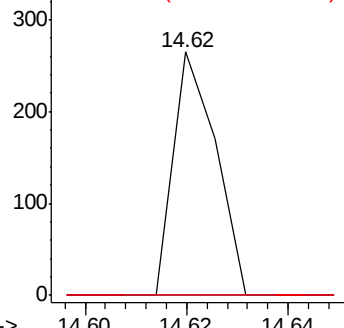
157 0.0 62.5 187.4#



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: 177.162 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD067308.D

Acq: 19 Oct 2020 14:51

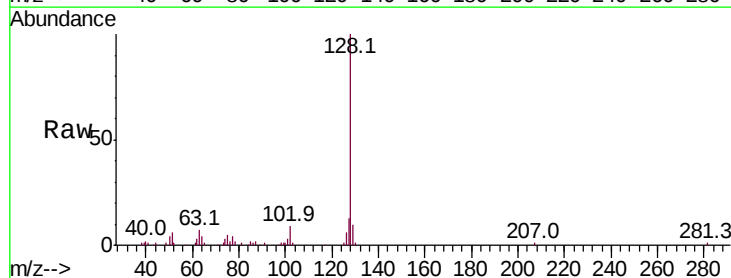
Tgt Ion:128 Resp: 87662

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

129 10.9 8.6 12.8



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

