

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112320\
 Data File : VD067755.D
 Acq On : 23 Nov 2020 19:32
 Operator : VA/SY
 Sample : L4873-01
 Misc : 5.76G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-01-112320

Quant Time: Nov 24 00:57:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:51:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	244399	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	375731	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	431813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	242761	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	117331	49.37	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.74%
35) Dibromofluoromethane	7.91	113	118195	49.43	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.86%
50) Toluene-d8	10.34	98	441897	50.55	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.10%
62) 4-Bromofluorobenzene	12.64	95	215483	72.11	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	144.22%#

Target Compounds

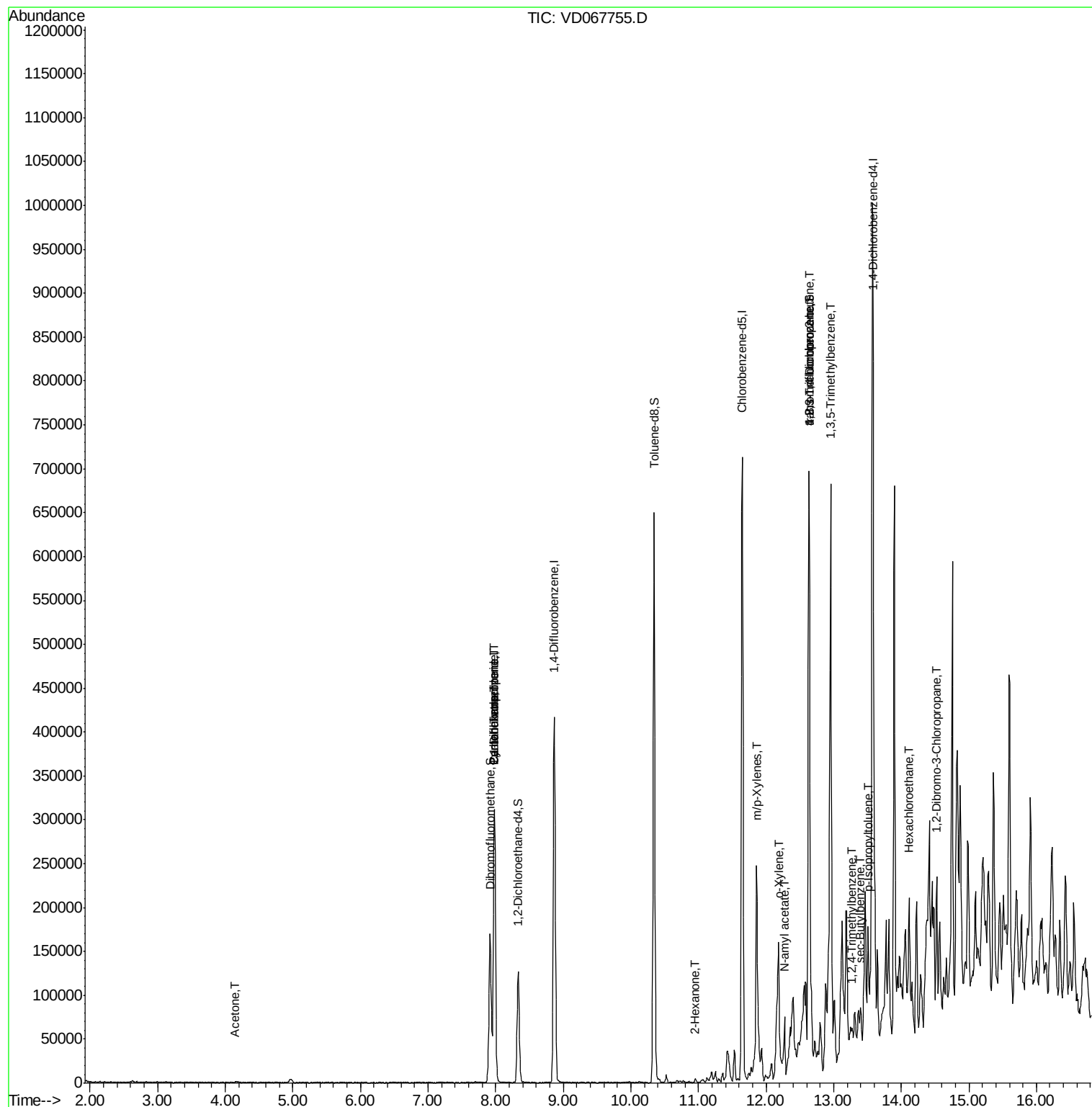
					Qvalue	
16) Acetone	4.16	43	2384	7.766	ug/l #	86
20) Methylene Chloride	4.99	84	3543	Below Cal	#	85
31) Cyclohexane	7.98	56	4537	1.578	ug/l #	8
36) 1,1-Dichloropropene	7.98	75	16462	5.106	ug/l #	47
38) Carbon Tetrachloride	7.98	117	25335	5.421	ug/l #	15
59) 2-Hexanone	10.96	43	1244	2.163	ug/l #	20
68) m/p-Xylenes	11.86	106	8368	1.468	ug/l	95
69) o-Xylene	12.18	106	34291	6.606	ug/l	96
74) N-amyl acetate	12.27	43	10869	5.160	ug/l #	66
76) 1,2,3-Trichloropropane	12.64	75	115801	68.443	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.96	105	104285	7.507	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.64	75	115801	160.083	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.27	105	15024	1.083	ug/l	96
85) sec-Butylbenzene	13.40	105	17713	1.129	ug/l	78
86) p-Isopropyltoluene	13.52	119	18271	1.203	ug/l	95
90) Hexachloroethane	14.12	117	6964	2.408	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	14.52	75	591	1.279	ug/l #	8

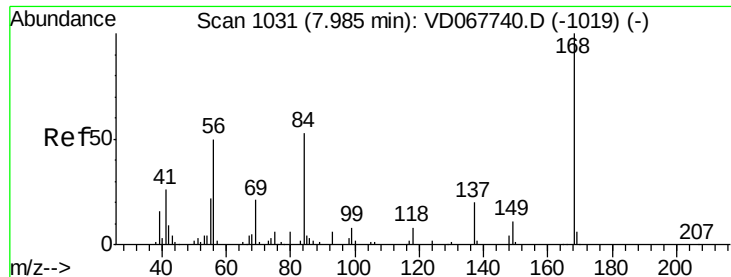
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067755.D

Acq: 23 Nov 2020 19:32

Instrument :

MSVOA_D

ClientSampleId :

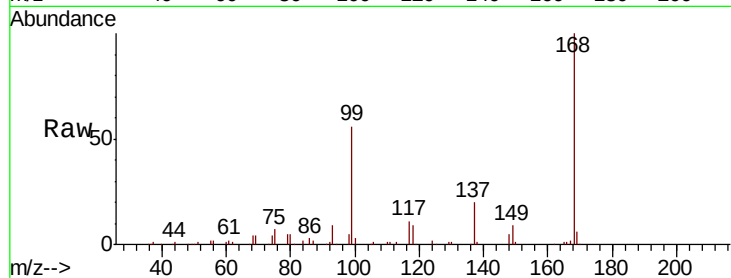
HR-01-112320

Tot Ion:168 Resp: 244399

Ion Ratio Lower Upper

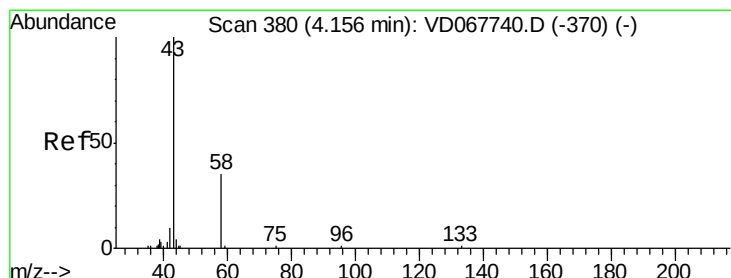
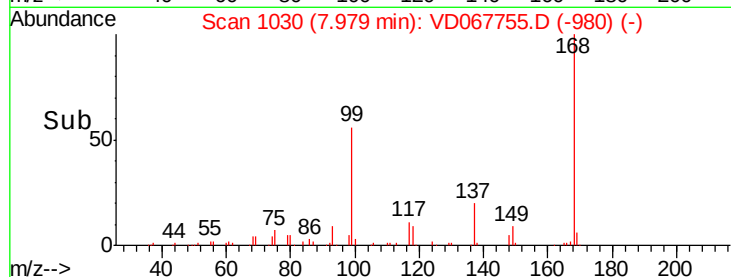
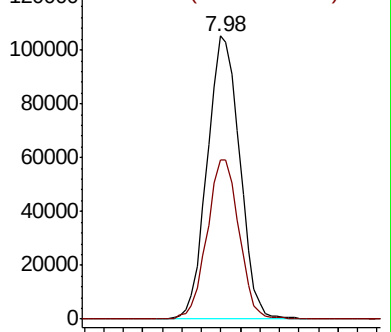
168 100

99 56.3 43.8 65.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 7.766 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067755.D

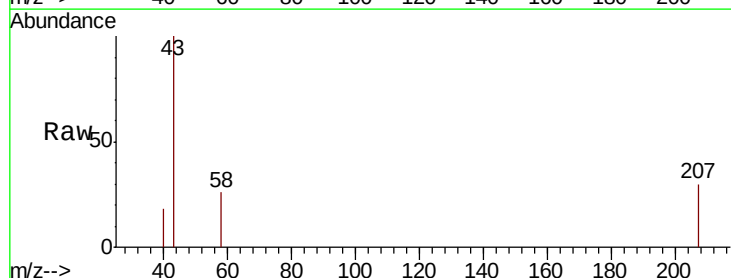
Acq: 23 Nov 2020 19:32

Tgt Ion: 43 Resp: 2384

Ion Ratio Lower Upper

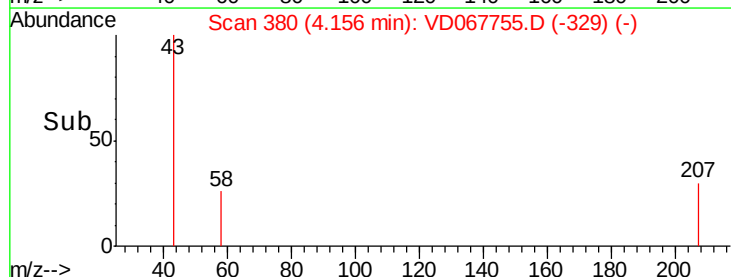
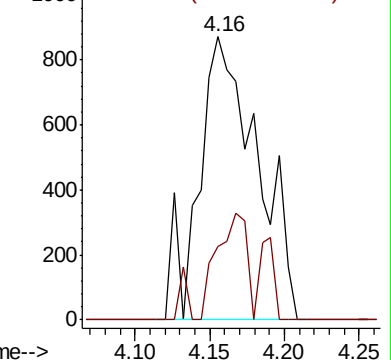
43 100

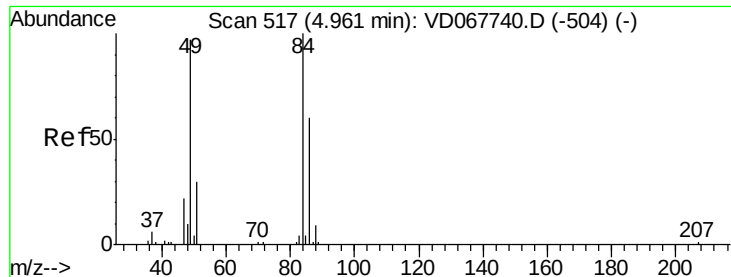
58 26.2 27.6 41.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

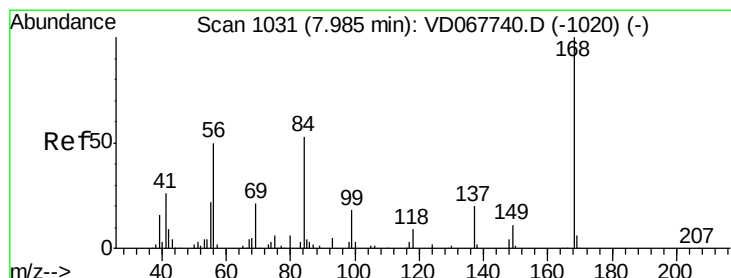
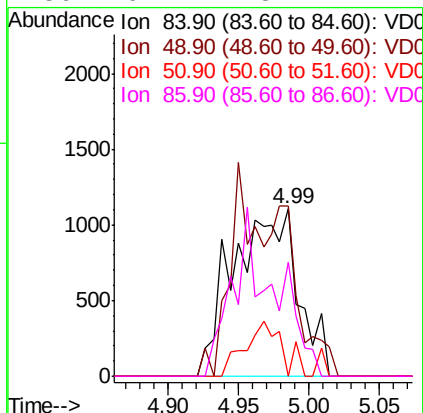
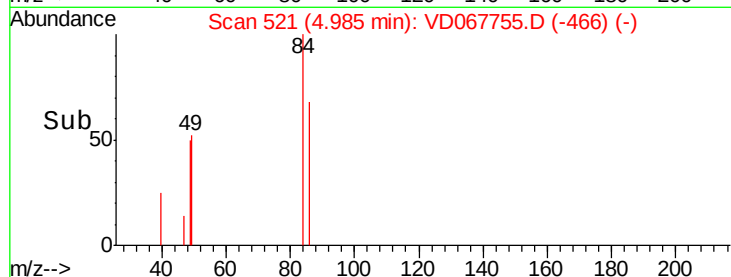
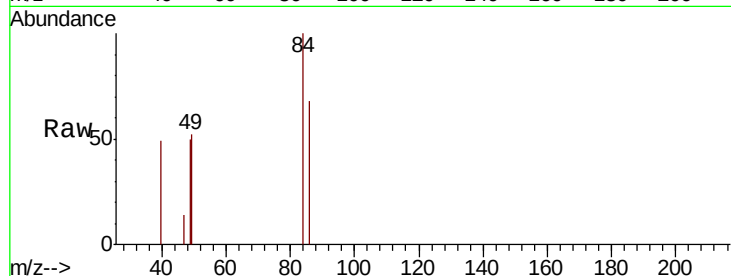




#20
Methylene Chloride
Concen: Below Cal
RT: 4.99 min Scan# 521
Delta R.T. 0.02 min
Lab File: VD067755.D
Acq: 23 Nov 2020 19:32

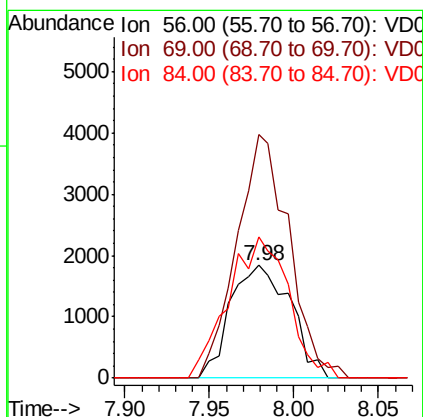
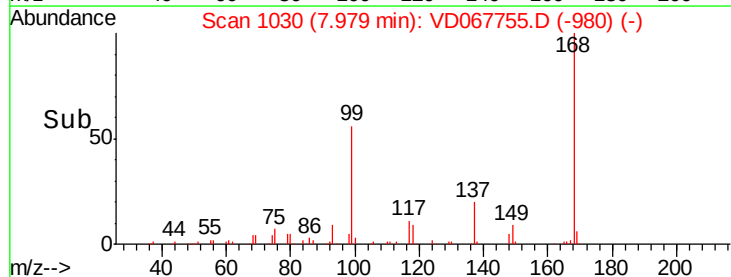
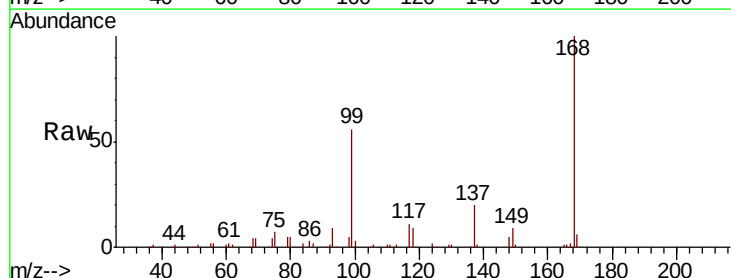
Instrument :
MSVOA_D
ClientSampleId :
HR-01-112320

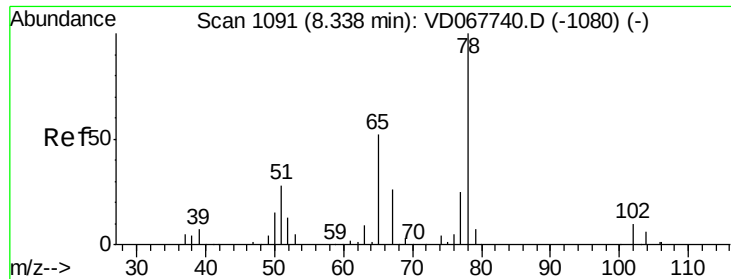
Tot Ion: 84 Resp: 3543
Ion Ratio Lower Upper
84 100
49 101.4 77.4 116.2
51 0.0 24.1 36.1#
86 67.7 48.2 72.2



#31
Cyclohexane
Concen: 1.578 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067755.D
Acq: 23 Nov 2020 19:32

Tgt Ion: 56 Resp: 4537
Ion Ratio Lower Upper
56 100
69 216.3 33.2 49.8#
84 125.2 84.8 127.2

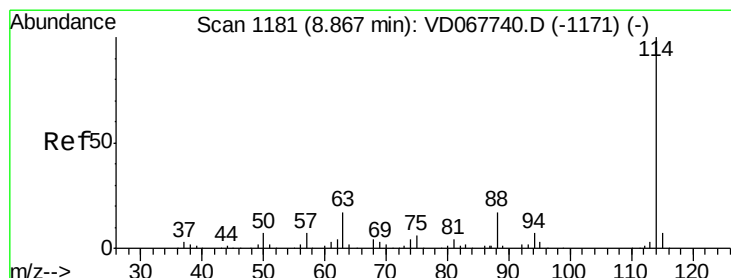
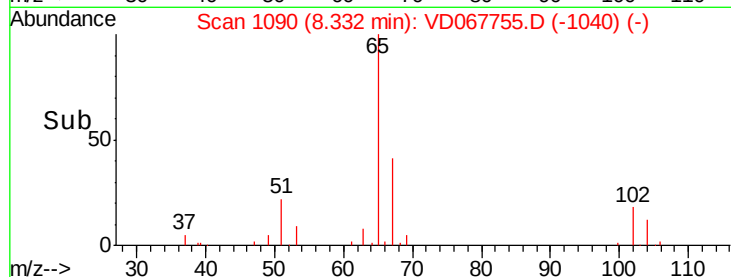
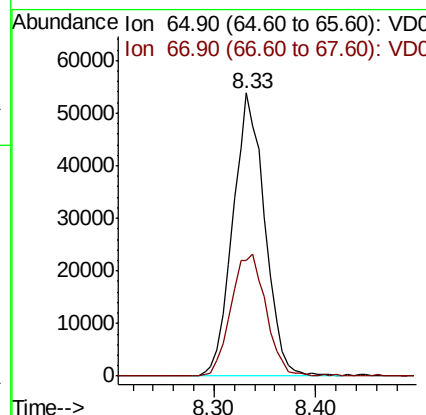
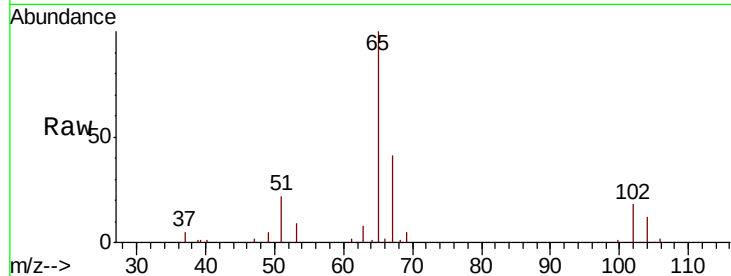




#33
 1,2-Dichloroethane-d4
 Concen: 49.375 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD067755.D
 Acq: 23 Nov 2020 19:32

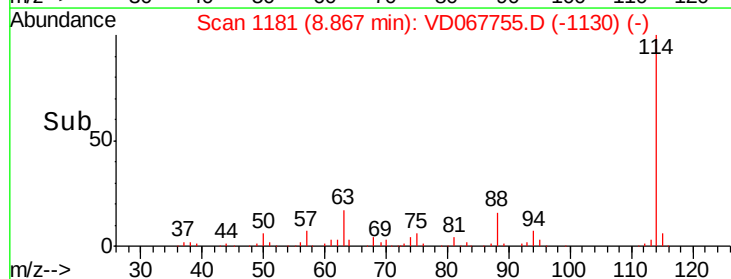
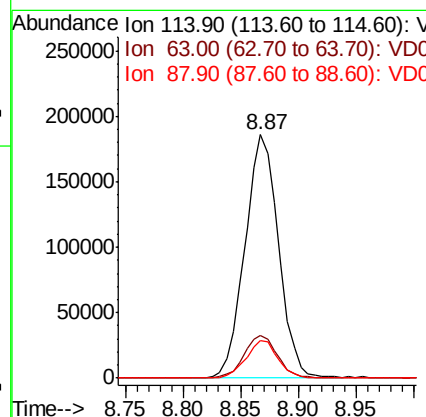
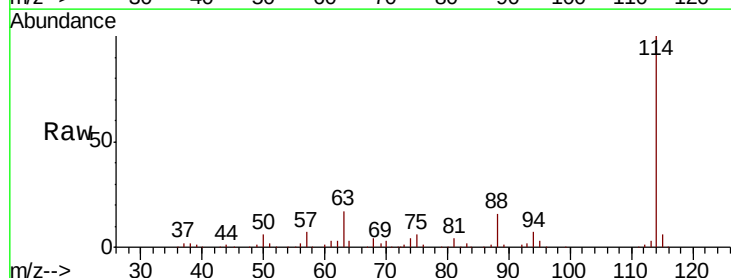
Instrument :
 MSVOA_D
 ClientSampleId :
 HR-01-112320

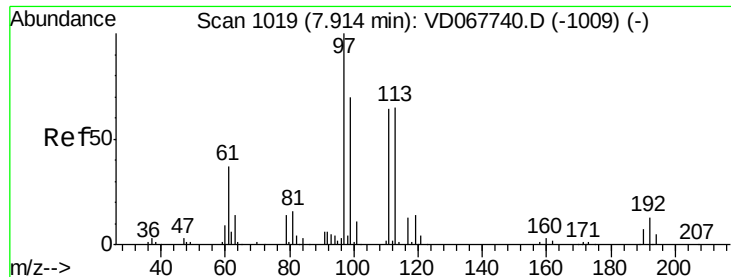
Tot Ion: 65 Resp: 117331
 Ion Ratio Lower Upper
 65 100
 67 47.0 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067755.D
 Acq: 23 Nov 2020 19:32

Tgt Ion: 114 Resp: 375731
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 34.8
 88 15.6 0.0 34.4

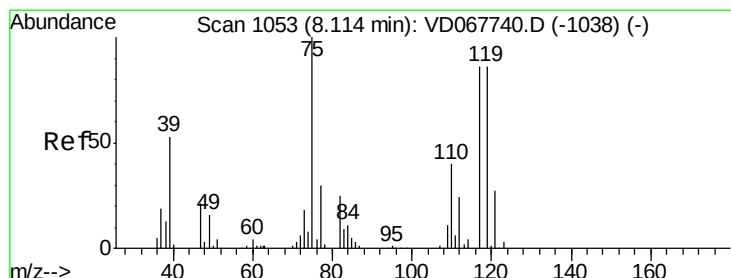
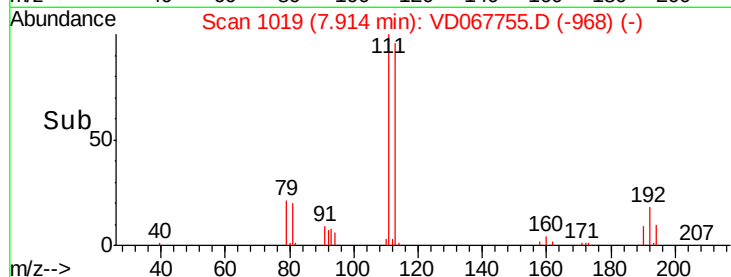
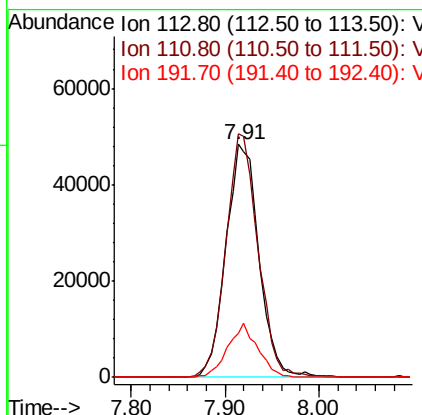
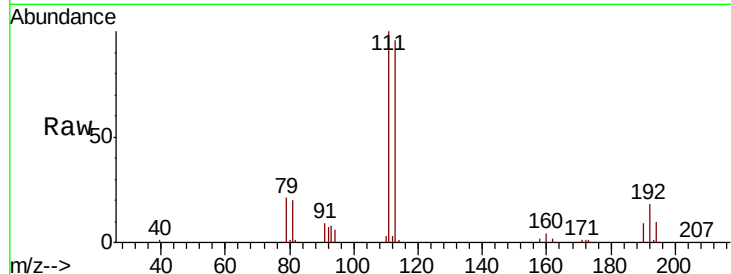




#35
 Dibromofluoromethane
 Concen: 49.430 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067755.D
 Acq: 23 Nov 2020 19:32

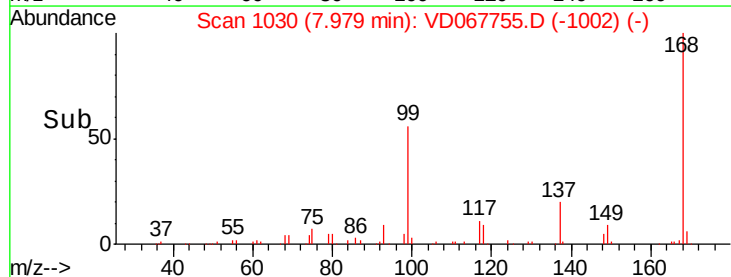
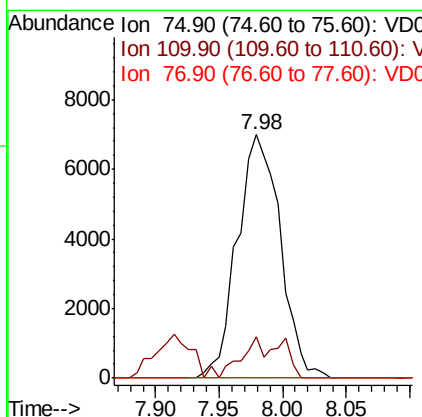
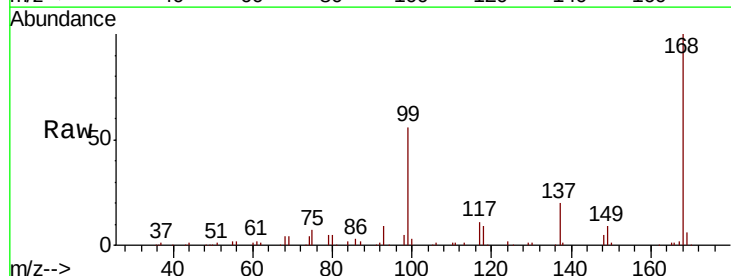
Instrument :
 MSVOA_D
 ClientSampleId :
 HR-01-112320

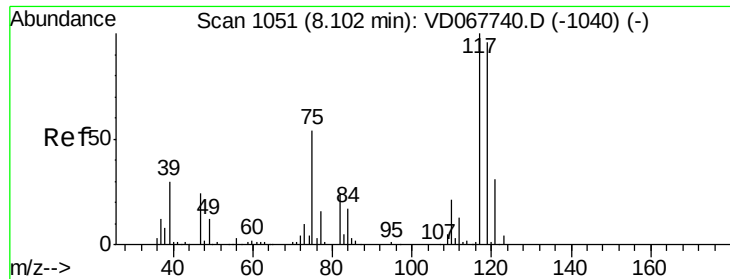
Tot Ion:113 Resp: 118195
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.4 122.0
 192 20.9 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 5.106 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067755.D
 Acq: 23 Nov 2020 19:32

Tgt Ion: 75 Resp: 16462
 Ion Ratio Lower Upper
 75 100
 110 8.4 20.1 60.2#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.421 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067755.D

Acq: 23 Nov 2020 19:32

Instrument :

MSVOA_D

ClientSampleId :

HR-01-112320

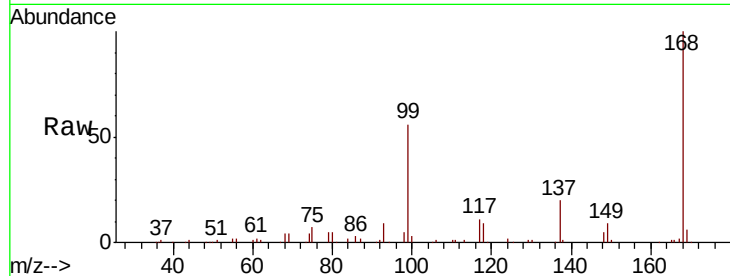
Tot Ion:117 Resp: 25335

Ion Ratio Lower Upper

117 100

119 4.1 76.6 115.0#

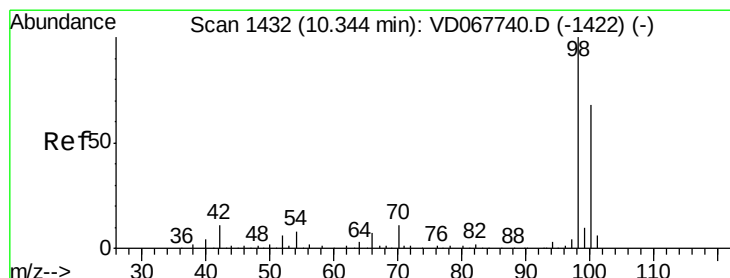
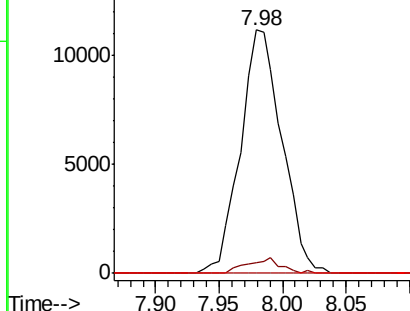
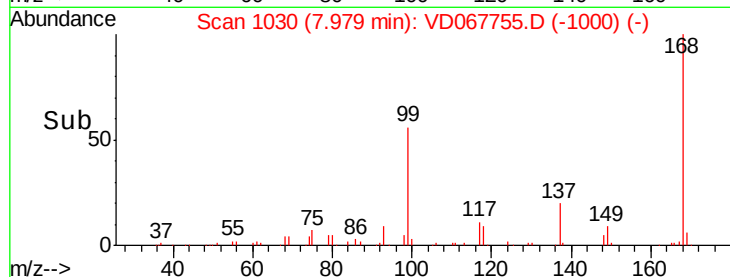
121 0.0 24.5 36.7#



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



#50

Toluene-d8

Concen: 50.548 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067755.D

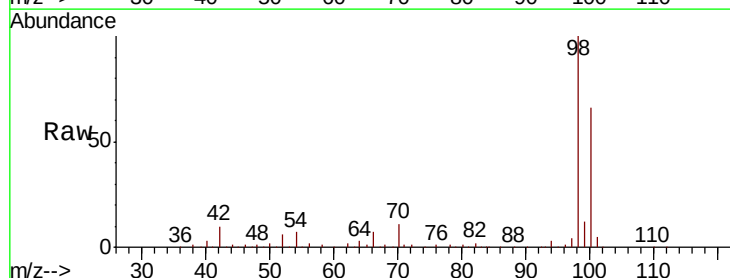
Acq: 23 Nov 2020 19:32

Tgt Ion: 98 Resp: 441897

Ion Ratio Lower Upper

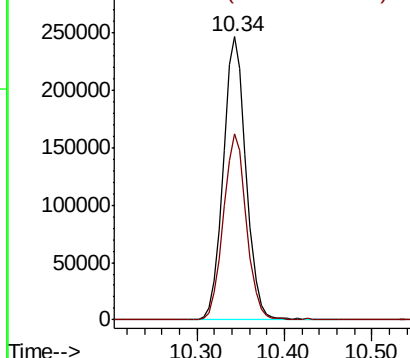
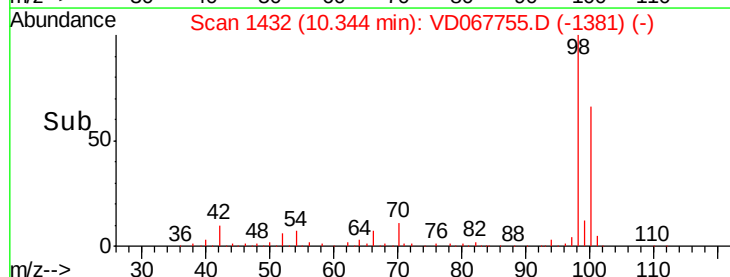
98 100

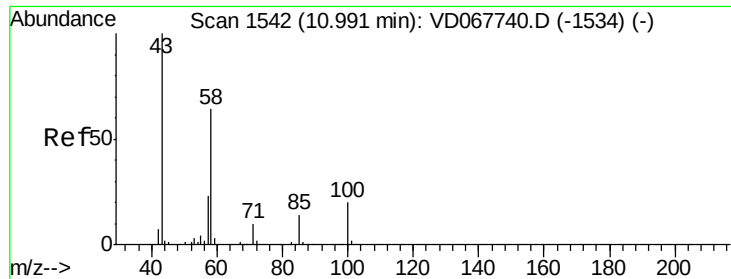
100 66.1 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#59

2-Hexanone

Concen: 2.163 ug/l

RT: 10.96 min Scan# 1537

Delta R.T. -0.03 min

Lab File: VD067755.D

Acq: 23 Nov 2020 19:32

Instrument :

MSVOA_D

ClientSampleId :

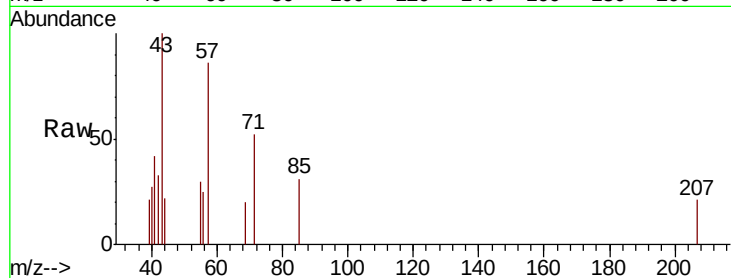
HR-01-112320

Tot Ion: 43 Resp: 1244

Ion Ratio Lower Upper

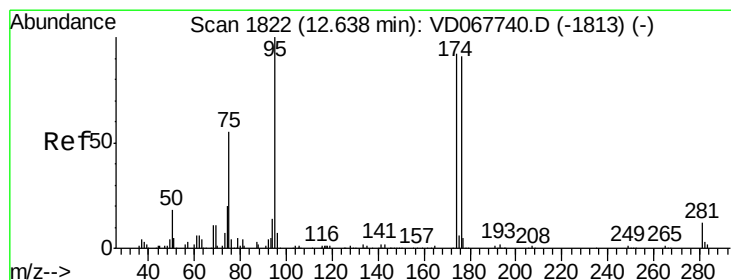
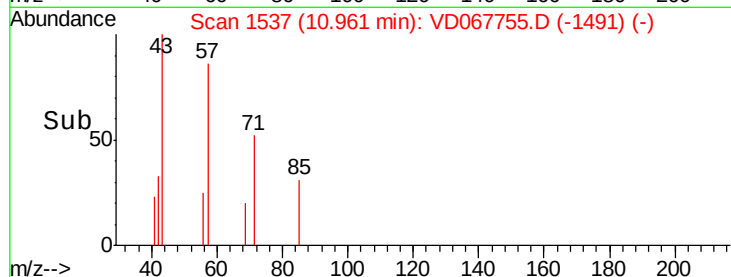
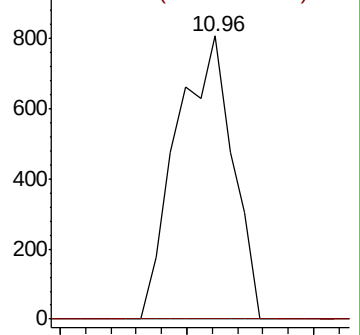
43 100

58 0.0 30.5 91.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 72.113 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067755.D

Acq: 23 Nov 2020 19:32

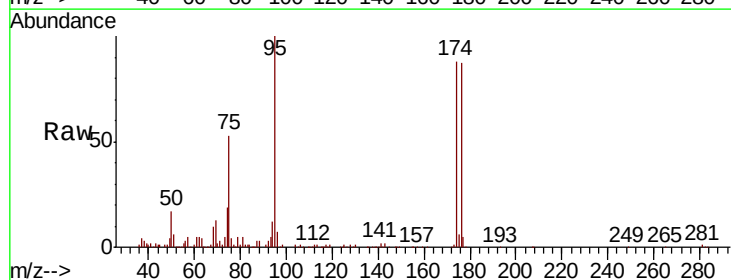
Tgt Ion: 95 Resp: 215483

Ion Ratio Lower Upper

95 100

174 88.8 0.0 182.4

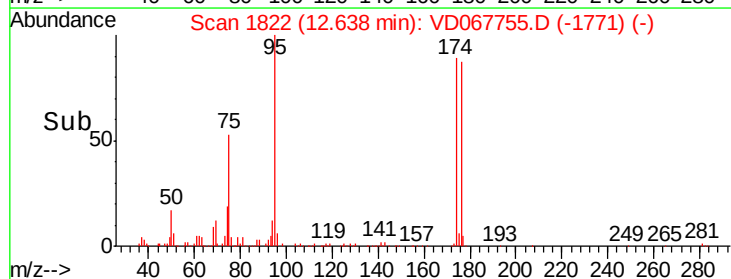
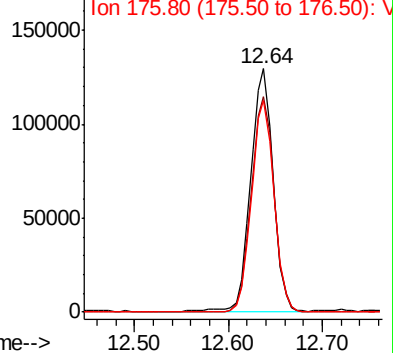
176 86.3 0.0 178.2

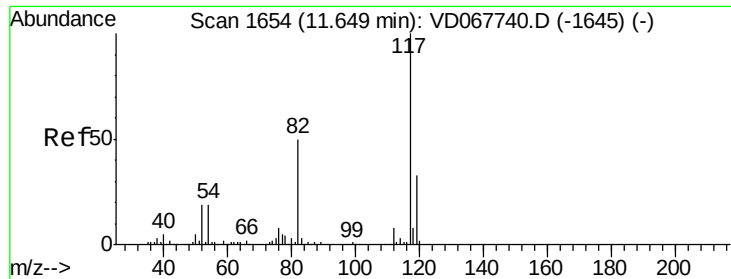


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

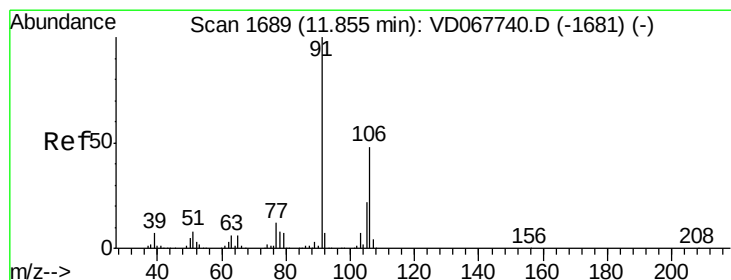
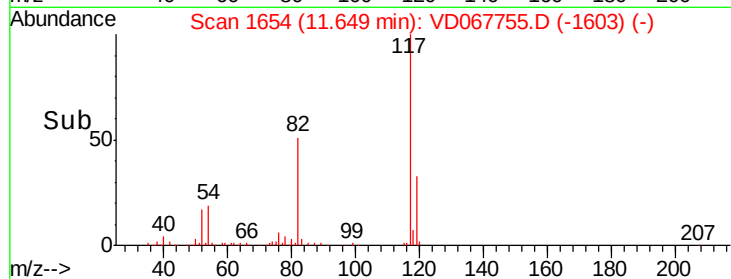
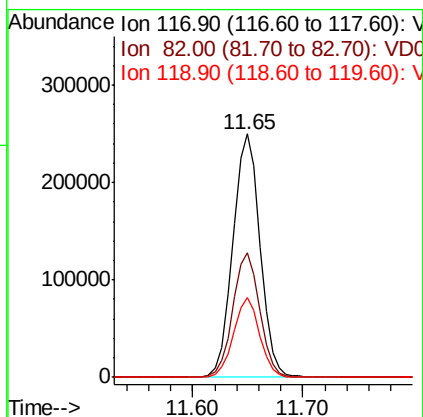
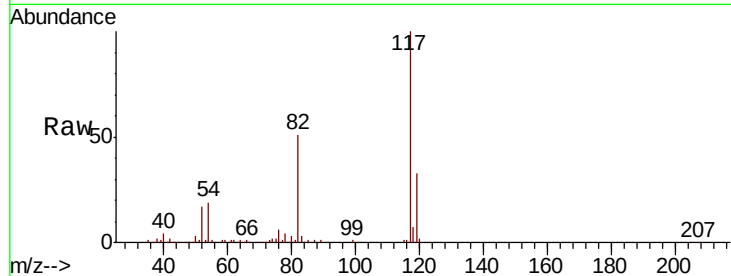




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067755.D
Acq: 23 Nov 2020 19:32

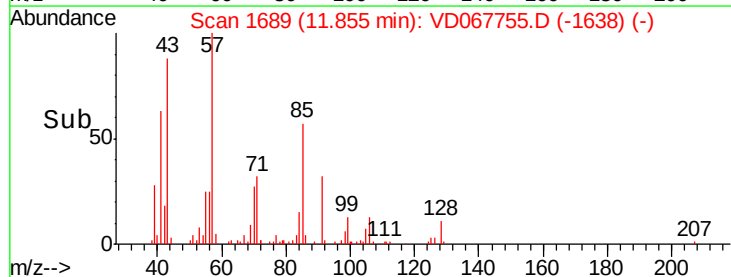
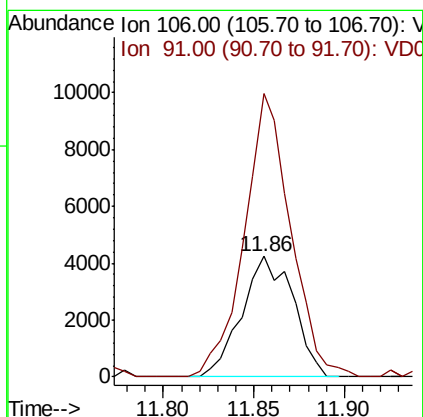
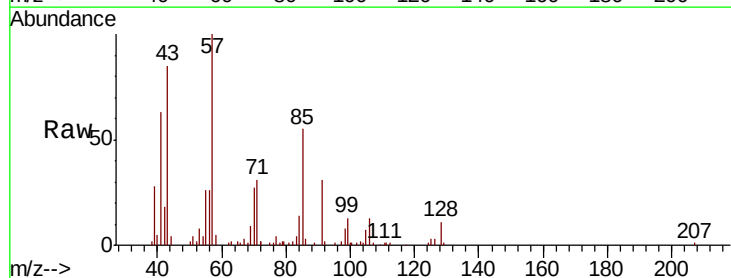
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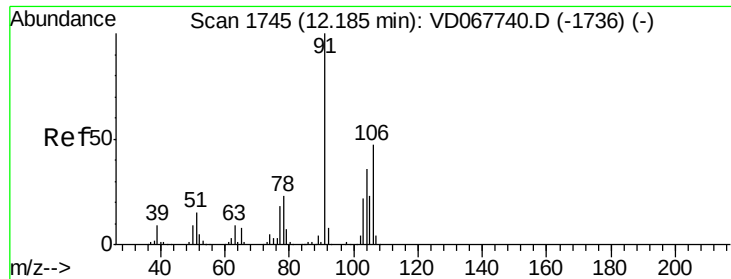
Tot Ion:117 Resp: 431813
Ion Ratio Lower Upper
117 100
82 50.7 40.2 60.4
119 32.5 26.5 39.7



#68
m/p-Xylenes
Concen: 1.468 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067755.D
Acq: 23 Nov 2020 19:32

Tgt Ion:106 Resp: 8368
Ion Ratio Lower Upper
106 100
91 211.8 163.0 244.6

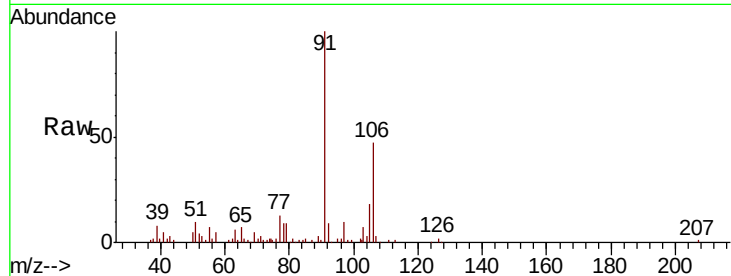




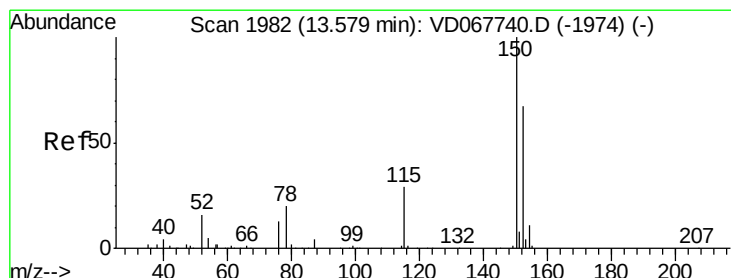
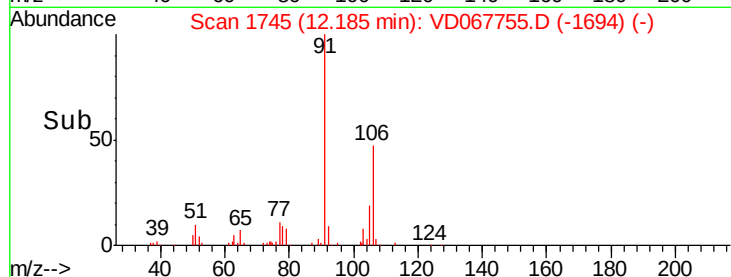
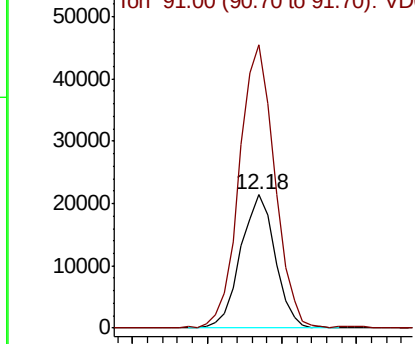
#69
o-Xylene
Concen: 6.606 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067755.D
Acq: 23 Nov 2020 19:32

Instrument :
MSVOA_D
ClientSampleId :
HR-01-112320

Tot Ion:106 Resp: 34291
Ion Ratio Lower Upper
106 100
91 218.8 106.2 318.6

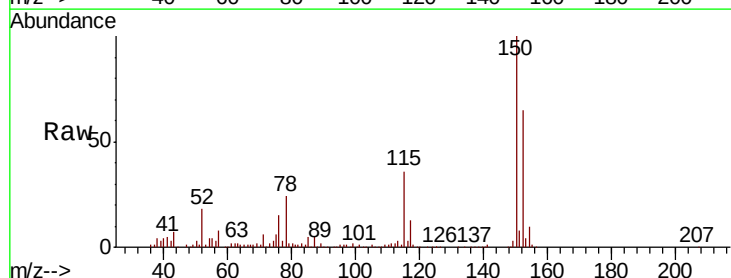


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

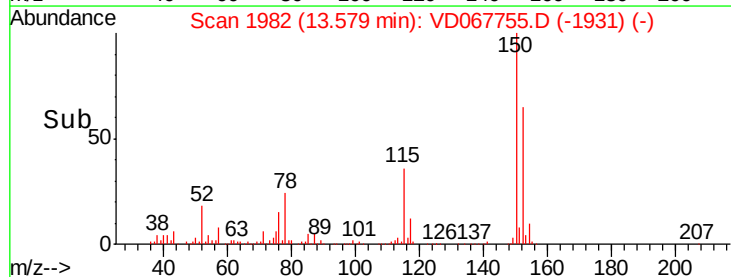
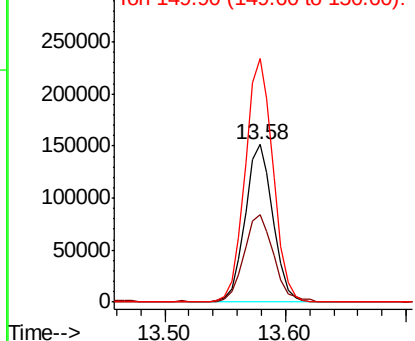


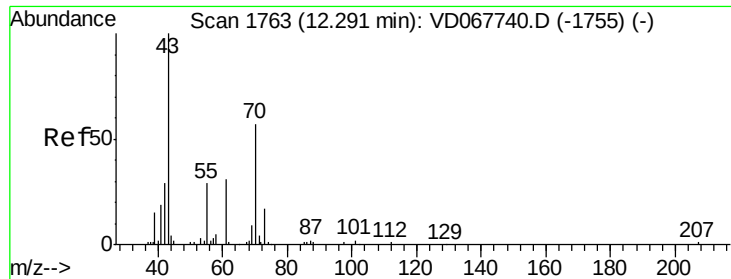
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067755.D
Acq: 23 Nov 2020 19:32

Tgt Ion:152 Resp: 242761
Ion Ratio Lower Upper
152 100
115 59.8 29.4 88.3
150 154.8 0.0 340.6



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





#74

N-amvl acetate

Concen: 5.160 ug/l

RT: 12.27 min Scan# 1760

Delta R.T. -0.02 min

Lab File: VD067755.D

Acq: 23 Nov 2020 19:32

Instrument :

MSVOA_D

ClientSampleId :

HR-01-112320

Tot Ion: 43 Resp: 10869

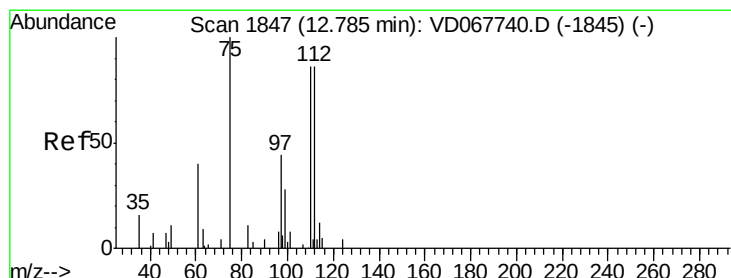
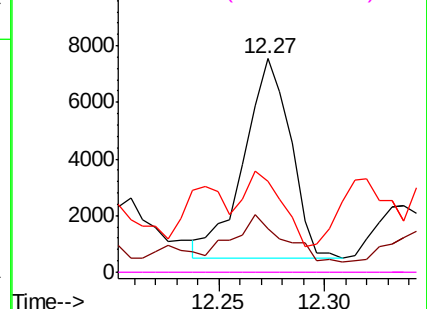
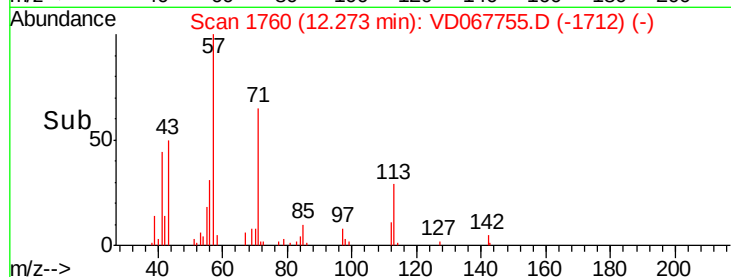
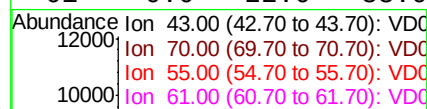
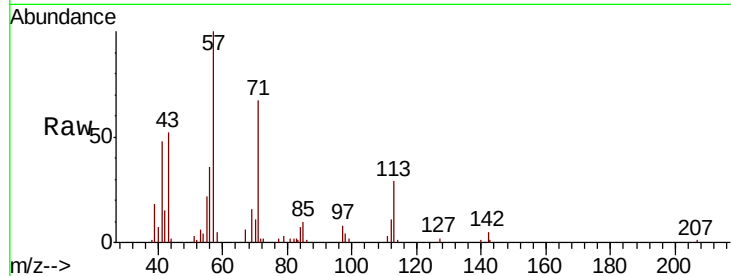
Ion Ratio Lower Upper

43 100

70 24.6 44.6 66.8#

55 30.2 24.2 36.2

61 0.0 22.0 33.0#



#76

1,2,3-Trichloropropane

Concen: 68.443 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067755.D

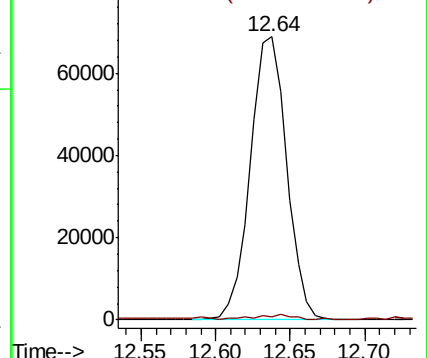
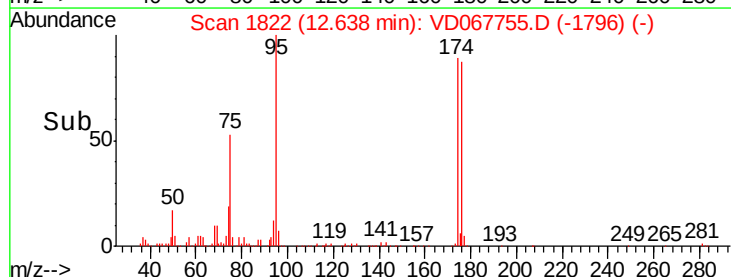
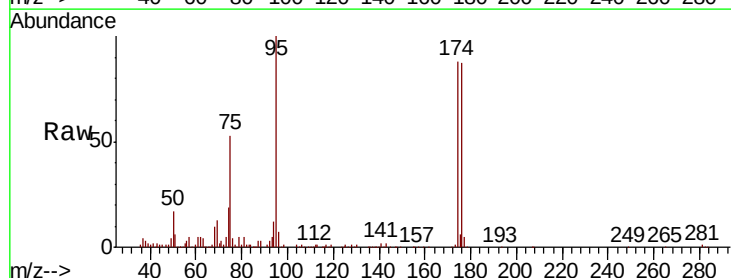
Acq: 23 Nov 2020 19:32

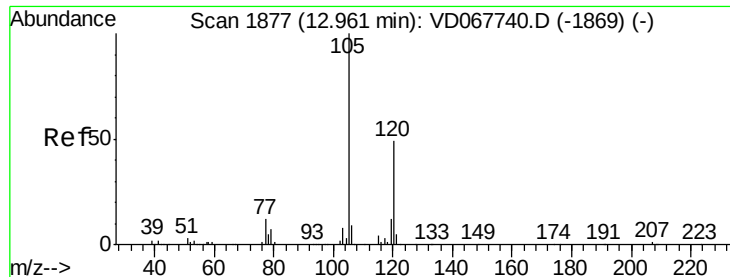
Tgt Ion: 75 Resp: 115801

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#

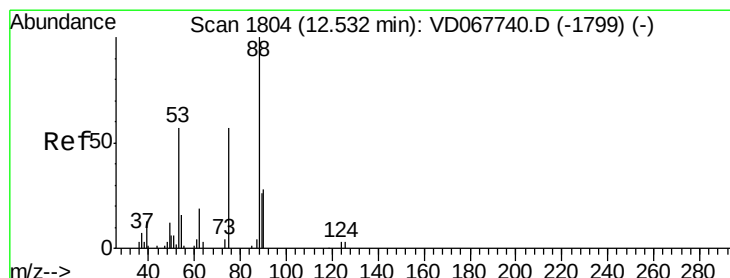
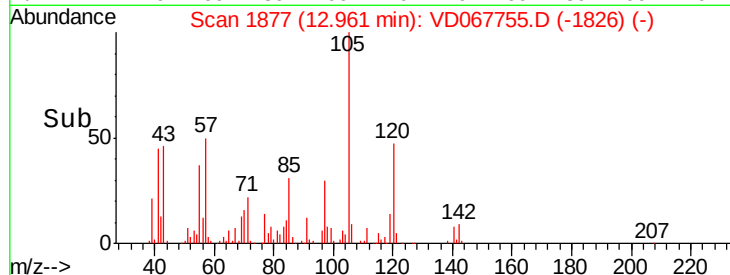
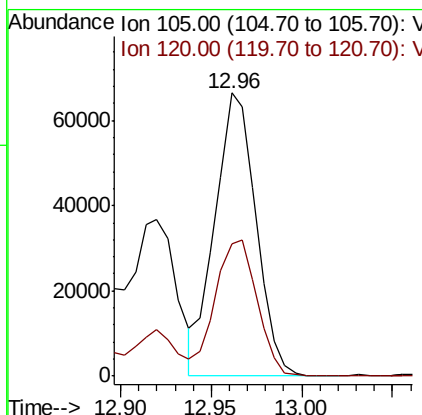
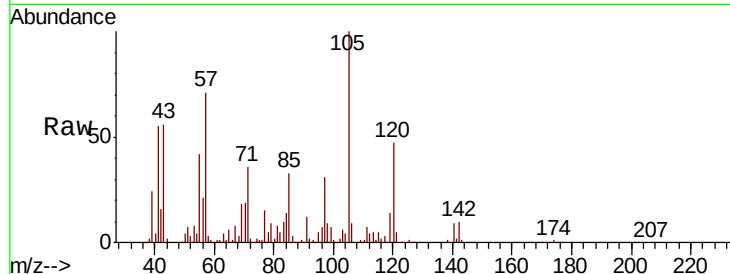




#80
 1,3,5-Trimethylbenzene
 Concen: 7.507 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD067755.D
 Acq: 23 Nov 2020 19:32

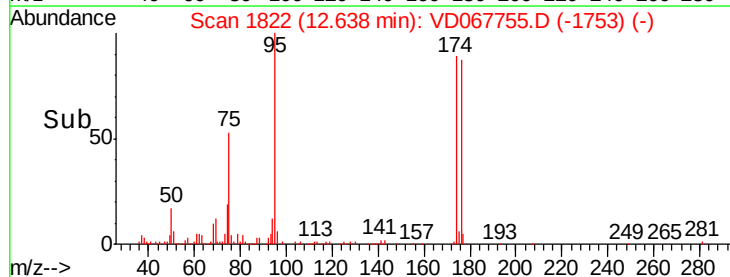
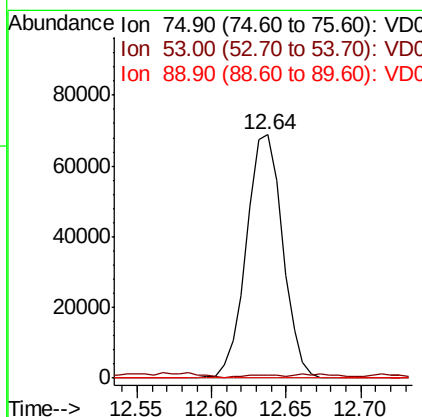
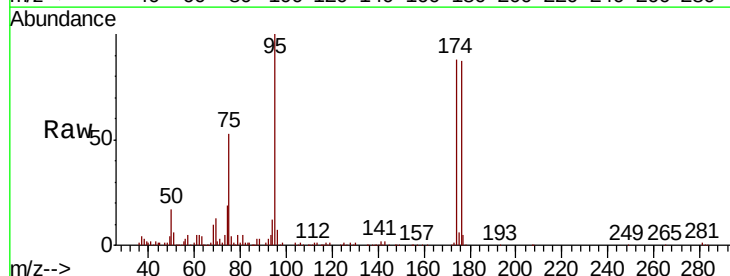
Instrument :
 MSVOA_D
 ClientSampleId :
 HR-01-112320

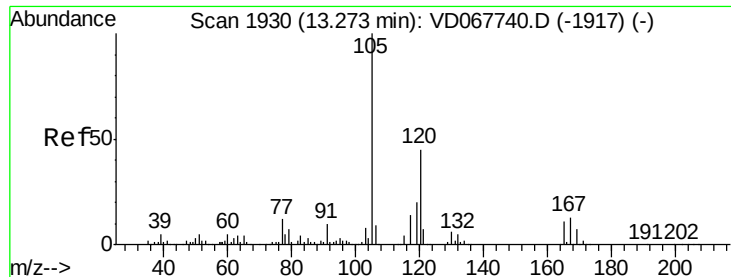
Tot Ion:105 Resp: 104285
 Ion Ratio Lower Upper
 105 100
 120 49.4 23.9 71.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 160.083 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067755.D
 Acq: 23 Nov 2020 19:32

Tgt Ion: 75 Resp: 115801
 Ion Ratio Lower Upper
 75 100
 53 0.8 76.0 114.0#
 89 0.1 40.2 60.4#

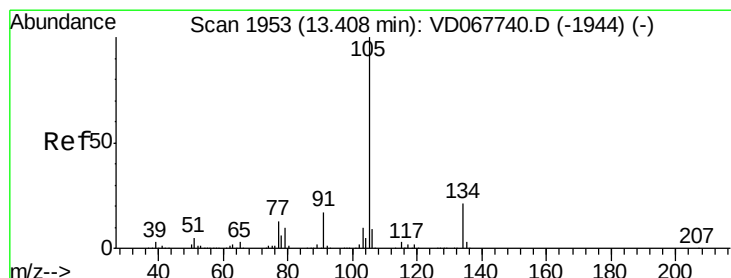
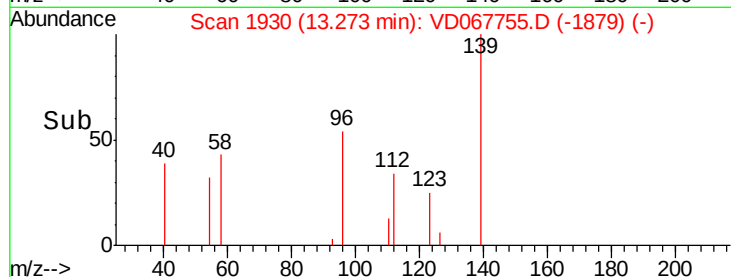
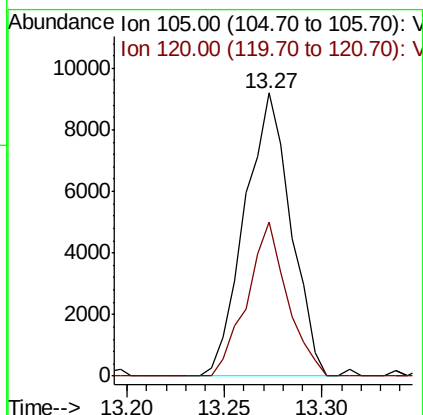
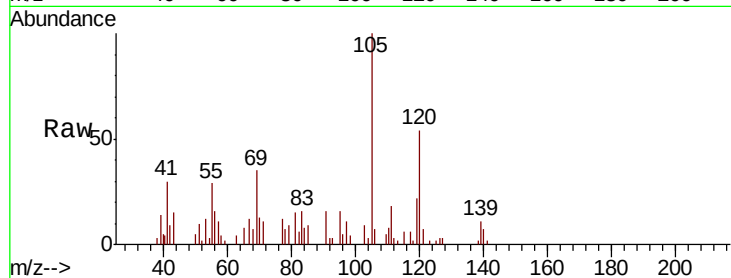




#84
 1,2,4-Trimethylbenzene
 Concen: 1.083 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD067755.D
 Acq: 23 Nov 2020 19:32

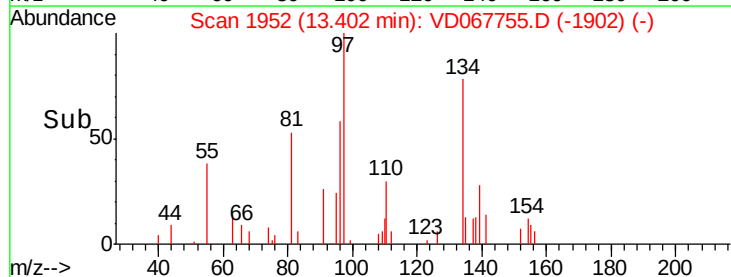
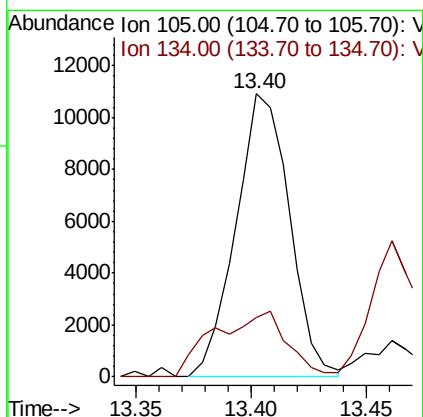
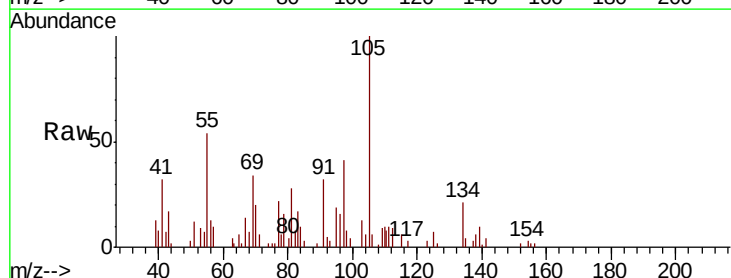
Instrument :
 MSVOA_D
 ClientSampleId :
 HR-01-112320

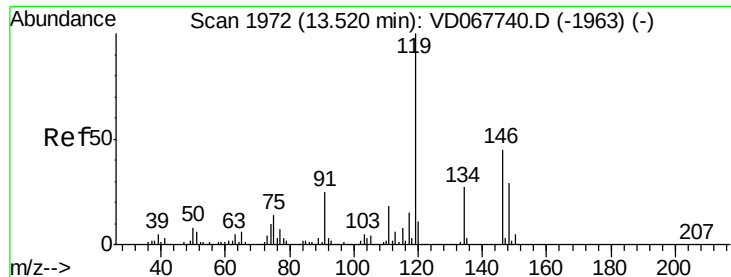
Tot Ion:105 Resp: 15024
 Ion Ratio Lower Upper
 105 100
 120 47.5 22.6 67.7



#85
 sec-Butylbenzene
 Concen: 1.129 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.01 min
 Lab File: VD067755.D
 Acq: 23 Nov 2020 19:32

Tgt Ion:105 Resp: 17713
 Ion Ratio Lower Upper
 105 100
 134 31.6 10.7 32.1

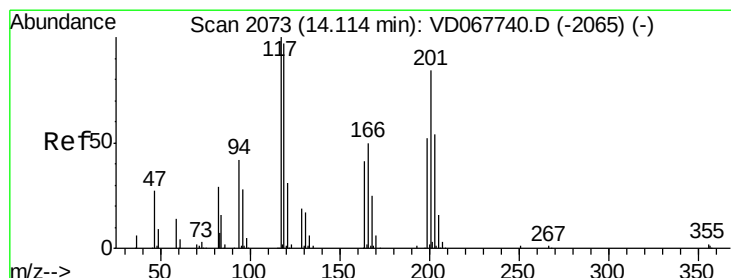
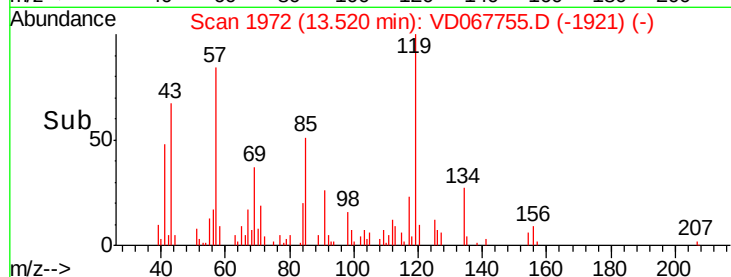
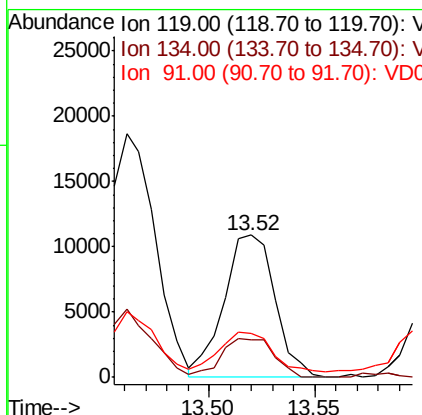
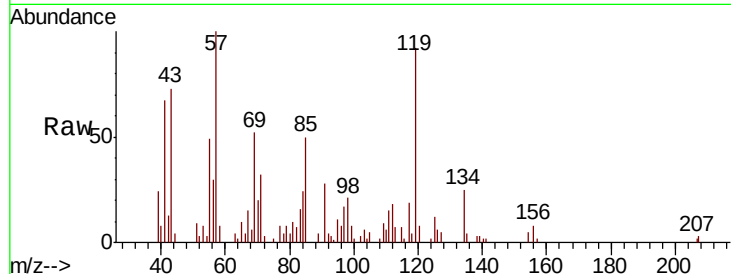




#86
 p-Isopropyltoluene
 Concen: 1.203 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067755.D
 Acq: 23 Nov 2020 19:32

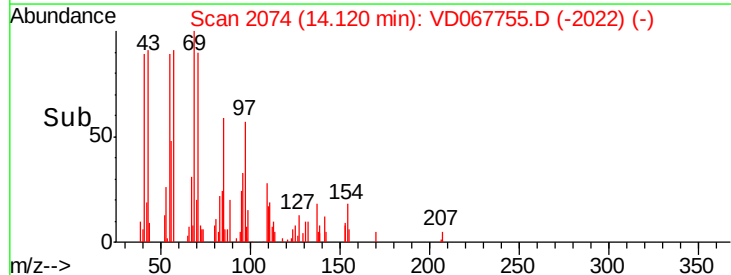
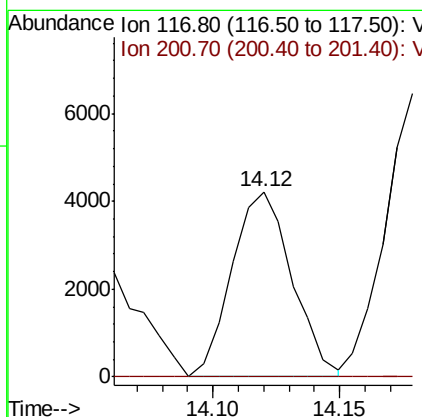
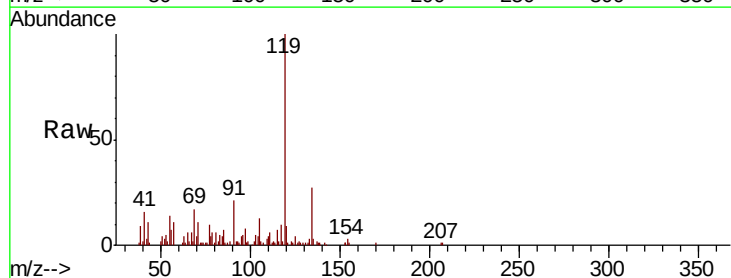
Instrument :
 MSVOA_D
 ClientSampleId :
 HR-01-112320

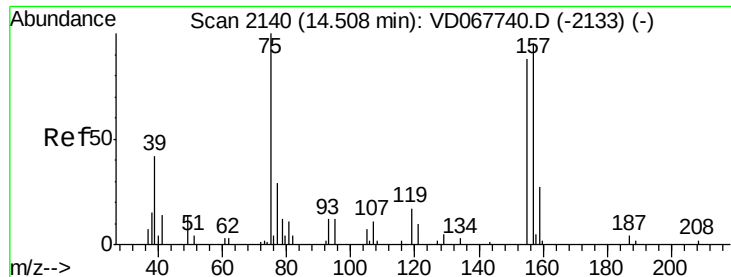
Tot Ion:119 Resp: 18271
 Ion Ratio Lower Upper
 119 100
 134 28.3 13.0 38.9
 91 27.8 12.7 38.1



#90
 Hexachloroethane
 Concen: 2.408 ug/l
 RT: 14.12 min Scan# 2074
 Delta R.T. 0.01 min
 Lab File: VD067755.D
 Acq: 23 Nov 2020 19:32

Tgt Ion:117 Resp: 6964
 Ion Ratio Lower Upper
 117 100
 201 0.0 42.2 126.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.279 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.01 min

Lab File: VD067755.D

Acq: 23 Nov 2020 19:32

Instrument :

MSVOA_D

ClientSampleId :

HR-01-112320

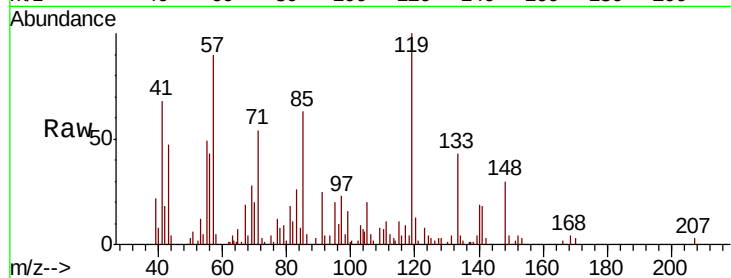
Tot Ion: 75 Resp: 591

Ion Ratio Lower Upper

75 100

155 10.5 41.0 123.0#

157 0.0 51.1 153.4#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

