

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010721\
 Data File : VD068033.D
 Acq On : 07 Jan 2021 14:45
 Operator : VA/SY
 Sample : M1044-04
 Misc : 5.75G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-4

Quant Time: Jan 08 00:15:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 23 07:34:16 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.985	168	297282	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	561523	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.650	117	535883	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	228587	50.00	ug/l	0.00

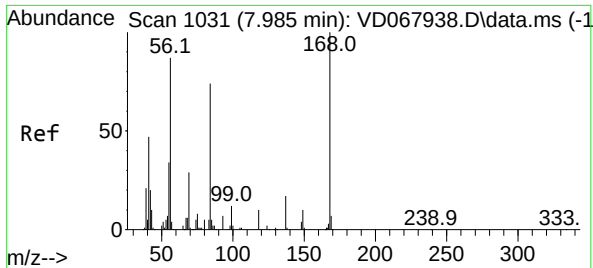
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	188858	58.83	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.66%
35) Dibromofluoromethane	7.920	113	189565	53.58	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.16%
50) Toluene-d8	10.344	98	724404	54.47	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	108.94%
62) 4-Bromofluorobenzene	12.632	95	235092	51.68	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	103.36%

Target Compounds					Qvalue
5) Bromomethane	2.785	94	80	Below Cal	84
11) Tert butyl alcohol	5.238	59	257	Below Cal	# 74
16) Acetone	4.162	43	13367	21.81 ug/l	# 89
20) Methylene Chloride	4.979	84	16542	Below Cal	# 82
25) 2-Butanone	7.214	43	1310	1.45 ug/l	# 49
31) Cyclohexane	7.985	56	7511	1.14 ug/l	# 8
36) 1,1-Dichloropropene	7.979	75	26018	4.36 ug/l	# 50
38) Carbon Tetrachloride	7.985	117	32531	5.71 ug/l	# 18
51) 4-Methyl-2-Pentanone	10.226	43	8823	3.84 ug/l	99
52) Toluene	10.408	92	27777	2.60 ug/l	99
67) Ethyl Benzene	11.744	91	31967	1.55 ug/l	96
68) m/p-Xylenes	11.850	106	48722	6.20 ug/l	96
69) o-Xylene	12.179	106	15243	2.17 ug/l	98
76) 1,2,3-Trichloropropane	12.632	75	120578	62.65 ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.632	75	120578	128.43 ug/l	# 13
84) 1,2,4-Trimethylbenzene	13.273	105	43635	3.09 ug/l	96
85) sec-Butylbenzene	13.273	105	43635	2.57 ug/l	# 58

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

Quant Time: Jan 08 00:15:17 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122220S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 23 07:34:16 2020
Response via : Initial Calibration

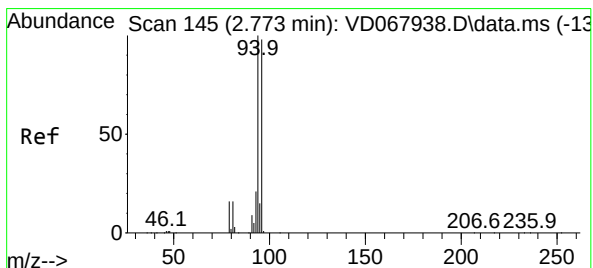
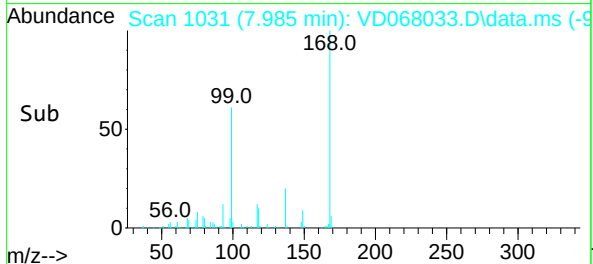
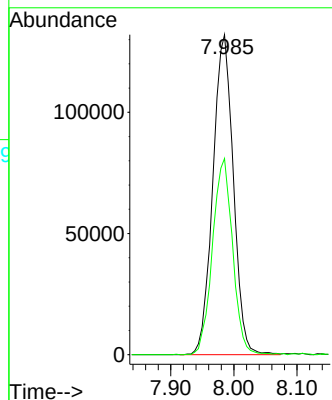
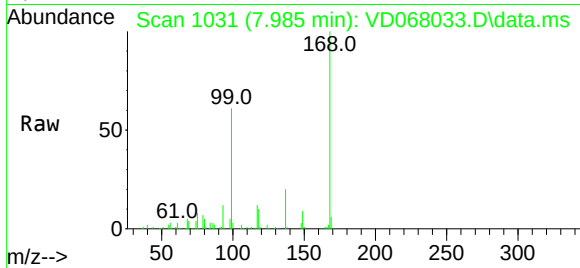




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD068033.D
Acq: 07 Jan 2021 14:45

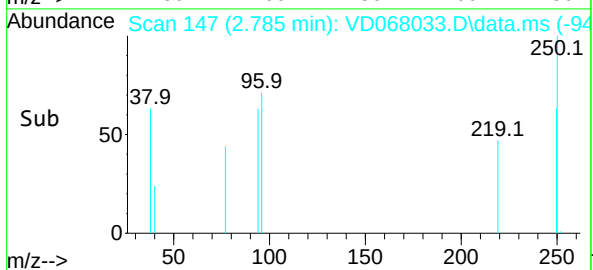
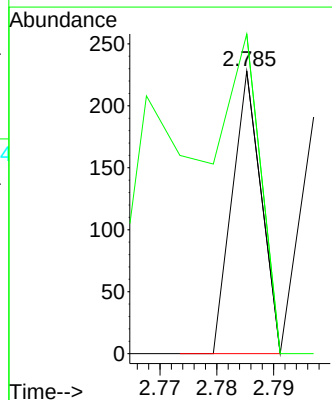
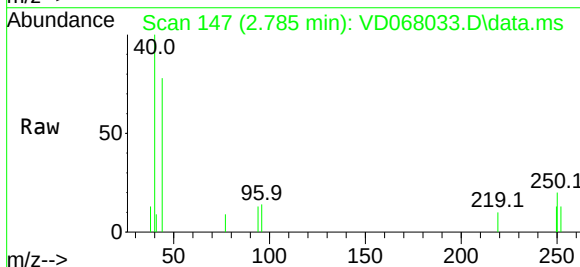
Instrument :
MSVOA_D
ClientSampled :
TP-4

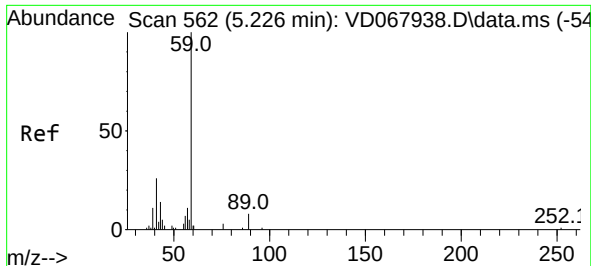
Tgt Ion:168 Resp: 297282
Ion Ratio Lower Upper
168 100
99 61.3 48.0 72.0



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.012 min
Lab File: VD068033.D
Acq: 07 Jan 2021 14:45

Tgt Ion: 94 Resp: 80
Ion Ratio Lower Upper
94 100
96 113.2 78.0 117.0

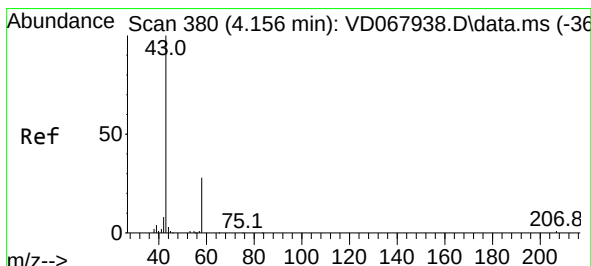
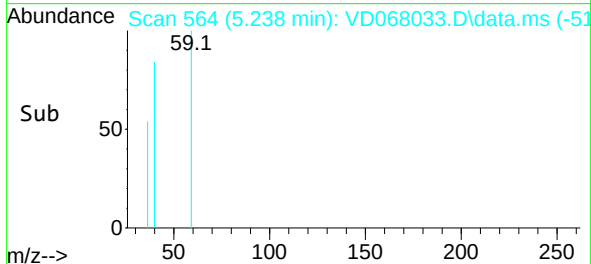
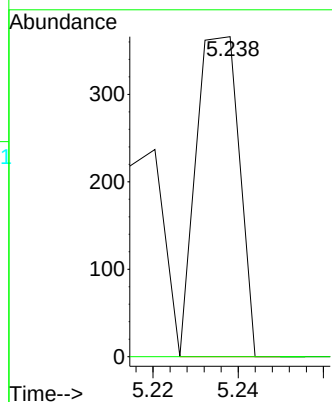
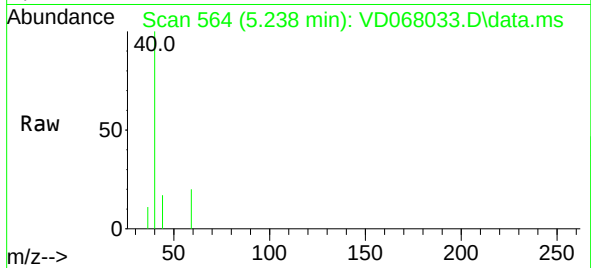




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.238 min Scan# 564
Delta R.T. 0.012 min
Lab File: VD068033.D
Acq: 07 Jan 2021 14:45

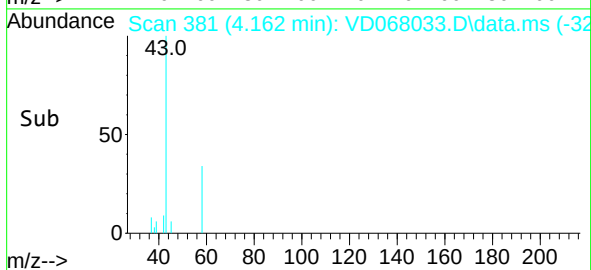
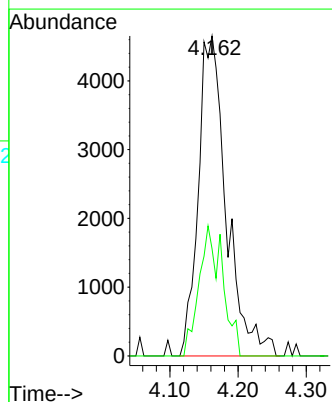
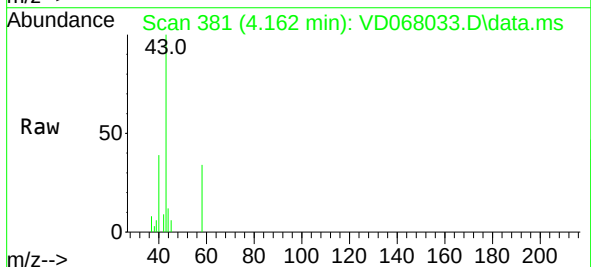
Instrument :
MSVOA_D
ClientSampled :
TP-4

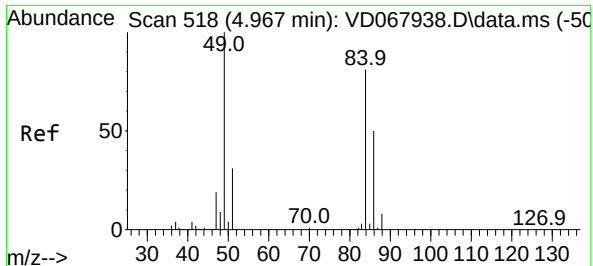
Tgt Ion: 59 Resp: 257
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 21.81 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD068033.D
Acq: 07 Jan 2021 14:45

Tgt Ion: 43 Resp: 13367
Ion Ratio Lower Upper
43 100
58 33.5 22.3 33.5#

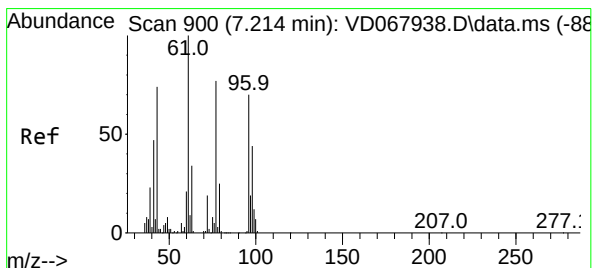
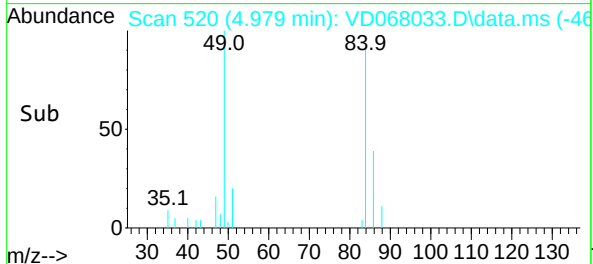
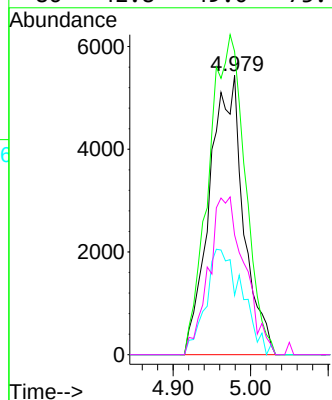
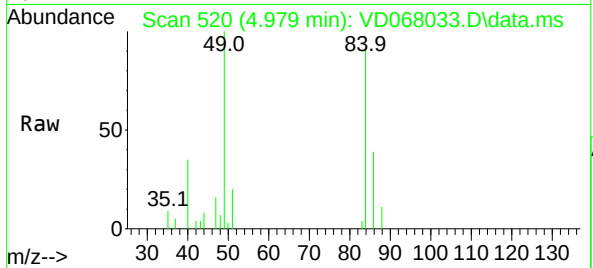




#20
Methylene Chloride
Concen: Below Cal
RT: 4.979 min Scan# 520
Delta R.T. 0.012 min
Lab File: VD068033.D
Acq: 07 Jan 2021 14:45

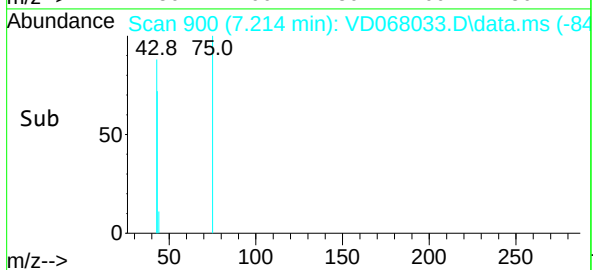
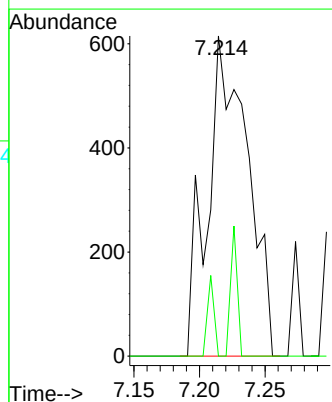
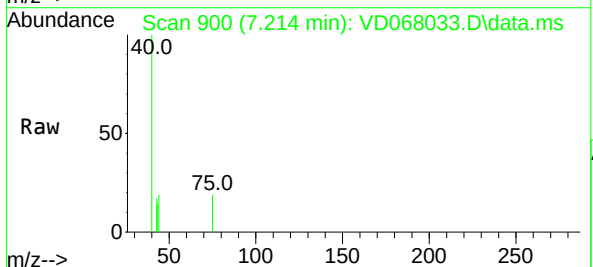
Instrument :
MSVOA_D
ClientSampleId :
TP-4

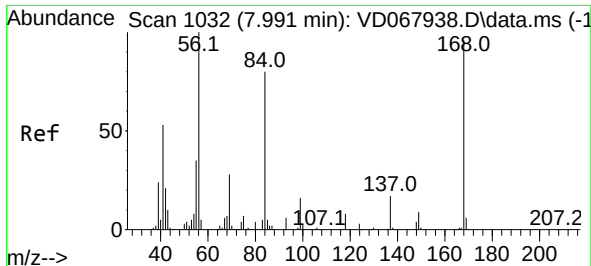
Tgt Ion:	84	Resp:	16542
Ion	Ratio	Lower	Upper
84	100		
49	108.6	98.3	147.5
51	21.2	30.3	45.5#
86	42.8	49.0	73.4#



#25
2-Butanone
Concen: 1.45 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD068033.D
Acq: 07 Jan 2021 14:45

Tgt Ion:	43	Resp:	1310
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.8	31.2#

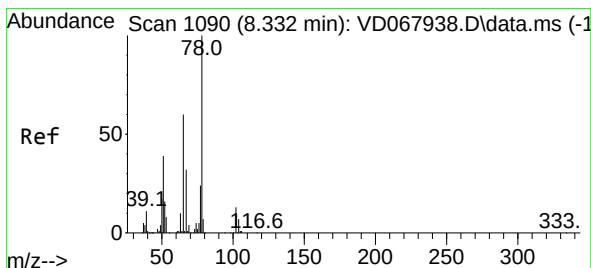
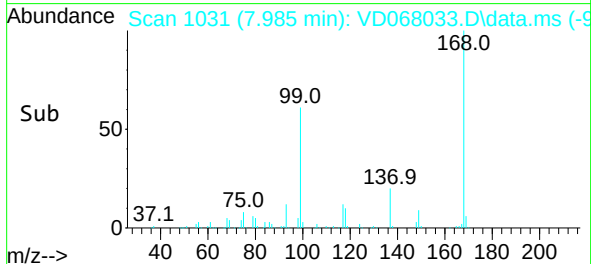
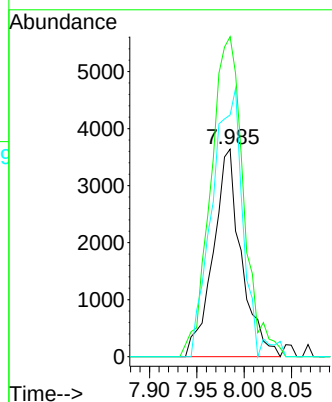
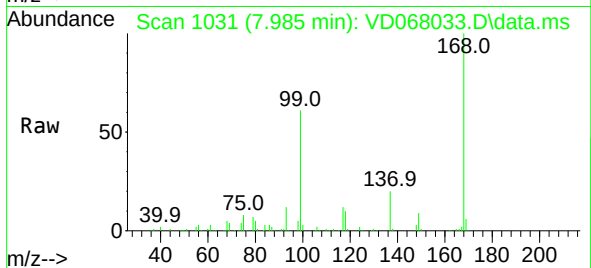




#31
Cyclohexane
Concen: 1.14 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD068033.D
Acq: 07 Jan 2021 14:45

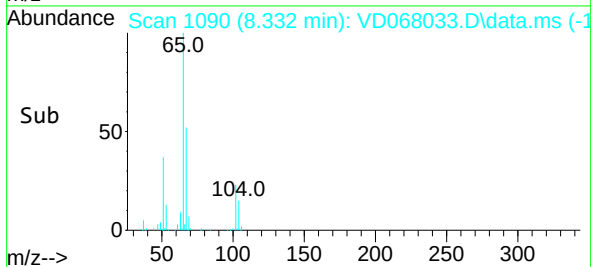
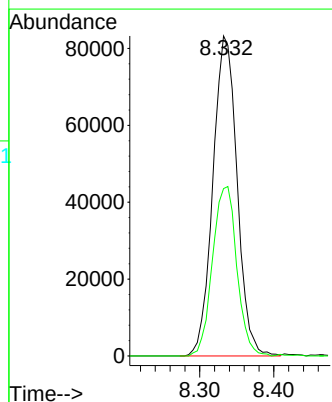
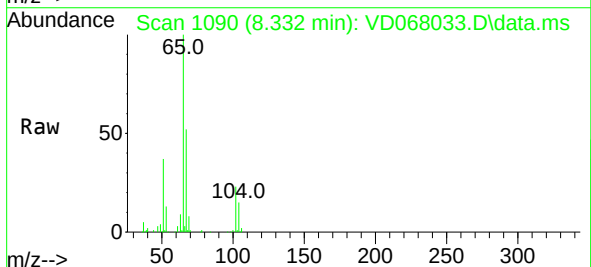
Instrument :
MSVOA_D
ClientSampled :
TP-4

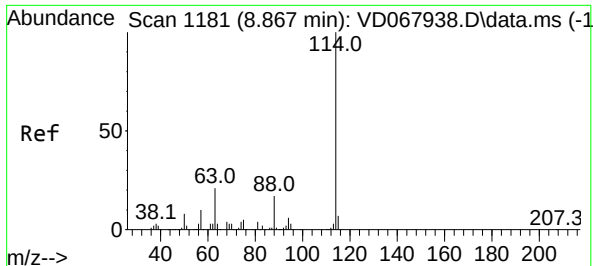
Tgt Ion: 56 Resp: 7511
Ion Ratio Lower Upper
56 100
69 154.2 22.7 34.1#
84 116.5 64.2 96.4#



#33
1,2-Dichloroethane-d4
Concen: 58.83 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD068033.D
Acq: 07 Jan 2021 14:45

Tgt Ion: 65 Resp: 188858
Ion Ratio Lower Upper
65 100
67 53.2 0.0 110.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. 0.000 min

Lab File: VD068033.D

Acq: 07 Jan 2021 14:45

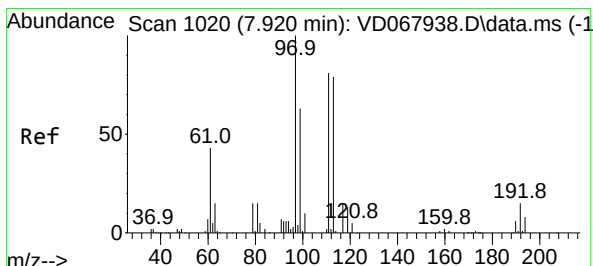
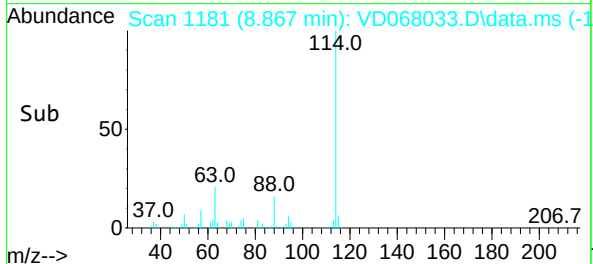
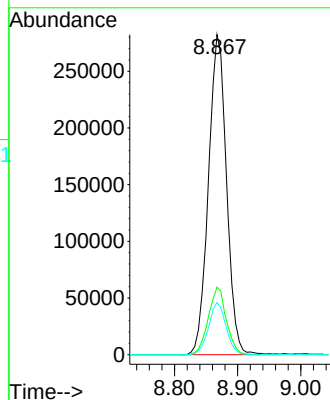
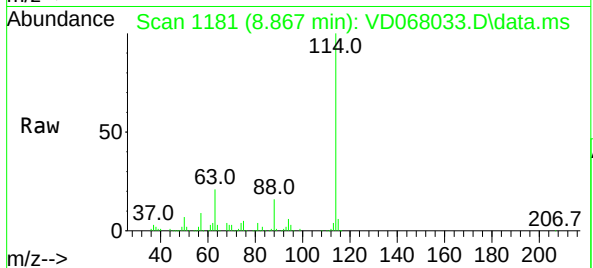
Tgt Ion:114 Resp: 561523

Ion Ratio Lower Upper

114 100

63 21.1 0.0 41.4

88 16.3 0.0 33.2



#35

Dibromofluoromethane

Concen: 53.58 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD068033.D

Acq: 07 Jan 2021 14:45

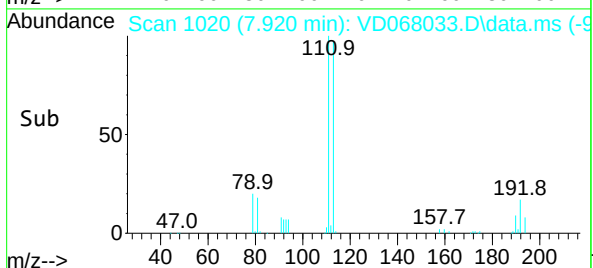
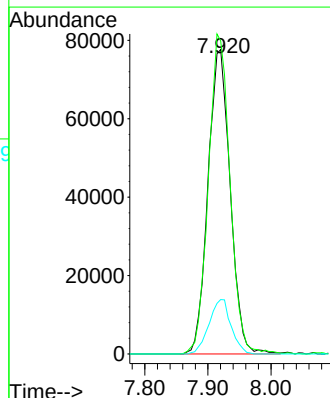
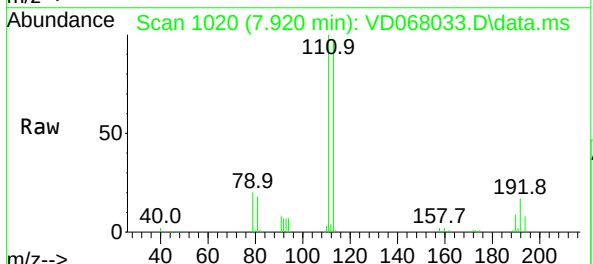
Tgt Ion:113 Resp: 189565

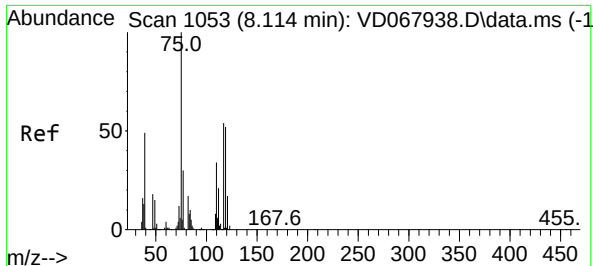
Ion Ratio Lower Upper

113 100

111 102.6 79.3 118.9

192 17.7 14.5 21.7

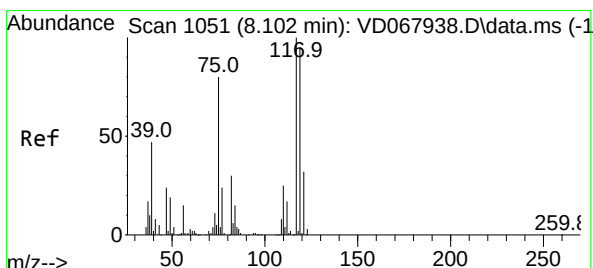
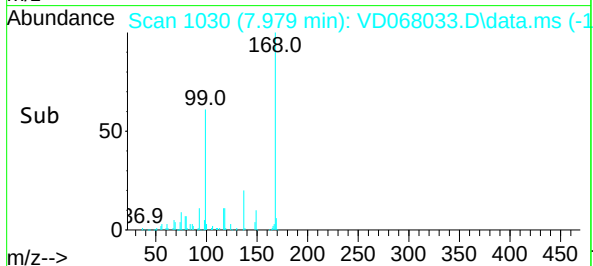
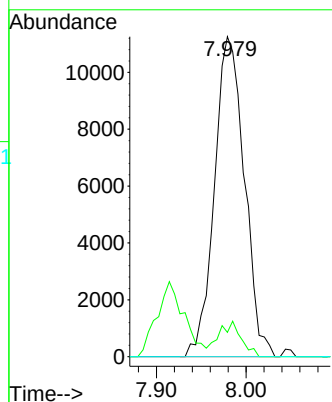
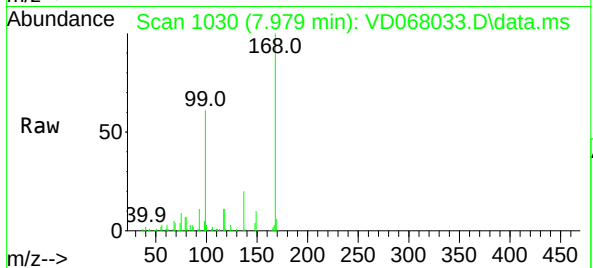




#36
1,1-Dichloropropene
Concen: 4.36 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD068033.D
Acq: 07 Jan 2021 14:45

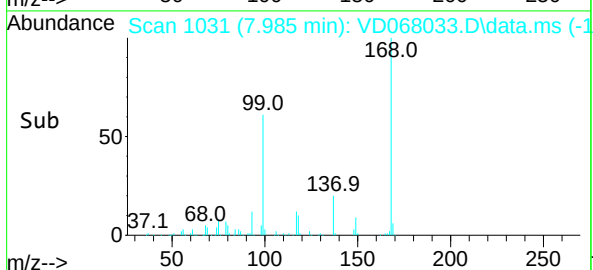
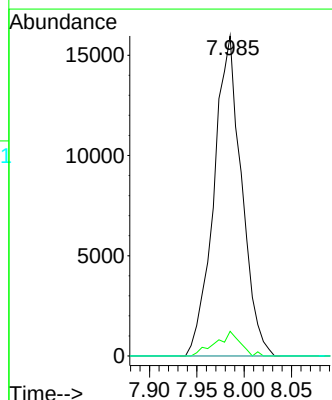
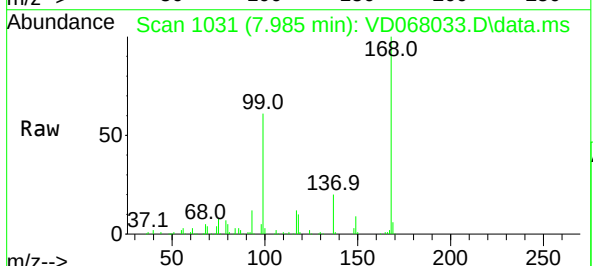
Instrument :
MSVOA_D
ClientSampled :
TP-4

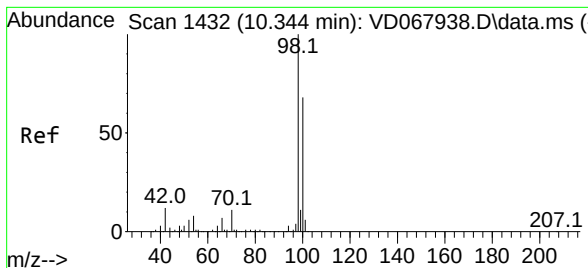
Tgt Ion: 75 Resp: 26018
Ion Ratio Lower Upper
75 100
110 8.4 17.0 51.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.71 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.117 min
Lab File: VD068033.D
Acq: 07 Jan 2021 14:45

Tgt Ion: 117 Resp: 32531
Ion Ratio Lower Upper
117 100
119 7.7 76.2 114.4#
121 0.0 25.9 38.9#

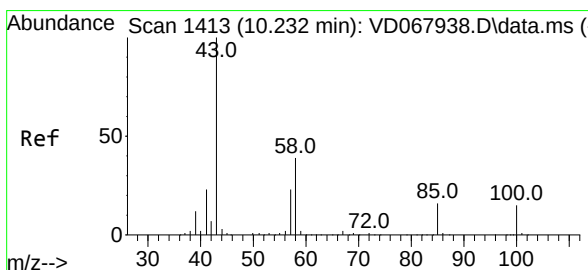
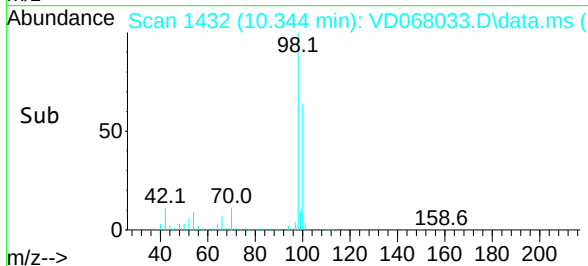
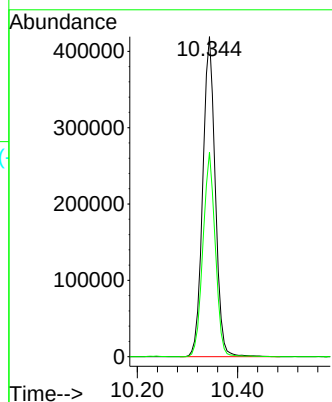
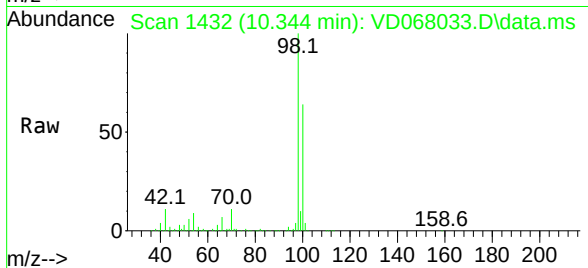




#50
Toluene-d8
Concen: 54.47 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068033.D
Acq: 07 Jan 2021 14:45

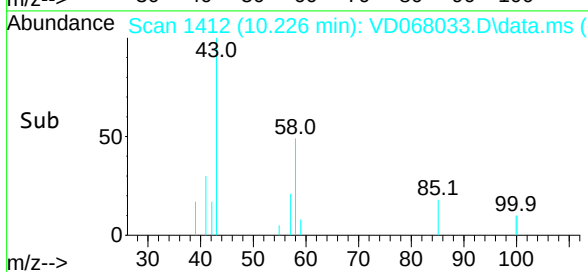
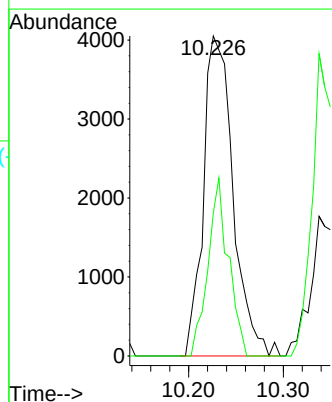
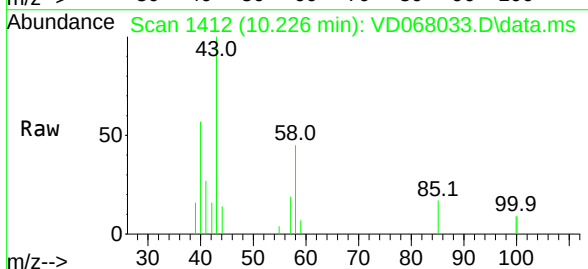
Instrument :
MSVOA_D
ClientSampled :
TP-4

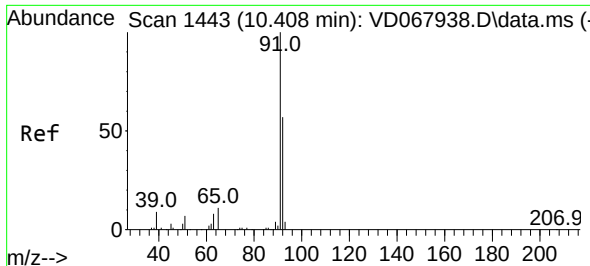
Tgt Ion: 98 Resp: 724404
Ion Ratio Lower Upper
98 100
100 63.2 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 3.84 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.006 min
Lab File: VD068033.D
Acq: 07 Jan 2021 14:45

Tgt Ion: 43 Resp: 8823
Ion Ratio Lower Upper
43 100
58 38.3 30.0 45.0

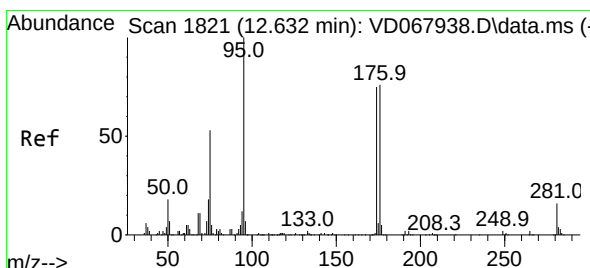
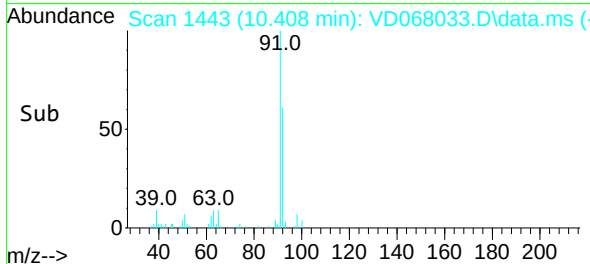
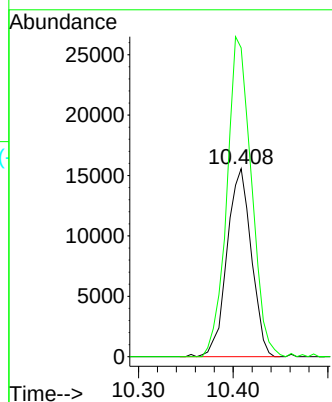
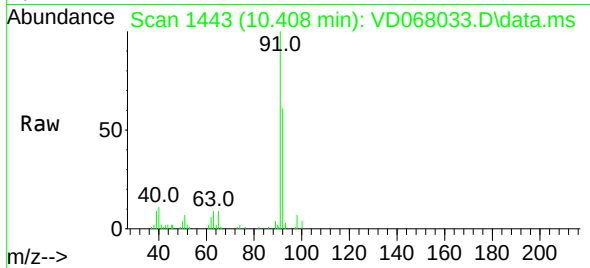




#52
Toluene
Concen: 2.60 ug/l
RT: 10.408 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VD068033.D
Acq: 07 Jan 2021 14:45

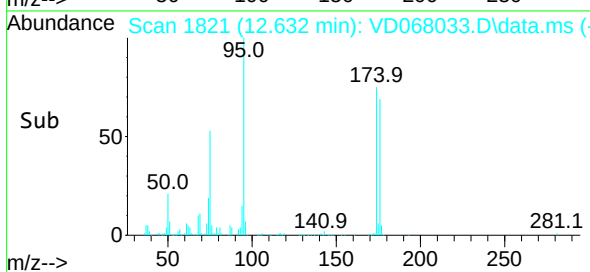
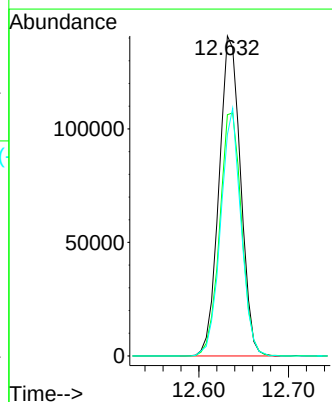
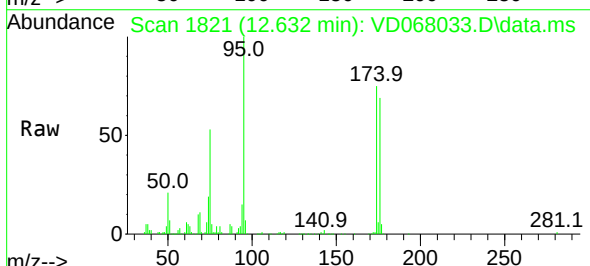
Instrument :
MSVOA_D
ClientSampled :
TP-4

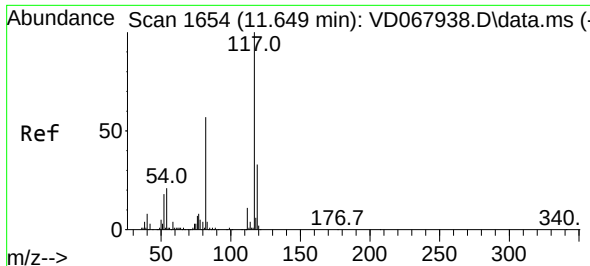
Tgt Ion: 92 Resp: 27777
Ion Ratio Lower Upper
92 100
91 171.4 138.5 207.7



#62
4-Bromofluorobenzene
Concen: 51.68 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068033.D
Acq: 07 Jan 2021 14:45

Tgt Ion: 95 Resp: 235092
Ion Ratio Lower Upper
95 100
174 77.1 0.0 150.6
176 72.8 0.0 151.2

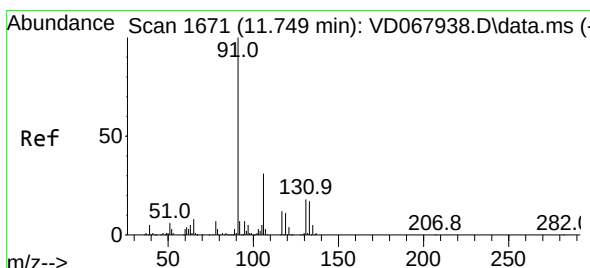
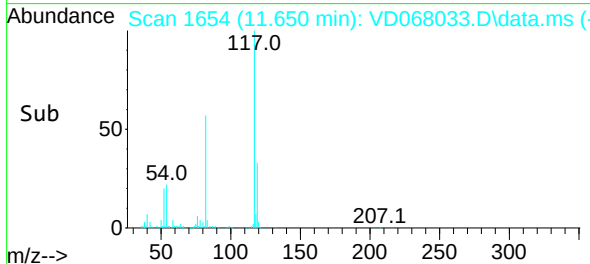
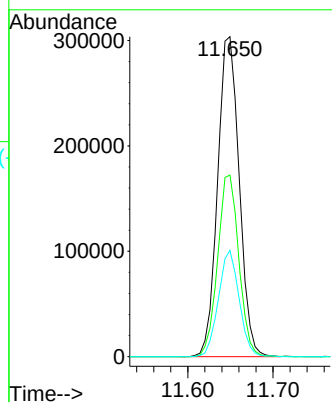
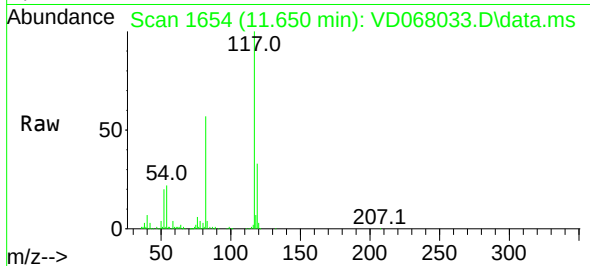




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.650 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068033.D
Acq: 07 Jan 2021 14:45

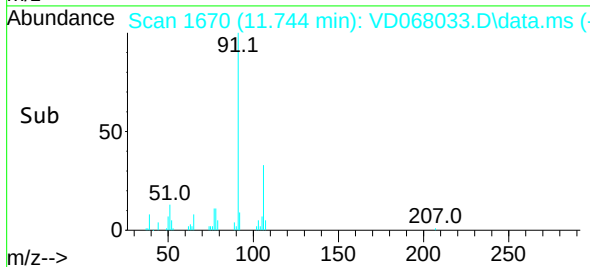
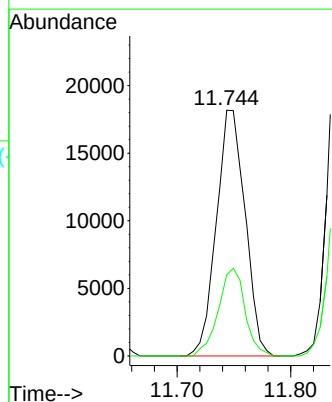
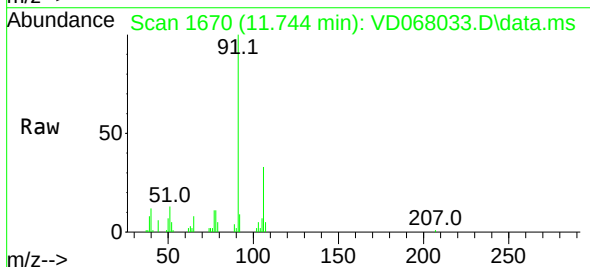
Instrument :
MSVOA_D
ClientSampled :
TP-4

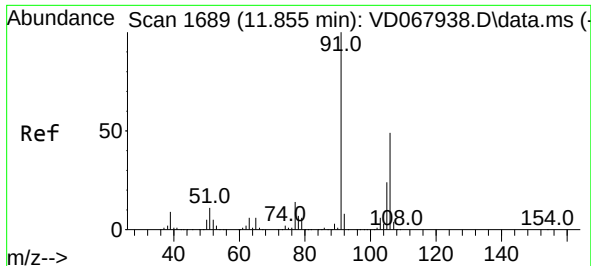
Tgt Ion:117 Resp: 535883
Ion Ratio Lower Upper
117 100
82 56.7 45.4 68.0
119 33.2 26.7 40.1



#67
Ethyl Benzene
Concen: 1.55 ug/l
RT: 11.744 min Scan# 1670
Delta R.T. -0.006 min
Lab File: VD068033.D
Acq: 07 Jan 2021 14:45

Tgt Ion: 91 Resp: 31967
Ion Ratio Lower Upper
91 100
106 33.1 24.6 37.0

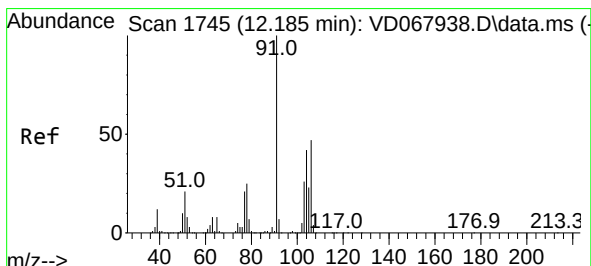
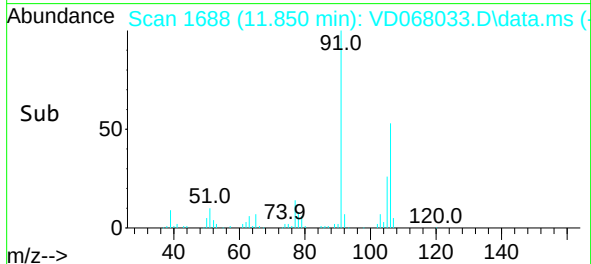
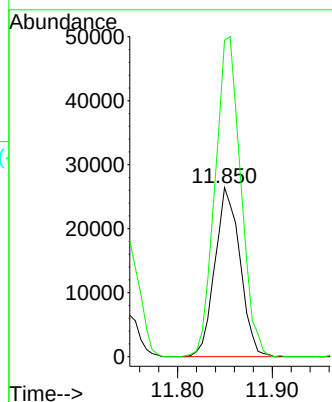
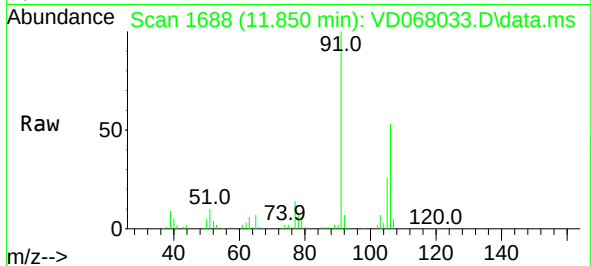




#68
m/p-Xylenes
Concen: 6.20 ug/l
RT: 11.850 min Scan# 1688
Delta R.T. -0.006 min
Lab File: VD068033.D
Acq: 07 Jan 2021 14:45

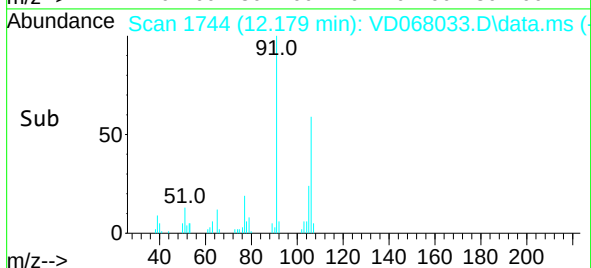
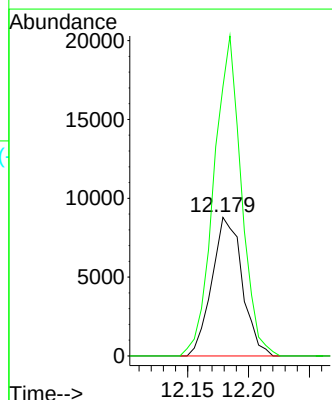
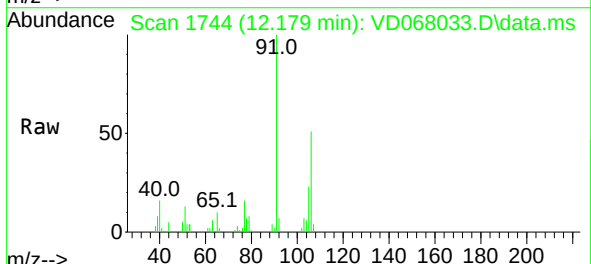
Instrument :
MSVOA_D
ClientSampled :
TP-4

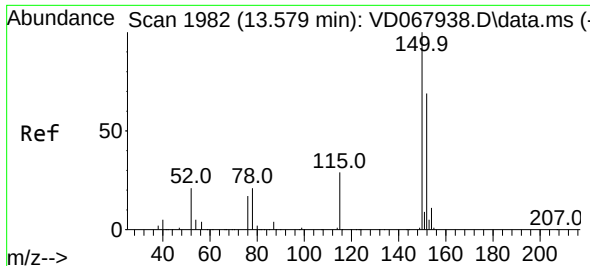
Tgt Ion:106 Resp: 48722
Ion Ratio Lower Upper
106 100
91 193.6 159.9 239.9



#69
o-Xylene
Concen: 2.17 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. -0.006 min
Lab File: VD068033.D
Acq: 07 Jan 2021 14:45

Tgt Ion:106 Resp: 15243
Ion Ratio Lower Upper
106 100
91 209.4 106.0 317.9

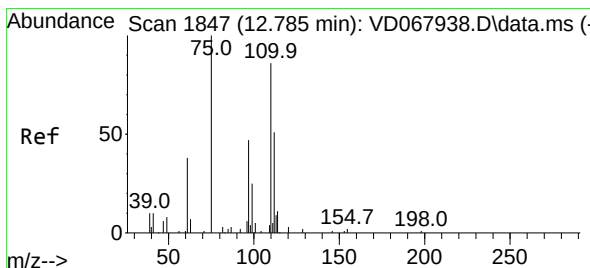
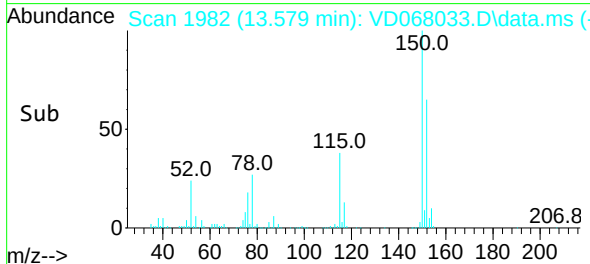
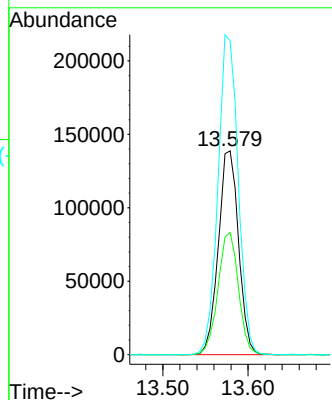
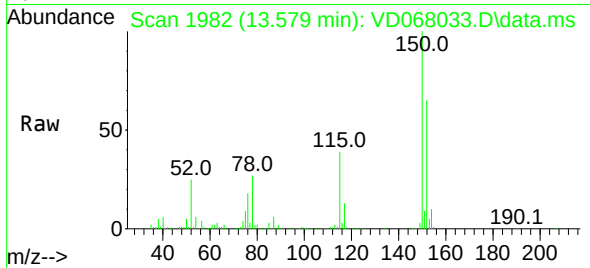




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.579 min Scan# 1982
Delta R.T. 0.000 min
Lab File: VD068033.D
Acq: 07 Jan 2021 14:45

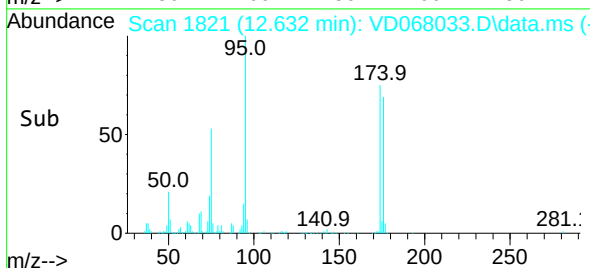
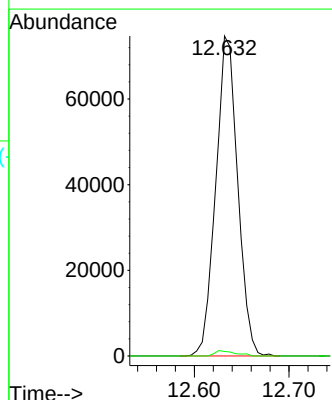
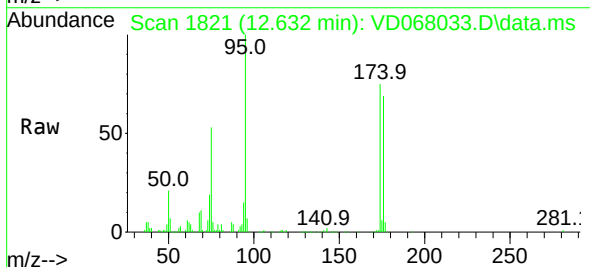
Instrument :
MSVOA_D
ClientSampled :
TP-4

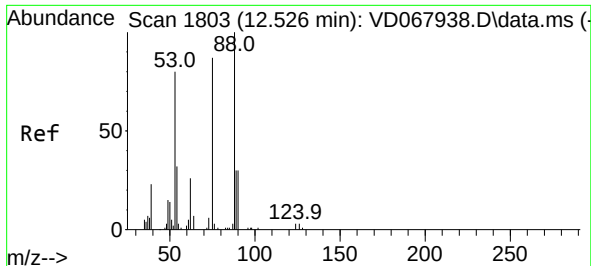
Tgt Ion:152 Resp: 228587
Ion Ratio Lower Upper
152 100
115 60.6 29.3 88.0
150 157.0 0.0 340.0



#76
1,2,3-Trichloropropane
Concen: 62.65 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068033.D
Acq: 07 Jan 2021 14:45

Tgt Ion: 75 Resp: 120578
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#

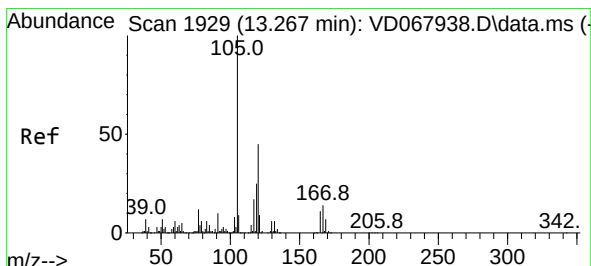
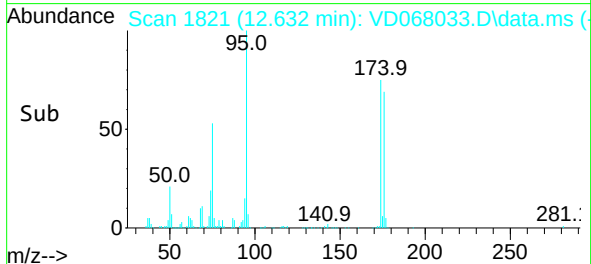
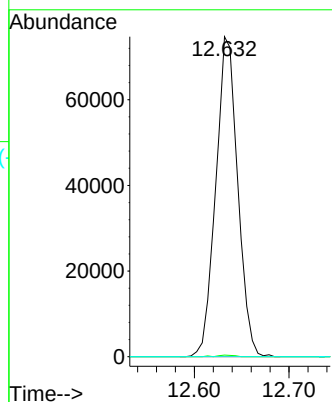
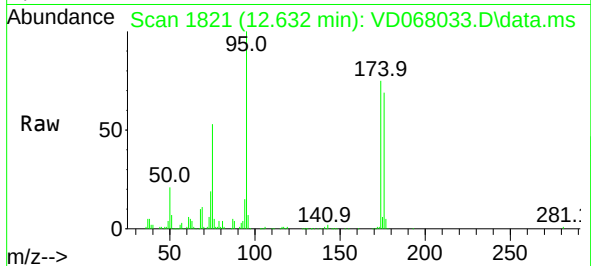




#81
trans-1,4-Dichloro-2-butene
Concen: 128.43 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068033.D
Acq: 07 Jan 2021 14:45

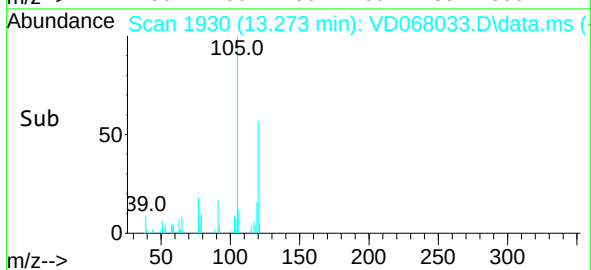
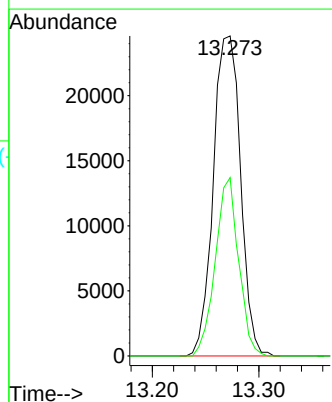
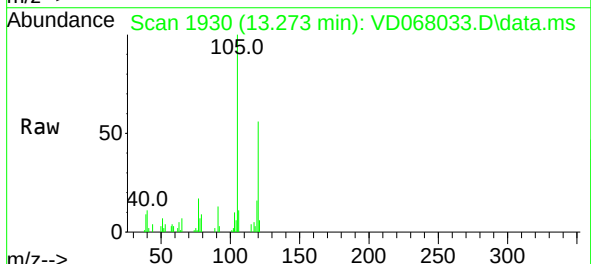
Instrument :
MSVOA_D
ClientSampled :
TP-4

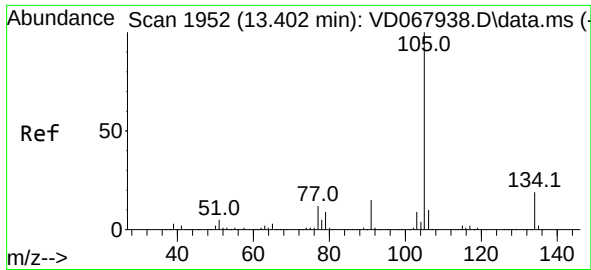
Tgt Ion: 75 Resp: 120578
Ion Ratio Lower Upper
75 100
53 0.4 74.9 112.3#
89 0.0 33.8 50.8#



#84
1,2,4-Trimethylbenzene
Concen: 3.09 ug/l
RT: 13.273 min Scan# 1930
Delta R.T. 0.006 min
Lab File: VD068033.D
Acq: 07 Jan 2021 14:45

Tgt Ion: 105 Resp: 43635
Ion Ratio Lower Upper
105 100
120 47.7 22.7 68.0





#85
sec-Butylbenzene
Concen: 2.57 ug/l
RT: 13.273 min Scan# 1930
Delta R.T. -0.129 min
Lab File: VD068033.D
Acq: 07 Jan 2021 14:45

Instrument :
MSVOA_D
ClientSampleId :
TP-4

Tgt Ion:105 Resp: 43635
Ion Ratio Lower Upper
105 100
134 0.1 9.7 29.1#

