

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD123020\
 Data File : VD067977.D
 Acq On : 30 Dec 2020 15:38
 Operator : VA/SY
 Sample : L5244-01
 Misc : 5.81G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-01-123020

Quant Time: Dec 31 00:16:09 2020
 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	7.979	168	198478	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	405178	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	364584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	147637	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	150026	70.00	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	140.00%
35) Dibromofluoromethane	7.914	113	148172	58.04	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	116.08%
50) Toluene-d8	10.343	98	513712	53.53	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	107.06%
62) 4-Bromofluorobenzene	12.632	95	153957	46.90	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	93.80%

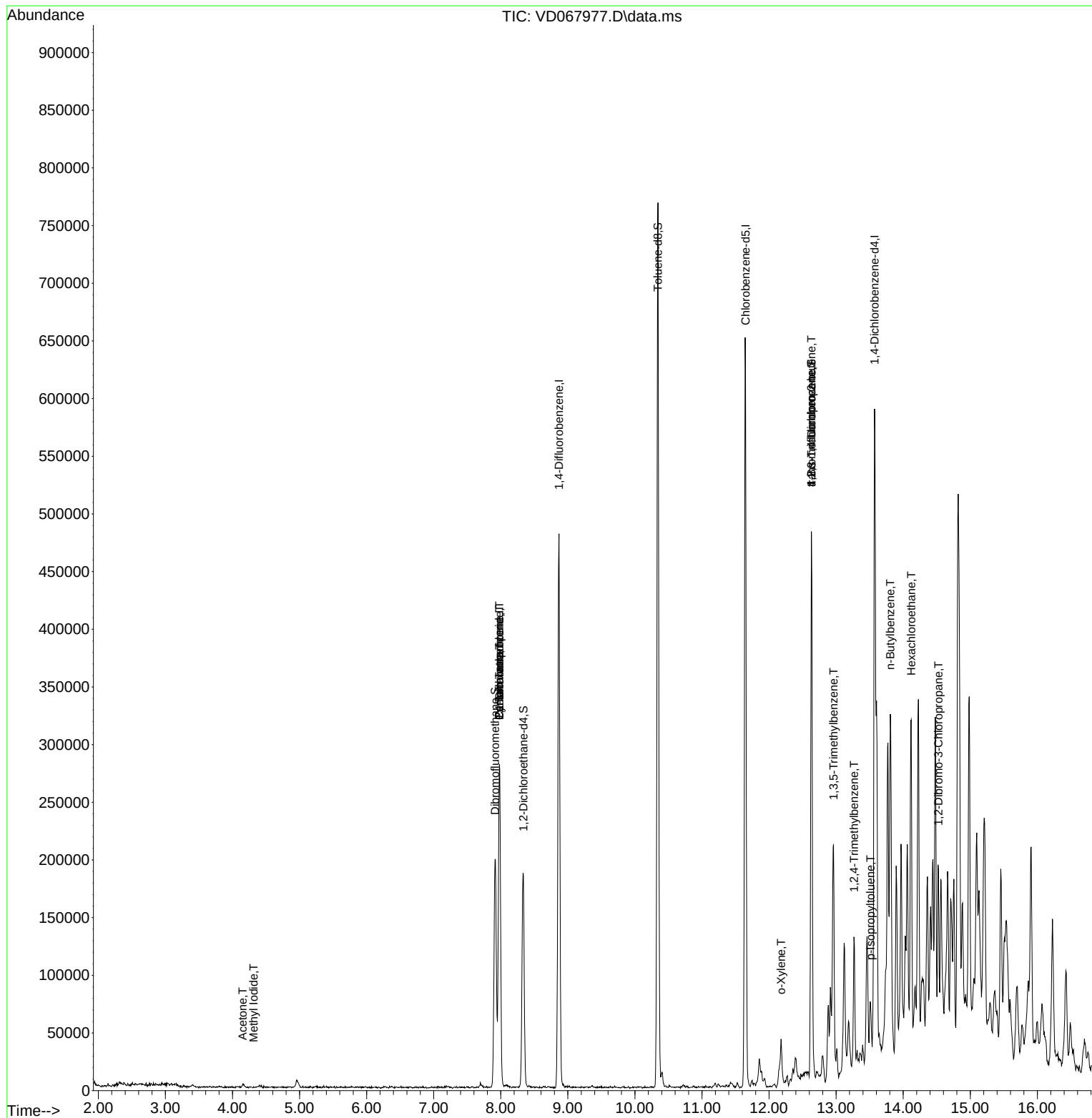
Target Compounds						Qvalue
5) Bromomethane	2.762	94	86	Below Cal	#	1
10) Methyl Iodide	4.314	142	88	3.89	ug/l #	41
11) Tert butyl alcohol	5.208	59	122	Below Cal	#	74
16) Acetone	4.150	43	1722	4.21	ug/l #	86
20) Methylene Chloride	4.967	84	2986	Below Cal		87
31) Cyclohexane	7.979	56	5761	1.31	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	17221	4.00	ug/l #	52
38) Carbon Tetrachloride	7.979	117	22377	5.44	ug/l #	16
69) o-Xylene	12.179	106	8995	1.88	ug/l	93
76) 1,2,3-Trichloropropane	12.632	75	79832	64.22	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.961	105	74979	8.24	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.632	75	79832	131.65	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.267	105	59789	6.55	ug/l	97
86) p-Isopropyltoluene	13.514	119	19419	2.01	ug/l	97
89) n-Butylbenzene	13.808	91	39579	4.14	ug/l #	1
90) Hexachloroethane	14.120	117	14089	7.15	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.526	75	873	2.74	ug/l #	4

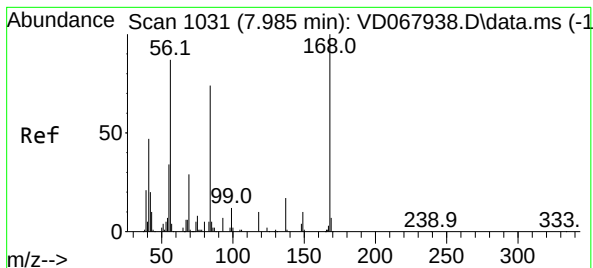
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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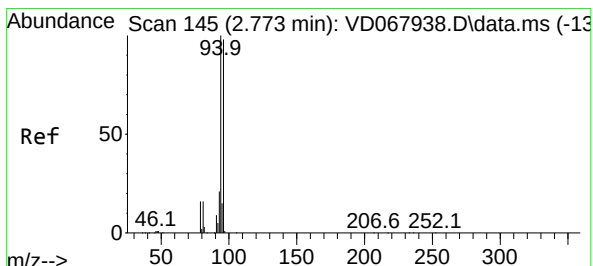
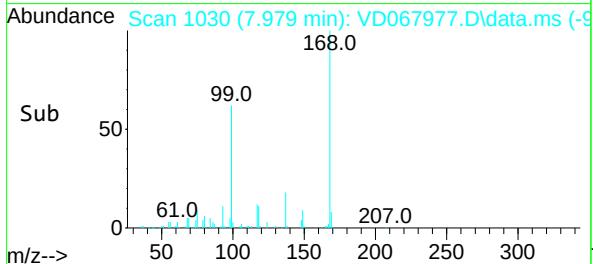
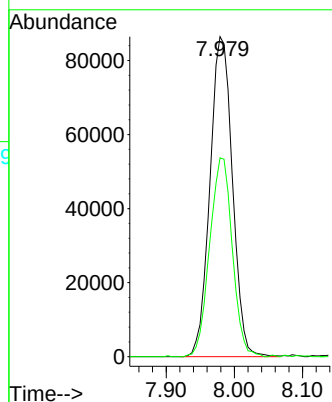
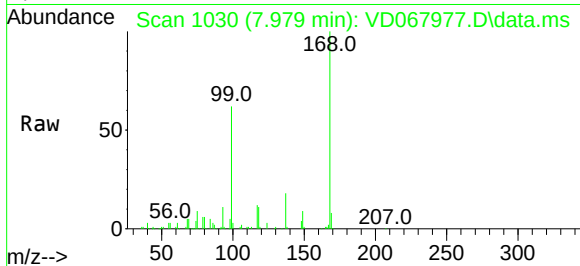




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD067977.D
Acq: 30 Dec 2020 15:38

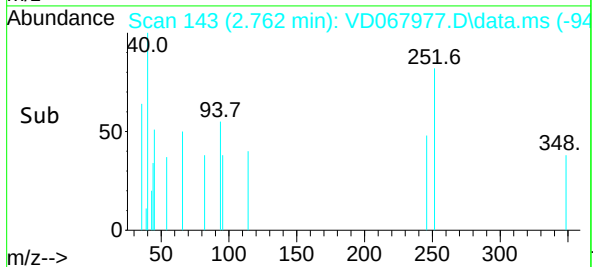
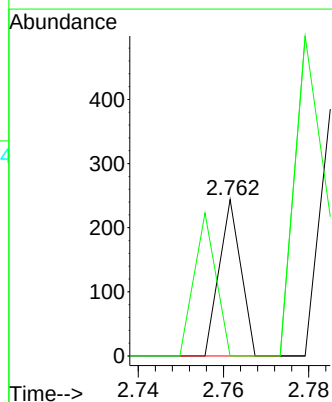
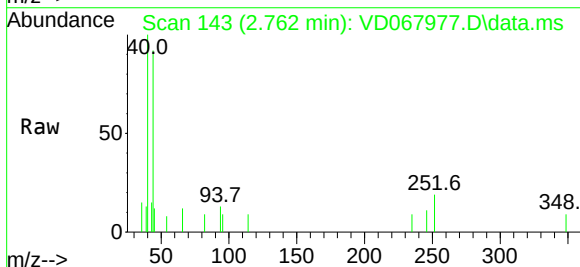
Instrument :
MSVOA_D
ClientSampleId :
HR-01-123020

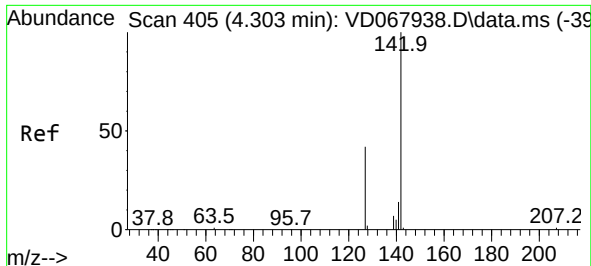
Tgt Ion:168 Resp: 198478
Ion Ratio Lower Upper
168 100
99 62.1 48.0 72.0



#5
Bromomethane
Concen: Below Cal
RT: 2.762 min Scan# 143
Delta R.T. -0.011 min
Lab File: VD067977.D
Acq: 30 Dec 2020 15:38

Tgt Ion: 94 Resp: 86
Ion Ratio Lower Upper
94 100
96 0.0 78.0 117.0#

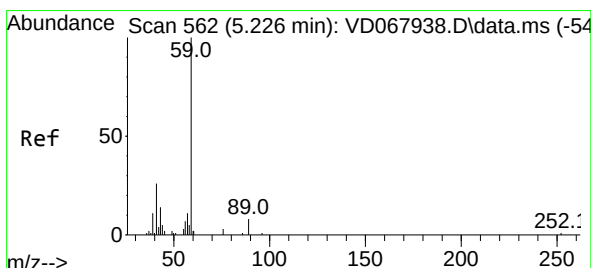
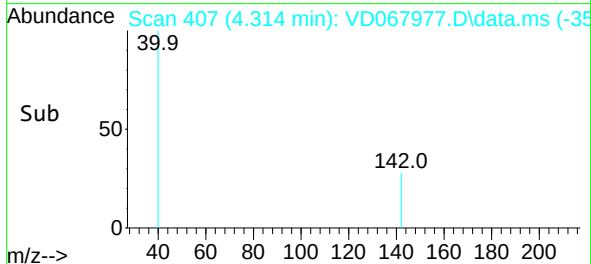
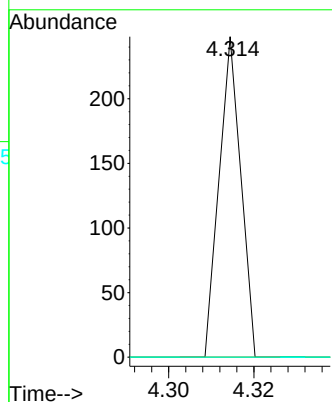
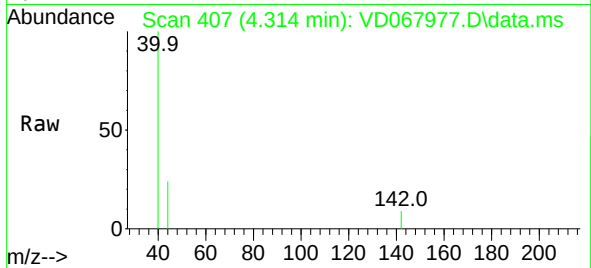




#10
Methyl Iodide
Concen: 3.89 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.011 min
Lab File: VD067977.D
Acq: 30 Dec 2020 15:38

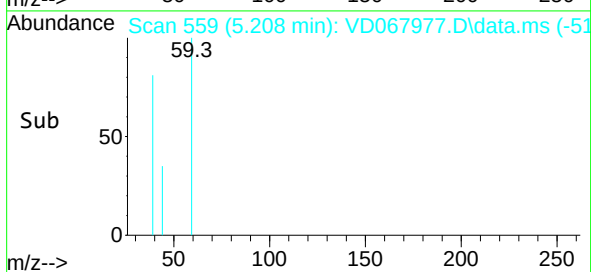
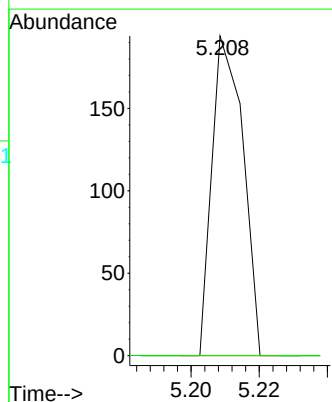
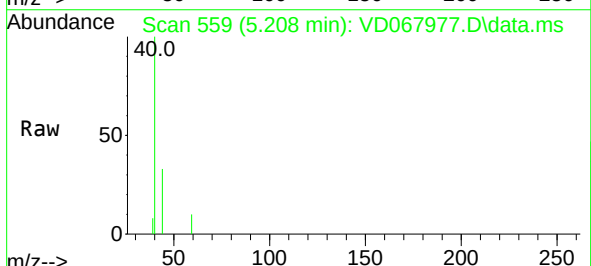
Instrument :
MSVOA_D
ClientSampleId :
HR-01-123020

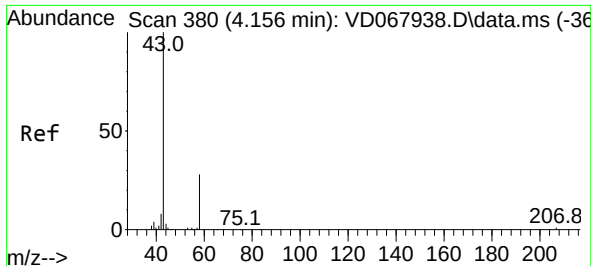
Tgt Ion:142 Resp: 88
Ion Ratio Lower Upper
142 100
127 0.0 34.4 51.6#
141 0.0 11.8 17.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.208 min Scan# 559
Delta R.T. -0.018 min
Lab File: VD067977.D
Acq: 30 Dec 2020 15:38

Tgt Ion: 59 Resp: 122
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

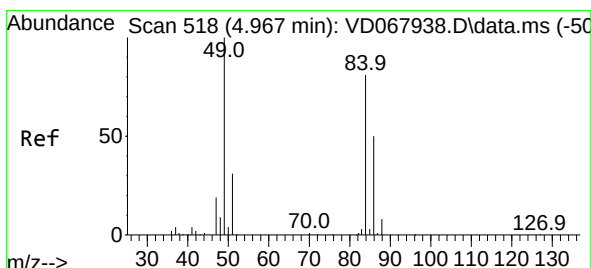
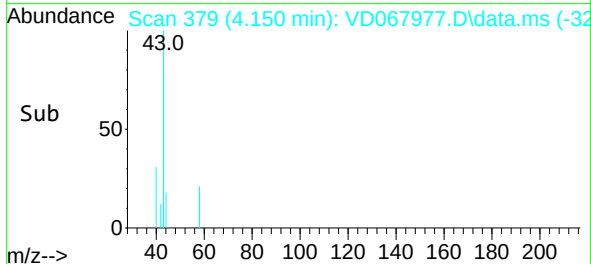
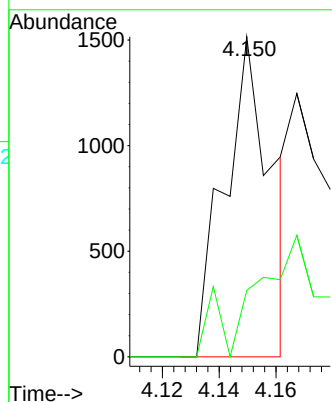
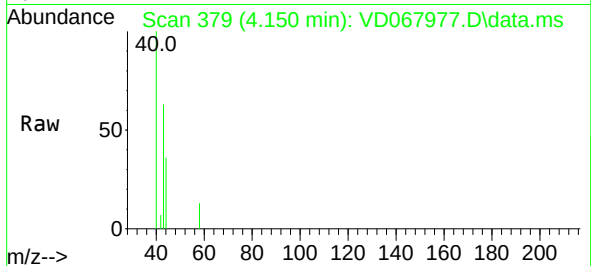




#16
Acetone
Concen: 4.21 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD067977.D
Acq: 30 Dec 2020 15:38

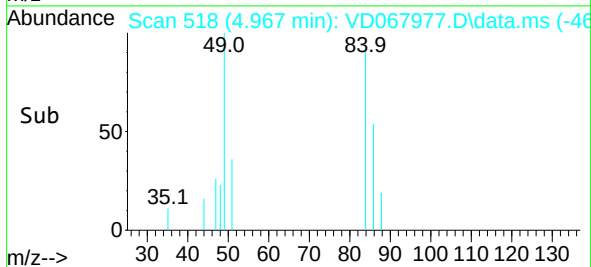
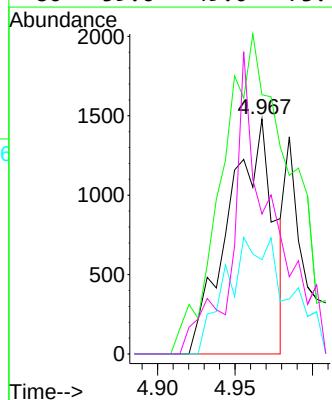
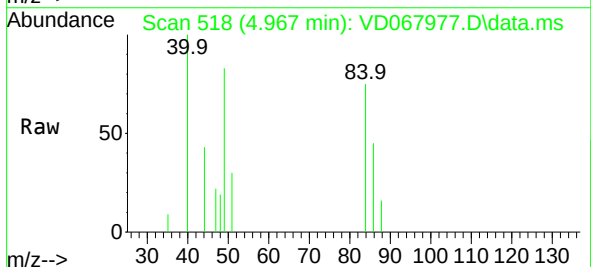
Instrument :
MSVOA_D
ClientSampleId :
HR-01-123020

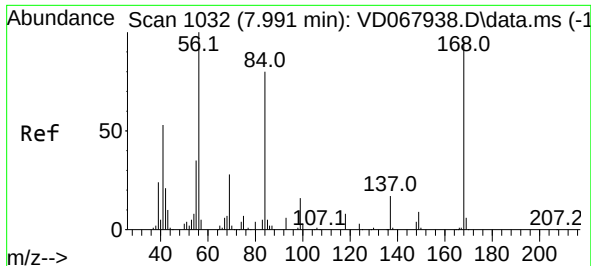
Tgt Ion: 43 Resp: 1722
Ion Ratio Lower Upper
43 100
58 20.7 22.3 33.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.000 min
Lab File: VD067977.D
Acq: 30 Dec 2020 15:38

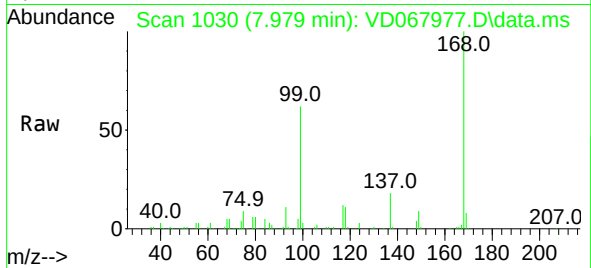
Tgt Ion: 84 Resp: 2986
Ion Ratio Lower Upper
84 100
49 99.5 98.3 147.5
51 40.2 30.3 45.5
86 59.6 49.0 73.4



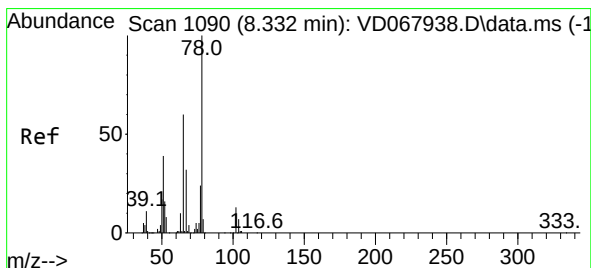
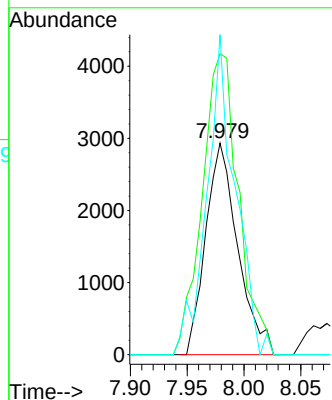
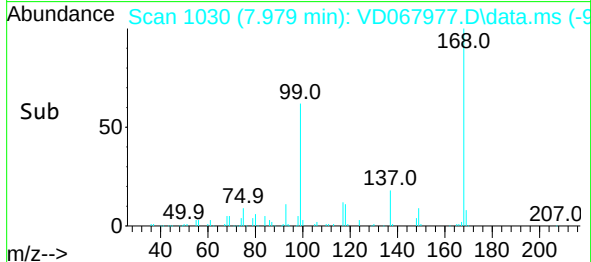


#31
Cyclohexane
Concen: 1.31 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.012 min
Lab File: VD067977.D
Acq: 30 Dec 2020 15:38

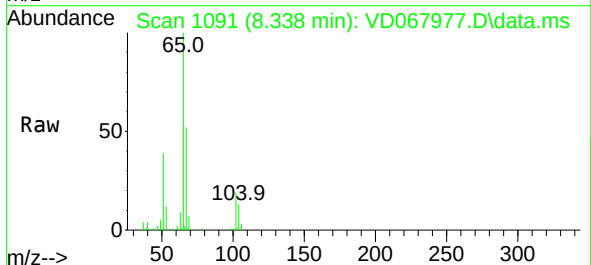
Instrument :
MSVOA_D
ClientSampleId :
HR-01-123020



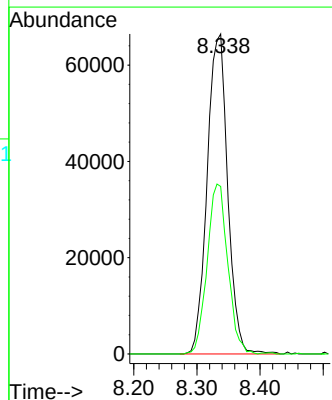
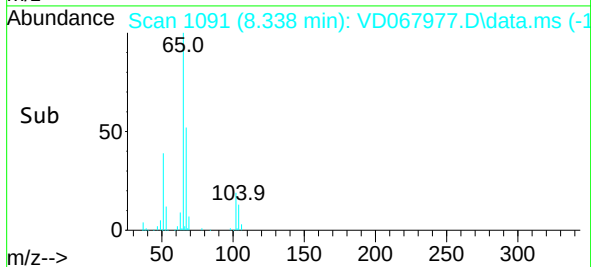
Tgt Ion:	56	Resp:	5761
Ion Ratio	100	Lower	Upper
56	100		
69	142.3	22.7	34.1#
84	151.3	64.2	96.4#

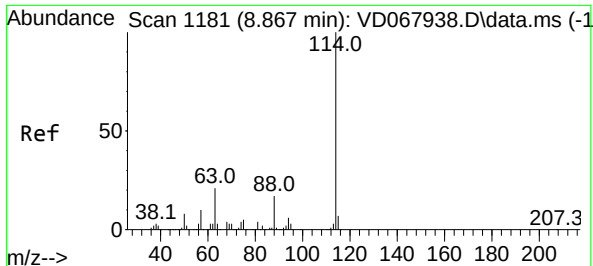


#33
1,2-Dichloroethane-d4
Concen: 70.00 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VD067977.D
Acq: 30 Dec 2020 15:38



Tgt Ion:	65	Resp:	150026
Ion Ratio	100	Lower	Upper
65	100		
67	53.3	0.0	110.0

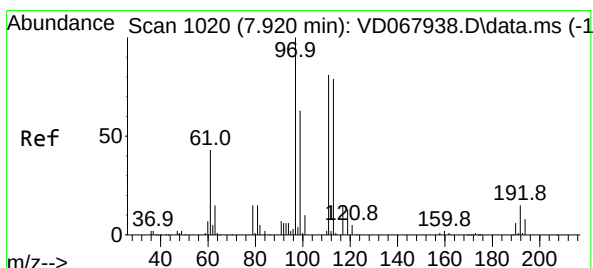
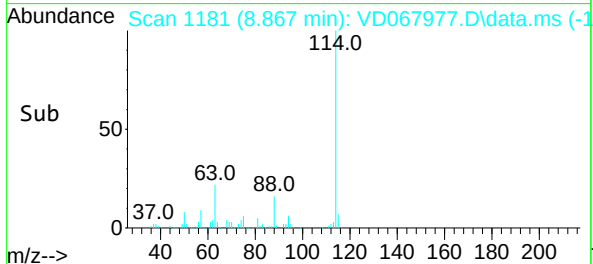
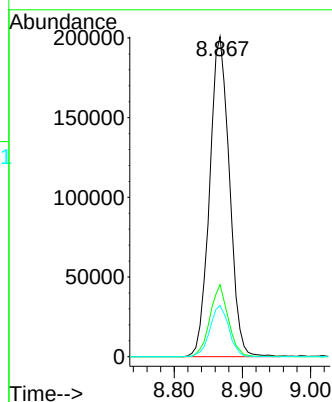
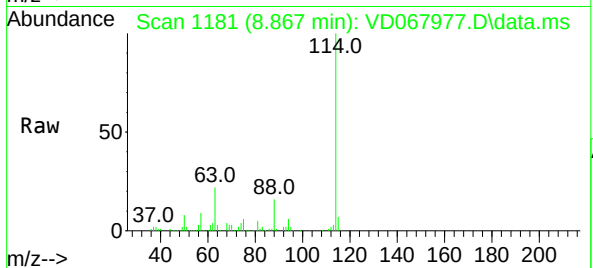




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. -0.000 min
Lab File: VD067977.D
Acq: 30 Dec 2020 15:38

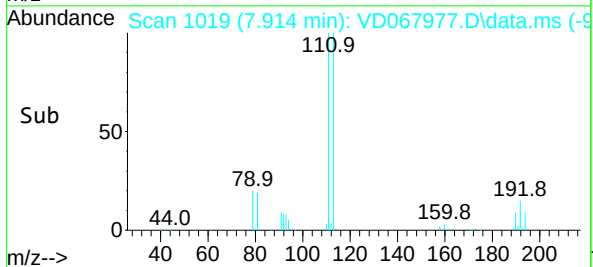
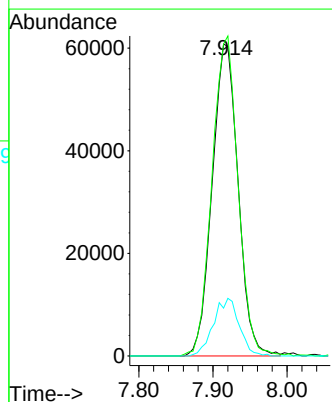
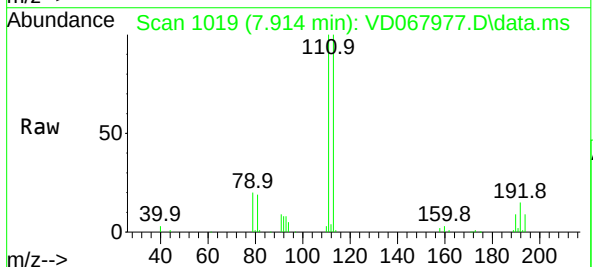
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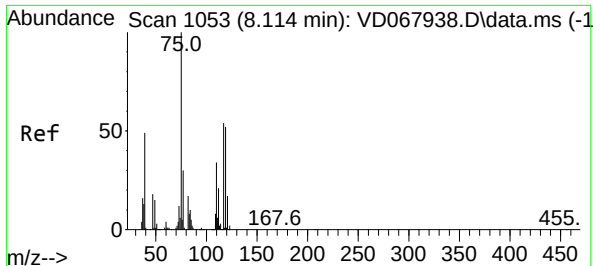
Tgt Ion:	114	Resp:	405178
Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	41.4
88	16.0	0.0	33.2



#35
Dibromofluoromethane
Concen: 58.04 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD067977.D
Acq: 30 Dec 2020 15:38

Tgt Ion:	113	Resp:	148172
Ion	Ratio	Lower	Upper
113	100		
111	102.5	79.3	118.9
192	18.3	14.5	21.7

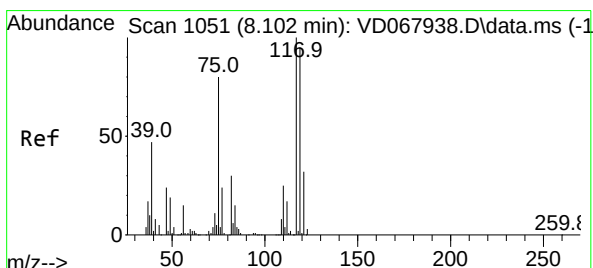
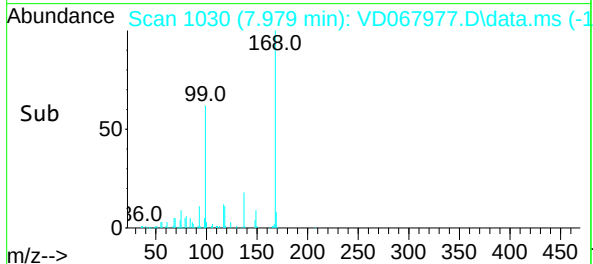
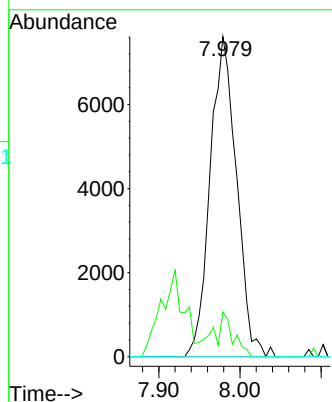
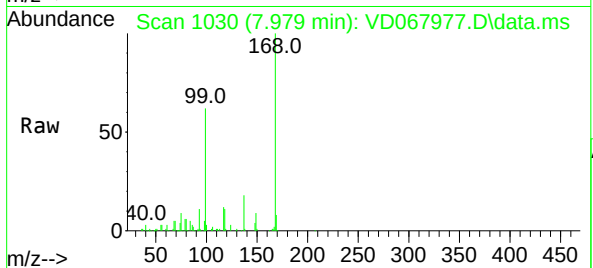




#36
1,1-Dichloropropene
Concen: 4.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD067977.D
Acq: 30 Dec 2020 15:38

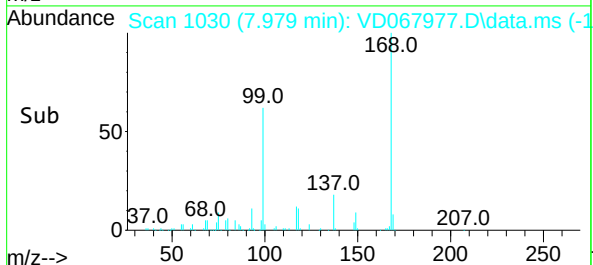
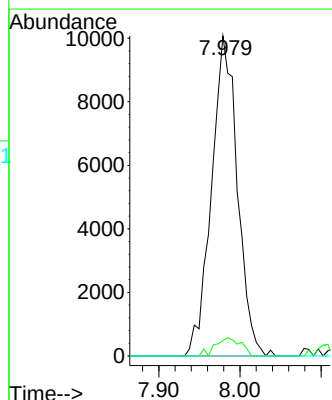
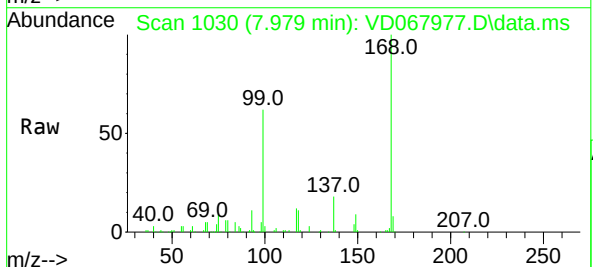
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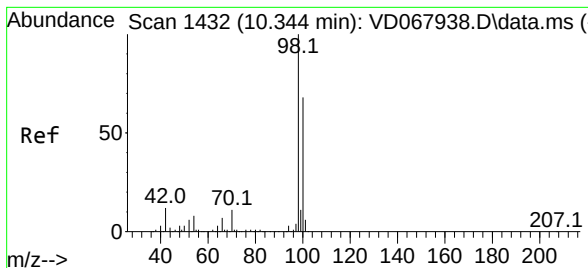
Tgt Ion: 75 Resp: 17221
Ion Ratio Lower Upper
75 100
110 10.4 17.0 51.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.44 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.124 min
Lab File: VD067977.D
Acq: 30 Dec 2020 15:38

Tgt Ion: 117 Resp: 22377
Ion Ratio Lower Upper
117 100
119 4.8 76.2 114.4#
121 0.0 25.9 38.9#

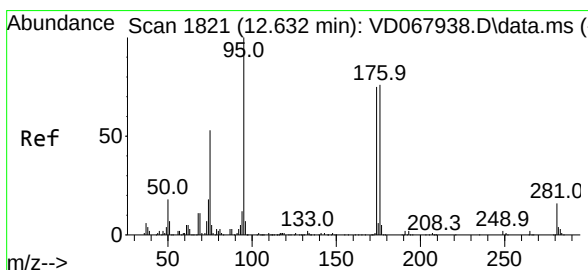
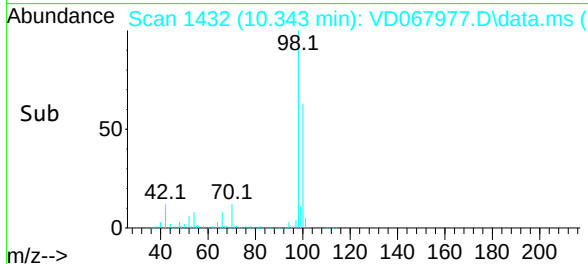
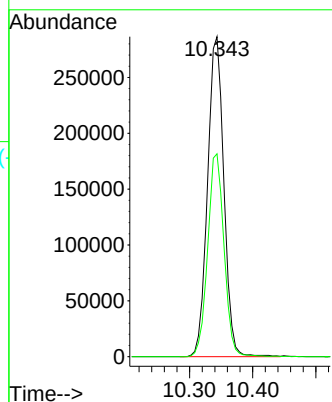
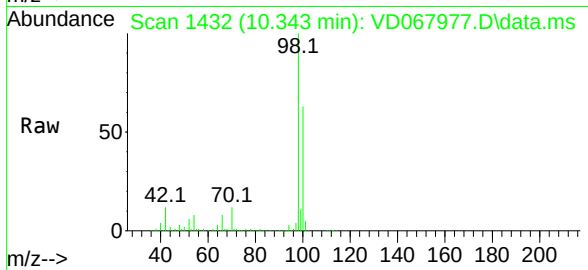




#50
Toluene-d8
Concen: 53.53 ug/l
RT: 10.343 min Scan# 1432
Delta R.T. -0.000 min
Lab File: VD067977.D
Acq: 30 Dec 2020 15:38

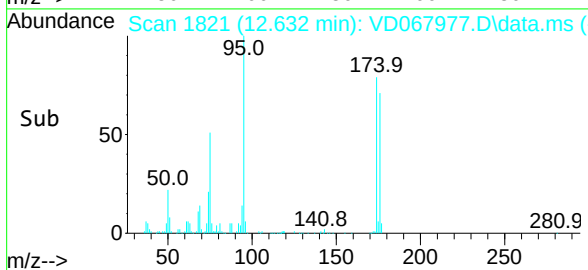
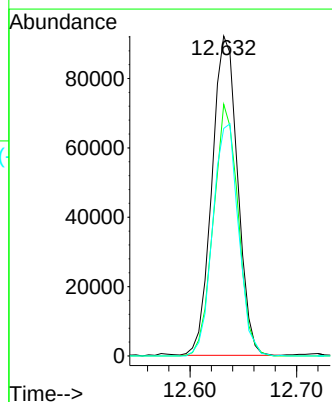
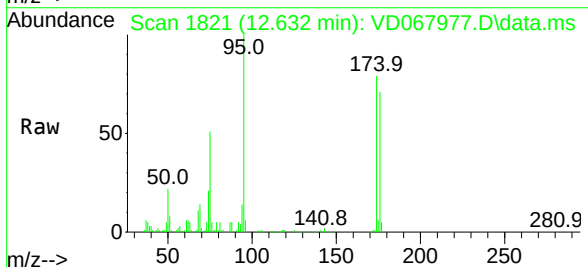
Instrument :
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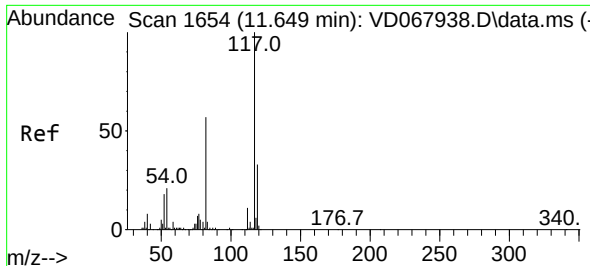
Tgt Ion: 98 Resp: 513712
Ion Ratio Lower Upper
98 100
100 63.6 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 46.90 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VD067977.D
Acq: 30 Dec 2020 15:38

Tgt Ion: 95 Resp: 153957
Ion Ratio Lower Upper
95 100
174 75.9 0.0 150.6
176 72.9 0.0 151.2

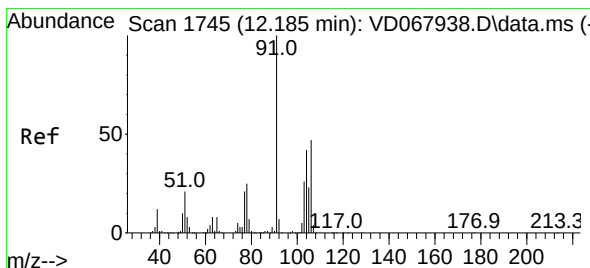
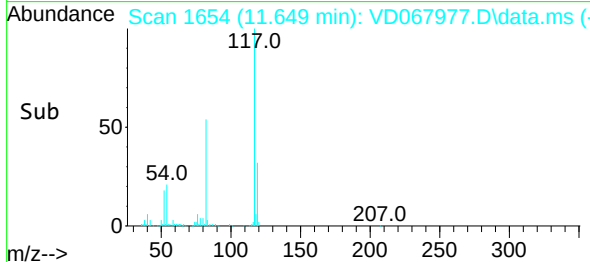
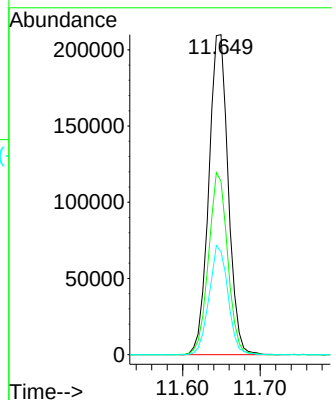
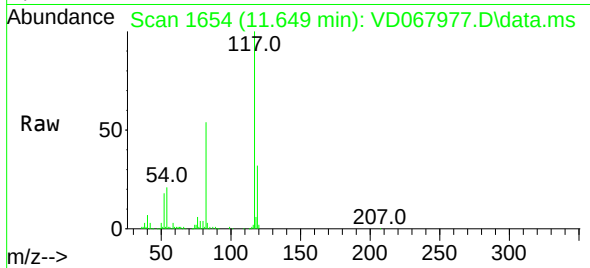




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. -0.000 min
Lab File: VD067977.D
Acq: 30 Dec 2020 15:38

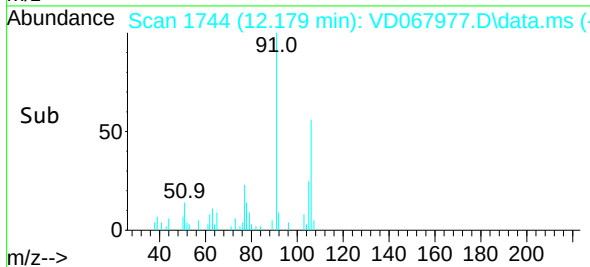
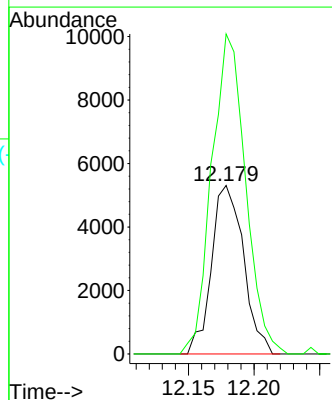
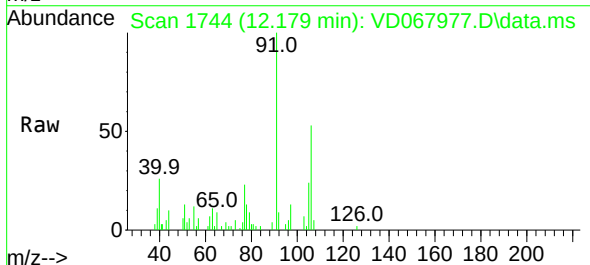
Instrument :
MSVOA_D
ClientSampleId :
HR-01-123020

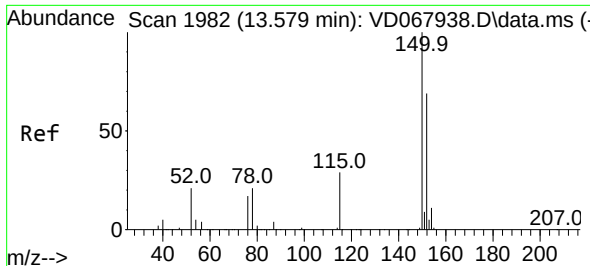
Tgt Ion:117 Resp: 364584
Ion Ratio Lower Upper
117 100
82 54.1 45.4 68.0
119 32.2 26.7 40.1



#69
o-Xylene
Concen: 1.88 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. -0.006 min
Lab File: VD067977.D
Acq: 30 Dec 2020 15:38

Tgt Ion:106 Resp: 8995
Ion Ratio Lower Upper
106 100
91 200.8 106.0 317.9

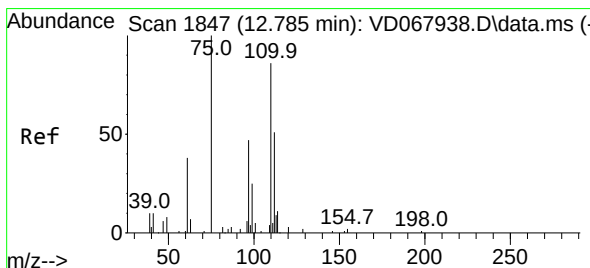
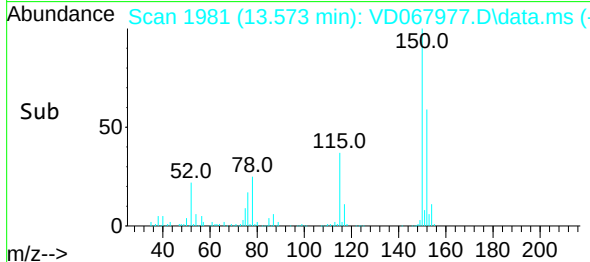
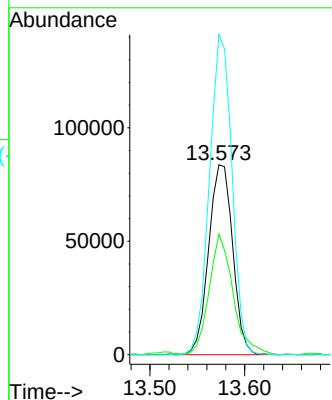
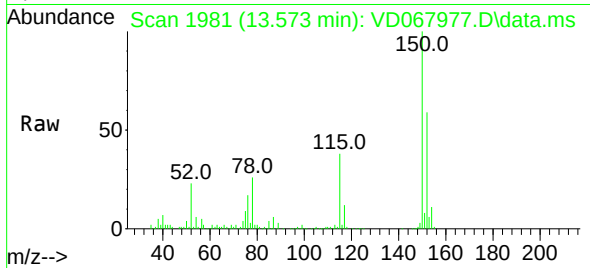




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.006 min
Lab File: VD067977.D
Acq: 30 Dec 2020 15:38

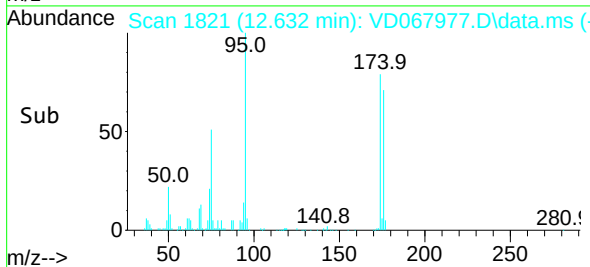
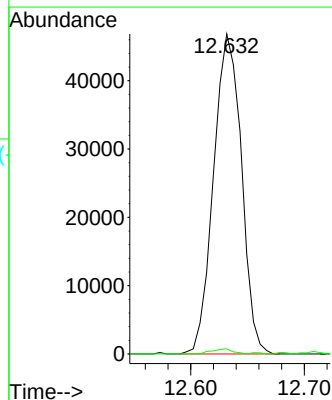
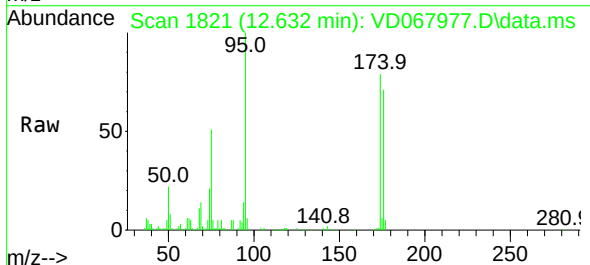
Instrument :
MSVOA_D
ClientSampleId :
HR-01-123020

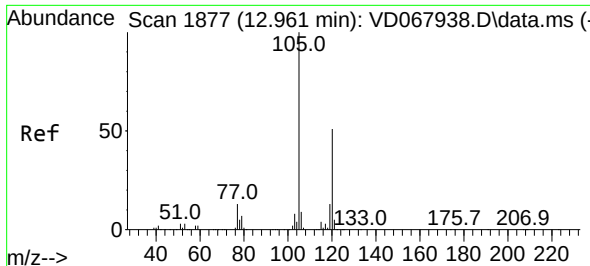
Tgt Ion:152 Resp: 147637
Ion Ratio Lower Upper
152 100
115 63.1 29.3 88.0
150 157.8 0.0 340.0



#76
1,2,3-Trichloropropane
Concen: 64.22 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD067977.D
Acq: 30 Dec 2020 15:38

Tgt Ion: 75 Resp: 79832
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

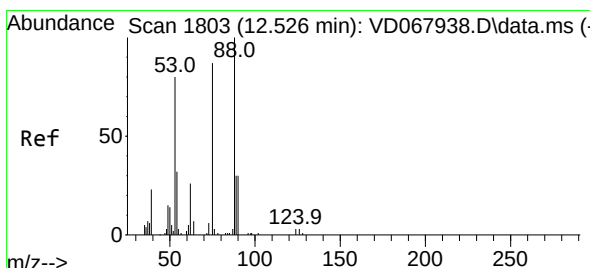
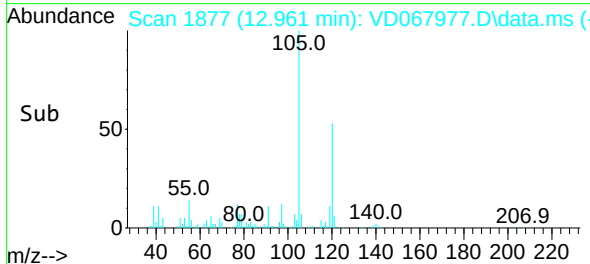
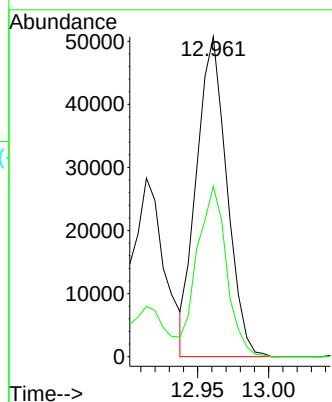
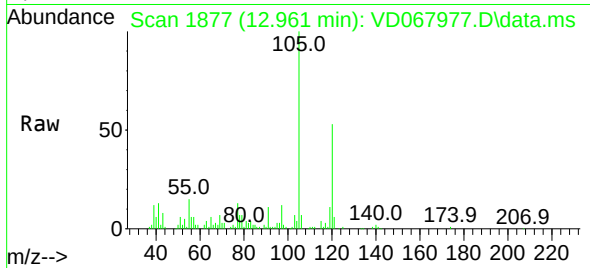




#80
1,3,5-Trimethylbenzene
Concen: 8.24 ug/l
RT: 12.961 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VD067977.D
Acq: 30 Dec 2020 15:38

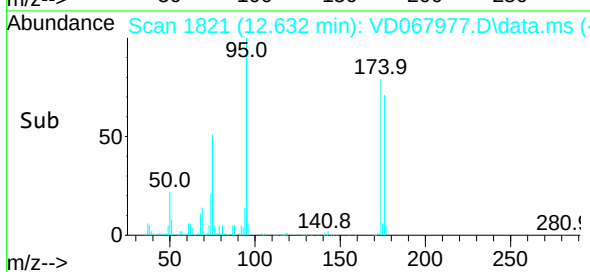
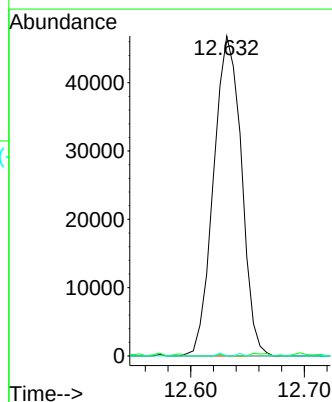
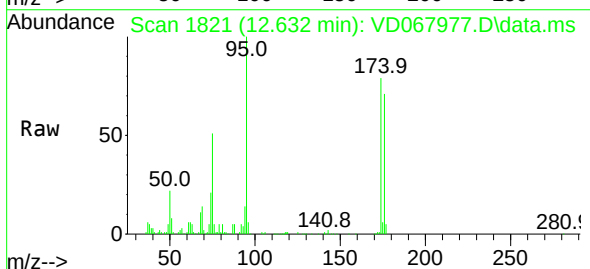
Instrument :
MSVOA_D
ClientSampleId :
HR-01-123020

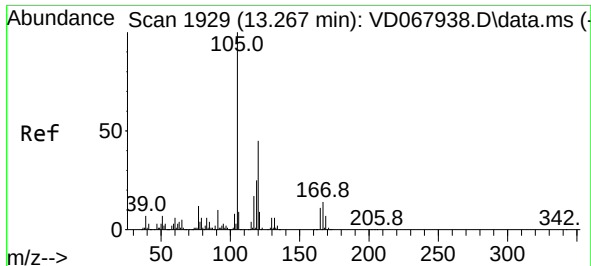
Tgt Ion:105 Resp: 74979
Ion Ratio Lower Upper
105 100
120 51.5 24.9 74.6



#81
trans-1,4-Dichloro-2-butene
Concen: 131.65 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD067977.D
Acq: 30 Dec 2020 15:38

Tgt Ion: 75 Resp: 79832
Ion Ratio Lower Upper
75 100
53 0.1 74.9 112.3#
89 0.2 33.8 50.8#

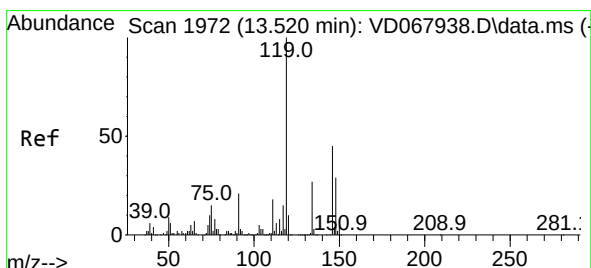
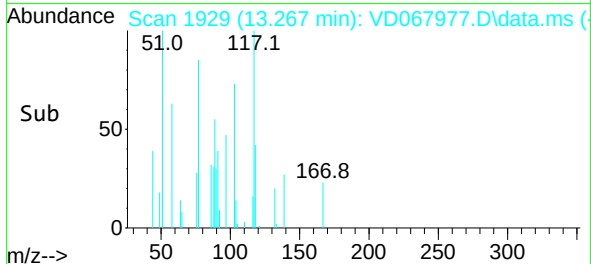
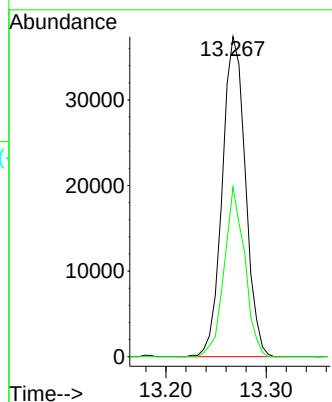
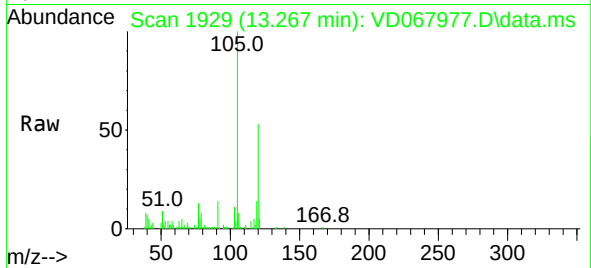




#84
1,2,4-Trimethylbenzene
Concen: 6.55 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. -0.000 min
Lab File: VD067977.D
Acq: 30 Dec 2020 15:38

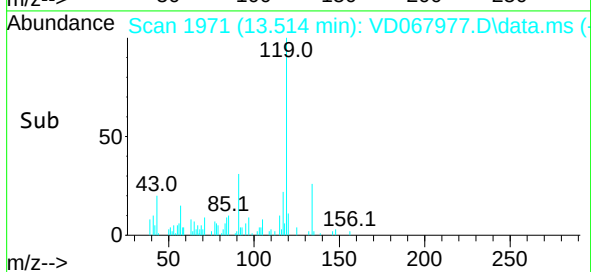
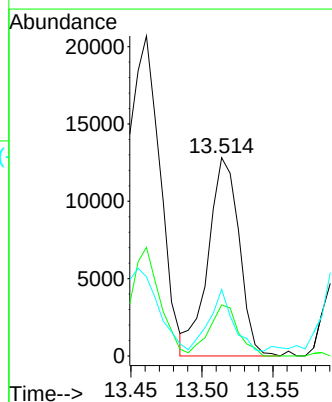
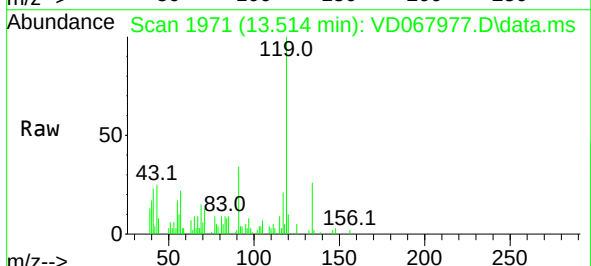
Instrument :
MSVOA_D
ClientSampleId :
HR-01-123020

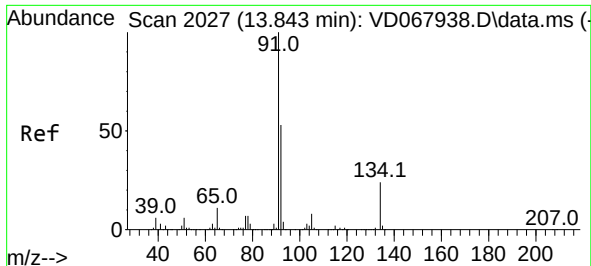
Tgt Ion:105 Resp: 59789
Ion Ratio Lower Upper
105 100
120 47.0 22.7 68.0



#86
p-Isopropyltoluene
Concen: 2.01 ug/l
RT: 13.514 min Scan# 1971
Delta R.T. -0.006 min
Lab File: VD067977.D
Acq: 30 Dec 2020 15:38

Tgt Ion:119 Resp: 19419
Ion Ratio Lower Upper
119 100
134 24.3 13.3 39.9
91 23.6 11.4 34.2

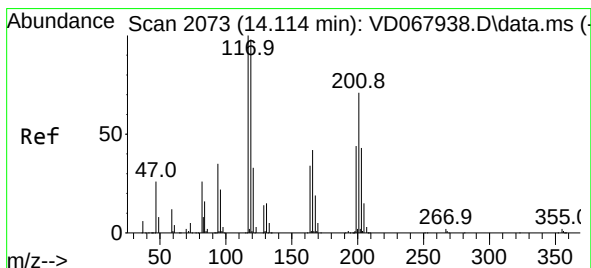
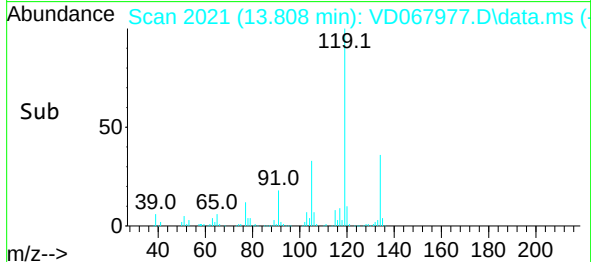
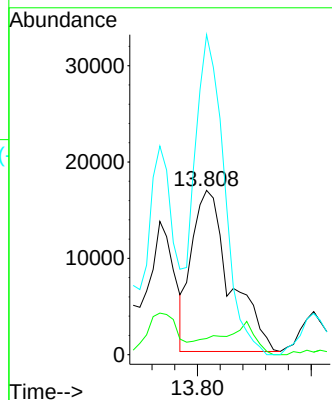
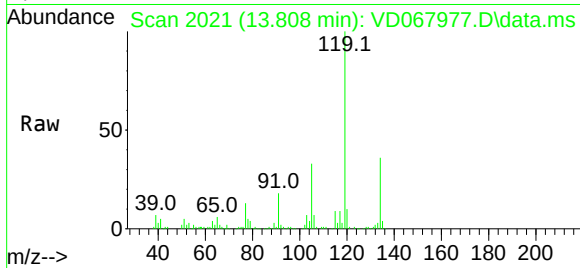




#89
n-Butylbenzene
Concen: 4.14 ug/l
RT: 13.808 min Scan# 2021
Delta R.T. -0.035 min
Lab File: VD067977.D
Acq: 30 Dec 2020 15:38

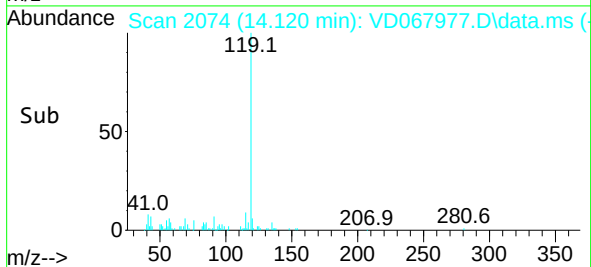
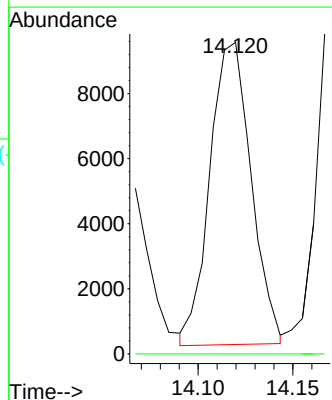
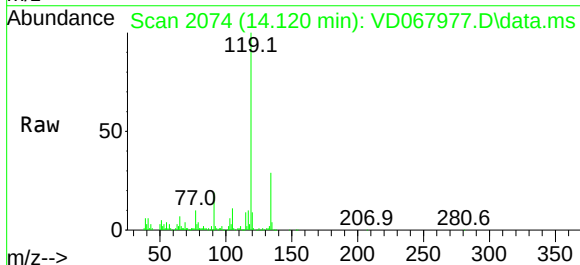
Instrument :
MSVOA_D
ClientSampleId :
HR-01-123020

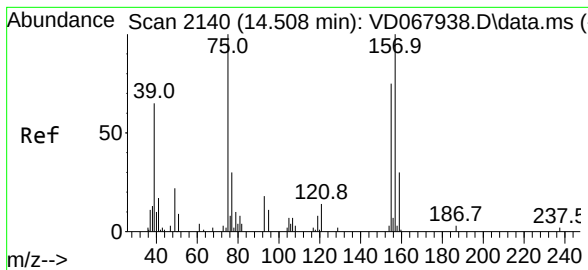
Tgt Ion: 91 Resp: 39579
Ion Ratio Lower Upper
91 100
92 0.0 26.8 80.3#
134 155.1 12.3 36.9#



#90
Hexachloroethane
Concen: 7.15 ug/l
RT: 14.120 min Scan# 2074
Delta R.T. 0.006 min
Lab File: VD067977.D
Acq: 30 Dec 2020 15:38

Tgt Ion: 117 Resp: 14089
Ion Ratio Lower Upper
117 100
201 0.0 34.3 102.8#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.74 ug/l
 RT: 14.526 min Scan# 2143
 Delta R.T. 0.018 min
 Lab File: VD067977.D
 Acq: 30 Dec 2020 15:38

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-01-123020

Tgt Ion: 75 Resp: 873
 Ion Ratio Lower Upper
 75 100
 155 0.0 39.8 119.3#
 157 0.0 50.6 151.9#

