

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD123020\
 Data File : VD067976.D
 Acq On : 30 Dec 2020 15:10
 Operator : VA/SY
 Sample : L5242-06
 Misc : 5.59G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-3(474+26)VOC-GRAB

Quant Time: Dec 31 00:15:53 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)

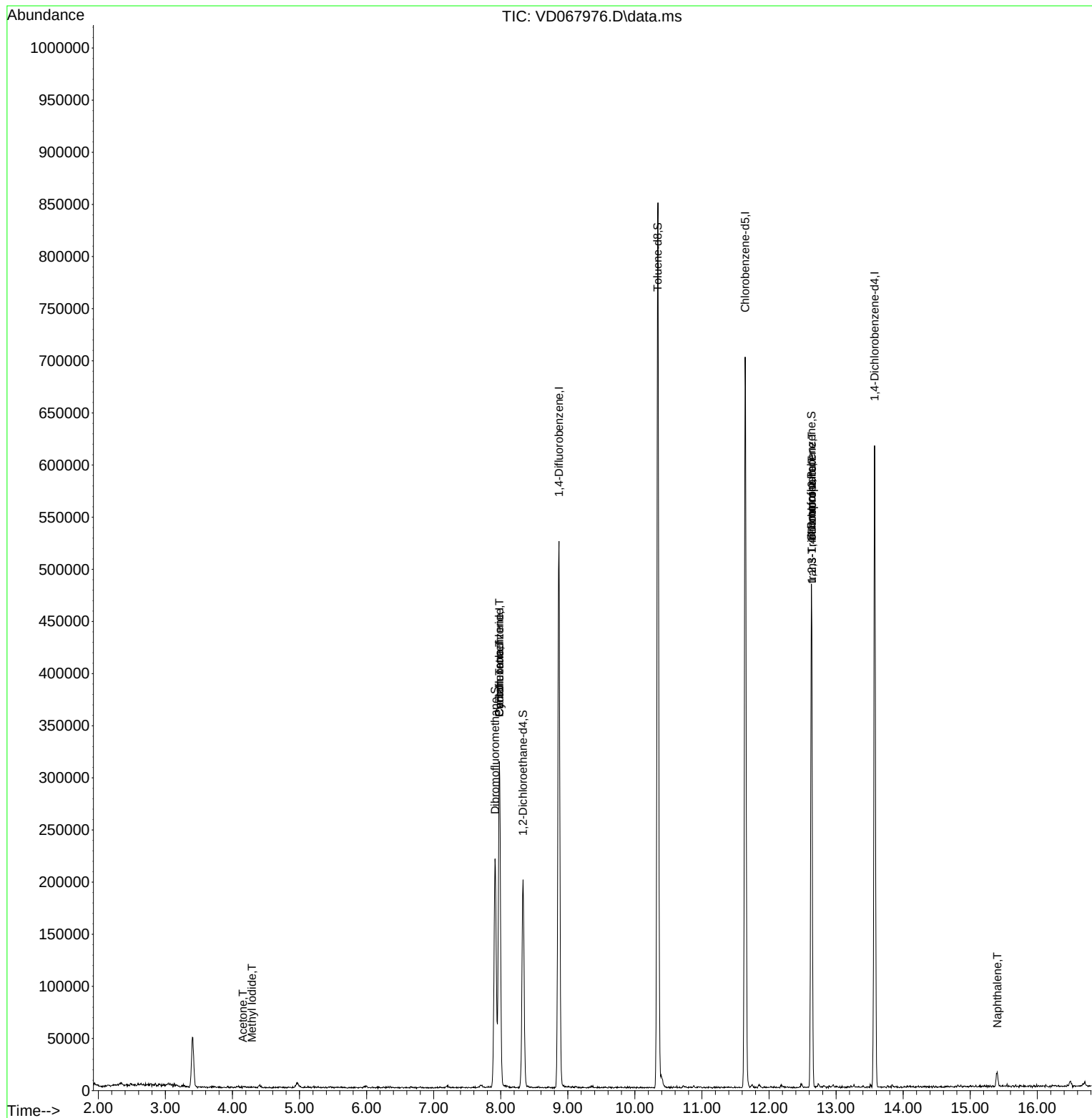
Internal Standards						
1) Pentafluorobenzene	7.979	168	219340	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	438095	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	398879	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	154162	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	155825	65.79	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	131.58%
35) Dibromofluoromethane	7.914	113	155584	56.36	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.72%
50) Toluene-d8	10.338	98	564304	54.39	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	108.78%
62) 4-Bromofluorobenzene	12.632	95	157832	44.47	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	88.94%
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	779	Below Cal		88
10) Methyl Iodide	4.291	142	330	3.97 ug/l #		41
11) Tert butyl alcohol	5.221	59	176	Below Cal	#	74
16) Acetone	4.156	43	533	1.18 ug/l #		86
20) Methylene Chloride	4.968	84	3389	Below Cal		97
31) Cyclohexane	7.979	56	6386	1.32 ug/l #		17
38) Carbon Tetrachloride	7.979	117	24095	5.42 ug/l #		15
71) Bromoform	12.632	173	1940	1.25 ug/l #		28
76) 1,2,3-Trichloropropane	12.638	75	83184	64.09 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.638	75	83184	131.37 ug/l #		12
95) Naphthalene	15.402	128	11877	2.58 ug/l		99

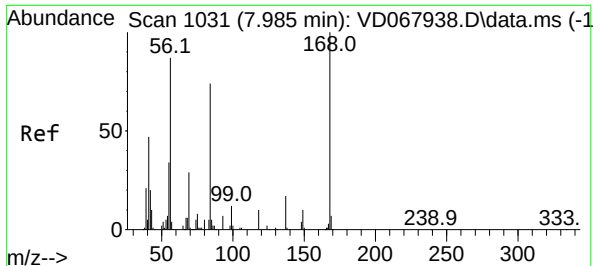
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Dec 23 07:34:16 2020
Response via : Initial Calibration

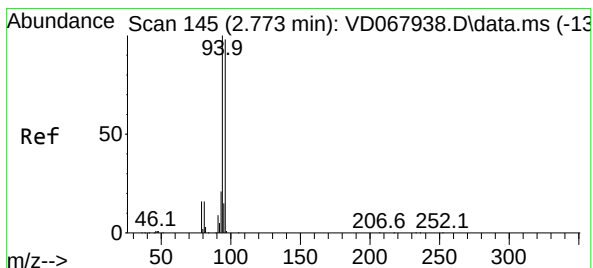
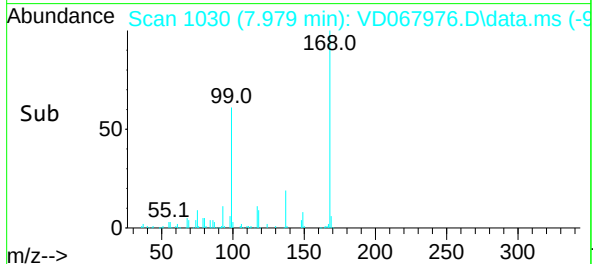
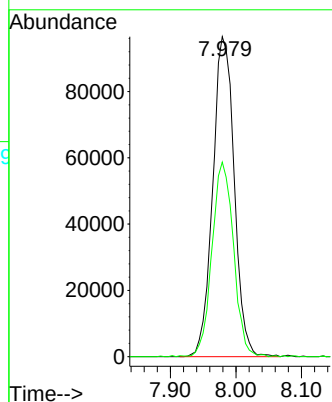
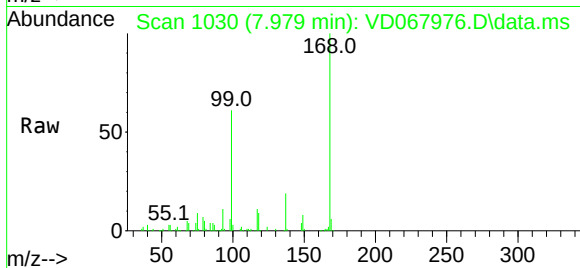




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD067976.D
Acq: 30 Dec 2020 15:10

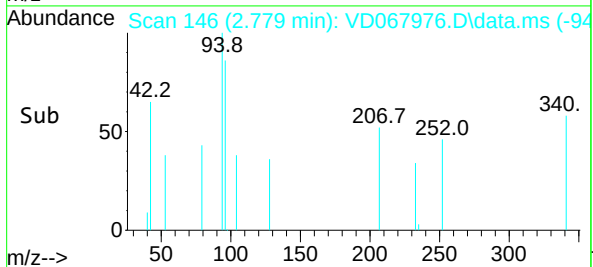
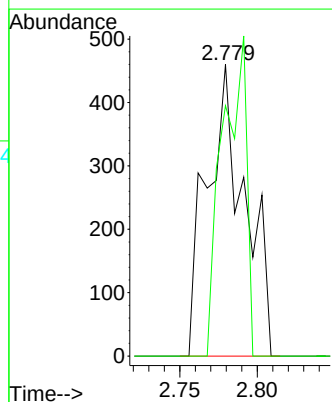
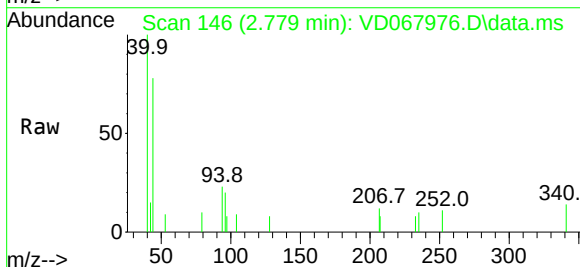
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-3(474+26)VOC-GRAB

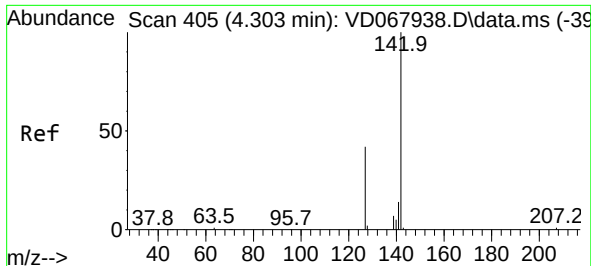
Tgt Ion:168 Resp: 219340
Ion Ratio Lower Upper
168 100
99 60.8 48.0 72.0



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.006 min
Lab File: VD067976.D
Acq: 30 Dec 2020 15:10

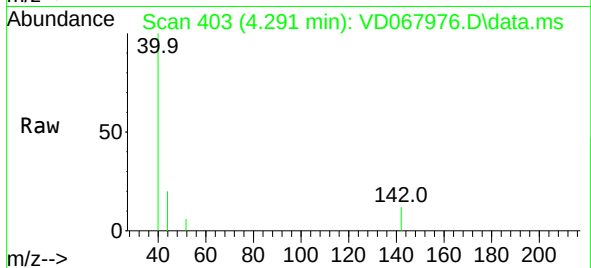
Tgt Ion: 94 Resp: 779
Ion Ratio Lower Upper
94 100
96 85.9 78.0 117.0



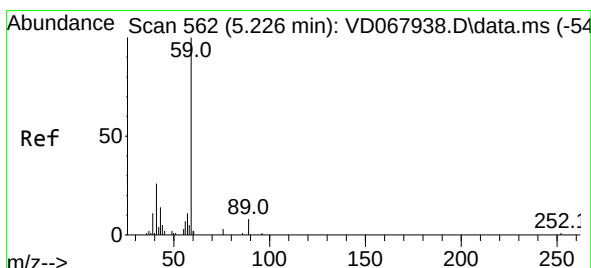
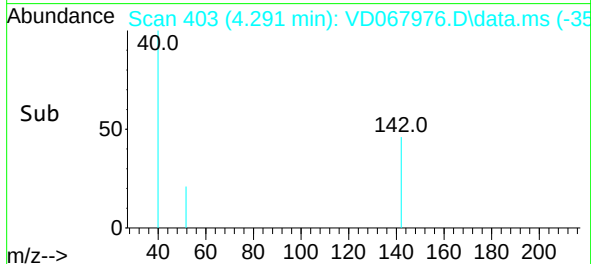
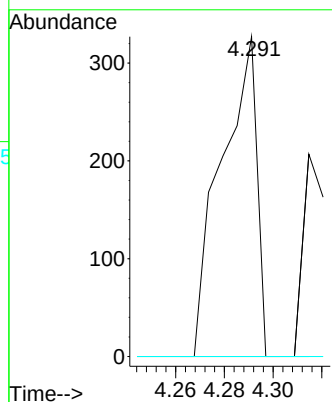


#10
Methyl Iodide
Concen: 3.97 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD067976.D
Acq: 30 Dec 2020 15:10

Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-3(474+26)VOC-GRAB

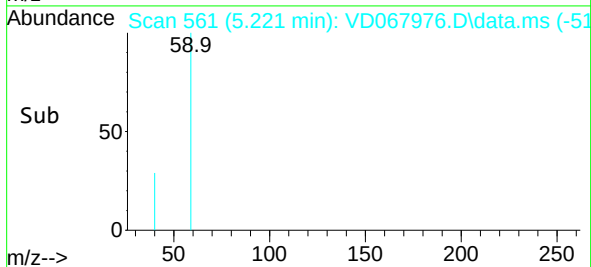
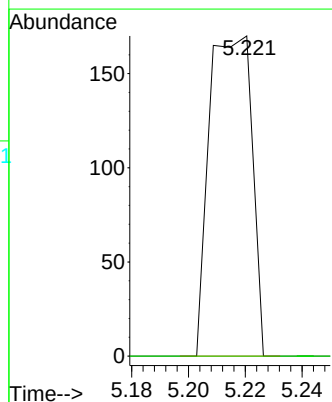
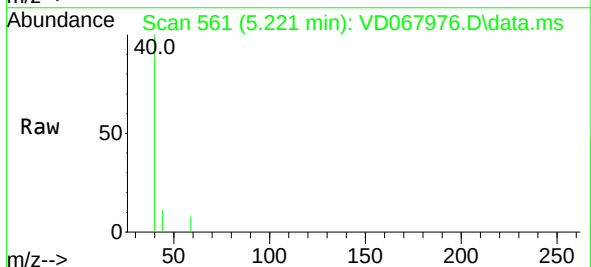


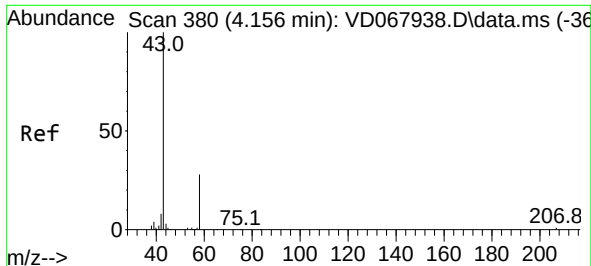
Tgt Ion:142 Resp: 330
Ion Ratio Lower Upper
142 100
127 0.0 34.4 51.6#
141 0.0 11.8 17.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.221 min Scan# 561
Delta R.T. -0.005 min
Lab File: VD067976.D
Acq: 30 Dec 2020 15:10

Tgt Ion: 59 Resp: 176
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

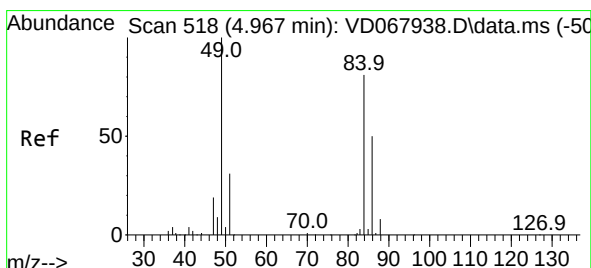
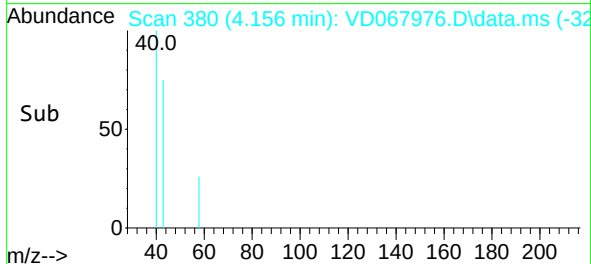
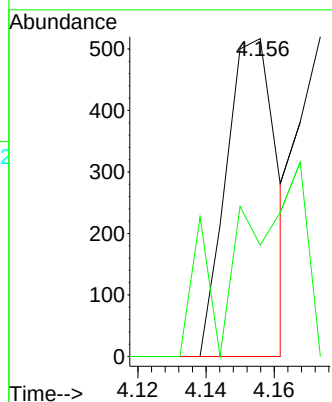
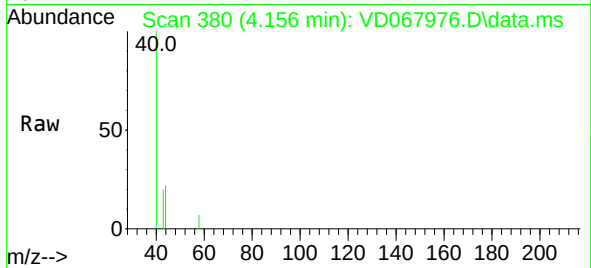




#16
Acetone
Concen: 1.18 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD067976.D
Acq: 30 Dec 2020 15:10

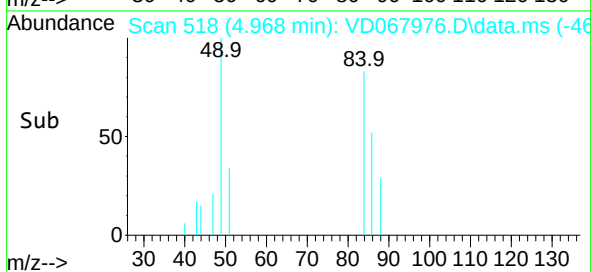
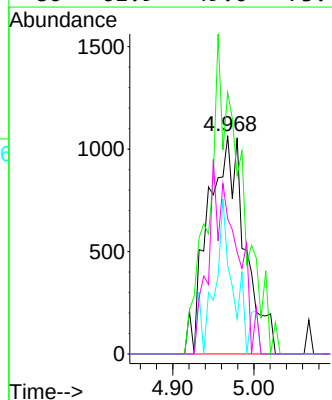
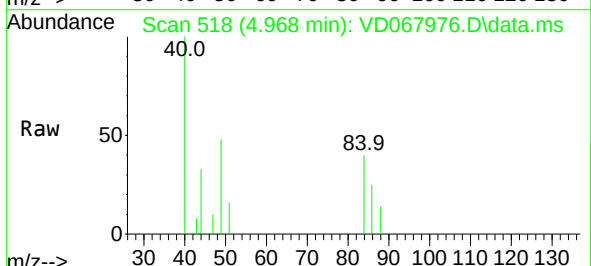
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-3(474+26)VOC-GRAB

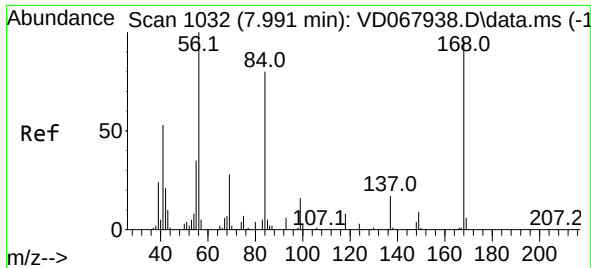
Tgt Ion: 43 Resp: 533
Ion Ratio Lower Upper
43 100
58 35.0 22.3 33.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.001 min
Lab File: VD067976.D
Acq: 30 Dec 2020 15:10

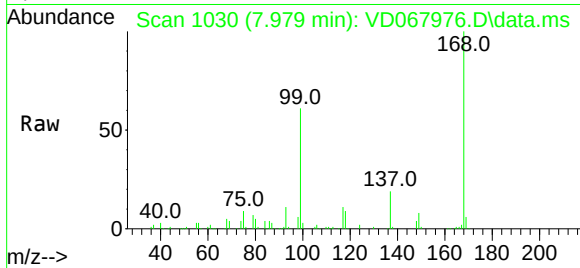
Tgt Ion: 84 Resp: 3389
Ion Ratio Lower Upper
84 100
49 119.8 98.3 147.5
51 40.6 30.3 45.5
86 61.9 49.0 73.4



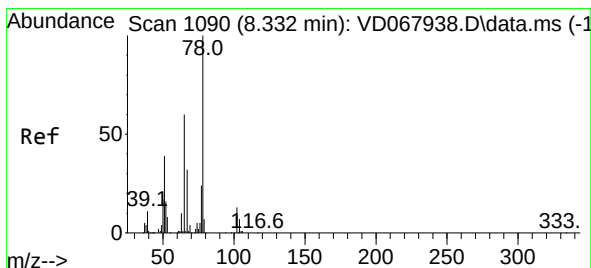
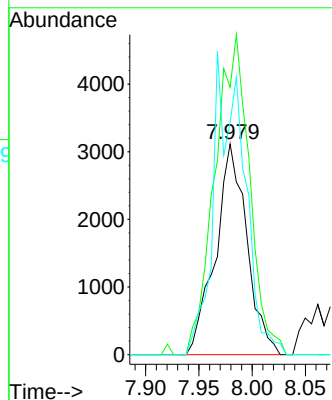
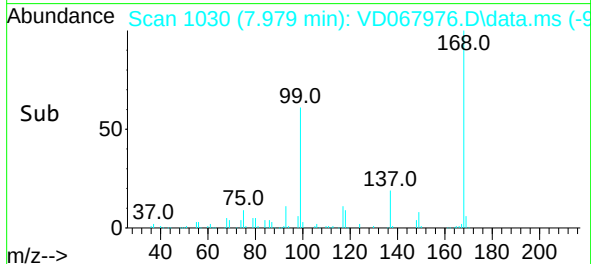


#31
Cyclohexane
Concen: 1.32 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.012 min
Lab File: VD067976.D
Acq: 30 Dec 2020 15:10

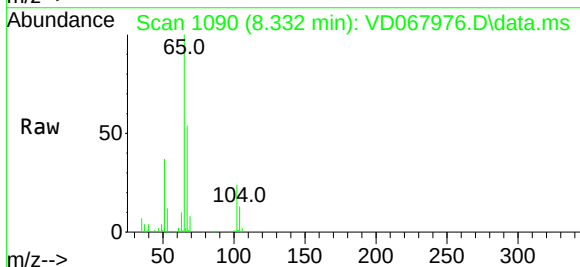
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-3(474+26)VOC-GRAB



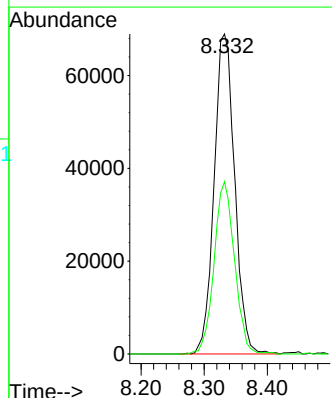
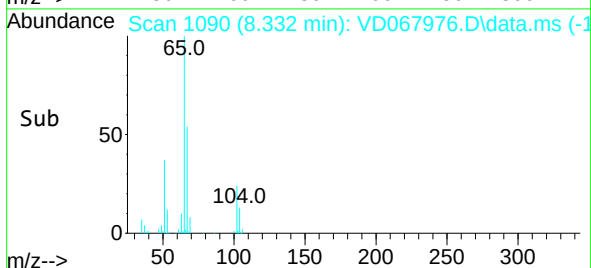
Tgt Ion: 56 Resp: 6386
Ion Ratio Lower Upper
56 100
69 126.9 22.7 34.1#
84 121.6 64.2 96.4#

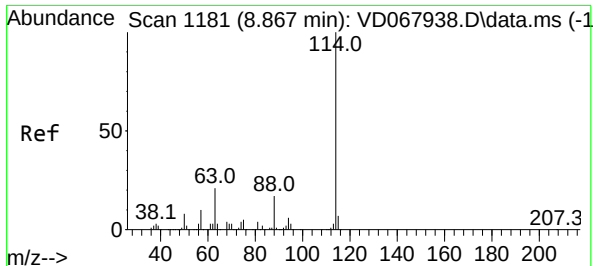


#33
1,2-Dichloroethane-d4
Concen: 65.79 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD067976.D
Acq: 30 Dec 2020 15:10



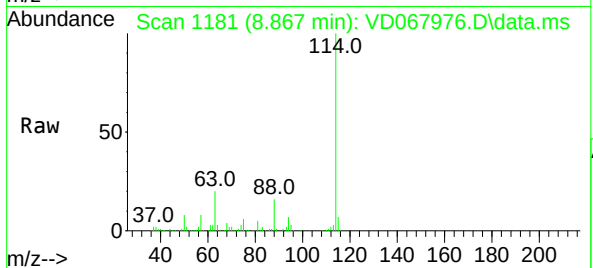
Tgt Ion: 65 Resp: 155825
Ion Ratio Lower Upper
65 100
67 53.6 0.0 110.0



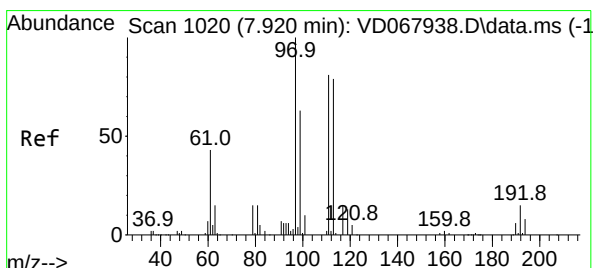
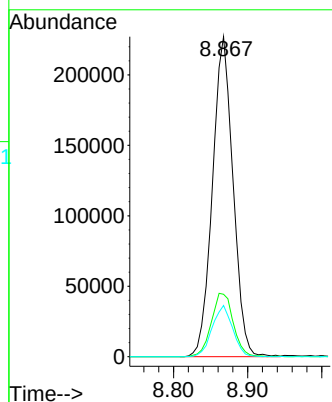
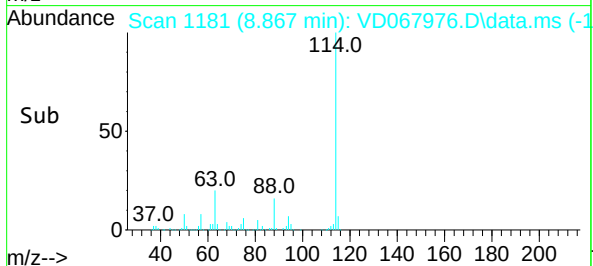


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD067976.D
Acq: 30 Dec 2020 15:10

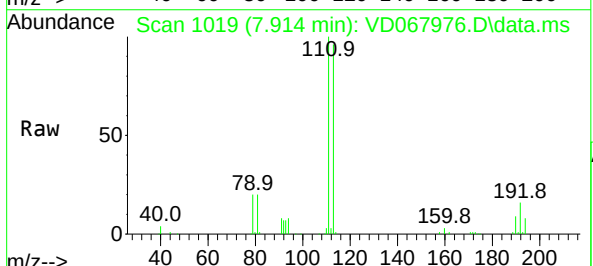
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-3(474+26)VOC-GRAB



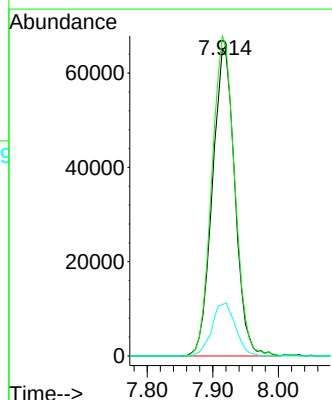
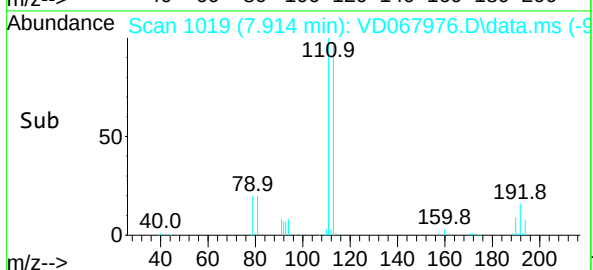
Tgt Ion:114 Resp: 438095
Ion Ratio Lower Upper
114 100
63 19.5 0.0 41.4
88 16.0 0.0 33.2

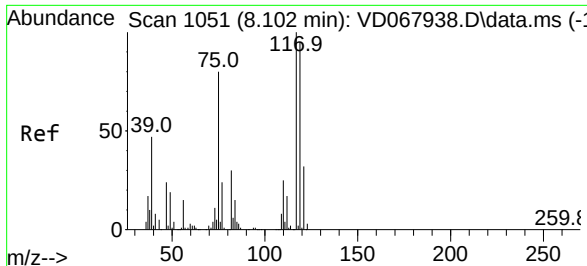


#35
Dibromofluoromethane
Concen: 56.36 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD067976.D
Acq: 30 Dec 2020 15:10



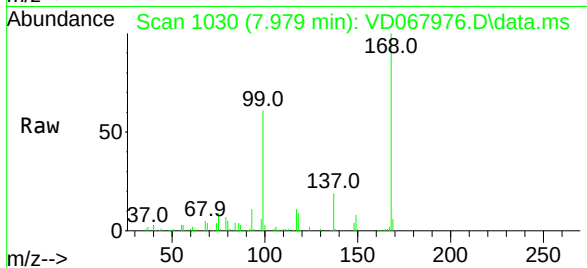
Tgt Ion:113 Resp: 155584
Ion Ratio Lower Upper
113 100
111 105.5 79.3 118.9
192 18.0 14.5 21.7



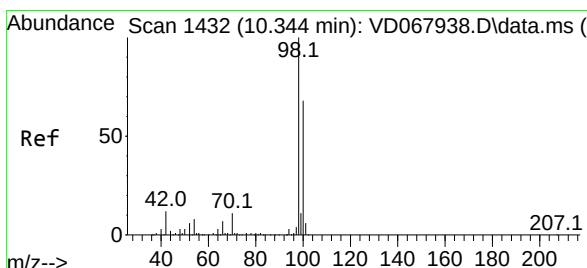
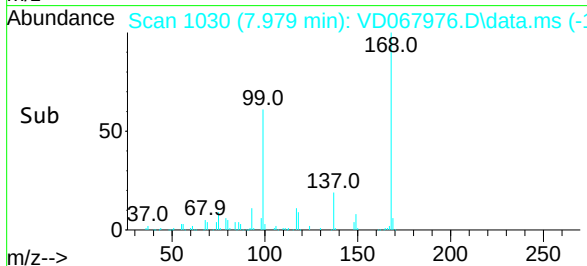
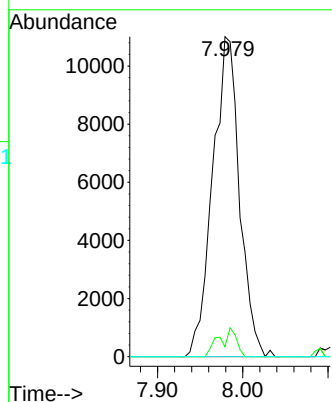


#38
Carbon Tetrachloride
Concen: 5.42 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.123 min
Lab File: VD067976.D
Acq: 30 Dec 2020 15:10

Instrument :
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ClientSampleId :
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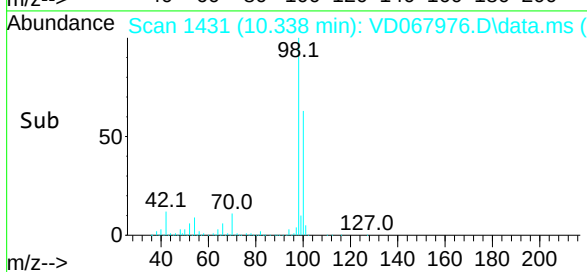
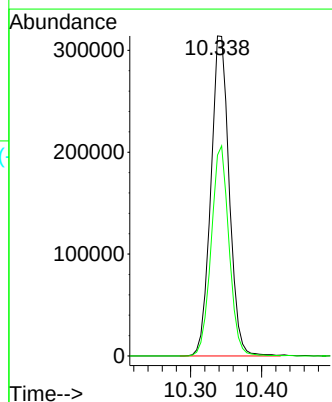
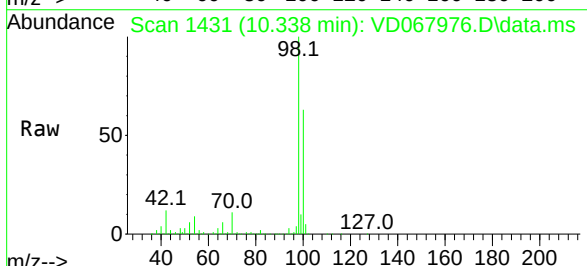


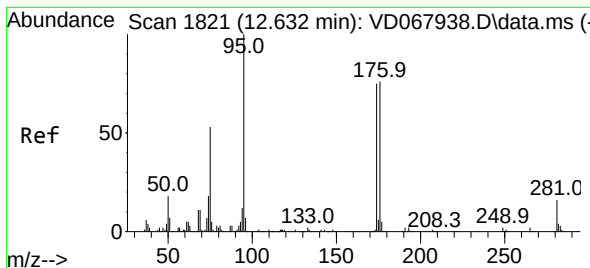
Tgt Ion:117 Resp: 24095
Ion Ratio Lower Upper
117 100
119 3.1 76.2 114.4#
121 0.0 25.9 38.9#



#50
Toluene-d8
Concen: 54.39 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD067976.D
Acq: 30 Dec 2020 15:10

Tgt Ion: 98 Resp: 564304
Ion Ratio Lower Upper
98 100
100 63.7 52.5 78.7

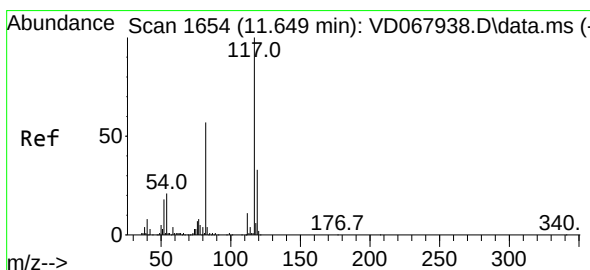
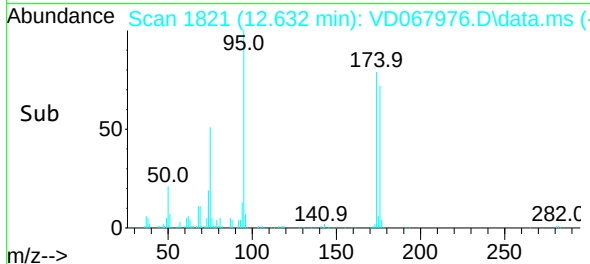
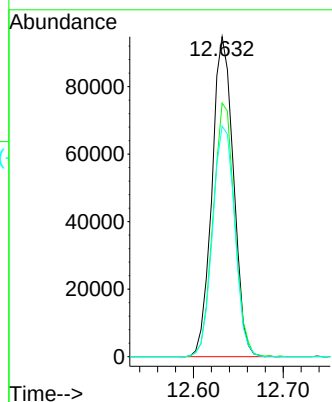
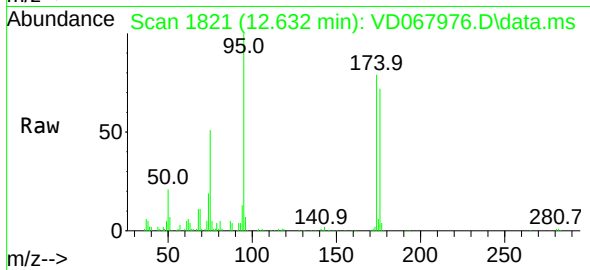




#62
4-Bromofluorobenzene
Concen: 44.47 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD067976.D
Acq: 30 Dec 2020 15:10

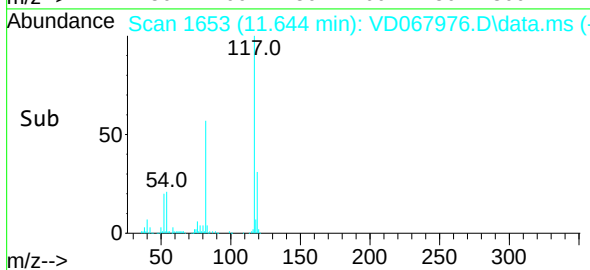
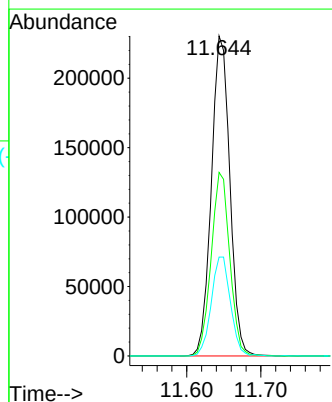
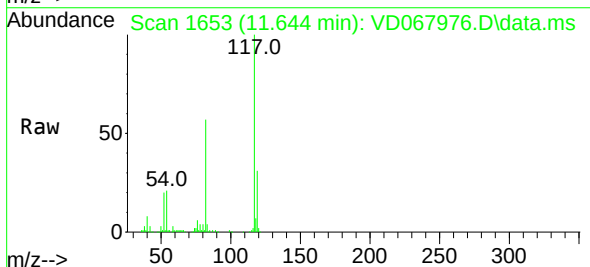
Instrument :
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SAMPLE-3(474+26)VOC-GRAB

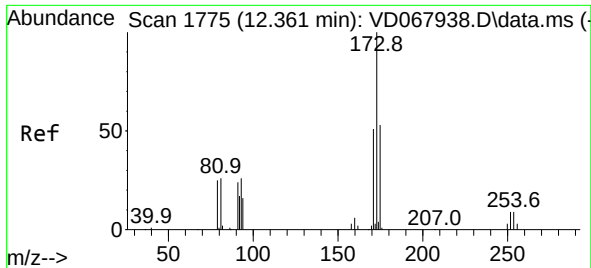
Tgt Ion: 95 Resp: 157832
Ion Ratio Lower Upper
95 100
174 79.2 0.0 150.6
176 74.1 0.0 151.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.006 min
Lab File: VD067976.D
Acq: 30 Dec 2020 15:10

Tgt Ion: 117 Resp: 398879
Ion Ratio Lower Upper
117 100
82 57.3 45.4 68.0
119 30.9 26.7 40.1

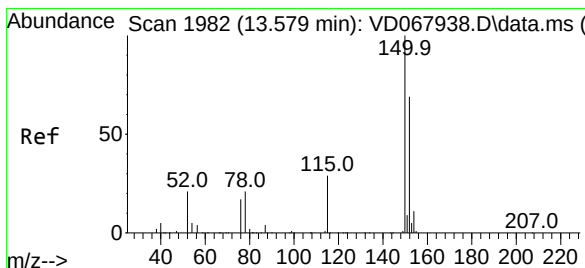
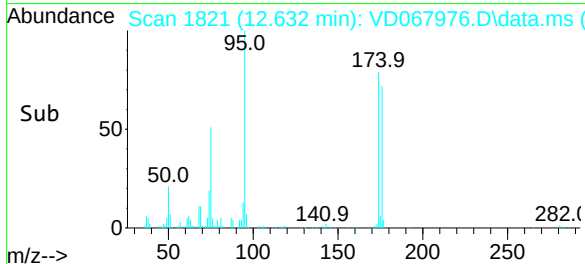
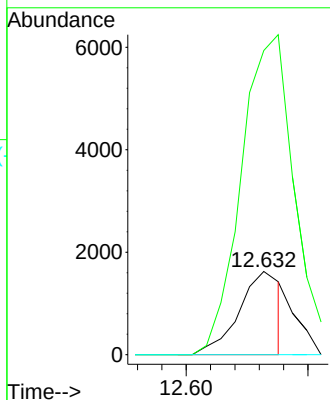
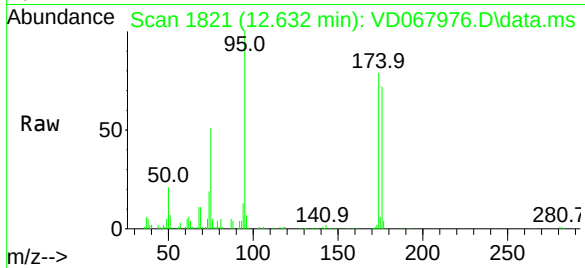




#71
Bromoform
Concen: 1.25 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.271 min
Lab File: VD067976.D
Acq: 30 Dec 2020 15:10

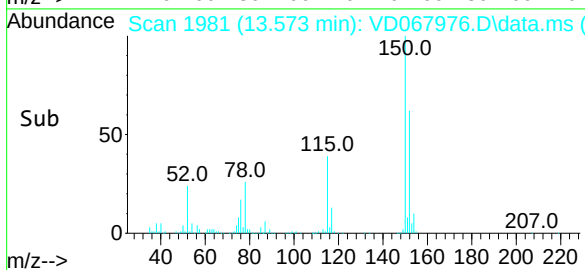
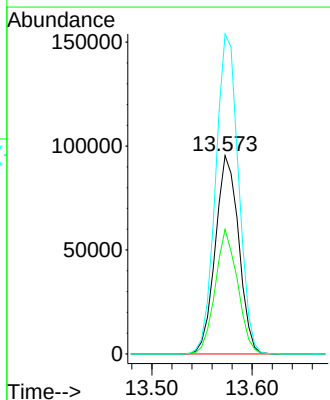
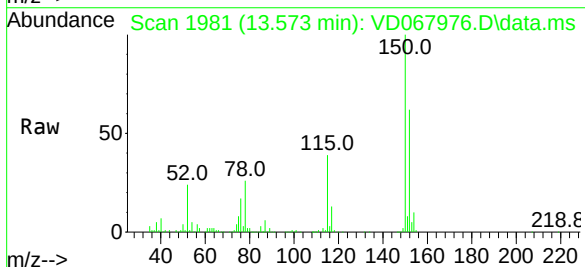
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-3(474+26)VOC-GRAB

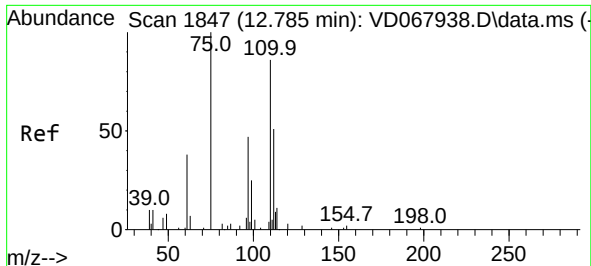
Tgt Ion:173 Resp: 1940
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.006 min
Lab File: VD067976.D
Acq: 30 Dec 2020 15:10

Tgt Ion:152 Resp: 154162
Ion Ratio Lower Upper
152 100
115 60.2 29.3 88.0
150 158.1 0.0 340.0

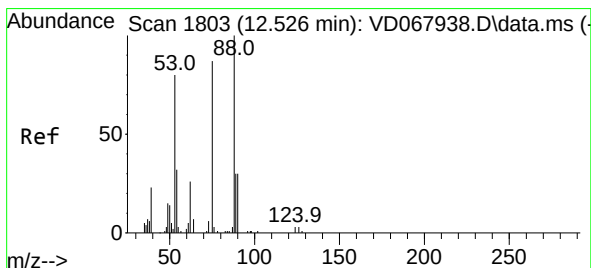
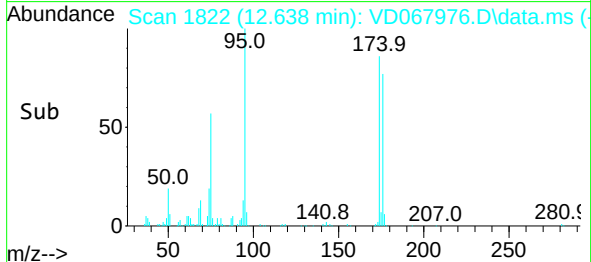
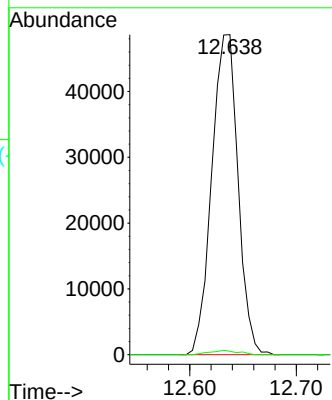
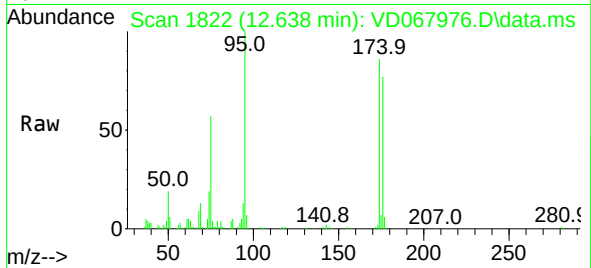




#76
1,2,3-Trichloropropane
Concen: 64.09 ug/l
RT: 12.638 min Scan# 1822
Delta R.T. -0.147 min
Lab File: VD067976.D
Acq: 30 Dec 2020 15:10

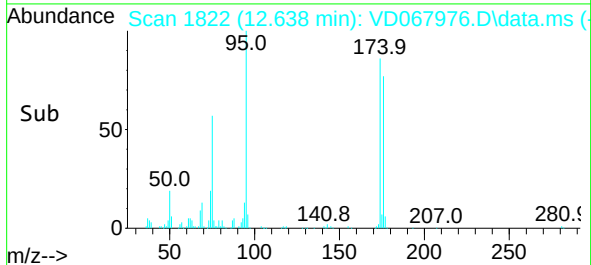
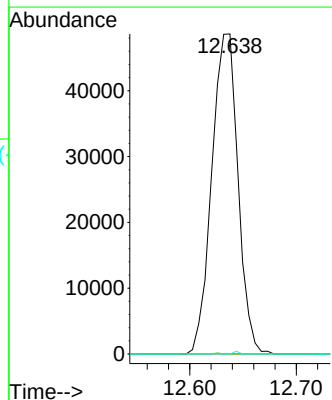
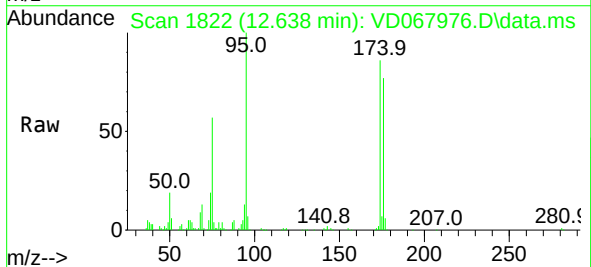
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-3(474+26)VOC-GRAB

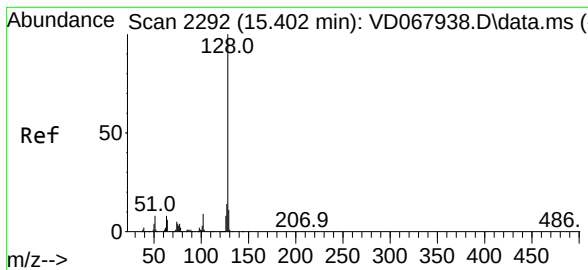
Tgt Ion: 75 Resp: 83184
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.37 ug/l
RT: 12.638 min Scan# 1822
Delta R.T. 0.112 min
Lab File: VD067976.D
Acq: 30 Dec 2020 15:10

Tgt Ion: 75 Resp: 83184
Ion Ratio Lower Upper
75 100
53 0.1 74.9 112.3#
89 0.2 33.8 50.8#





#95
Naphthalene
Concen: 2.58 ug/l
RT: 15.402 min Scan# 2292
Delta R.T. 0.000 min
Lab File: VD067976.D
Acq: 30 Dec 2020 15:10

Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-3(474+26)VOC-GRAB

Tgt Ion:	128	Resp:	11877
Ion	Ratio	Lower	Upper
128	100		
127	13.5	11.2	16.8
129	10.8	8.6	12.8

