

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD123020\
 Data File : VD067975.D
 Acq On : 30 Dec 2020 14:43
 Operator : VA/SY
 Sample : L5242-04
 Misc : 6.16G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-2(484+26)VOC-GRAB

Quant Time: Dec 31 00:15:36 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)

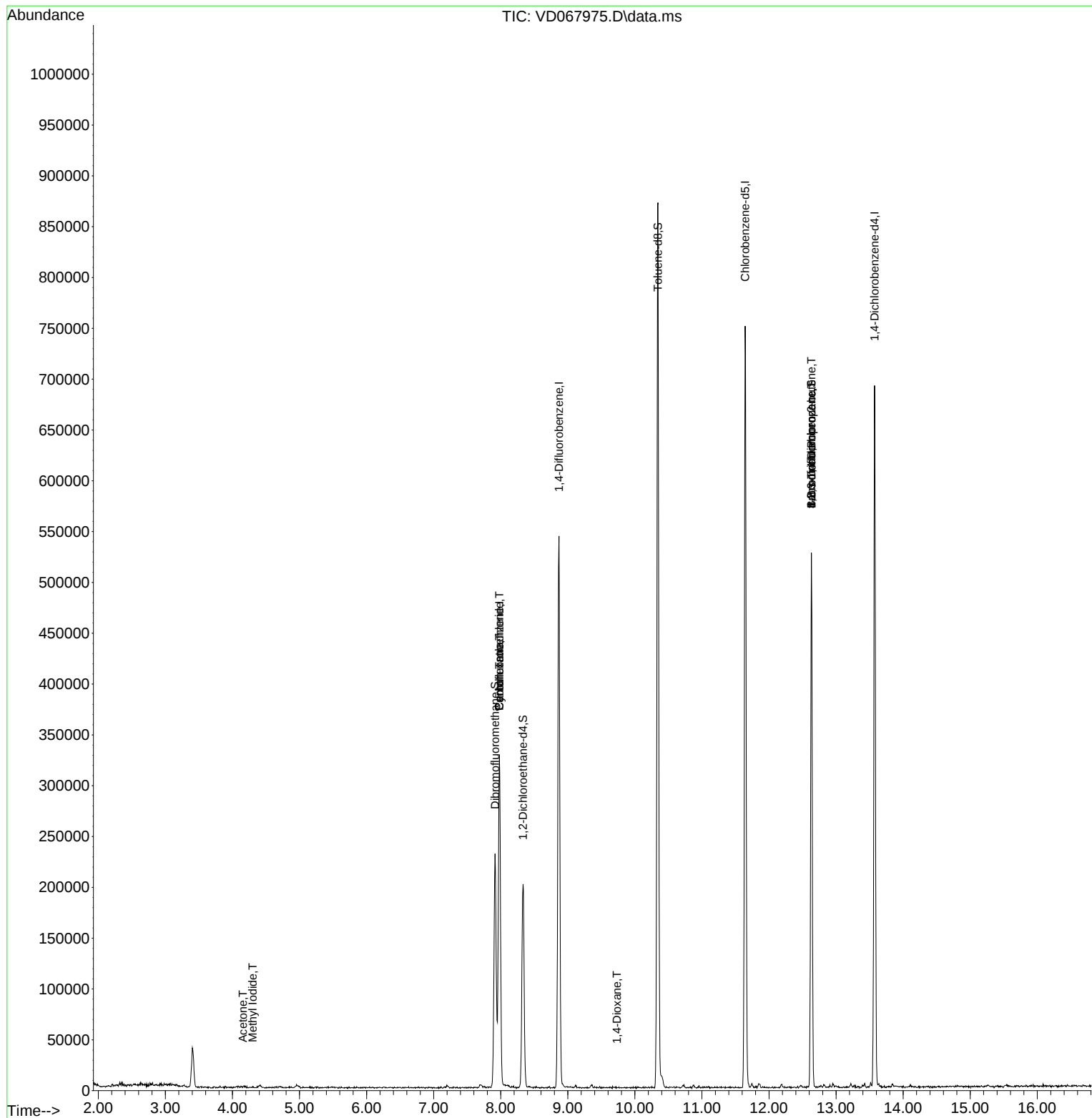
Internal Standards						
1) Pentafluorobenzene	7.979	168	225512	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	460424	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	424582	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	175956	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	164209	67.43	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	134.86%		
35) Dibromofluoromethane	7.914	113	160216	55.23	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	110.46%		
50) Toluene-d8	10.344	98	585915	53.73	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	107.46%		
62) 4-Bromofluorobenzene	12.632	95	169365	45.41	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	90.82%		
Target Compounds						
5) Bromomethane	2.779	94	806	Below Cal	#	58
10) Methyl Iodide	4.303	142	283	3.95 ug/l	#	77
11) Tert butyl alcohol	5.232	59	66	Below Cal	#	74
16) Acetone	4.156	43	1547	3.33 ug/l	#	78
20) Methylene Chloride	4.956	84	736	Below Cal	#	74
31) Cyclohexane	7.979	56	6649	1.34 ug/l	#	21
38) Carbon Tetrachloride	7.979	117	25157	5.38 ug/l	#	19
49) 1,4-Dioxane	9.732	88	59	3.08 ug/l	#	24
71) Bromoform	12.632	173	2296	1.39 ug/l	#	1
76) 1,2,3-Trichloropropane	12.632	75	89553	60.45 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.632	75	89553	123.91 ug/l	#	12

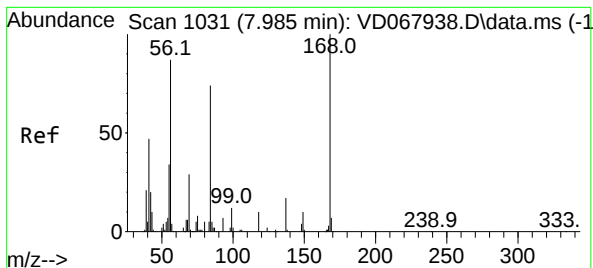
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

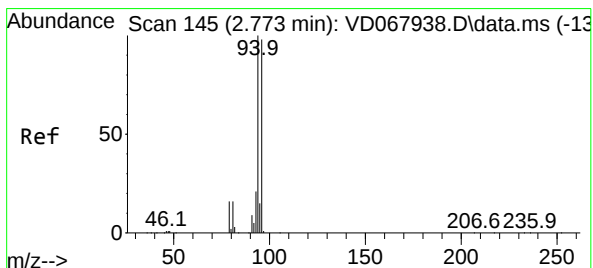
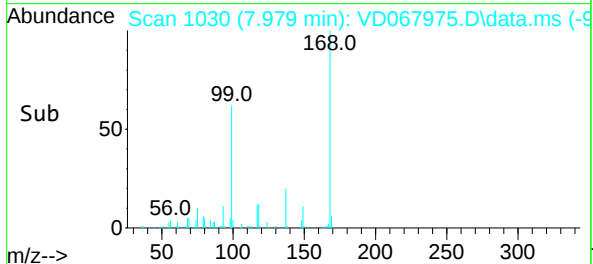
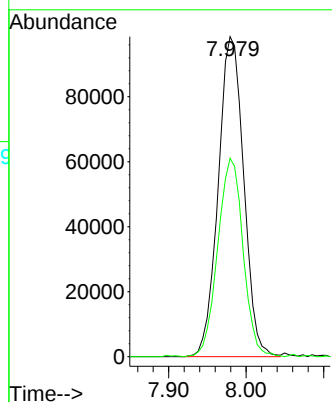
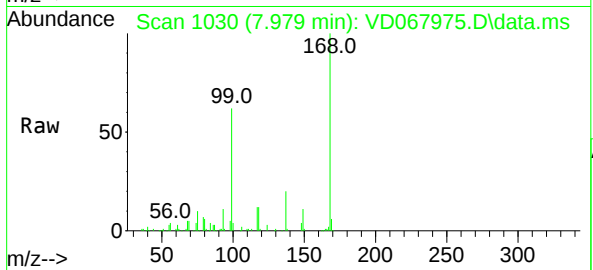




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD067975.D
Acq: 30 Dec 2020 14:43

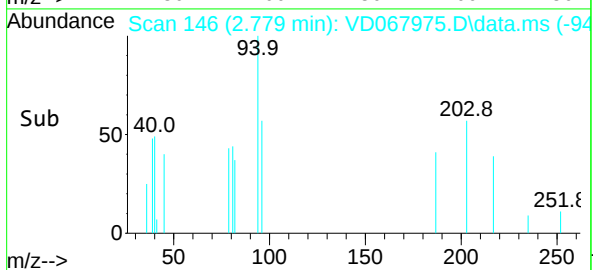
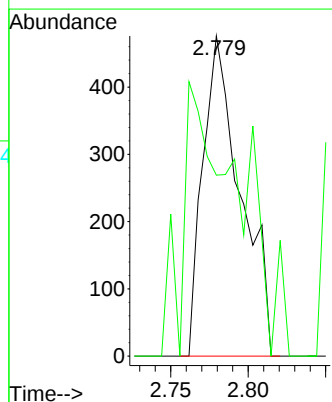
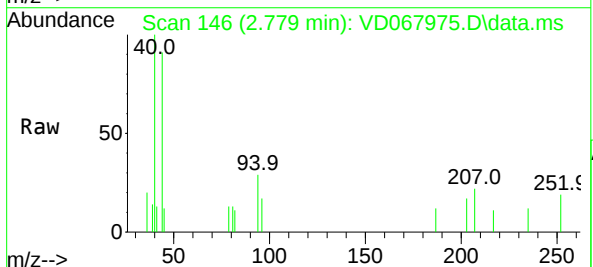
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-2(484+26)VOC-GRAB

Tgt Ion:168 Resp: 225512
Ion Ratio Lower Upper
168 100
99 61.9 48.0 72.0



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.006 min
Lab File: VD067975.D
Acq: 30 Dec 2020 14:43

Tgt Ion: 94 Resp: 806
Ion Ratio Lower Upper
94 100
96 56.5 78.0 117.0#

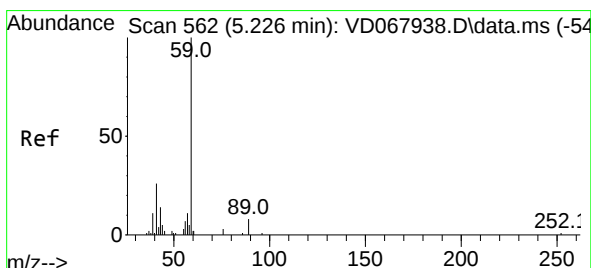
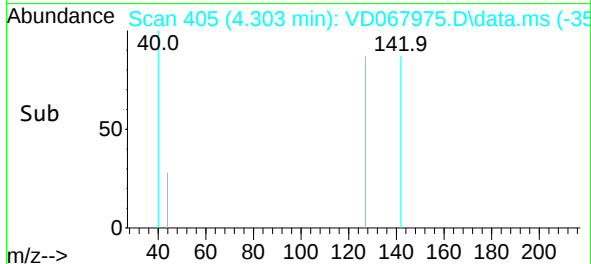
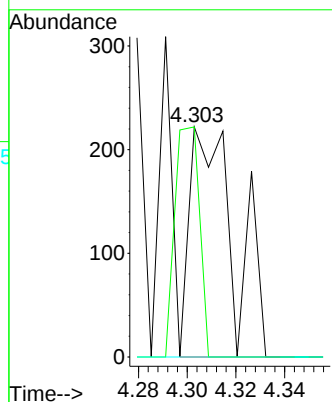
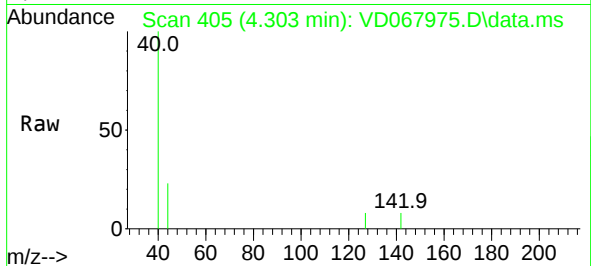




#10
Methyl Iodide
Concen: 3.95 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD067975.D
Acq: 30 Dec 2020 14:43

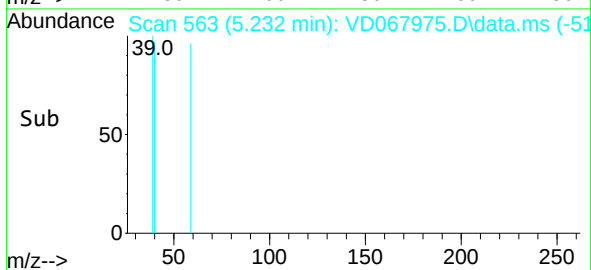
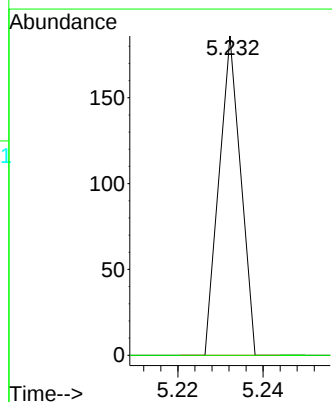
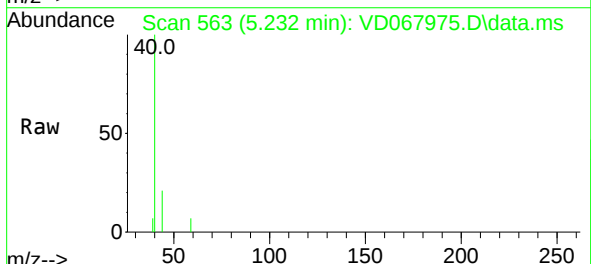
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-2(484+26)VOC-GRAB

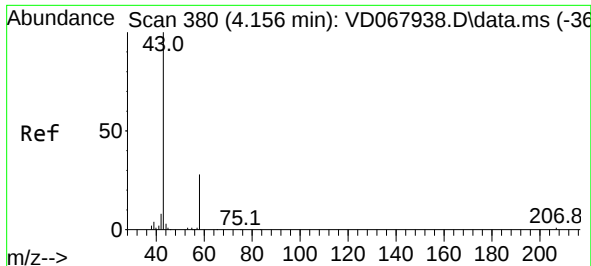
Tgt Ion:142 Resp: 283
Ion Ratio Lower Upper
142 100
127 55.1 34.4 51.6#
141 0.0 11.8 17.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.232 min Scan# 563
Delta R.T. 0.006 min
Lab File: VD067975.D
Acq: 30 Dec 2020 14:43

Tgt Ion: 59 Resp: 66
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

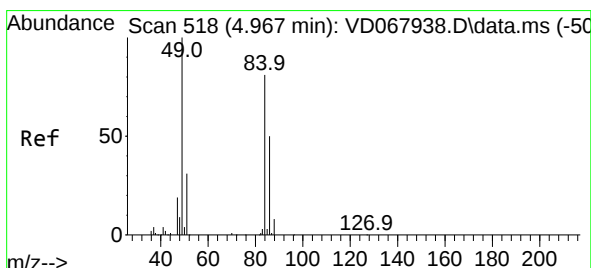
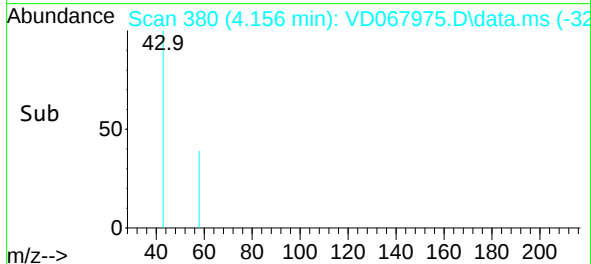
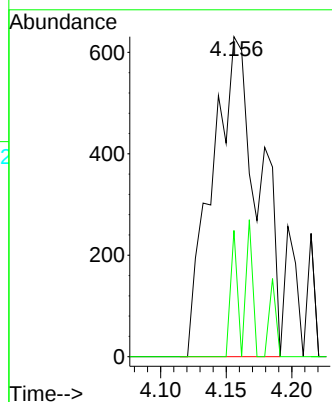
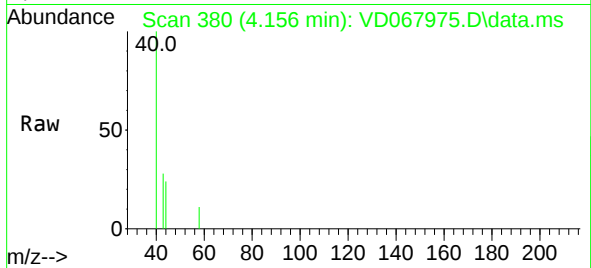




#16
Acetone
Concen: 3.33 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD067975.D
Acq: 30 Dec 2020 14:43

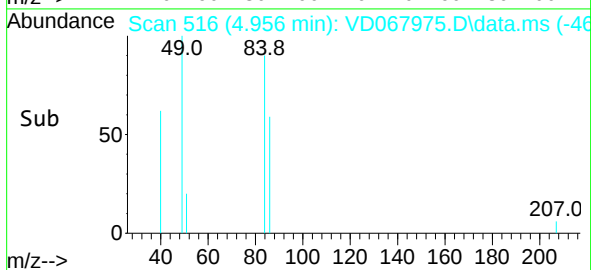
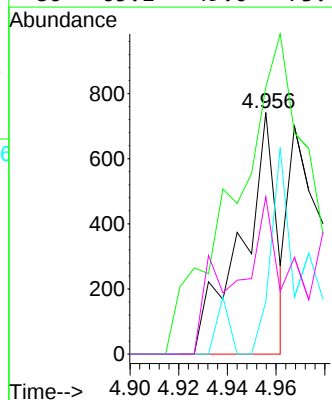
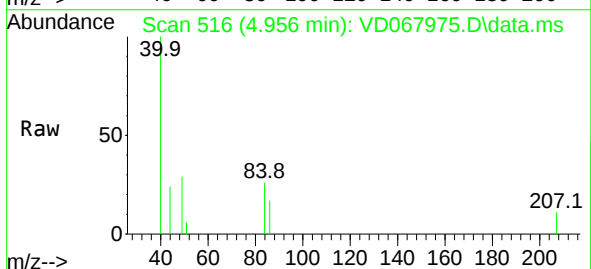
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-2(484+26)VOC-GRAB

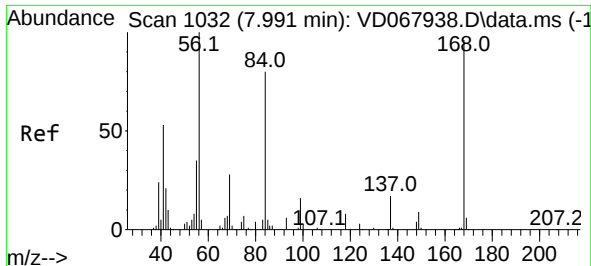
Tgt Ion: 43 Resp: 1547
Ion Ratio Lower Upper
43 100
58 39.5 22.3 33.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.011 min
Lab File: VD067975.D
Acq: 30 Dec 2020 14:43

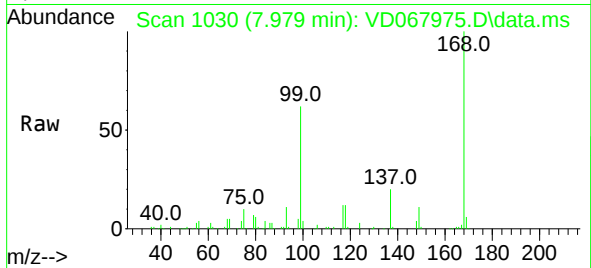
Tgt Ion: 84 Resp: 736
Ion Ratio Lower Upper
84 100
49 82.7 98.3 147.5#
51 21.7 30.3 45.5#
86 65.1 49.0 73.4



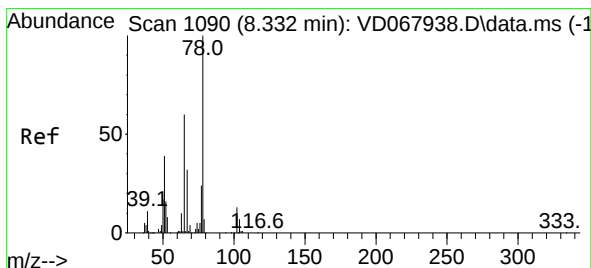
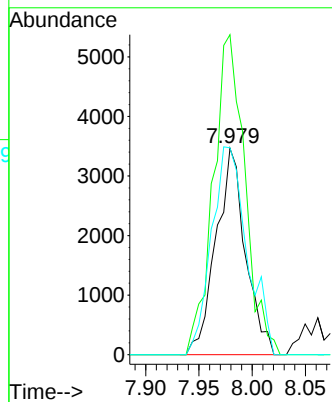
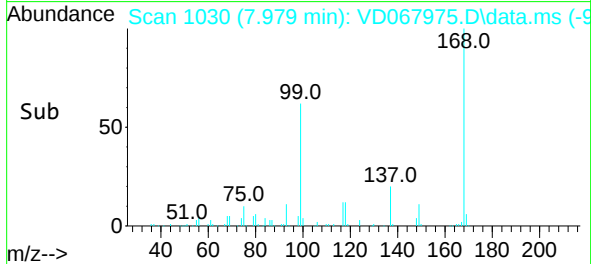


#31
Cyclohexane
Concen: 1.34 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.012 min
Lab File: VD067975.D
Acq: 30 Dec 2020 14:43

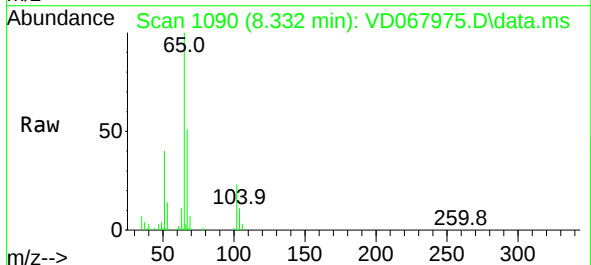
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-2(484+26)VOC-GRAB



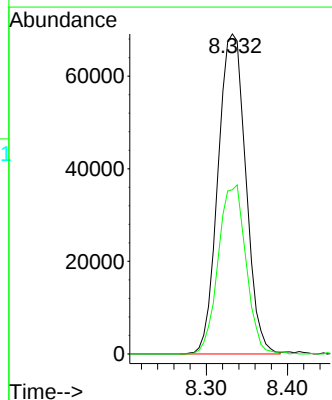
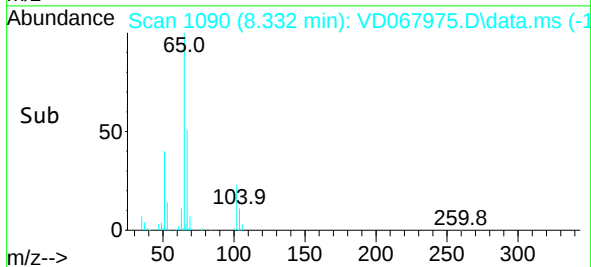
Tgt Ion: 56 Resp: 6649
Ion Ratio Lower Upper
56 100
69 155.0 22.7 34.1#
84 100.2 64.2 96.4#

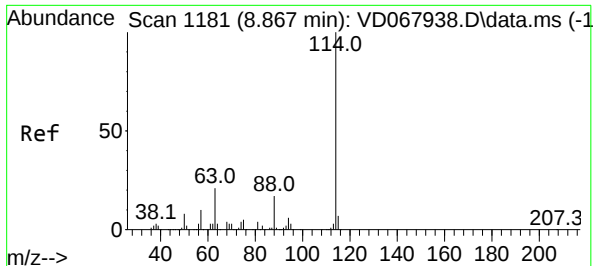


#33
1,2-Dichloroethane-d4
Concen: 67.43 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD067975.D
Acq: 30 Dec 2020 14:43



Tgt Ion: 65 Resp: 164209
Ion Ratio Lower Upper
65 100
67 52.8 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: VD067975.D

Acq: 30 Dec 2020 14:43

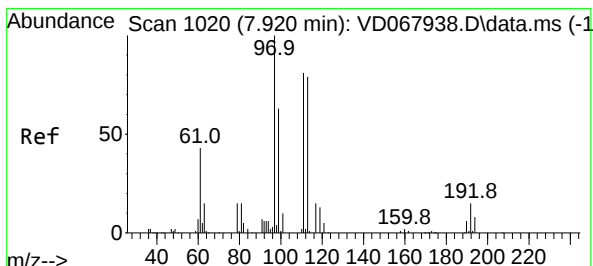
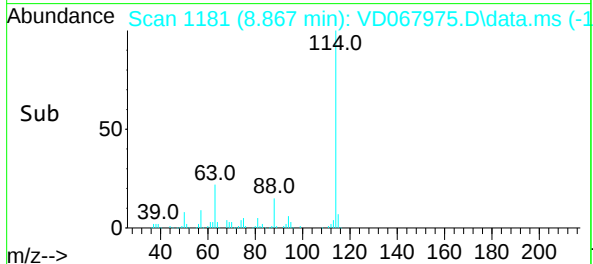
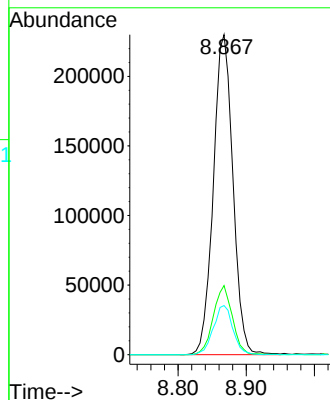
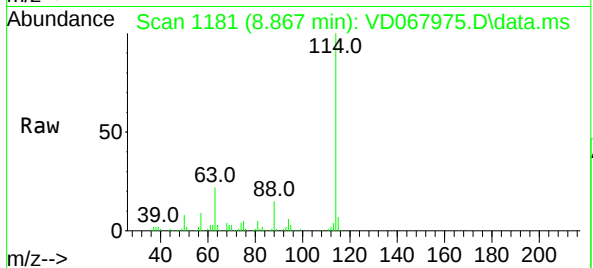
Tgt Ion:114 Resp: 460424

Ion Ratio Lower Upper

114 100

63 21.6 0.0 41.4

88 15.4 0.0 33.2



#35

Dibromofluoromethane

Concen: 55.23 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD067975.D

Acq: 30 Dec 2020 14:43

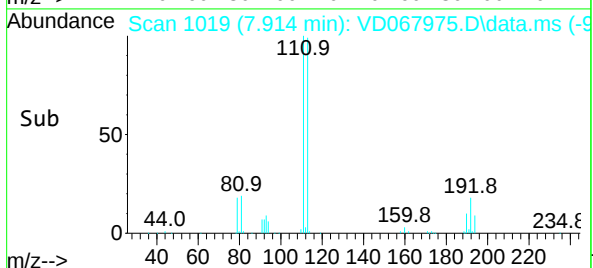
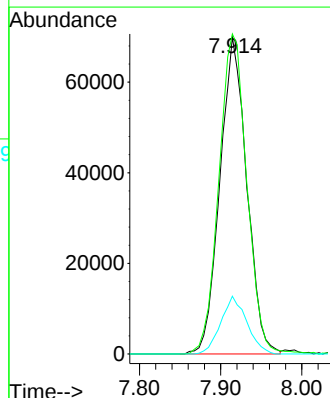
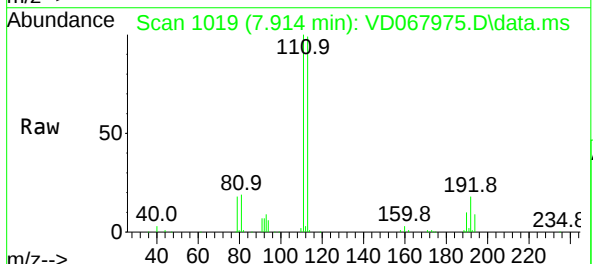
Tgt Ion:113 Resp: 160216

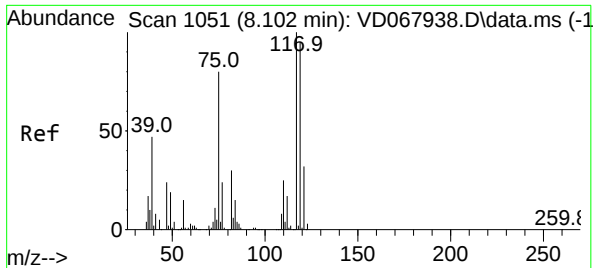
Ion Ratio Lower Upper

113 100

111 105.5 79.3 118.9

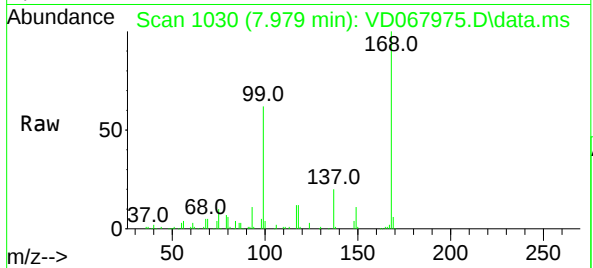
192 17.7 14.5 21.7



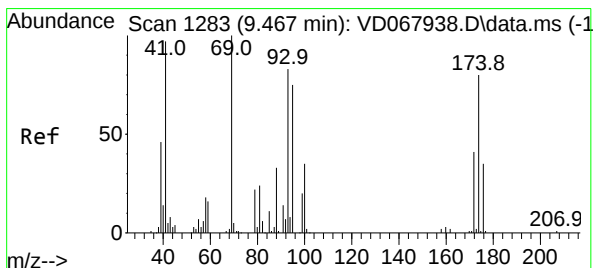
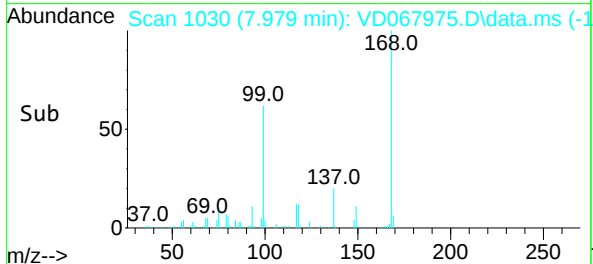
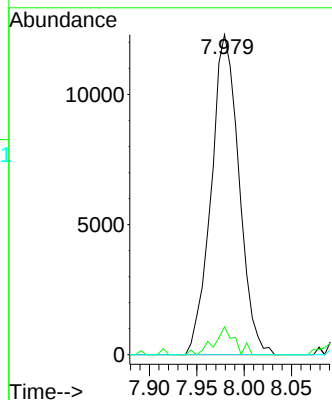


#38
Carbon Tetrachloride
Concen: 5.38 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.123 min
Lab File: VD067975.D
Acq: 30 Dec 2020 14:43

Instrument :
MSVOA_D
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SAMPLE-2(484+26)VOC-GRAB

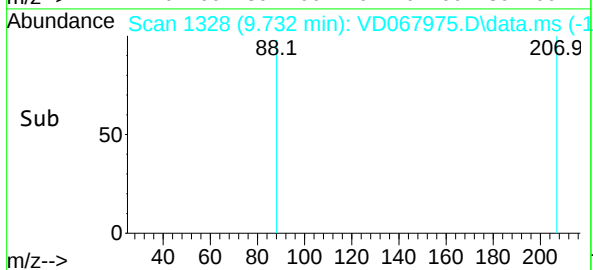
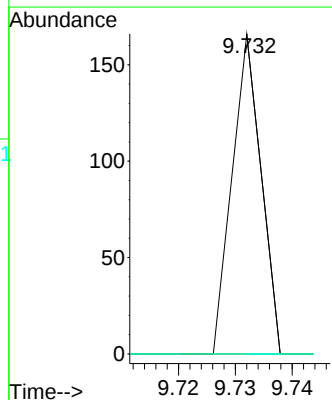
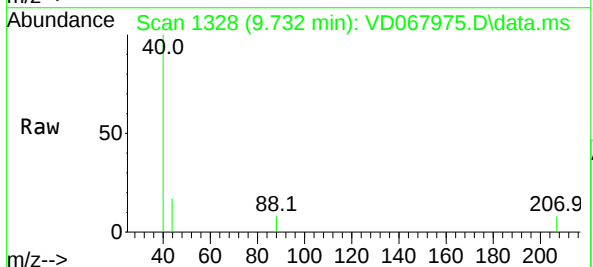


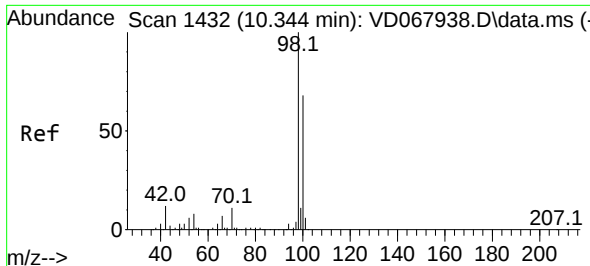
Tgt Ion: 117 Resp: 25157
Ion Ratio Lower Upper
117 100
119 8.7 76.2 114.4#
121 0.0 25.9 38.9#



#49
1,4-Dioxane
Concen: 3.08 ug/l
RT: 9.732 min Scan# 1328
Delta R.T. 0.265 min
Lab File: VD067975.D
Acq: 30 Dec 2020 14:43

Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 0.0 27.3 40.9#
58 0.0 54.8 82.2#

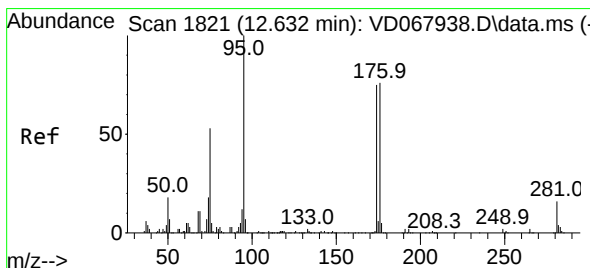
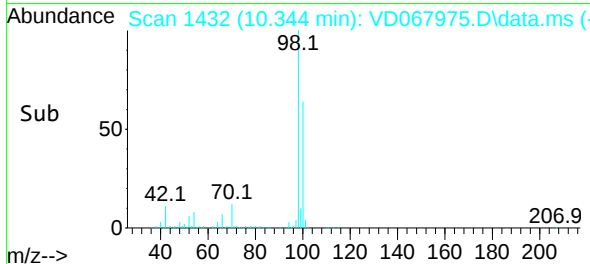
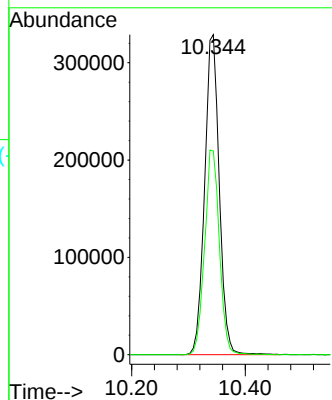
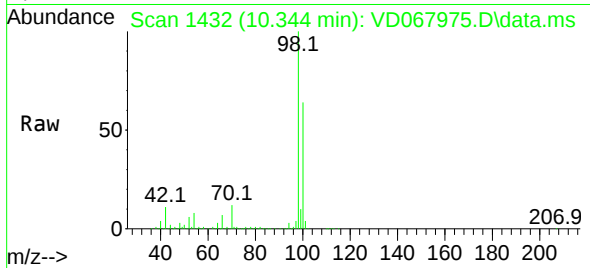




#50
Toluene-d8
Concen: 53.73 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD067975.D
Acq: 30 Dec 2020 14:43

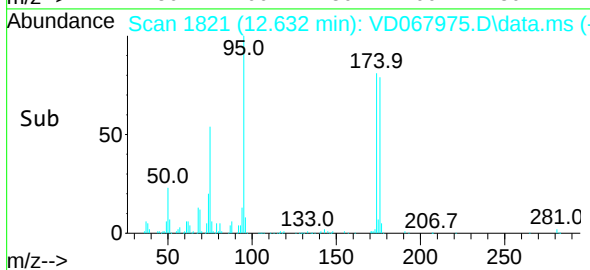
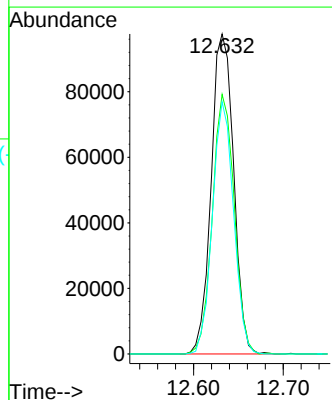
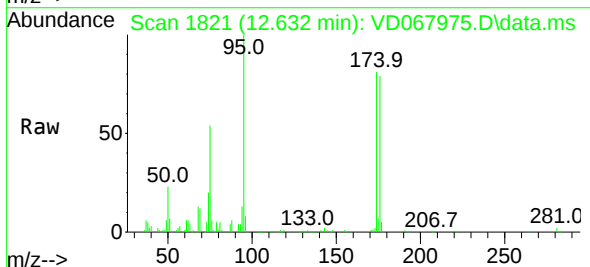
Instrument :
MSVOA_D
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SAMPLE-2(484+26)VOC-GRAB

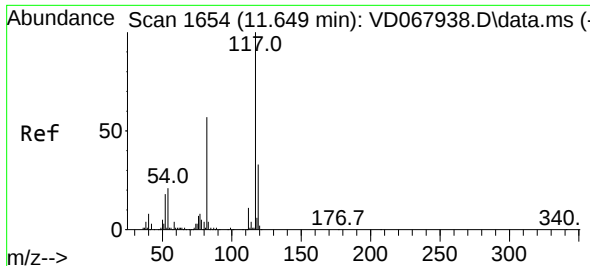
Tgt Ion: 98 Resp: 585915
Ion Ratio Lower Upper
98 100
100 64.6 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 45.41 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD067975.D
Acq: 30 Dec 2020 14:43

Tgt Ion: 95 Resp: 169365
Ion Ratio Lower Upper
95 100
174 79.1 0.0 150.6
176 74.6 0.0 151.2

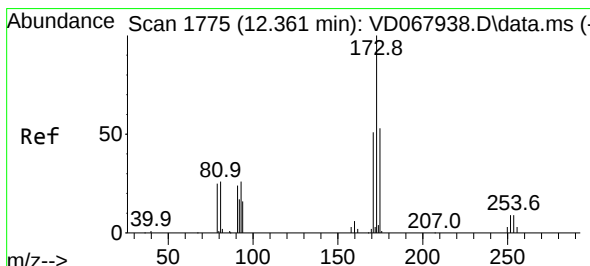
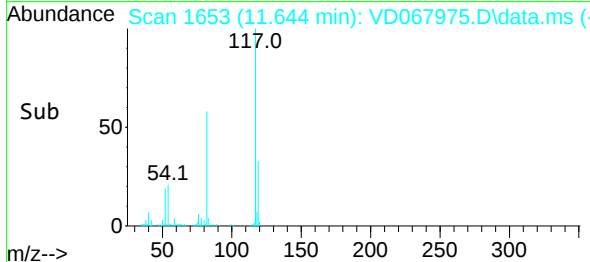
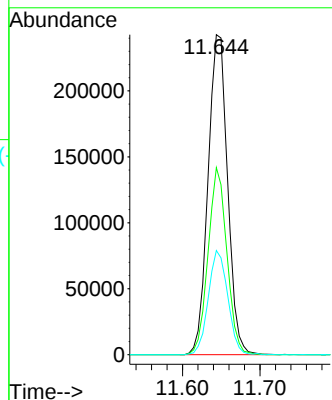
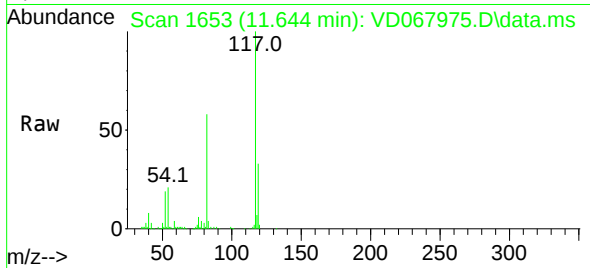




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.006 min
Lab File: VD067975.D
Acq: 30 Dec 2020 14:43

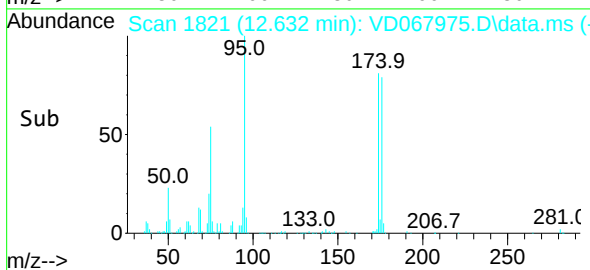
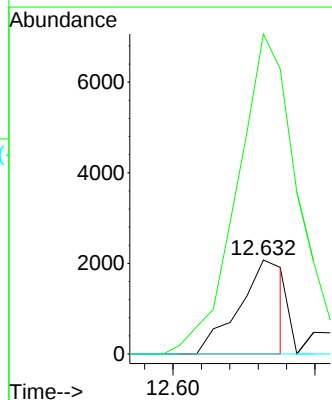
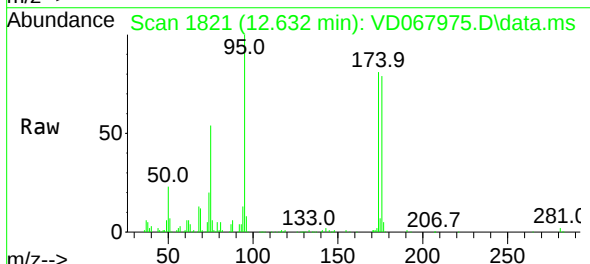
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-2(484+26)VOC-GRAB

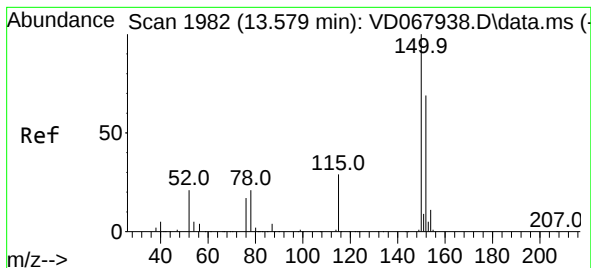
Tgt Ion:117 Resp: 424582
Ion Ratio Lower Upper
117 100
82 58.4 45.4 68.0
119 32.5 26.7 40.1



#71
Bromoform
Concen: 1.39 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.271 min
Lab File: VD067975.D
Acq: 30 Dec 2020 14:43

Tgt Ion:173 Resp: 2296
Ion Ratio Lower Upper
173 100
175 352.2 24.6 73.8#
254 0.0 0.0 0.0

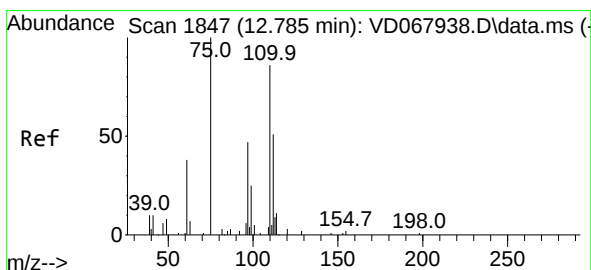
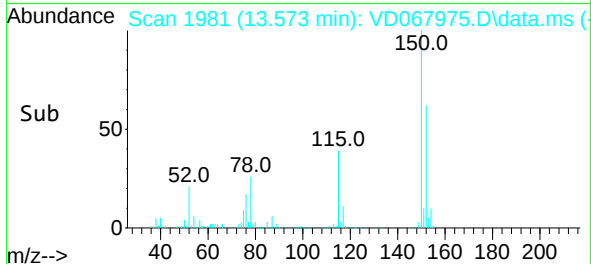
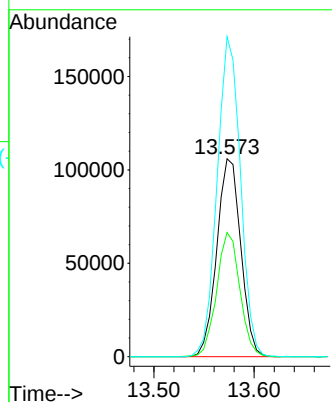
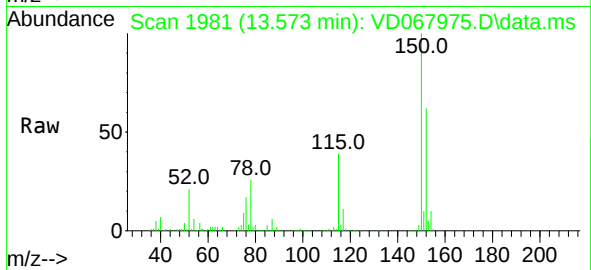




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.006 min
Lab File: VD067975.D
Acq: 30 Dec 2020 14:43

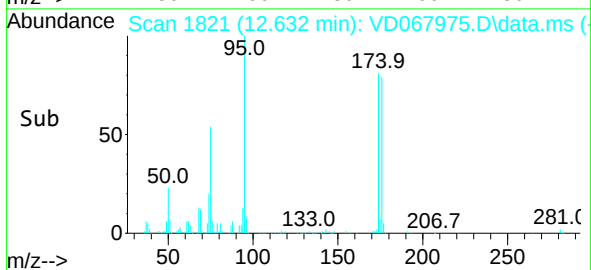
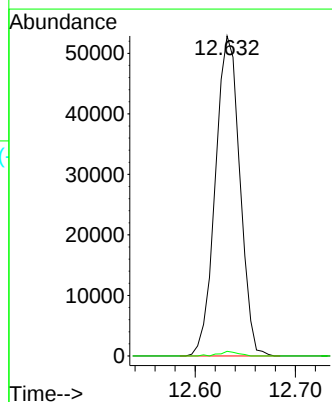
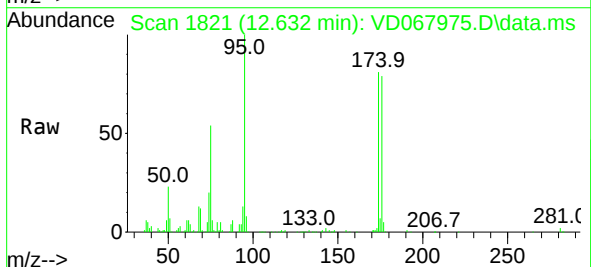
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-2(484+26)VOC-GRAB

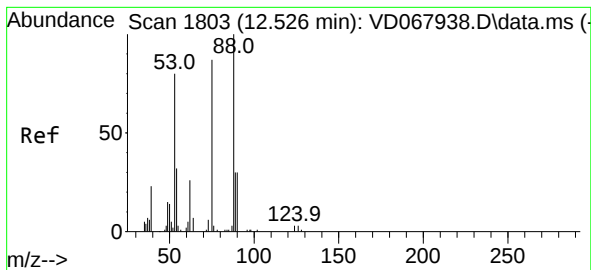
Tgt Ion:152 Resp: 175956
Ion Ratio Lower Upper
152 100
115 60.8 29.3 88.0
150 157.4 0.0 340.0



#76
1,2,3-Trichloropropane
Concen: 60.45 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD067975.D
Acq: 30 Dec 2020 14:43

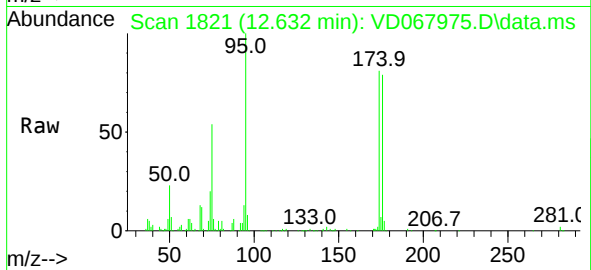
Tgt Ion: 75 Resp: 89553
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.91 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. 0.106 min
 Lab File: VD067975.D
 Acq: 30 Dec 2020 14:43

Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-2(484+26)VOC-GRAB



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	74.9	112.3#
89	0.0	33.8	50.8#

