

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010621\
 Data File : VD068017.D
 Acq On : 06 Jan 2021 16:49
 Operator : VA/SY
 Sample : M1023-01
 Misc : 6.85G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-010621

Quant Time: Jan 07 00:11:28 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)

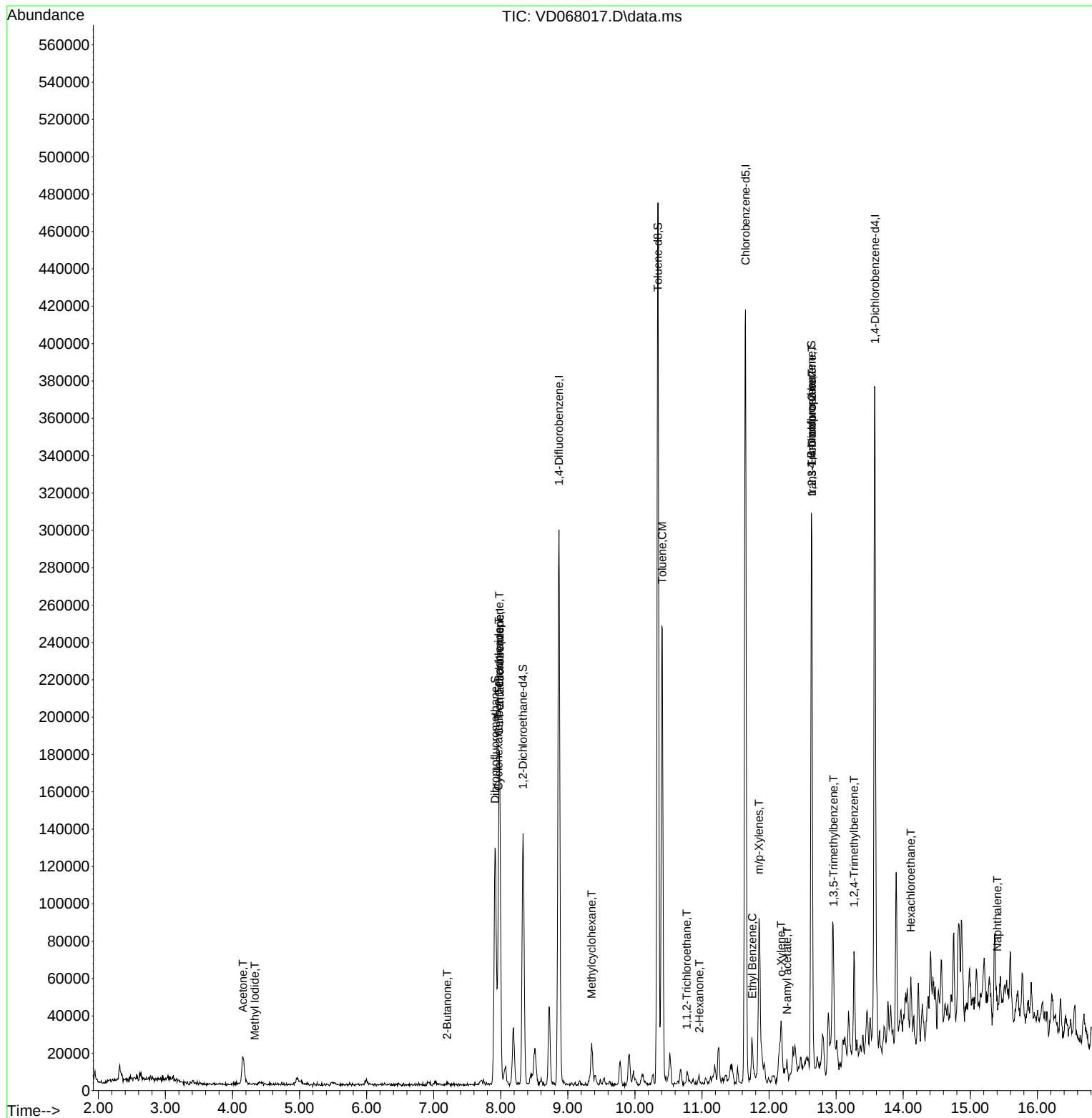
Internal Standards						
1) Pentafluorobenzene	7.985	168	117965	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	249375	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	237066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	92884	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	104896	82.35	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 164.70%#			
35) Dibromofluoromethane	7.914	113	92870	59.10	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 118.20%			
50) Toluene-d8	10.344	98	306305	51.86	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.72%			
62) 4-Bromofluorobenzene	12.632	95	104087	51.52	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.04%			
Target Compounds						
5) Bromomethane	2.768	94	465	Below Cal	#	33
10) Methyl Iodide	4.332	142	274	4.03 ug/l	#	90
11) Tert butyl alcohol	5.226	59	345	Below Cal	#	74
16) Acetone	4.156	43	26410	108.59 ug/l		99
20) Methylene Chloride	4.956	84	1066	Below Cal	#	77
25) 2-Butanone	7.203	43	755	2.11 ug/l	#	49
31) Cyclohexane	7.967	56	9000	3.46 ug/l	#	60
36) 1,1-Dichloropropene	7.979	75	10198	3.85 ug/l	#	45
38) Carbon Tetrachloride	7.973	117	13069	5.16 ug/l	#	18
39) Methylcyclohexane	9.355	83	6871	2.26 ug/l	#	70
52) Toluene	10.408	92	106927	22.53 ug/l		99
55) 1,1,2-Trichloroethane	10.773	97	1970	1.48 ug/l	#	32
59) 2-Hexanone	10.961	43	1971	2.94 ug/l	#	24
67) Ethyl Benzene	11.749	91	14831	1.63 ug/l		93
68) m/p-Xylenes	11.849	106	20746	5.97 ug/l		100
69) o-Xylene	12.179	106	7314	2.35 ug/l		100
74) N-amyl acetate	12.267	43	3438	2.20 ug/l	#	56
76) 1,2,3-Trichloropropane	12.638	75	52345	66.94 ug/l	#	100
80) 1,3,5-Trimethylbenzene	12.961	105	11767	2.06 ug/l		88
81) trans-1,4-Dichloro-2-b...	12.638	75	52345	137.20 ug/l	#	13
84) 1,2,4-Trimethylbenzene	13.267	105	28673	4.99 ug/l		98
90) Hexachloroethane	14.114	117	1916	1.55 ug/l	#	16
95) Naphthalene	15.402	128	7180	2.59 ug/l	#	74

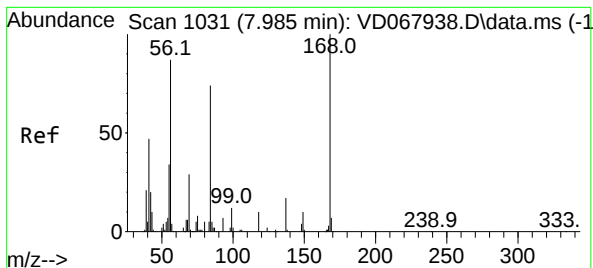
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 6.85G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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Quant Title : SW846 8260
QLast Update : Wed Dec 23 07:34:16 2020
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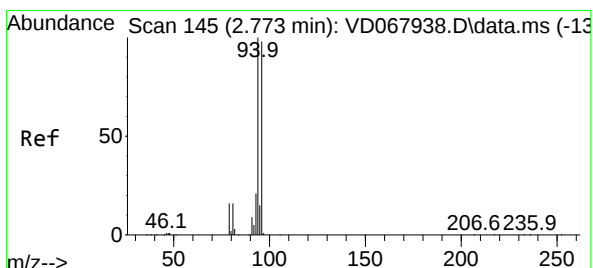
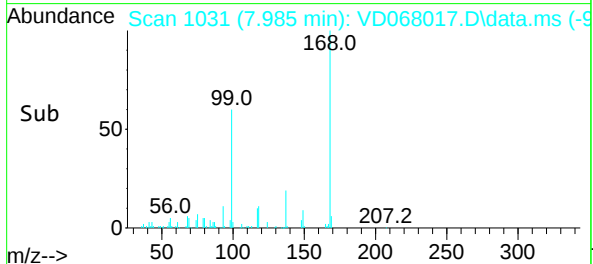
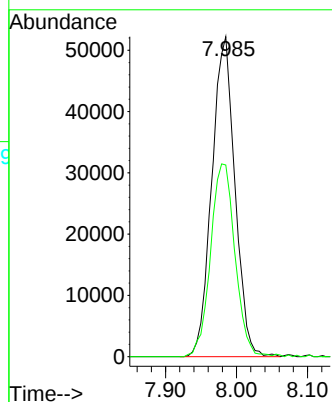
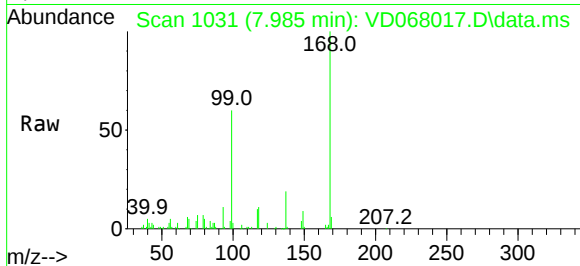




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068017.D
Acq: 06 Jan 2021 16:49

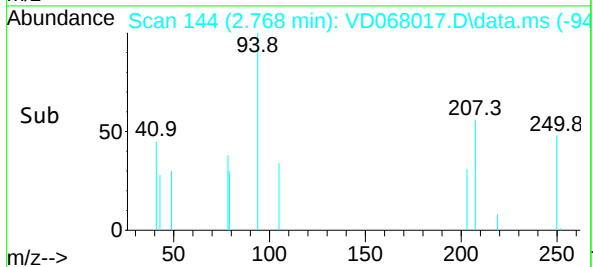
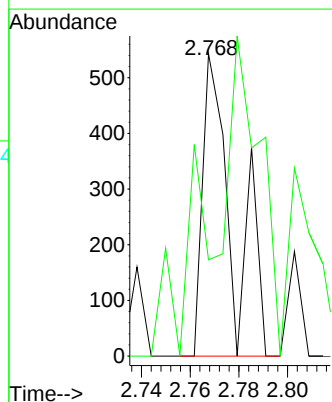
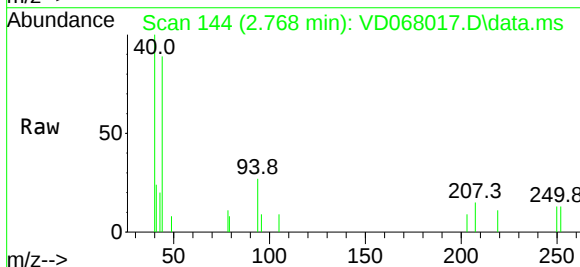
Instrument :
MSVOA_D
ClientSampleId :
SU-04-010621

Tgt Ion:168 Resp: 117965
Ion Ratio Lower Upper
168 100
99 59.9 48.0 72.0



#5
Bromomethane
Concen: Below Cal
RT: 2.768 min Scan# 144
Delta R.T. -0.005 min
Lab File: VD068017.D
Acq: 06 Jan 2021 16:49

Tgt Ion: 94 Resp: 465
Ion Ratio Lower Upper
94 100
96 31.9 78.0 117.0#

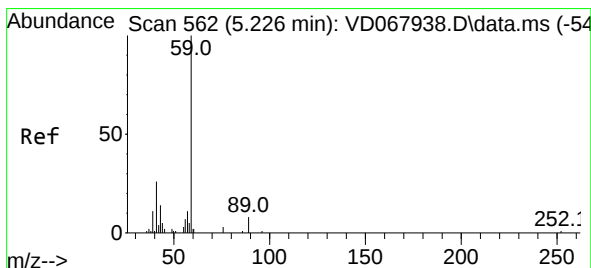
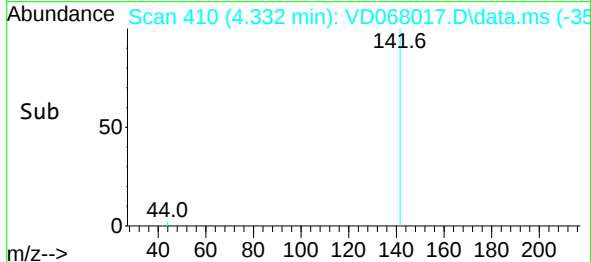
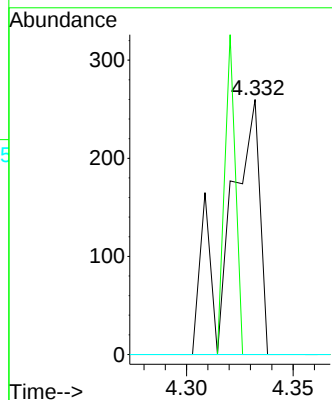
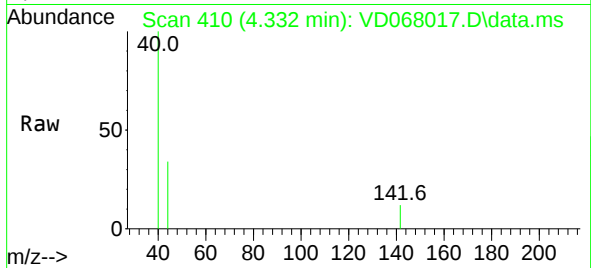




#10
Methyl Iodide
Concen: 4.03 ug/l
RT: 4.332 min Scan# 410
Delta R.T. 0.029 min
Lab File: VD068017.D
Acq: 06 Jan 2021 16:49

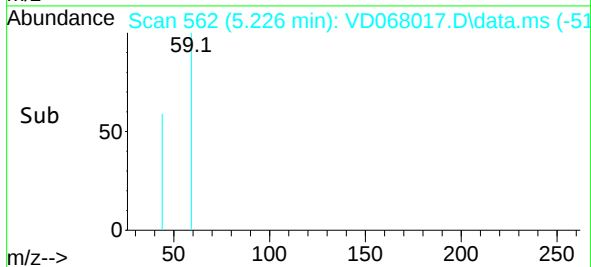
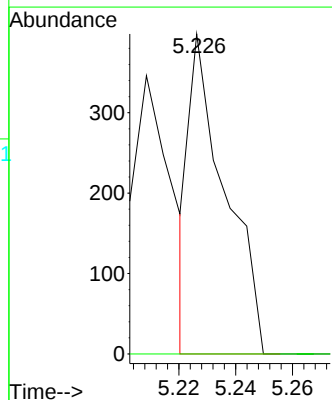
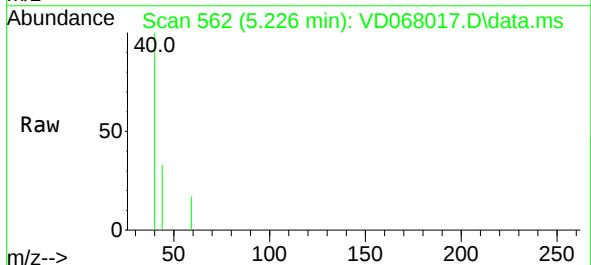
Instrument :
MSVOA_D
ClientSampleId :
SU-04-010621

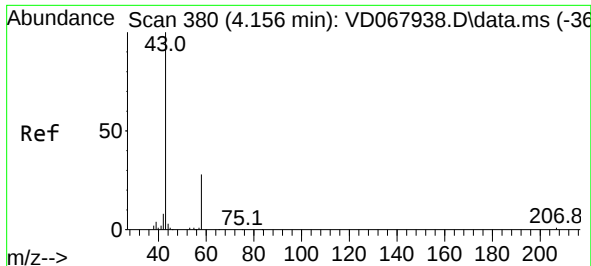
Tgt Ion:142 Resp: 274
Ion Ratio Lower Upper
142 100
127 42.0 34.4 51.6
141 0.0 11.8 17.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.226 min Scan# 562
Delta R.T. 0.000 min
Lab File: VD068017.D
Acq: 06 Jan 2021 16:49

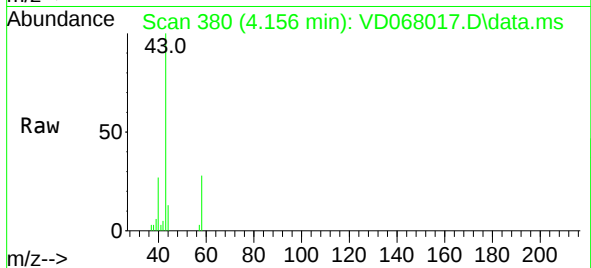
Tgt Ion: 59 Resp: 345
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



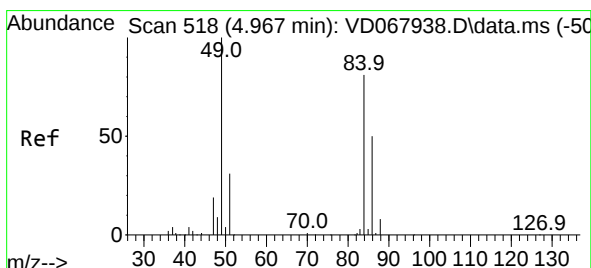
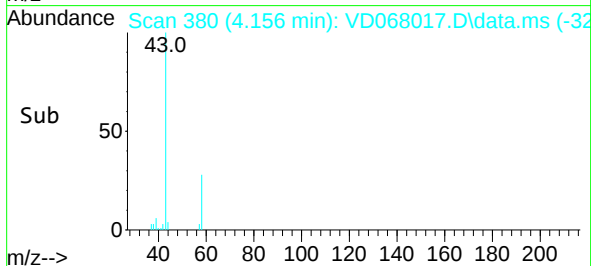
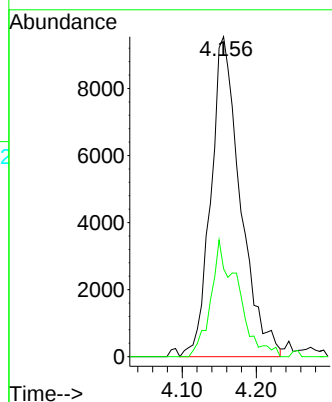


#16
Acetone
Concen: 108.59 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD068017.D
Acq: 06 Jan 2021 16:49

Instrument :
MSVOA_D
ClientSampleId :
SU-04-010621

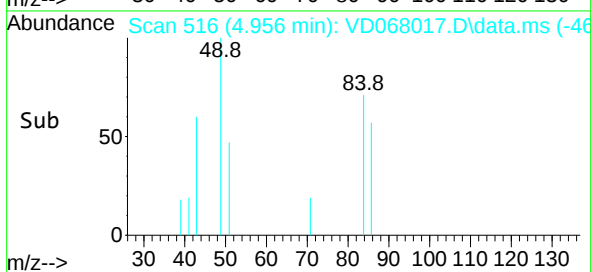
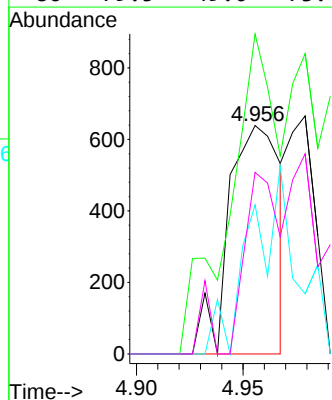
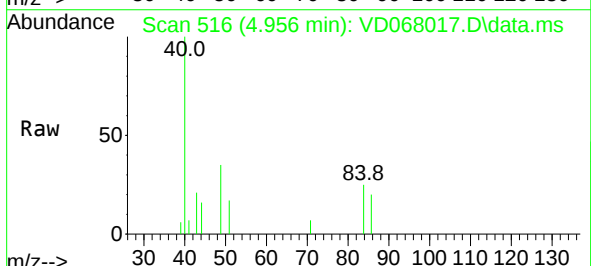


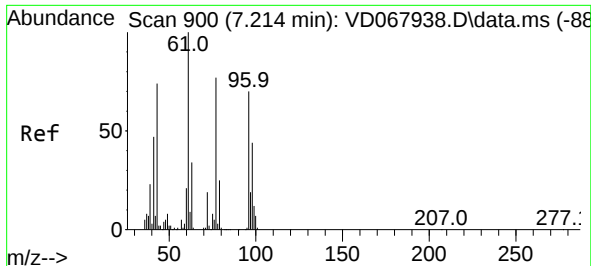
Tgt Ion: 43 Resp: 26410
Ion Ratio Lower Upper
43 100
58 27.5 22.3 33.5



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.011 min
Lab File: VD068017.D
Acq: 06 Jan 2021 16:49

Tgt Ion: 84 Resp: 1066
Ion Ratio Lower Upper
84 100
49 140.1 98.3 147.5
51 65.3 30.3 45.5#
86 79.5 49.0 73.4#

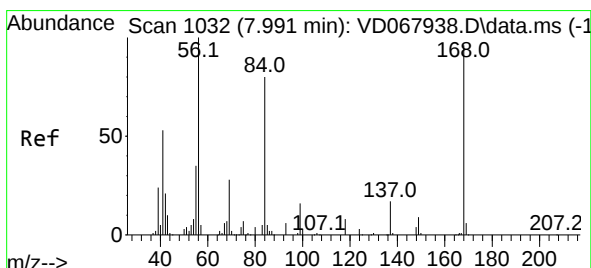
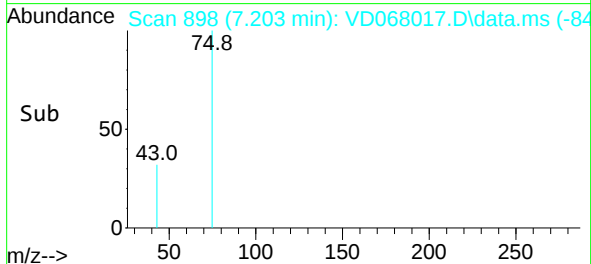
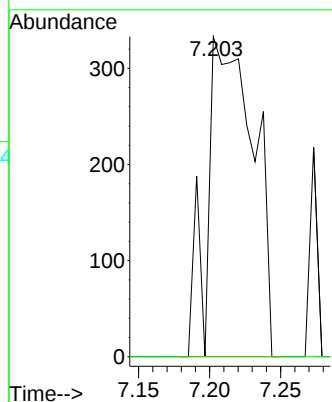
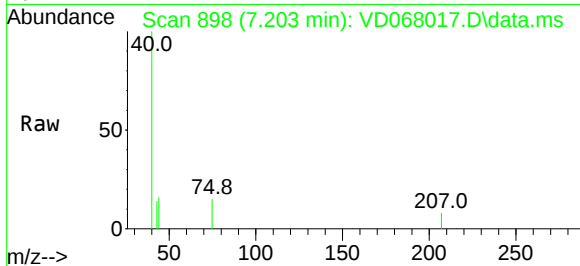




#25
2-Butanone
Concen: 2.11 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.012 min
Lab File: VD068017.D
Acq: 06 Jan 2021 16:49

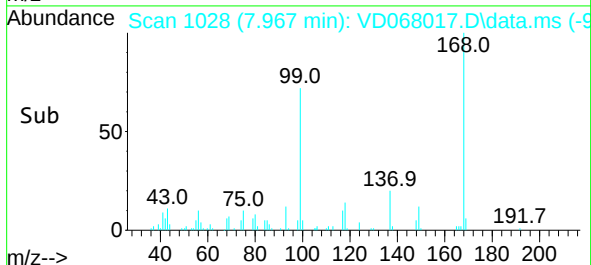
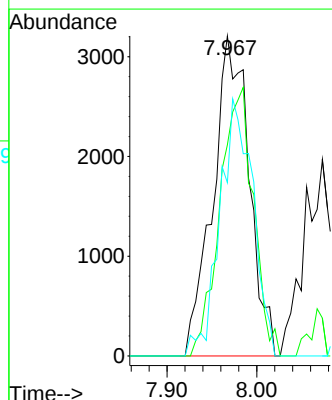
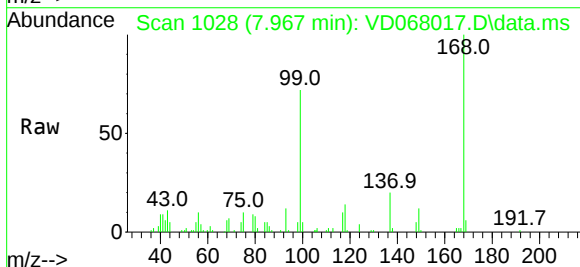
Instrument :
MSVOA_D
ClientSampleId :
SU-04-010621

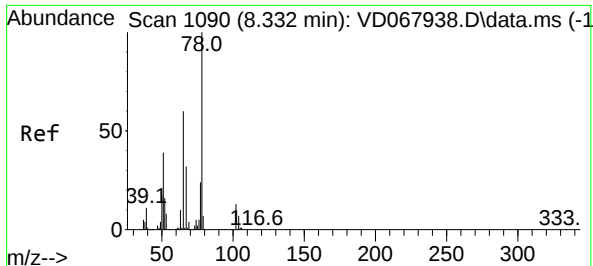
Tgt Ion: 43 Resp: 755
Ion Ratio Lower Upper
43 100
72 0.0 20.8 31.2#



#31
Cyclohexane
Concen: 3.46 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.023 min
Lab File: VD068017.D
Acq: 06 Jan 2021 16:49

Tgt Ion: 56 Resp: 9000
Ion Ratio Lower Upper
56 100
69 66.0 22.7 34.1#
84 54.2 64.2 96.4#

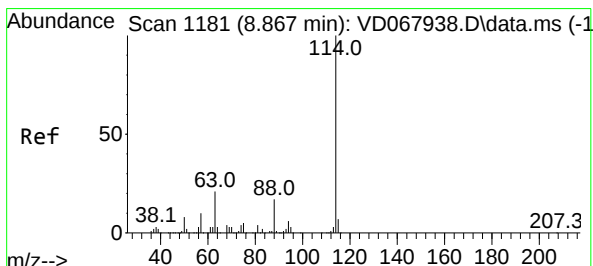
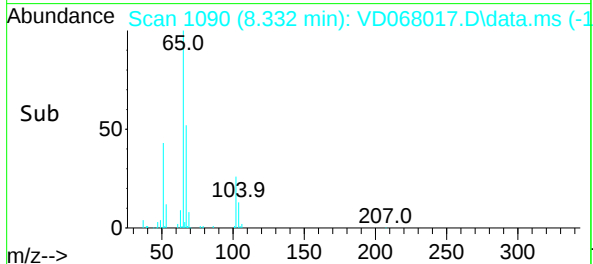
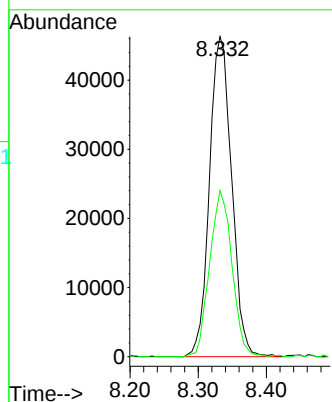
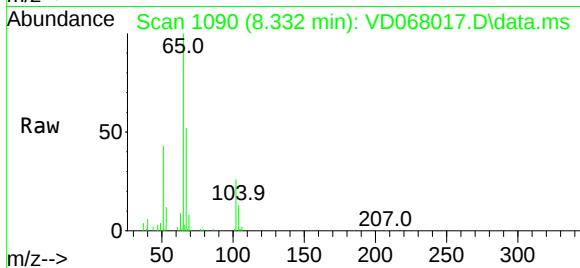




#33
1,2-Dichloroethane-d4
Concen: 82.35 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD068017.D
Acq: 06 Jan 2021 16:49

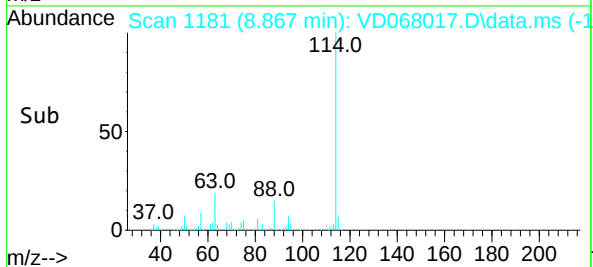
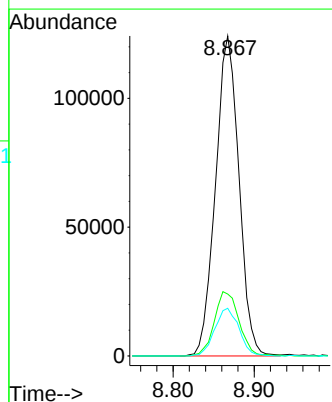
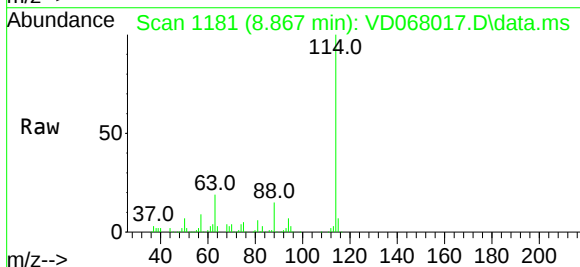
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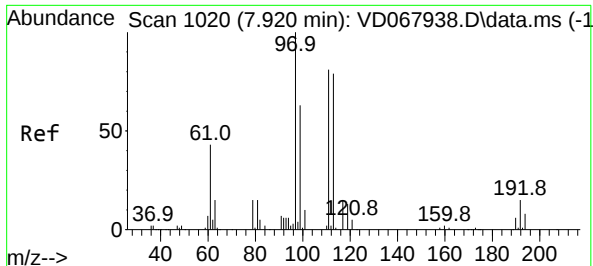
Tgt Ion: 65 Resp: 104896
Ion Ratio Lower Upper
65 100
67 52.2 0.0 110.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068017.D
Acq: 06 Jan 2021 16:49

Tgt Ion: 114 Resp: 249375
Ion Ratio Lower Upper
114 100
63 19.4 0.0 41.4
88 14.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 59.10 ug/l

RT: 7.914 min Scan# 1019

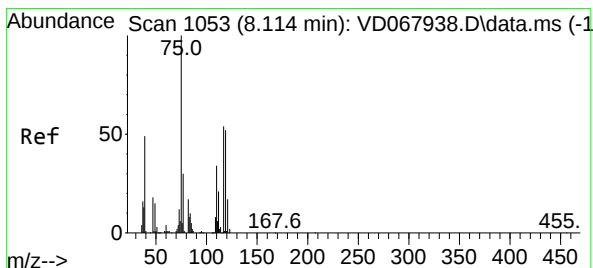
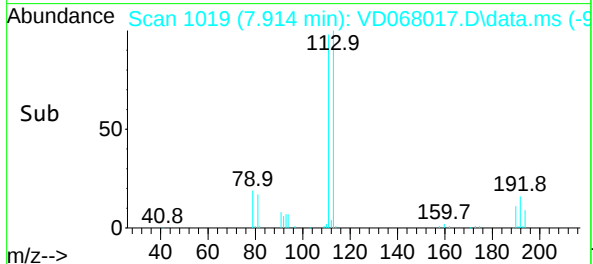
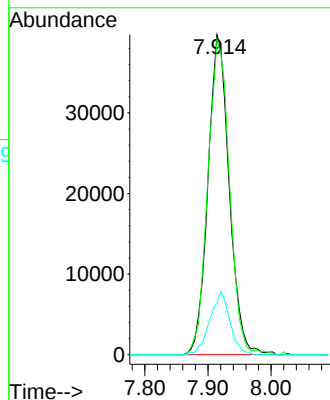
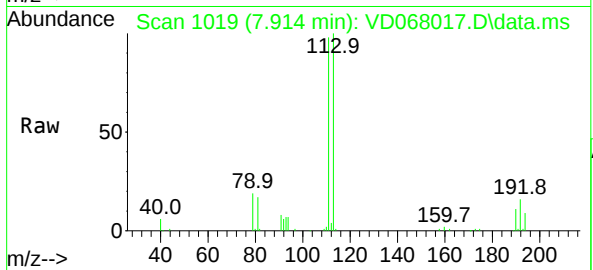
Delta R.T. -0.006 min

Lab File: VD068017.D

Acq: 06 Jan 2021 16:49

Tgt Ion:	113	Resp:	92870
Ion	Ratio	Lower	Upper
113	100		
111	100.4	79.3	118.9
192	18.7	14.5	21.7

Instrument :
MSVOA_D
ClientSampleId :
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#36

1,1-Dichloropropene

Concen: 3.85 ug/l

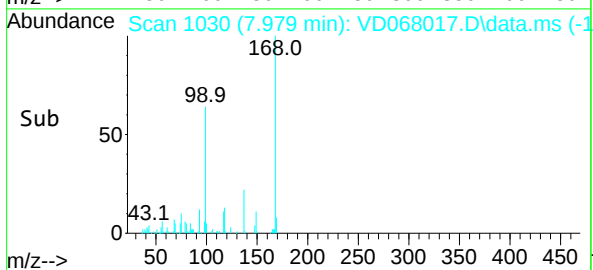
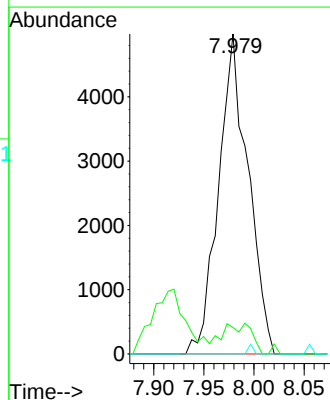
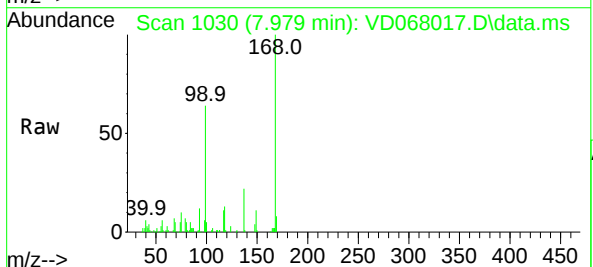
RT: 7.979 min Scan# 1030

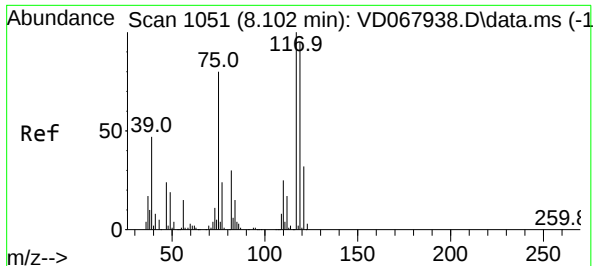
Delta R.T. -0.135 min

Lab File: VD068017.D

Acq: 06 Jan 2021 16:49

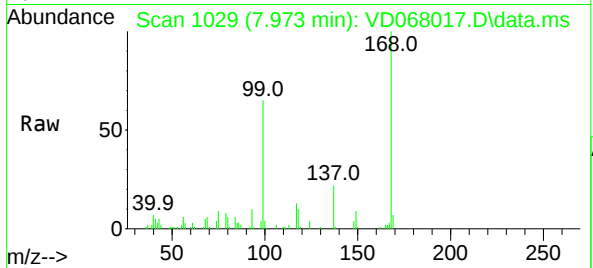
Tgt Ion:	75	Resp:	10198
Ion	Ratio	Lower	Upper
75	100		
110	3.2	17.0	51.0#
77	0.0	24.6	37.0#



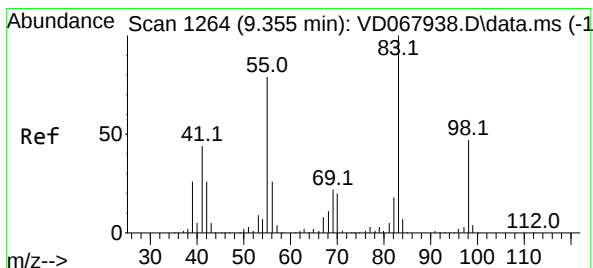
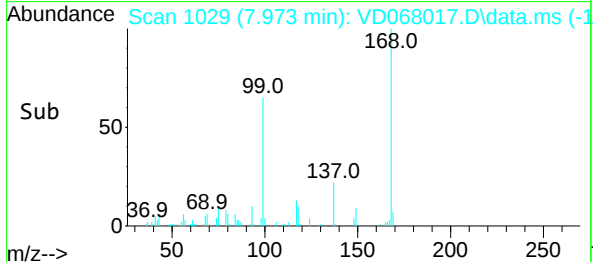
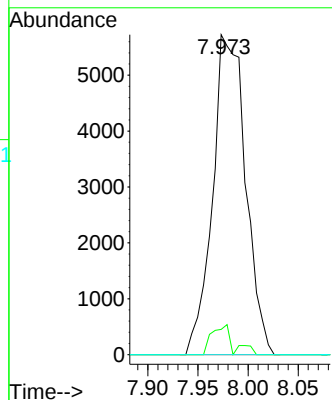


#38
Carbon Tetrachloride
Concen: 5.16 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.129 min
Lab File: VD068017.D
Acq: 06 Jan 2021 16:49

Instrument :
MSVOA_D
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SU-04-010621

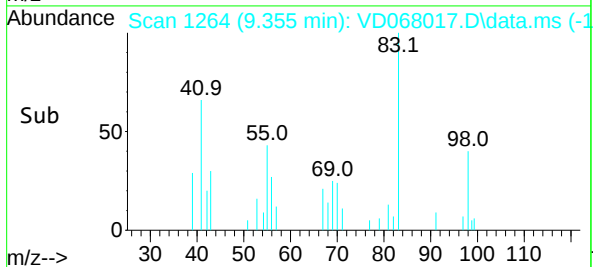
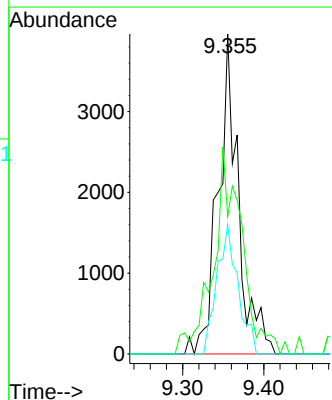
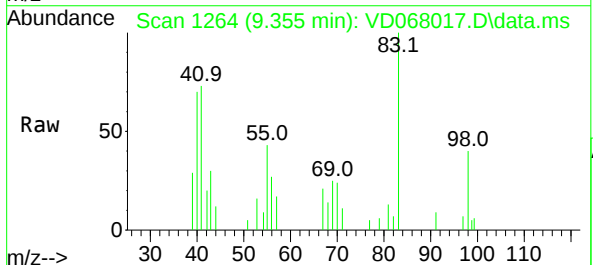


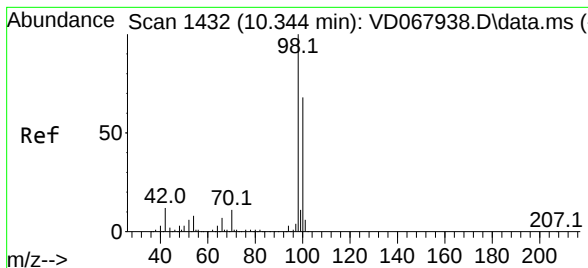
Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.9	76.2	114.4#
121	0.0	25.9	38.9#



#39
Methylcyclohexane
Concen: 2.26 ug/l
RT: 9.355 min Scan# 1264
Delta R.T. 0.000 min
Lab File: VD068017.D
Acq: 06 Jan 2021 16:49

Tgt Ion	Ratio	Lower	Upper
83	100		
55	43.0	63.5	95.3#
98	40.4	37.3	55.9

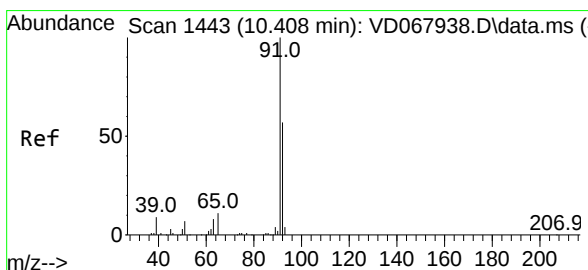
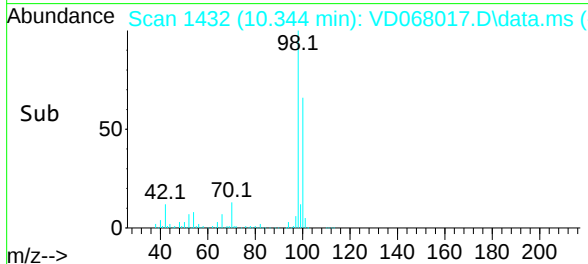
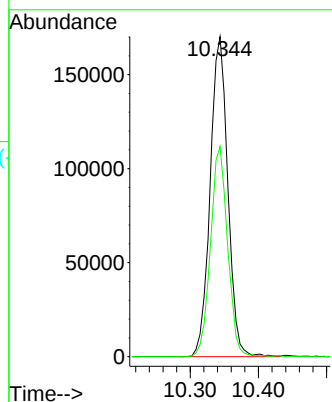
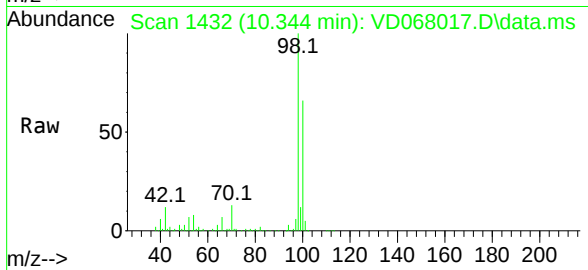




#50
Toluene-d8
Concen: 51.86 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068017.D
Acq: 06 Jan 2021 16:49

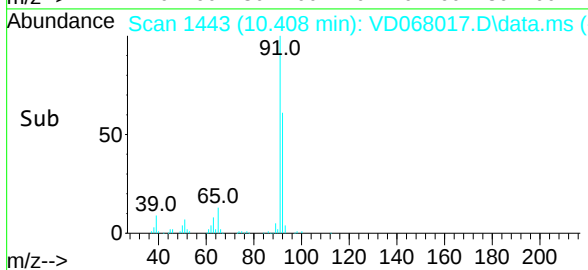
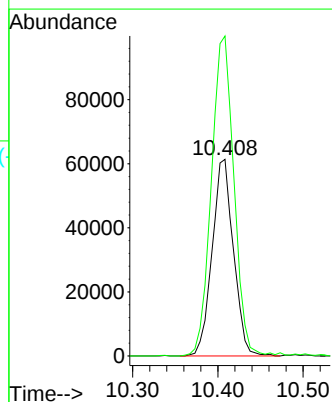
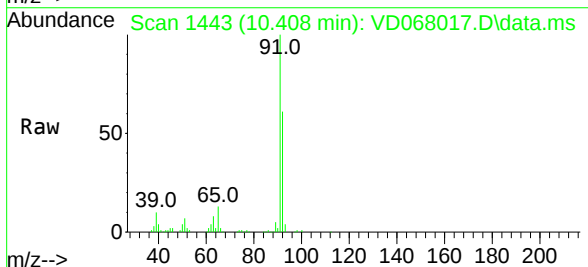
Instrument :
MSVOA_D
ClientSampleId :
SU-04-010621

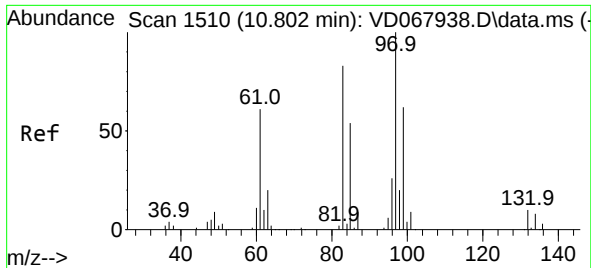
Tgt Ion: 98 Resp: 306305
Ion Ratio Lower Upper
98 100
100 63.7 52.5 78.7



#52
Toluene
Concen: 22.53 ug/l
RT: 10.408 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VD068017.D
Acq: 06 Jan 2021 16:49

Tgt Ion: 92 Resp: 106927
Ion Ratio Lower Upper
92 100
91 171.3 138.5 207.7

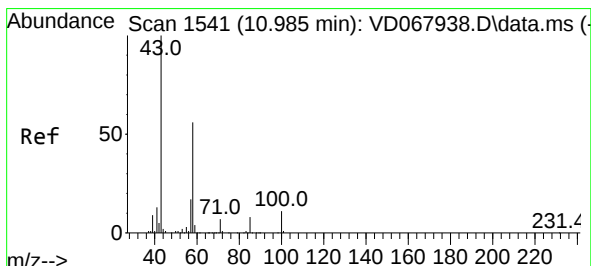
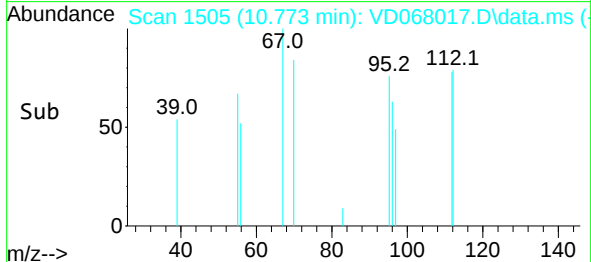
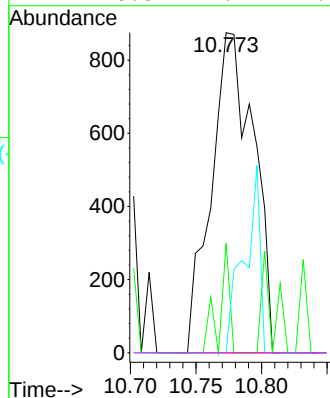
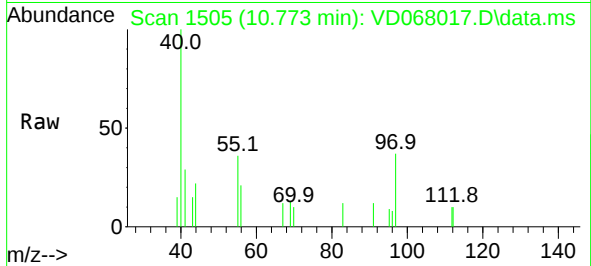




#55
1,1,2-Trichloroethane
Concen: 1.48 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.029 min
Lab File: VD068017.D
Acq: 06 Jan 2021 16:49

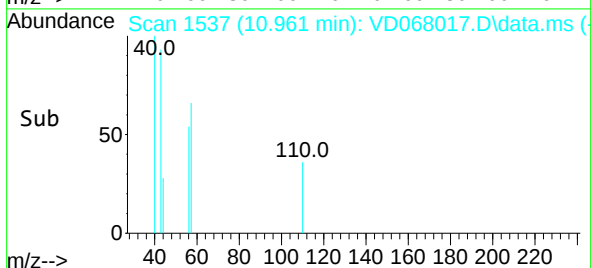
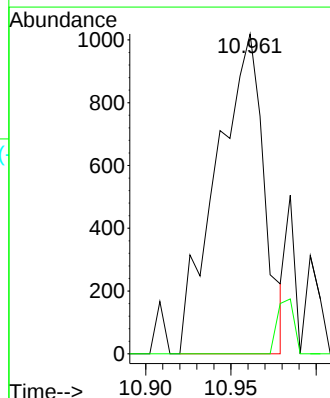
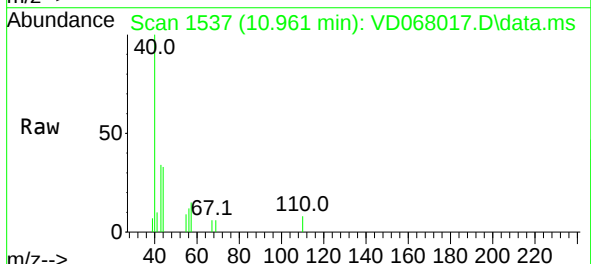
Instrument :
MSVOA_D
ClientSampleId :
SU-04-010621

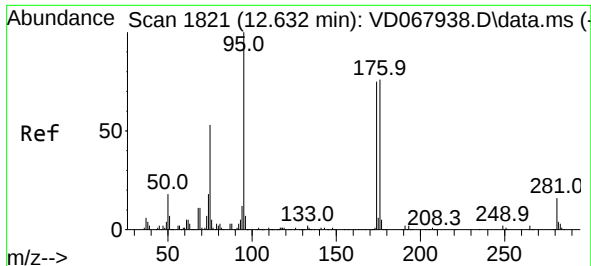
Tgt Ion: 97	Resp: 1970
Ion Ratio	Lower Upper
97 100	
83 34.2	66.4 99.6#
85 0.0	43.4 65.0#
99 0.0	49.4 74.0#



#59
2-Hexanone
Concen: 2.94 ug/l
RT: 10.961 min Scan# 1537
Delta R.T. -0.023 min
Lab File: VD068017.D
Acq: 06 Jan 2021 16:49

Tgt Ion: 43	Resp: 1971
Ion Ratio	Lower Upper
43 100	
58 0.0	27.5 82.4#

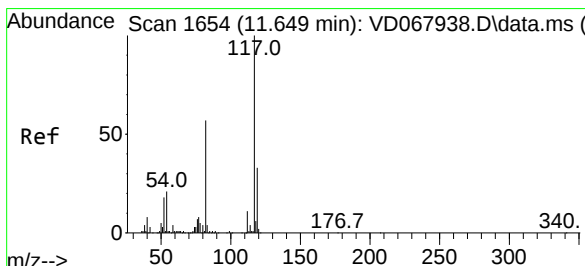
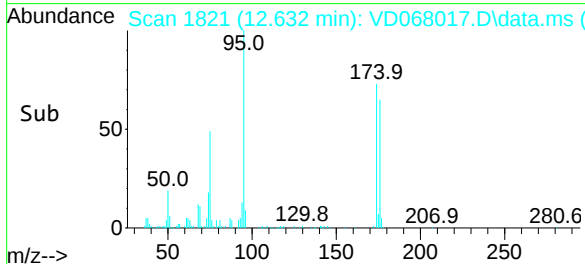
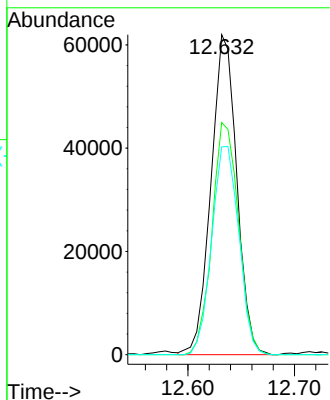
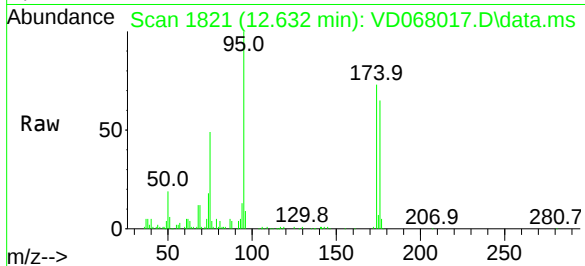




#62
4-Bromofluorobenzene
Concen: 51.52 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068017.D
Acq: 06 Jan 2021 16:49

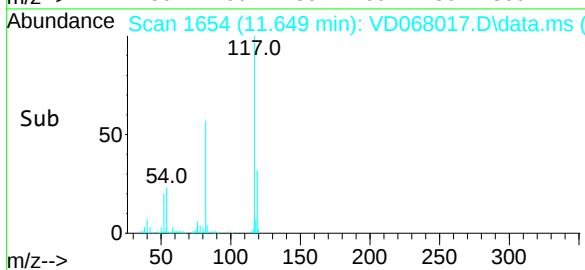
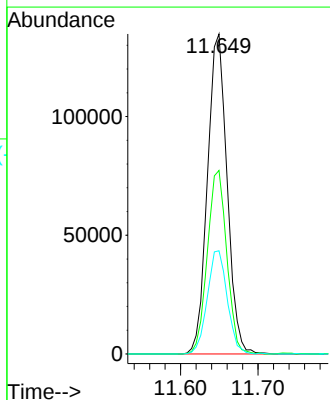
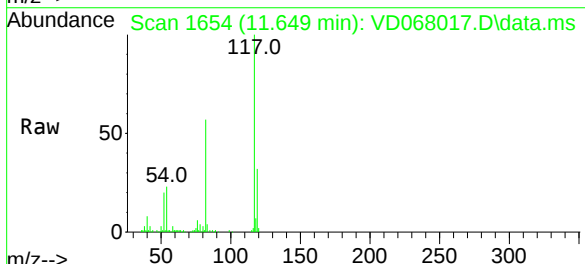
Instrument :
MSVOA_D
ClientSampleId :
SU-04-010621

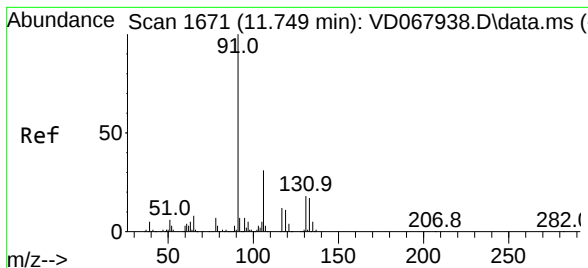
Tgt Ion: 95 Resp: 104087
Ion Ratio Lower Upper
95 100
174 74.4 0.0 150.6
176 68.4 0.0 151.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068017.D
Acq: 06 Jan 2021 16:49

Tgt Ion: 117 Resp: 237066
Ion Ratio Lower Upper
117 100
82 57.3 45.4 68.0
119 32.3 26.7 40.1

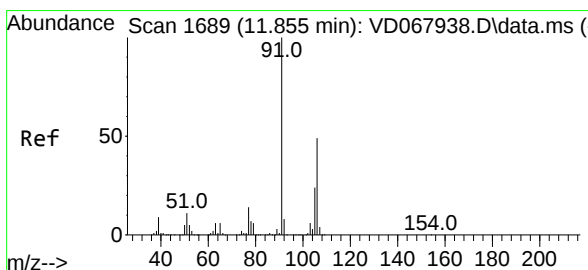
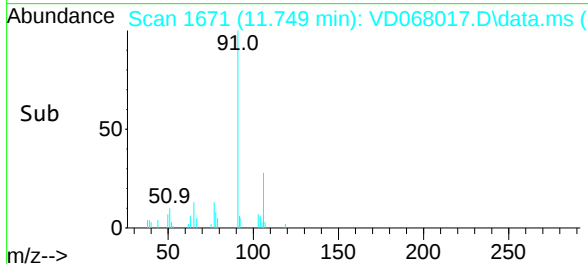
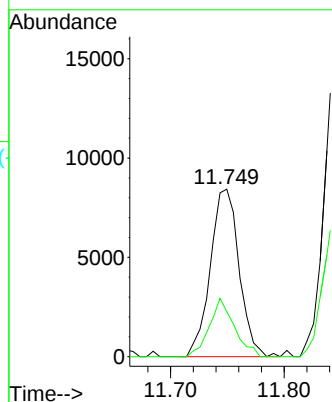
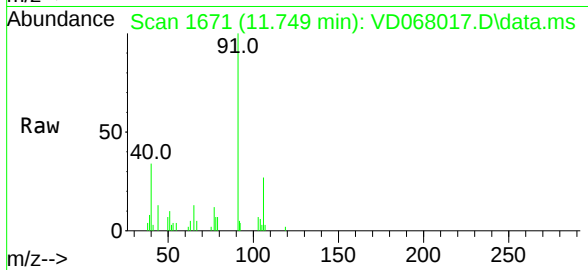




#67
Ethyl Benzene
Concen: 1.63 ug/l
RT: 11.749 min Scan# 1671
Delta R.T. 0.000 min
Lab File: VD068017.D
Acq: 06 Jan 2021 16:49

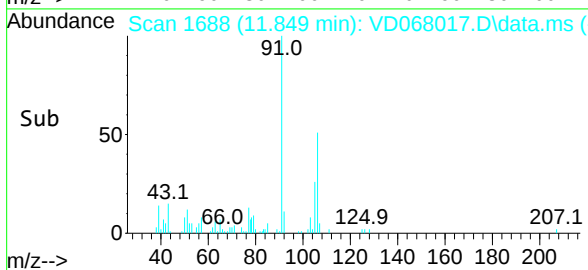
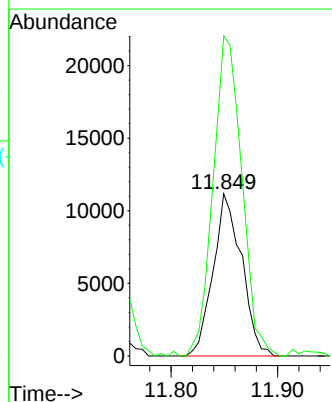
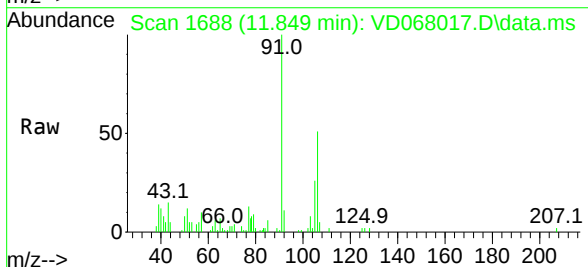
Instrument :
MSVOA_D
ClientSampleId :
SU-04-010621

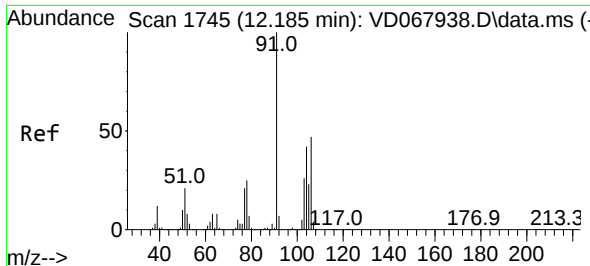
Tgt Ion: 91 Resp: 14831
Ion Ratio Lower Upper
91 100
106 27.0 24.6 37.0



#68
m/p-Xylenes
Concen: 5.97 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. -0.006 min
Lab File: VD068017.D
Acq: 06 Jan 2021 16:49

Tgt Ion: 106 Resp: 20746
Ion Ratio Lower Upper
106 100
91 199.7 159.9 239.9

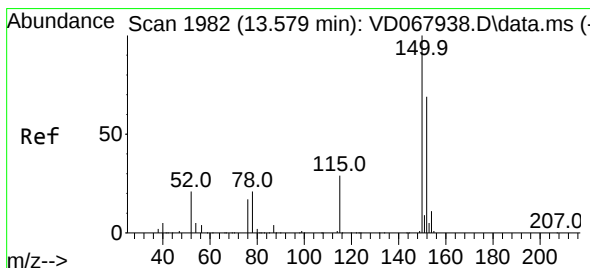
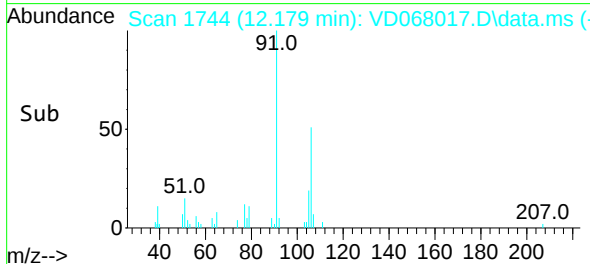
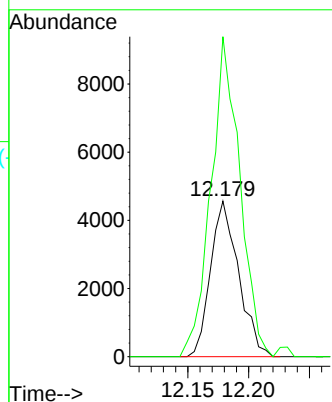
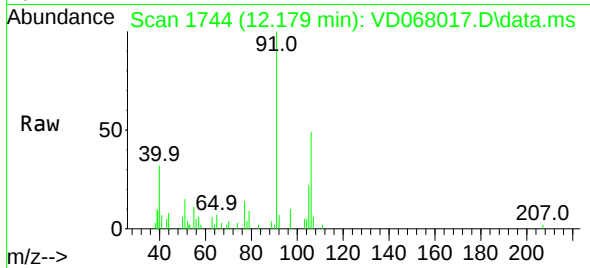




#69
o-Xylene
Concen: 2.35 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. -0.006 min
Lab File: VD068017.D
Acq: 06 Jan 2021 16:49

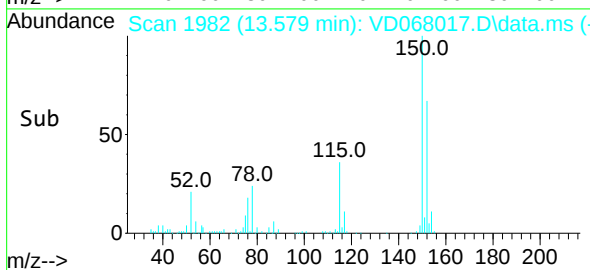
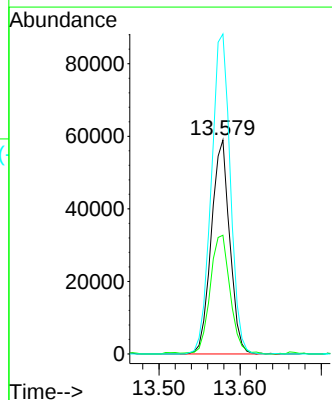
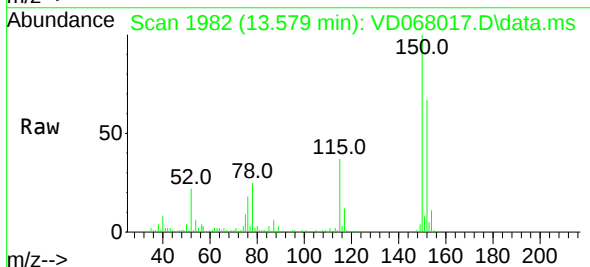
Instrument :
MSVOA_D
ClientSampleId :
SU-04-010621

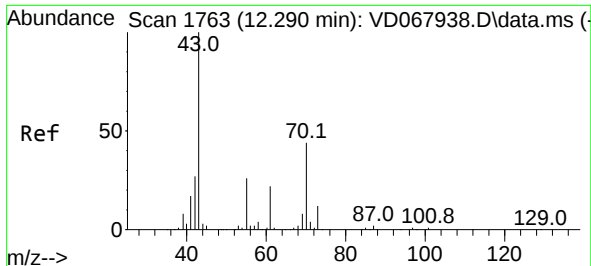
Tgt Ion:106 Resp: 7314
Ion Ratio Lower Upper
106 100
91 212.2 106.0 317.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.579 min Scan# 1982
Delta R.T. 0.000 min
Lab File: VD068017.D
Acq: 06 Jan 2021 16:49

Tgt Ion:152 Resp: 92884
Ion Ratio Lower Upper
152 100
115 60.4 29.3 88.0
150 154.3 0.0 340.0

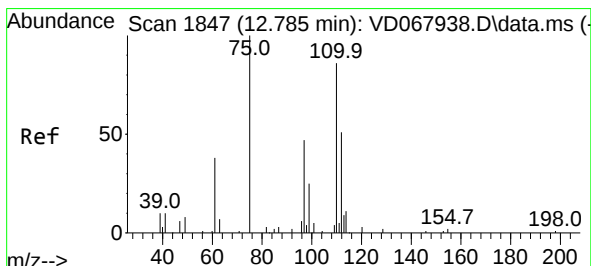
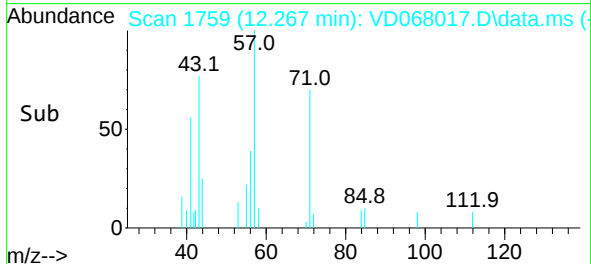
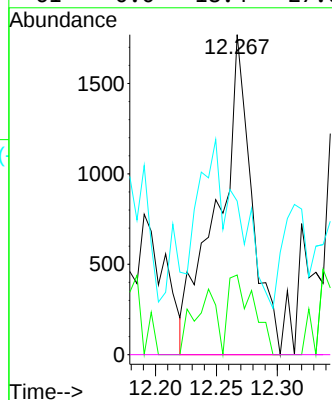
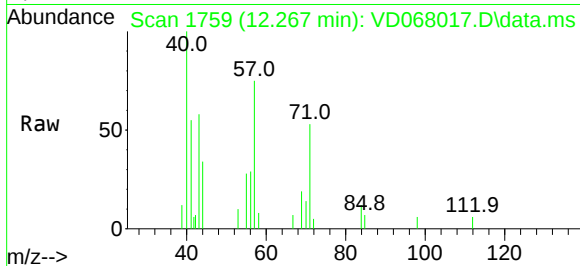




#74
N-amy1 acetate
Concen: 2.20 ug/l
RT: 12.267 min Scan# 1759
Delta R.T. -0.023 min
Lab File: VD068017.D
Acq: 06 Jan 2021 16:49

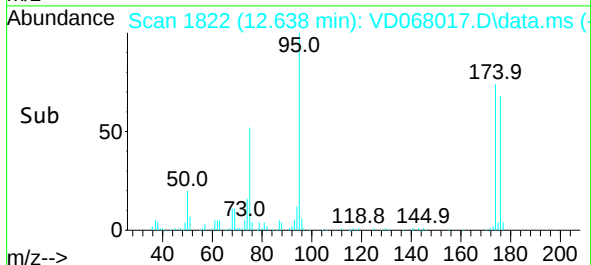
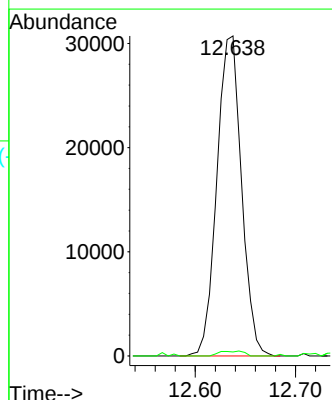
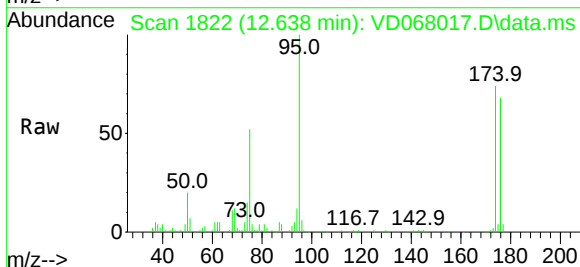
Instrument :
MSVOA_D
ClientSampleId :
SU-04-010621

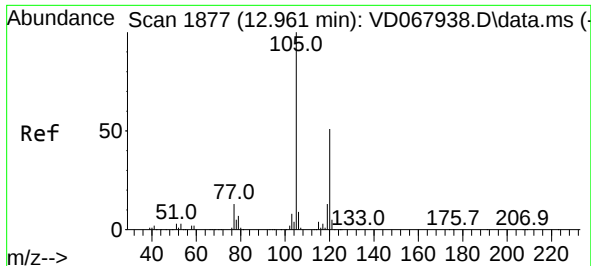
Tgt Ion: 43	Resp: 3438
Ion Ratio	Lower Upper
43	100
70	18.8 34.3 51.5#
55	0.0 21.2 31.8#
61	0.0 18.4 27.6#



#76
1,2,3-Trichloropropane
Concen: 66.94 ug/l
RT: 12.638 min Scan# 1822
Delta R.T. -0.147 min
Lab File: VD068017.D
Acq: 06 Jan 2021 16:49

Tgt Ion: 75	Resp: 52345
Ion Ratio	Lower Upper
75	100
77	1.5 0.0 0.0#

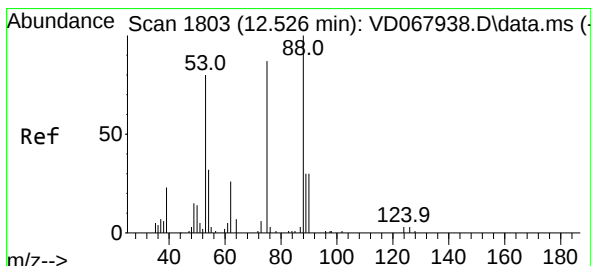
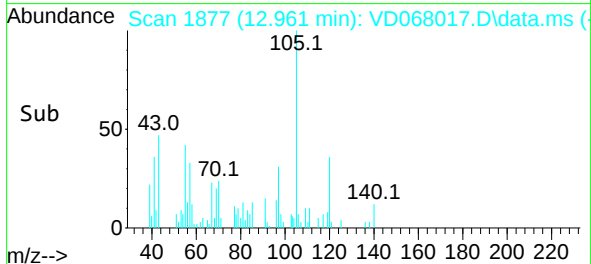
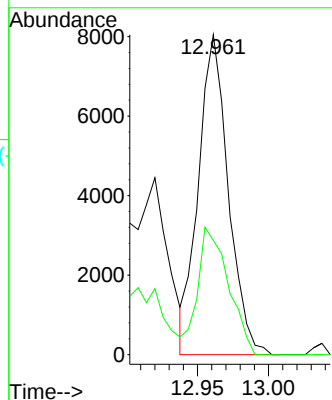
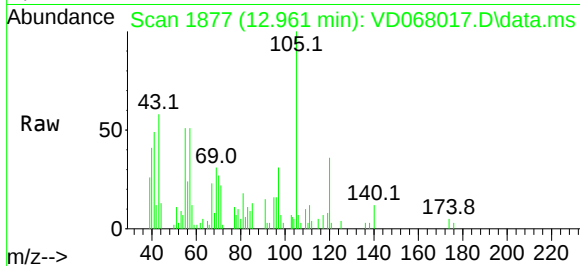




#80
1,3,5-Trimethylbenzene
Concen: 2.06 ug/l
RT: 12.961 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VD068017.D
Acq: 06 Jan 2021 16:49

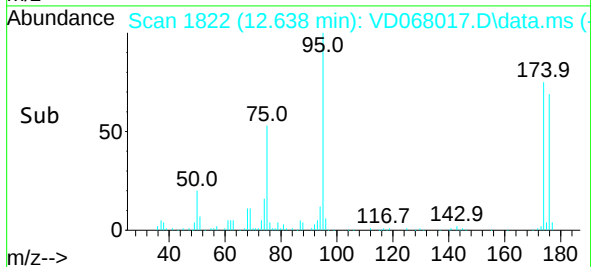
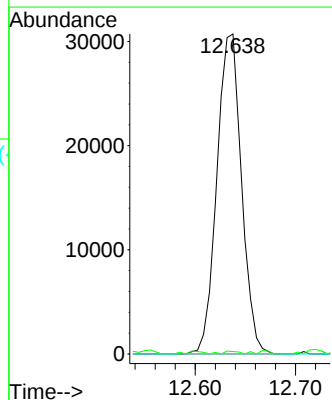
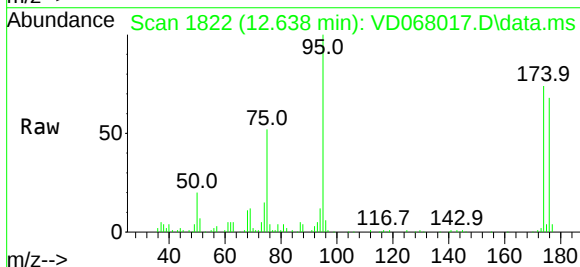
Instrument :
MSVOA_D
ClientSampleId :
SU-04-010621

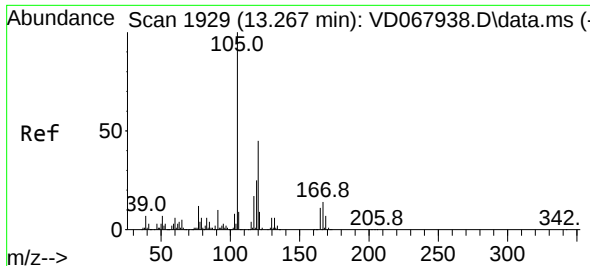
Tgt Ion:105 Resp: 11767
Ion Ratio Lower Upper
105 100
120 41.2 24.9 74.6



#81
trans-1,4-Dichloro-2-butene
Concen: 137.20 ug/l
RT: 12.638 min Scan# 1822
Delta R.T. 0.112 min
Lab File: VD068017.D
Acq: 06 Jan 2021 16:49

Tgt Ion: 75 Resp: 52345
Ion Ratio Lower Upper
75 100
53 0.6 74.9 112.3#
89 0.0 33.8 50.8#

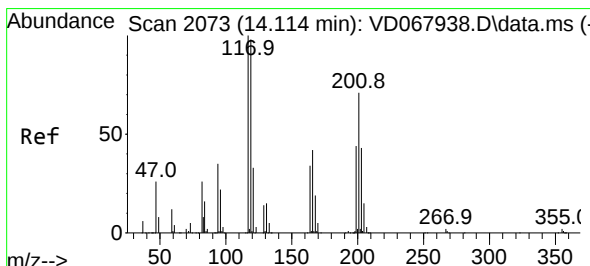
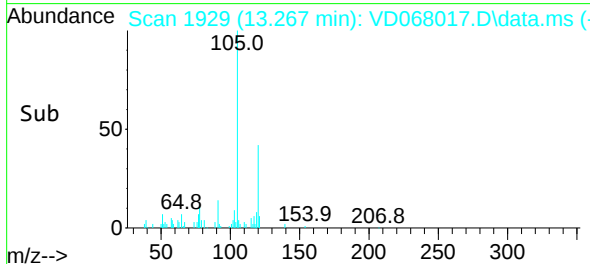
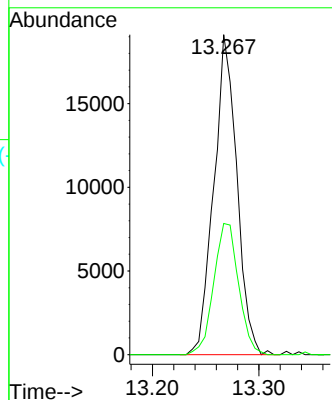
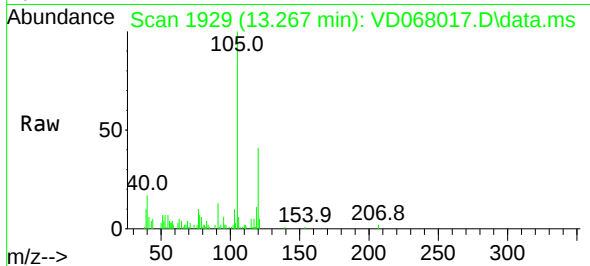




#84
1,2,4-Trimethylbenzene
Concen: 4.99 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.000 min
Lab File: VD068017.D
Acq: 06 Jan 2021 16:49

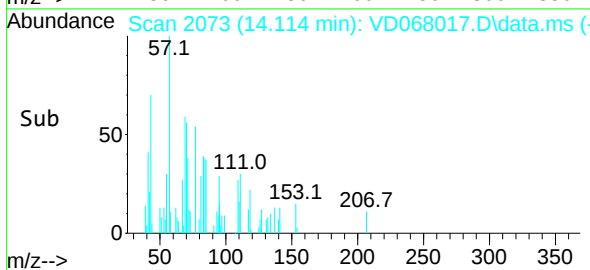
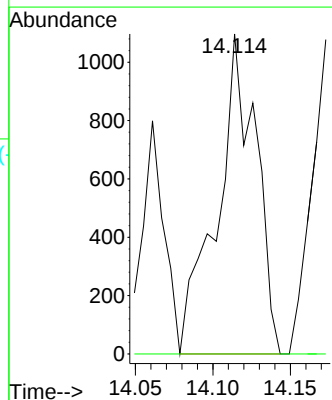
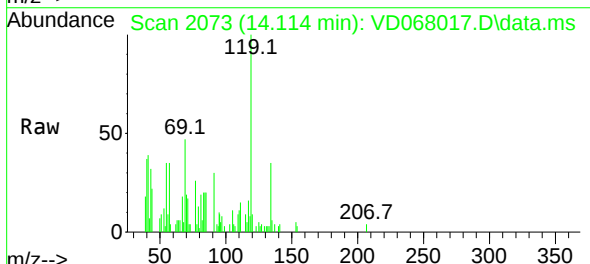
Instrument :
MSVOA_D
ClientSampleId :
SU-04-010621

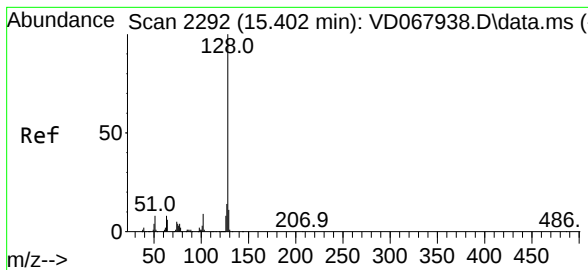
Tgt Ion:105 Resp: 28673
Ion Ratio Lower Upper
105 100
120 44.3 22.7 68.0



#90
Hexachloroethane
Concen: 1.55 ug/l
RT: 14.114 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VD068017.D
Acq: 06 Jan 2021 16:49

Tgt Ion:117 Resp: 1916
Ion Ratio Lower Upper
117 100
201 0.0 34.3 102.8#





#95
Naphthalene
Concen: 2.59 ug/l
RT: 15.402 min Scan# 2292
Delta R.T. 0.000 min
Lab File: VD068017.D
Acq: 06 Jan 2021 16:49

Instrument :
MSVOA_D
ClientSampleId :
SU-04-010621

Tgt Ion:128 Resp: 7180
Ion Ratio Lower Upper
128 100
127 20.9 11.2 16.8#
129 25.4 8.6 12.8#

