

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050721\
 Data File : VD069111.D
 Acq On : 07 May 2021 19:20
 Operator : VA/SY
 Sample : M2310-03
 Misc : 6.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BS-SP2

Quant Time: May 08 00:10:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050421S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 05 04:16:41 2021
 Response via : Initial Calibration

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

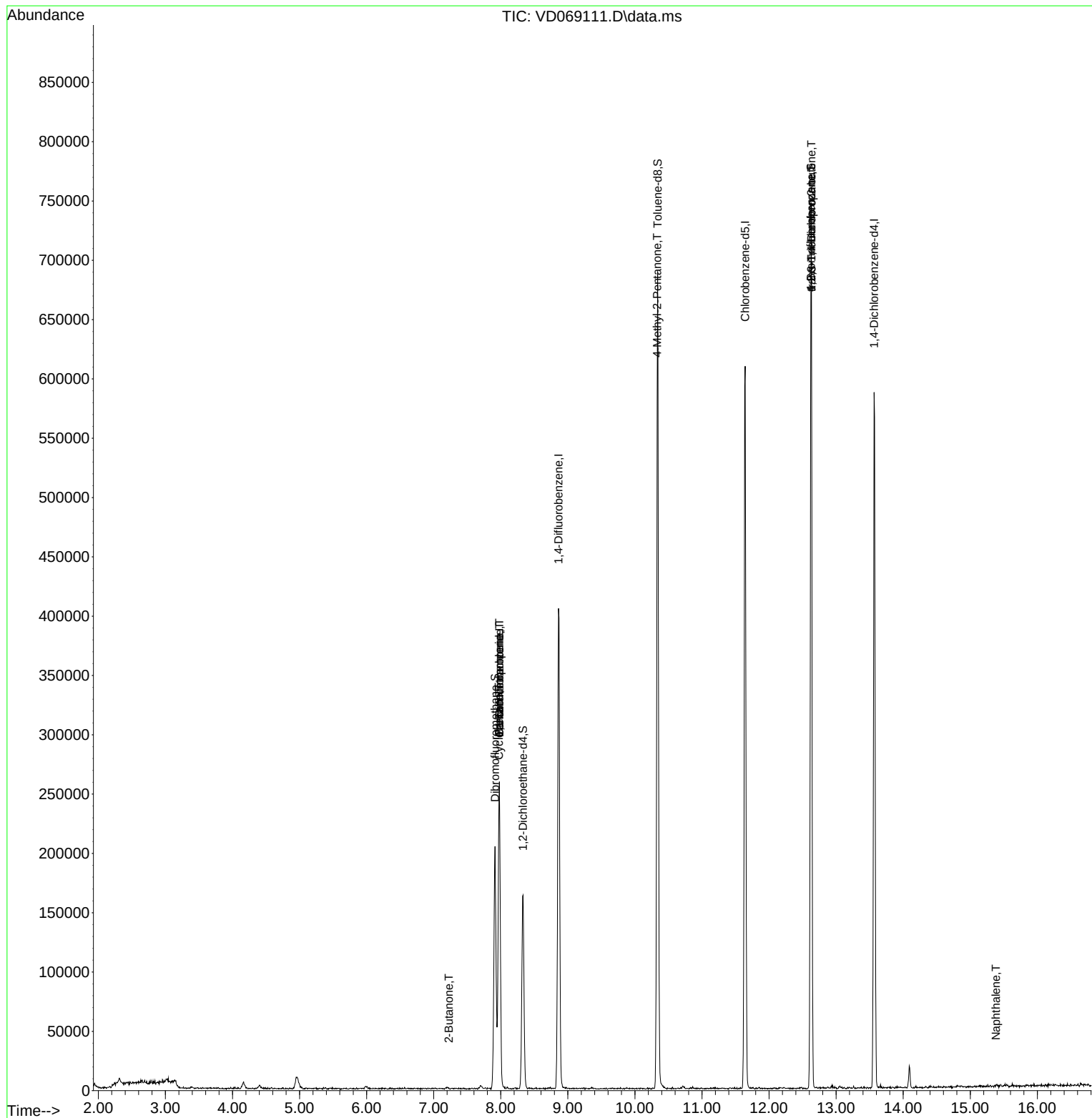
Internal Standards						
1) Pentafluorobenzene	7.979	168	188641	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	358398	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	362603	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	158583	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	129051	53.08	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.16%	
35) Dibromofluoromethane	7.914	113	137925	56.12	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.24%	
50) Toluene-d8	10.338	98	466530	51.42	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.84%	
62) 4-Bromofluorobenzene	12.626	95	150289	50.36	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 100.72%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.232	59	189	Below Cal	#	81
20) Methylene Chloride	4.961	84	7700	Below Cal		95
25) 2-Butanone	7.226	43	831	1.60	ug/l #	46
31) Cyclohexane	7.973	56	4328	1.23	ug/l #	42
36) 1,1-Dichloropropene	7.979	75	15128	4.01	ug/l #	52
38) Carbon Tetrachloride	7.979	117	19795	4.84	ug/l #	16
51) 4-Methyl-2-Pentanone	10.332	43	1850	1.36	ug/l #	1
76) 1,2,3-Trichloropropane	12.632	75	81639	59.14	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	81639	128.68	ug/l #	10
95) Naphthalene	15.384	128	1013	3.01	ug/l #	77

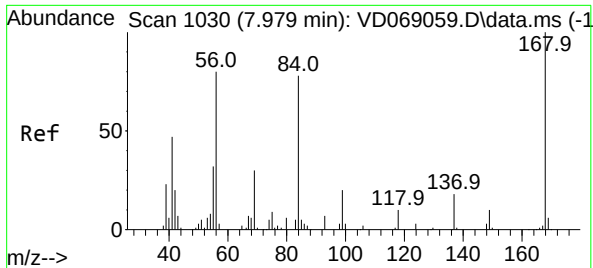
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 08 00:10:16 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050421S.M
Quant Title : SW846 8260
QLast Update : Wed May 05 04:16:41 2021
Response via : Initial Calibration

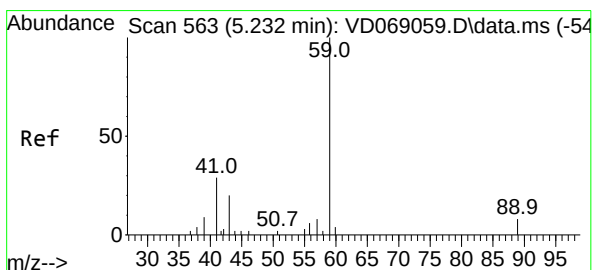
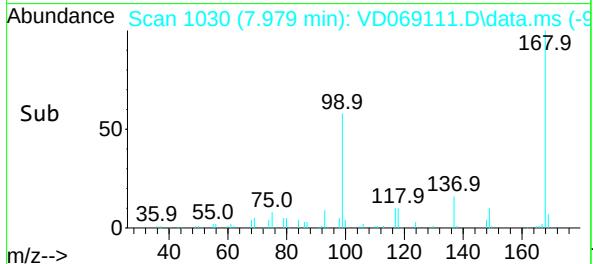
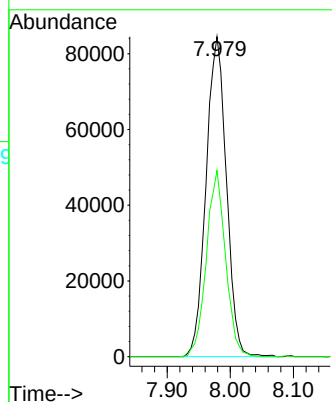
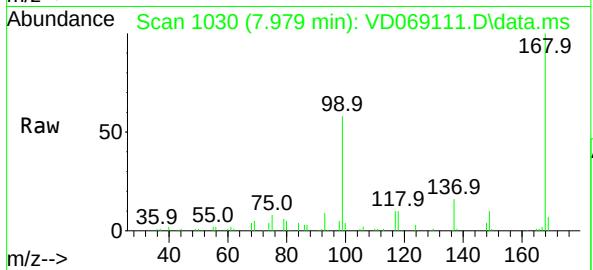




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069111.D
Acq: 07 May 2021 19:20

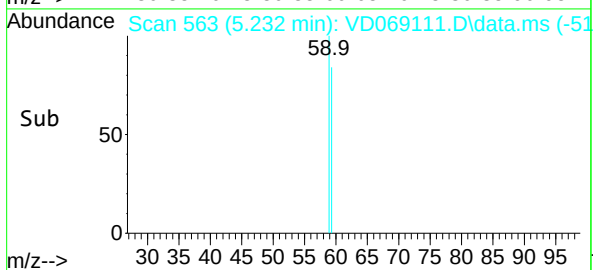
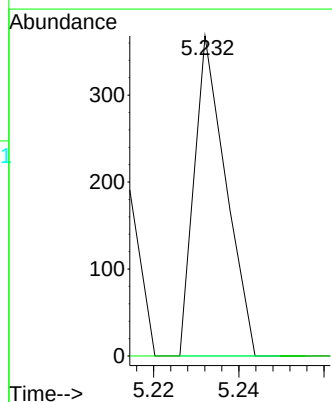
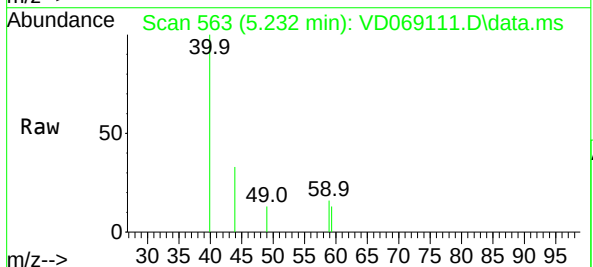
Instrument :
MSVOA_D
ClientSampleId :
BS-SP2

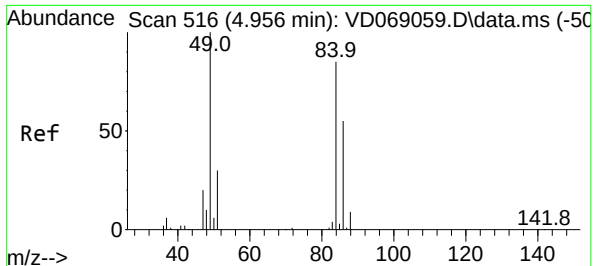
Tgt Ion:168 Resp: 188641
Ion Ratio Lower Upper
168 100
99 58.2 52.6 78.8



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.232 min Scan# 563
Delta R.T. 0.000 min
Lab File: VD069111.D
Acq: 07 May 2021 19:20

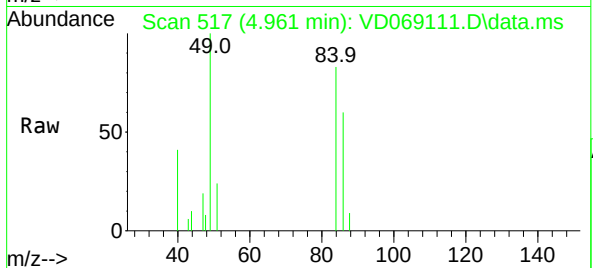
Tgt Ion: 59 Resp: 189
Ion Ratio Lower Upper
59 100
57 0.0 5.3 7.9#



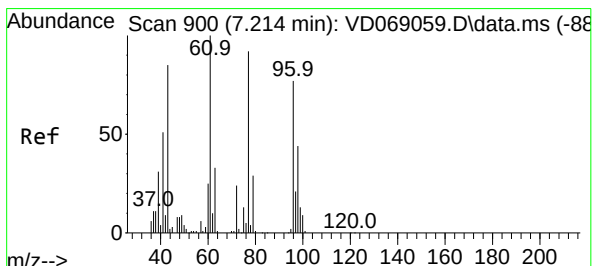
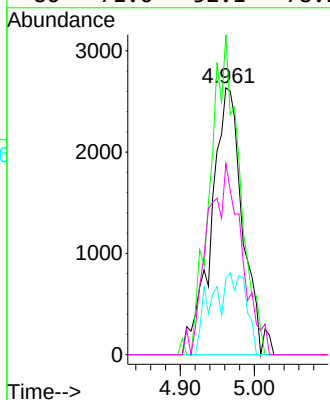
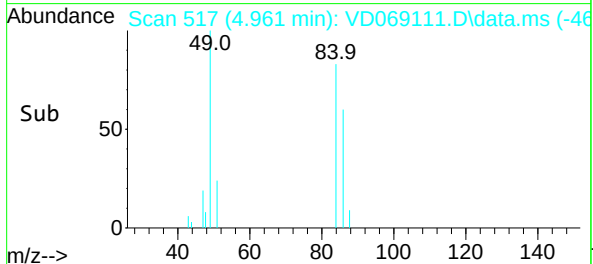


#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. 0.005 min
Lab File: VD069111.D
Acq: 07 May 2021 19:20

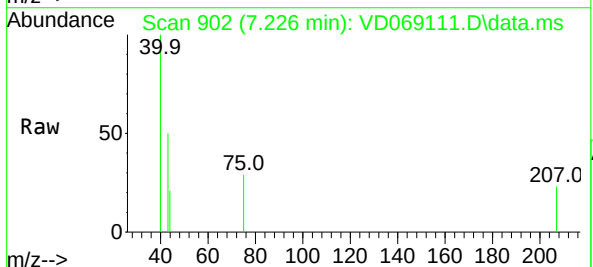
Instrument :
MSVOA_D
ClientSampleId :
BS-SP2



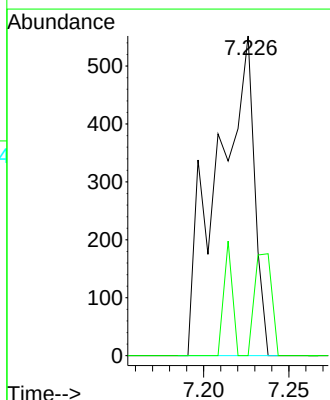
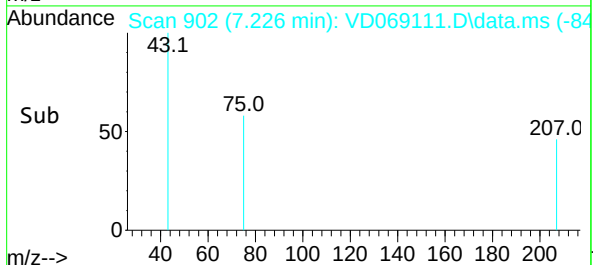
Tgt Ion:	84	Resp:	7700
Ion	Ratio	Lower	Upper
84	100		
49	119.9	93.9	140.9
51	28.5	27.9	41.9
86	71.6	52.1	78.1

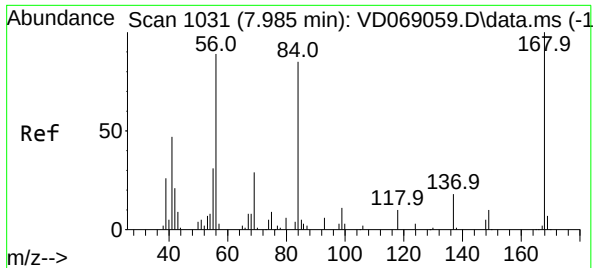


#25
2-Butanone
Concen: 1.60 ug/l
RT: 7.226 min Scan# 902
Delta R.T. 0.012 min
Lab File: VD069111.D
Acq: 07 May 2021 19:20



Tgt Ion:	43	Resp:	831
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.0	34.4#

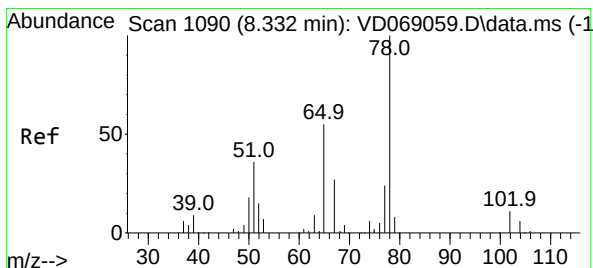
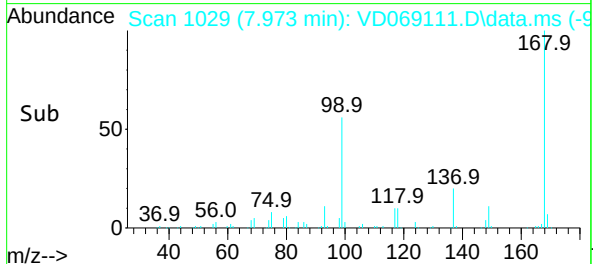
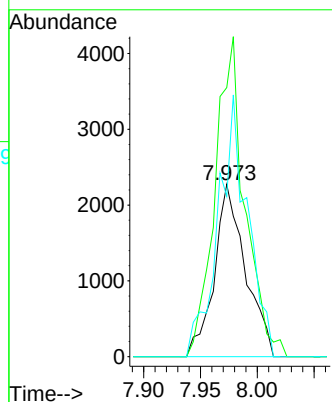
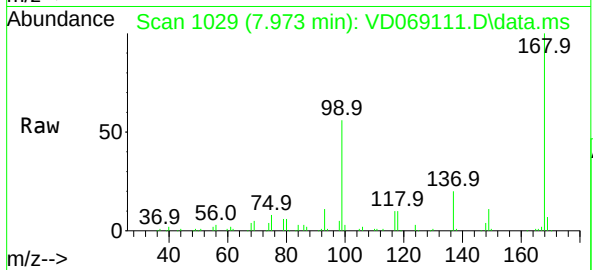




#31
Cyclohexane
Concen: 1.23 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069111.D
Acq: 07 May 2021 19:20

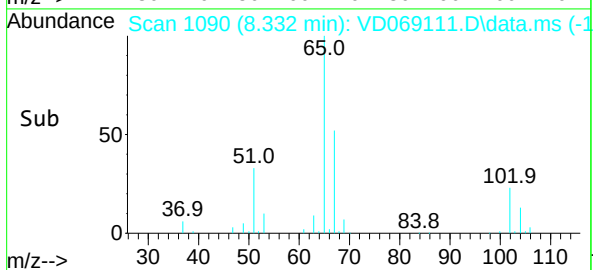
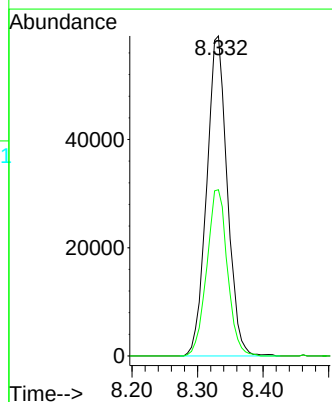
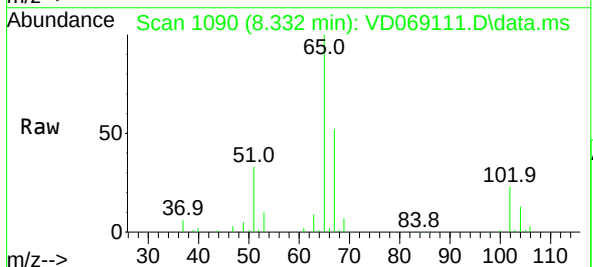
Instrument :
MSVOA_D
ClientSampled :
BS-SP2

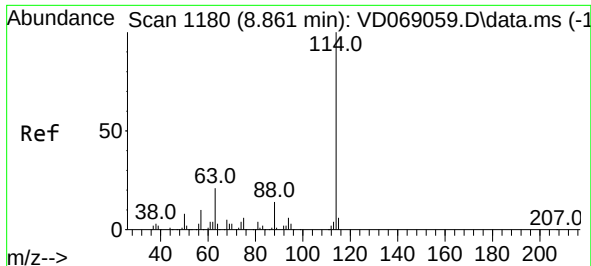
Tgt Ion: 56 Resp: 4328
Ion Ratio Lower Upper
56 100
69 156.3 26.3 39.5#
84 93.1 75.9 113.9



#33
1,2-Dichloroethane-d4
Concen: 53.08 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069111.D
Acq: 07 May 2021 19:20

Tgt Ion: 65 Resp: 129051
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.4

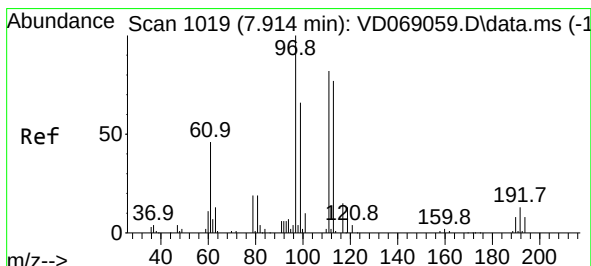
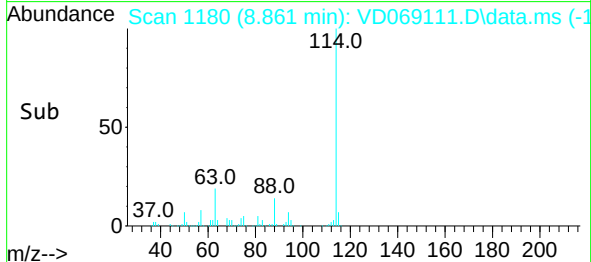
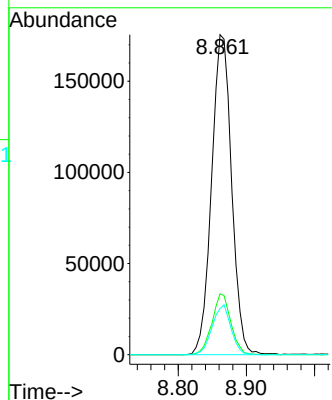
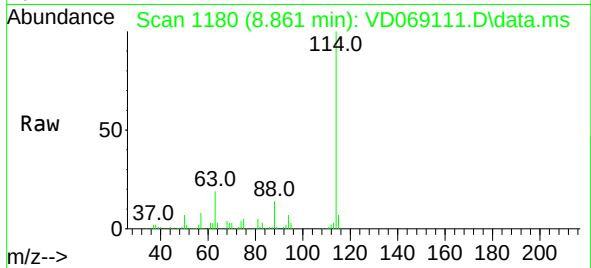




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069111.D
Acq: 07 May 2021 19:20

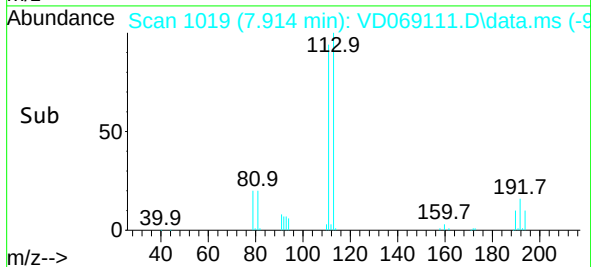
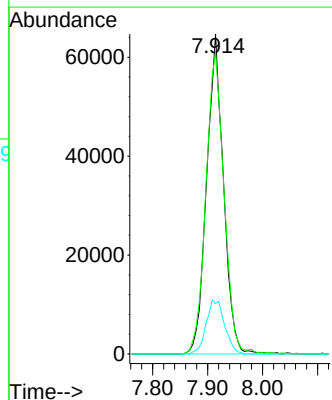
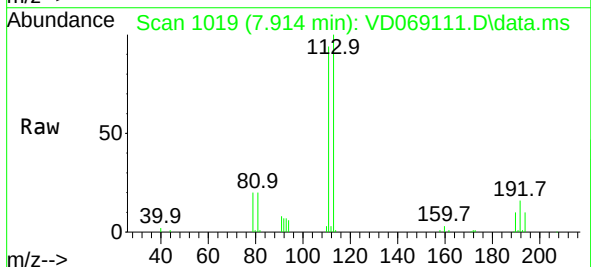
Instrument :
MSVOA_D
ClientSampleId :
BS-SP2

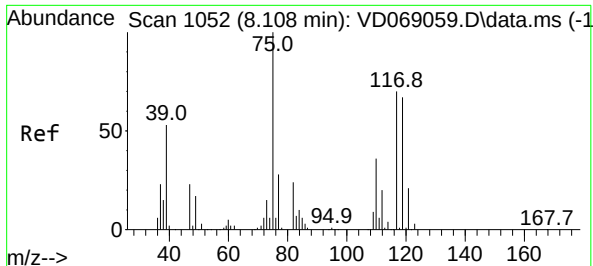
Tgt Ion:114 Resp: 358398
Ion Ratio Lower Upper
114 100
63 19.0 0.0 41.4
88 14.4 0.0 27.8



#35
Dibromofluoromethane
Concen: 56.12 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069111.D
Acq: 07 May 2021 19:20

Tgt Ion:113 Resp: 137925
Ion Ratio Lower Upper
113 100
111 101.3 84.6 126.8
192 18.5 13.5 20.3

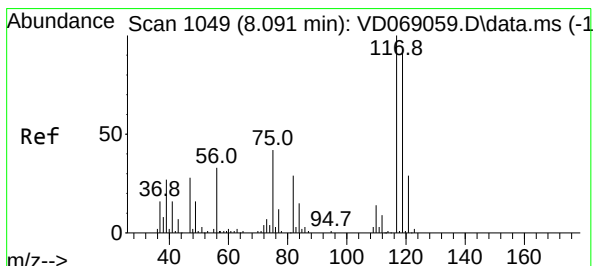
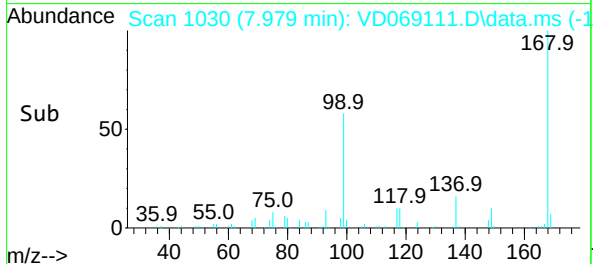
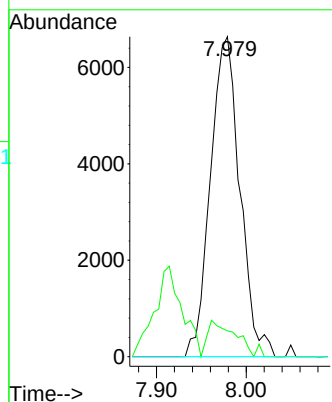
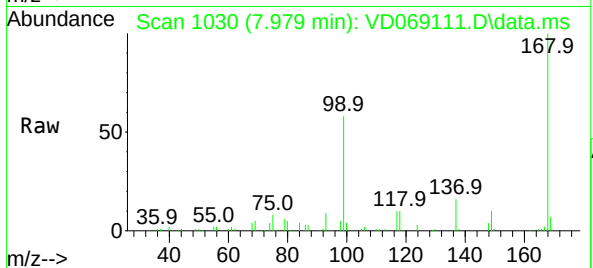




#36
1,1-Dichloropropene
Concen: 4.01 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD069111.D
Acq: 07 May 2021 19:20

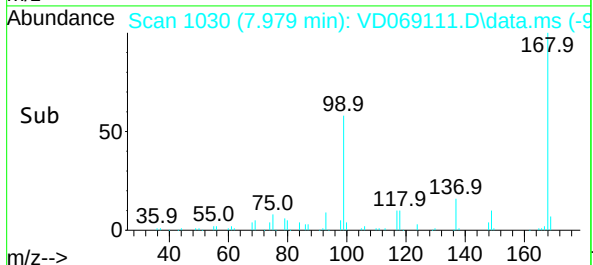
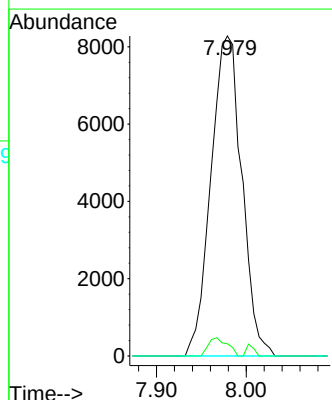
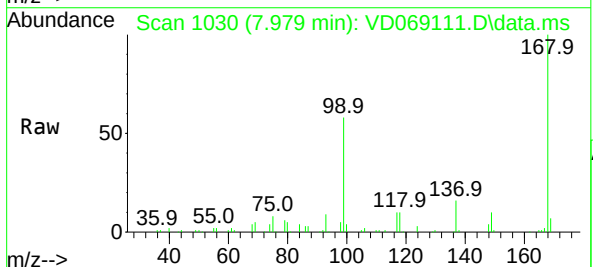
Instrument :
MSVOA_D
ClientSampleId :
BS-SP2

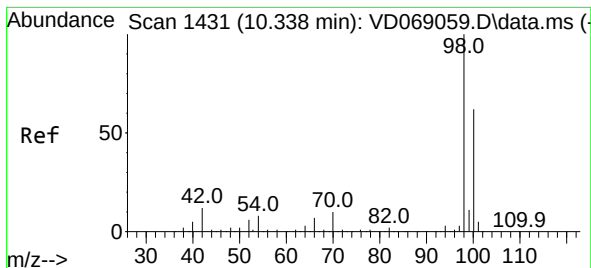
Tgt Ion: 75 Resp: 15128
Ion Ratio Lower Upper
75 100
110 10.4 17.3 51.7#
77 0.0 23.9 35.9#



#38
Carbon Tetrachloride
Concen: 4.84 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD069111.D
Acq: 07 May 2021 19:20

Tgt Ion: 117 Resp: 19795
Ion Ratio Lower Upper
117 100
119 3.8 74.7 112.1#
121 0.0 23.1 34.7#

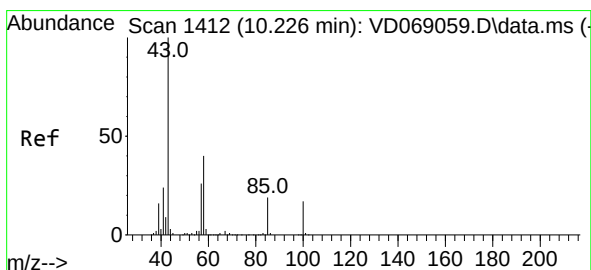
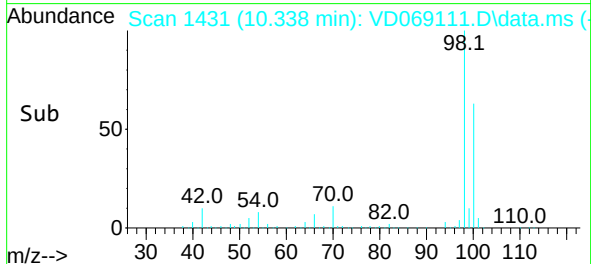
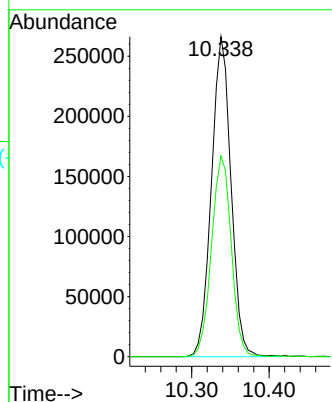
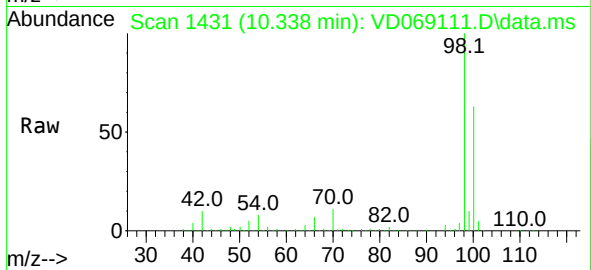




#50
Toluene-d8
Concen: 51.42 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069111.D
Acq: 07 May 2021 19:20

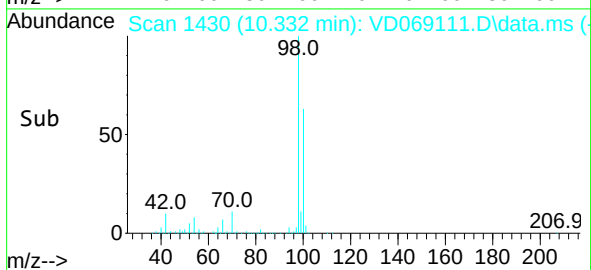
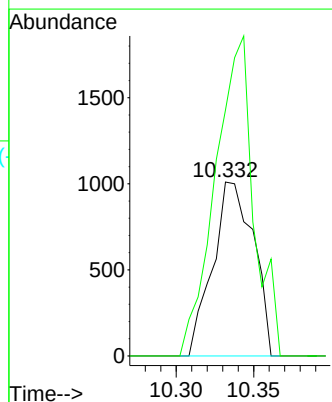
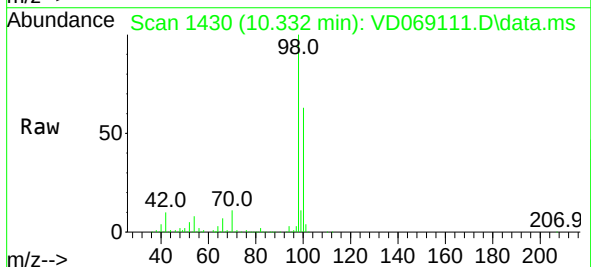
Instrument :
MSVOA_D
ClientSampleId :
BS-SP2

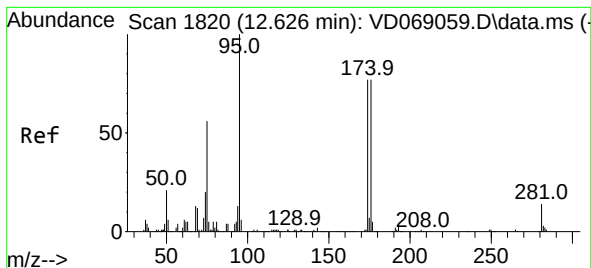
Tgt Ion: 98 Resp: 466530
Ion Ratio Lower Upper
98 100
100 63.4 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.36 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD069111.D
Acq: 07 May 2021 19:20

Tgt Ion: 43 Resp: 1850
Ion Ratio Lower Upper
43 100
58 173.7 32.7 49.1#

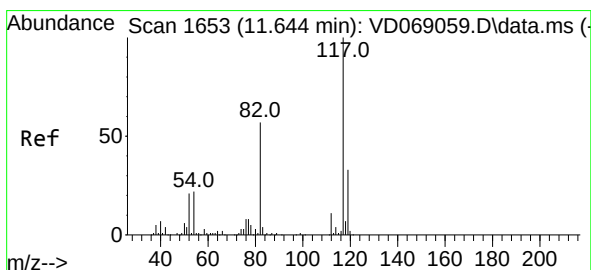
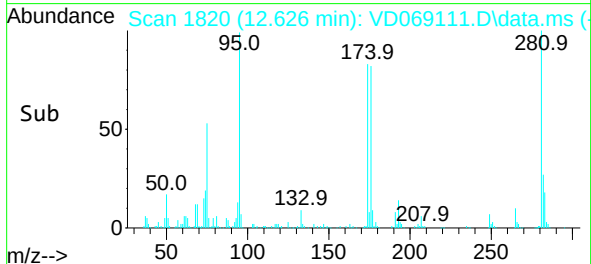
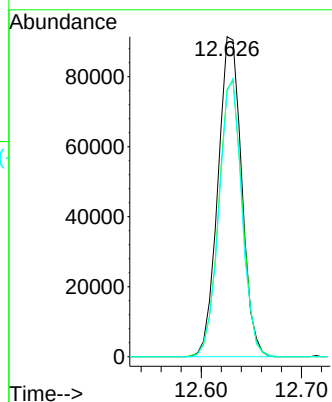
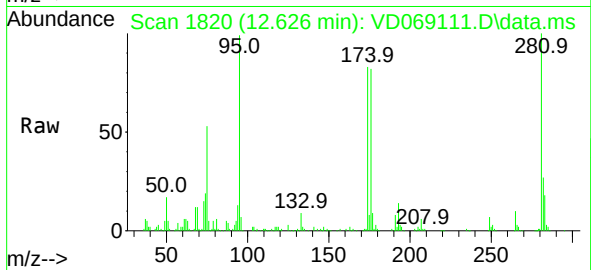




#62
4-Bromofluorobenzene
Concen: 50.36 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069111.D
Acq: 07 May 2021 19:20

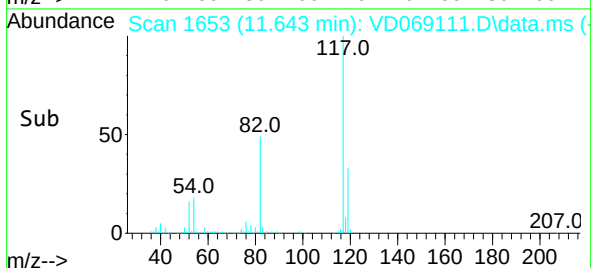
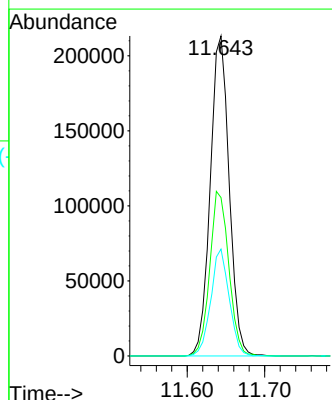
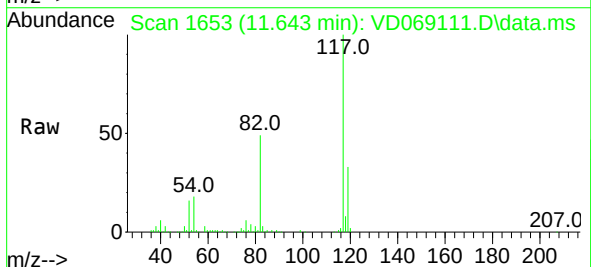
Instrument :
MSVOA_D
ClientSampleId :
BS-SP2

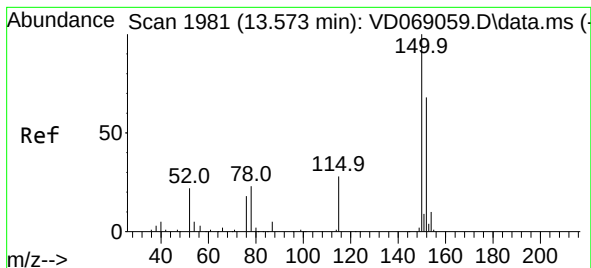
Tgt Ion: 95 Resp: 150289
Ion Ratio Lower Upper
95 100
174 85.5 0.0 156.0
176 83.7 0.0 149.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069111.D
Acq: 07 May 2021 19:20

Tgt Ion: 117 Resp: 362603
Ion Ratio Lower Upper
117 100
82 49.5 45.4 68.2
119 33.4 26.8 40.2

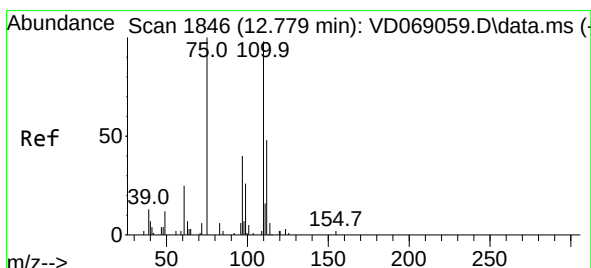
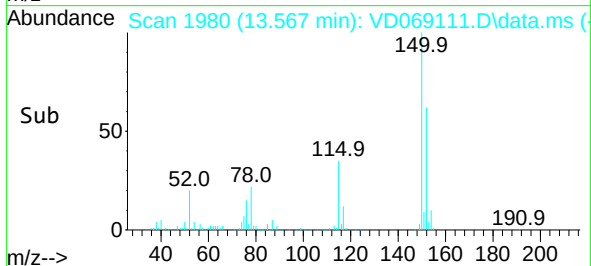
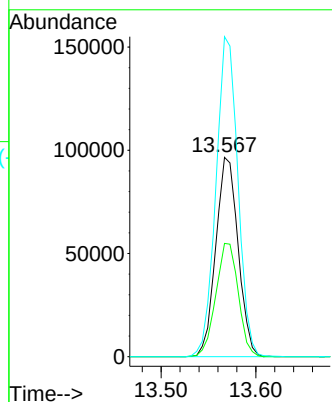
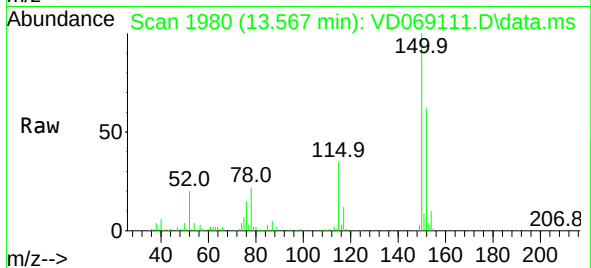




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.006 min
 Lab File: VD069111.D
 Acq: 07 May 2021 19:20

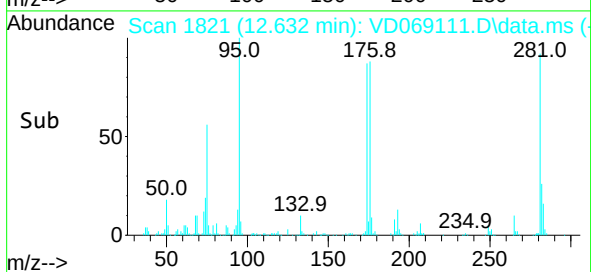
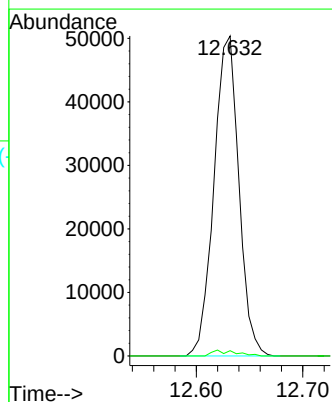
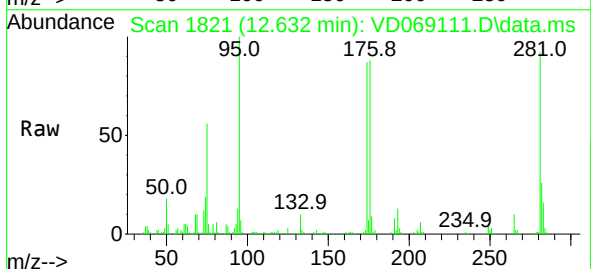
Instrument :
 MSVOA_D
 ClientSampleId :
 BS-SP2

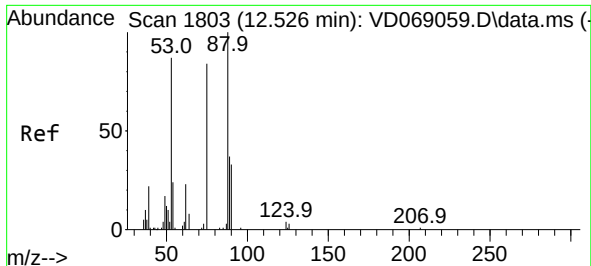
Tgt Ion:152 Resp: 158583
 Ion Ratio Lower Upper
 152 100
 115 57.1 30.5 91.5
 150 157.8 0.0 340.8



#76
 1,2,3-Trichloropropane
 Concen: 59.14 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. -0.147 min
 Lab File: VD069111.D
 Acq: 07 May 2021 19:20

Tgt Ion: 75 Resp: 81639
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#

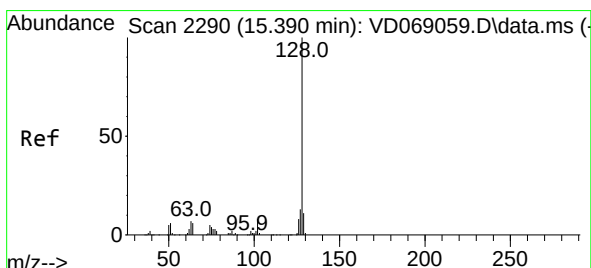
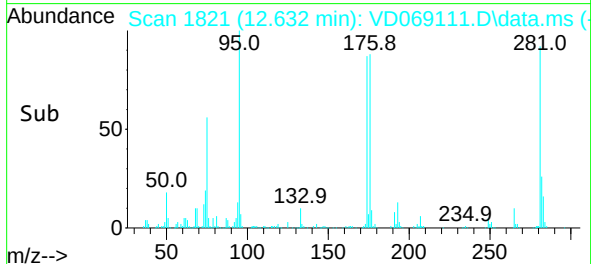
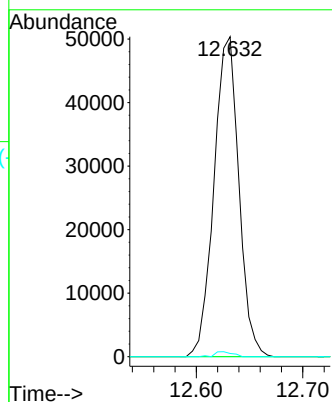
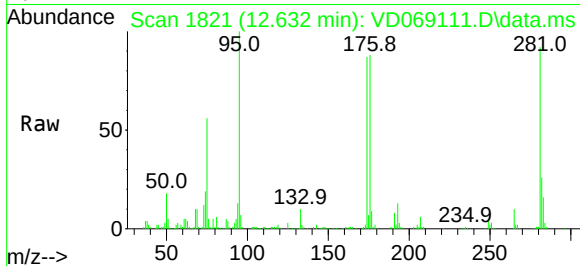




#81
trans-1,4-Dichloro-2-butene
Concen: 128.68 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD069111.D
Acq: 07 May 2021 19:20

Instrument :
MSVOA_D
ClientSampleId :
BS-SP2

Tgt Ion: 75 Resp: 81639
Ion Ratio Lower Upper
75 100
53 0.0 80.4 120.6#
89 1.1 37.8 56.8#



#95
Naphthalene
Concen: 3.01 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.006 min
Lab File: VD069111.D
Acq: 07 May 2021 19:20

Tgt Ion: 128 Resp: 1013
Ion Ratio Lower Upper
128 100
127 5.9 10.7 16.1#
129 0.0 8.5 12.7#

