

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050721\
 Data File : VD069107.D
 Acq On : 07 May 2021 17:22
 Operator : VA/SY
 Sample : M2279-07
 Misc : 6.27G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EME-18

Quant Time: May 08 00:09:21 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)

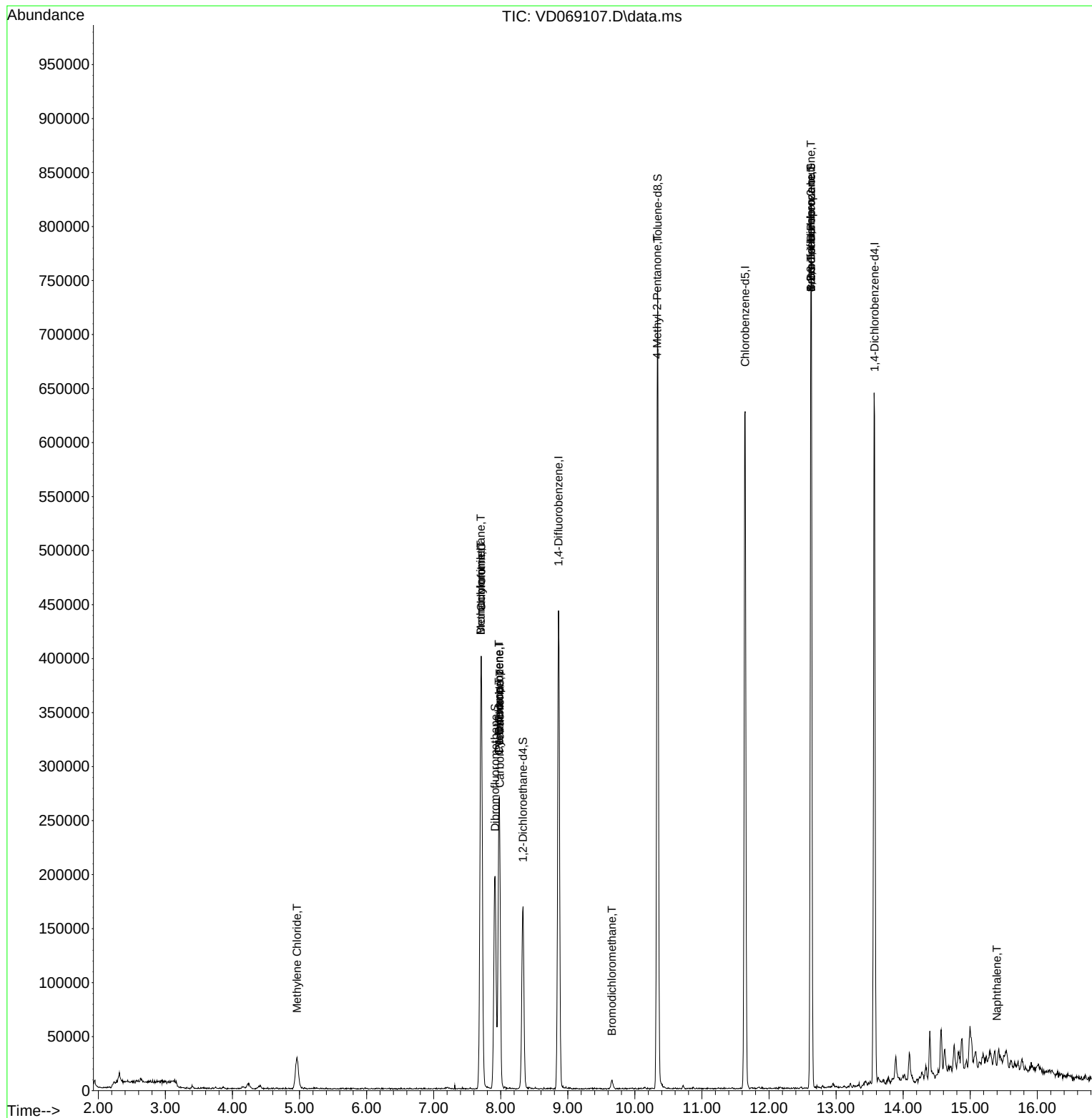
Internal Standards						
1) Pentafluorobenzene	7.979	168	205372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	392788	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	387008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	176190	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	135537	51.21	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.42%			
35) Dibromofluoromethane	7.914	113	144207	53.54	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.08%			
50) Toluene-d8	10.338	98	500250	50.31	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.62%			
62) 4-Bromofluorobenzene	12.626	95	165448	50.58	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.16%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.232	59	641	Below Cal	#	81
16) Acetone	4.150	43	1346	Below Cal	#	72
20) Methylene Chloride	4.962	84	23526	2.65	ug/l	92
28) Bromochloromethane	7.703	49	29626	16.78	ug/l #	11
30) Chloroform	7.708	83	391565	80.07	ug/l	98
31) Cyclohexane	7.973	56	5545	1.44	ug/l #	50
36) 1,1-Dichloropropene	7.973	75	17185	4.16	ug/l #	49
38) Carbon Tetrachloride	7.985	117	20738	4.63	ug/l #	16
41) Methacrylonitrile	7.703	41	1151	1.27	ug/l #	22
47) Bromodichloromethane	9.655	83	5891	1.38	ug/l #	78
51) 4-Methyl-2-Pentanone	10.332	43	2190	1.46	ug/l #	1
71) Bromoform	12.626	173	2357	1.54	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	90162	58.78	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	90162	127.91	ug/l #	10
95) Naphthalene	15.396	128	324	2.88	ug/l #	83

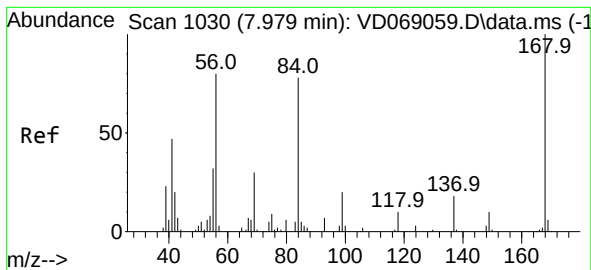
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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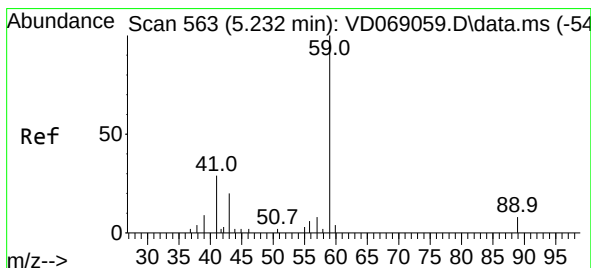
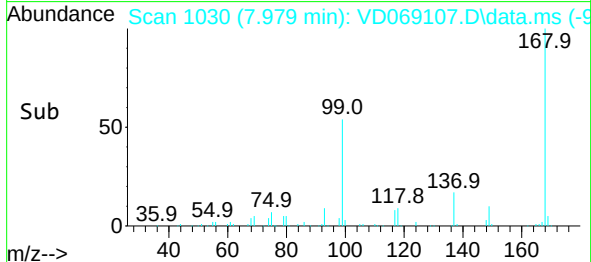
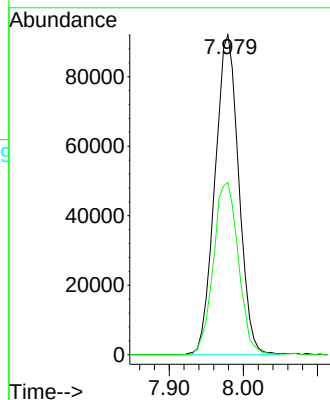
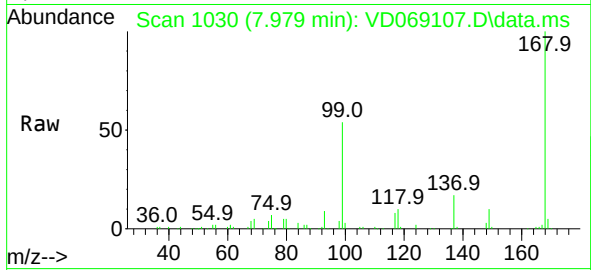




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069107.D
Acq: 07 May 2021 17:22

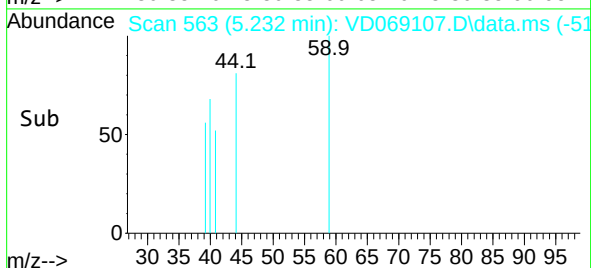
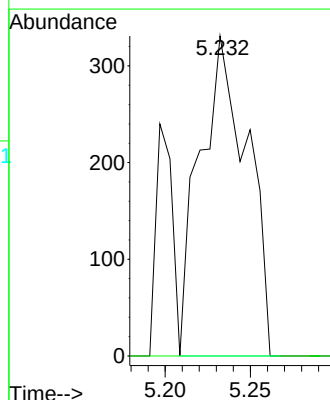
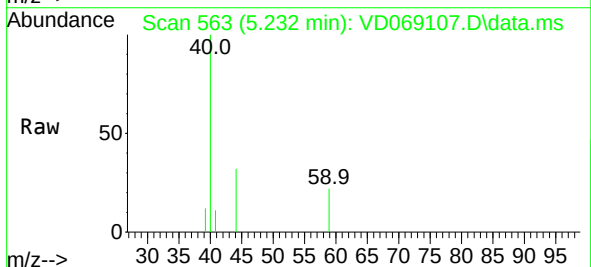
Instrument :
MSVOA_D
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EME-18

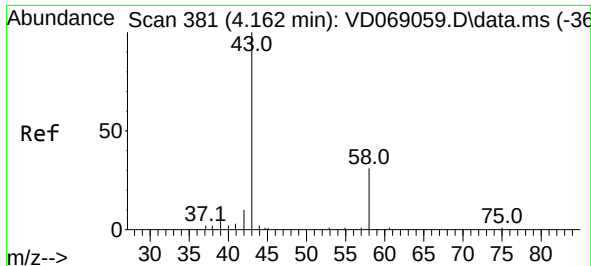
Tgt Ion:168 Resp: 205372
Ion Ratio Lower Upper
168 100
99 53.7 52.6 78.8



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.232 min Scan# 563
Delta R.T. 0.000 min
Lab File: VD069107.D
Acq: 07 May 2021 17:22

Tgt Ion: 59 Resp: 641
Ion Ratio Lower Upper
59 100
57 0.0 5.3 7.9#

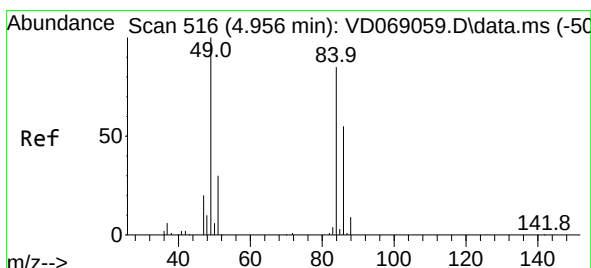
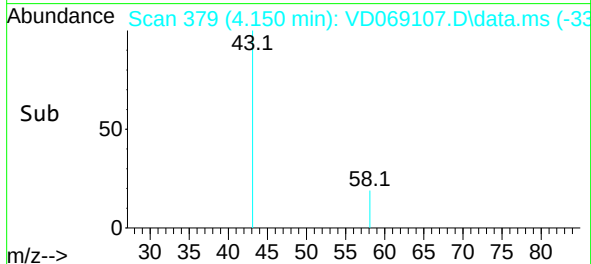
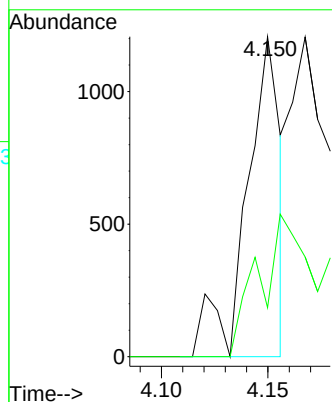
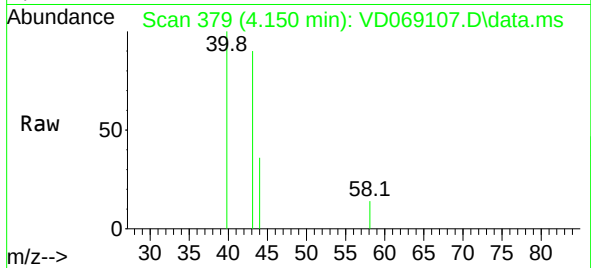




#16
Acetone
Concen: Below Cal
RT: 4.150 min Scan# 379
Delta R.T. -0.012 min
Lab File: VD069107.D
Acq: 07 May 2021 17:22

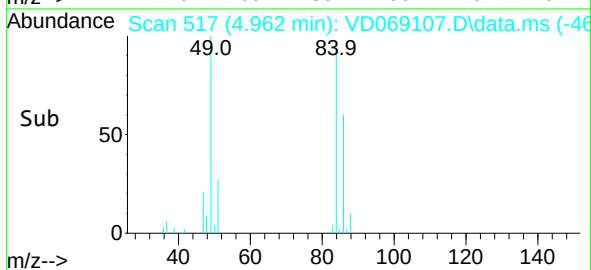
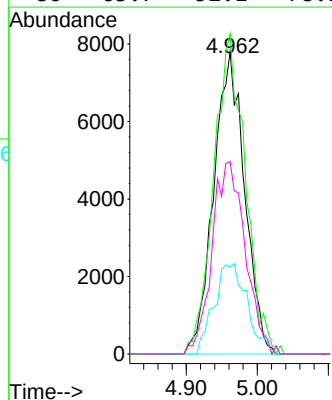
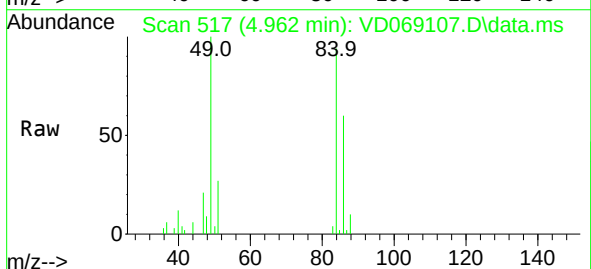
Instrument :
MSVOA_D
ClientSampleId :
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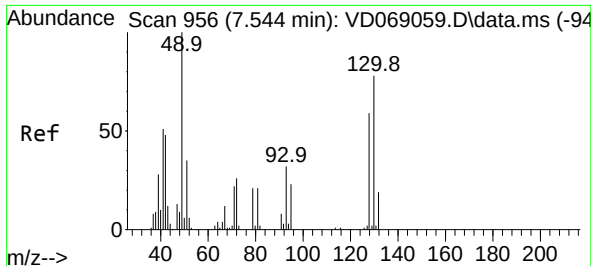
Tgt Ion: 43 Resp: 1346
Ion Ratio Lower Upper
43 100
58 15.3 24.5 36.7#



#20
Methylene Chloride
Concen: 2.65 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.006 min
Lab File: VD069107.D
Acq: 07 May 2021 17:22

Tgt Ion: 84 Resp: 23526
Ion Ratio Lower Upper
84 100
49 106.0 93.9 140.9
51 28.7 27.9 41.9
86 63.7 52.1 78.1

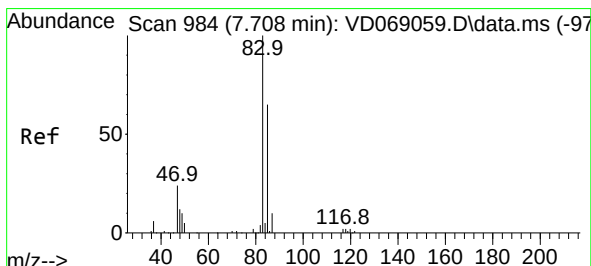
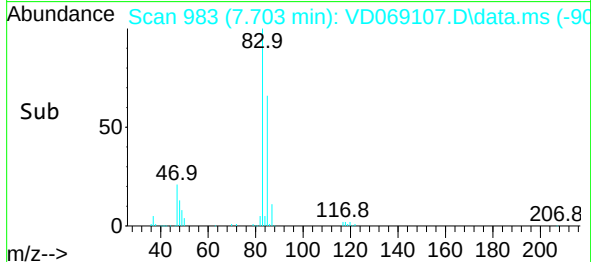
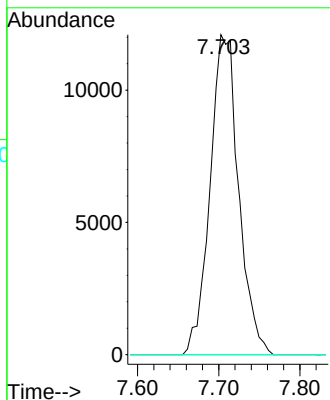
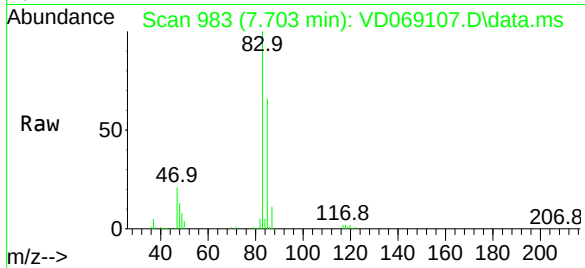




#28
Bromochloromethane
Concen: 16.78 ug/l
RT: 7.703 min Scan# 983
Delta R.T. 0.159 min
Lab File: VD069107.D
Acq: 07 May 2021 17:22

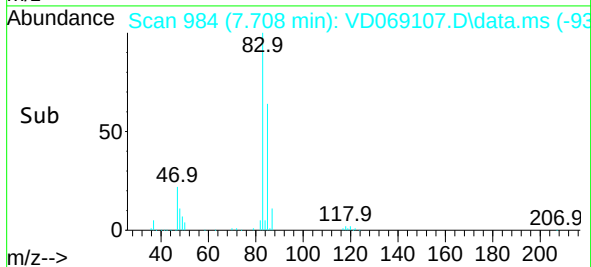
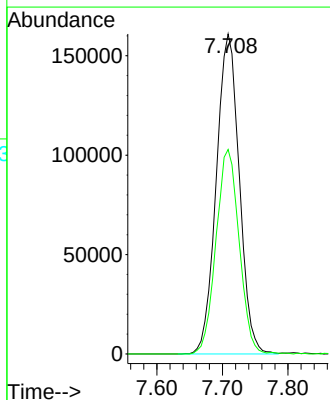
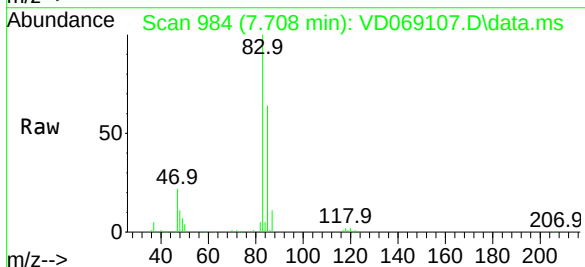
Instrument :
MSVOA_D
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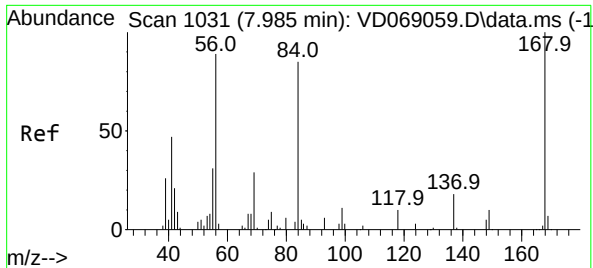
Tgt Ion: 49 Resp: 29626
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.2
130 0.0 64.9 97.3#



#30
Chloroform
Concen: 80.07 ug/l
RT: 7.708 min Scan# 984
Delta R.T. -0.000 min
Lab File: VD069107.D
Acq: 07 May 2021 17:22

Tgt Ion: 83 Resp: 391565
Ion Ratio Lower Upper
83 100
85 63.9 52.4 78.6

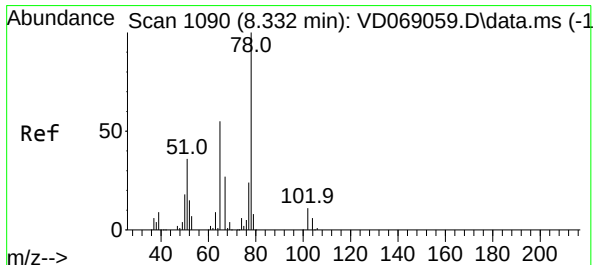
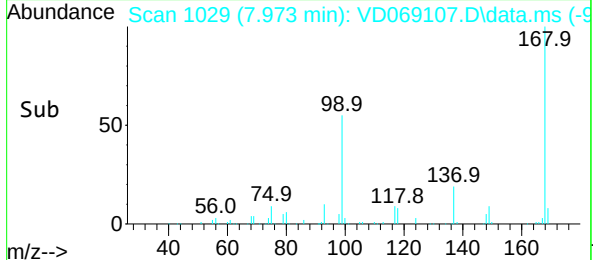
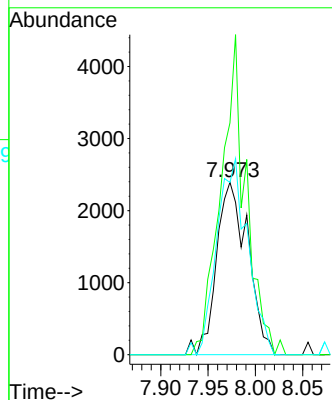
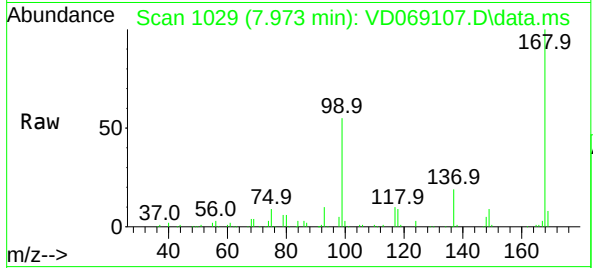




#31
Cyclohexane
Concen: 1.44 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069107.D
Acq: 07 May 2021 17:22

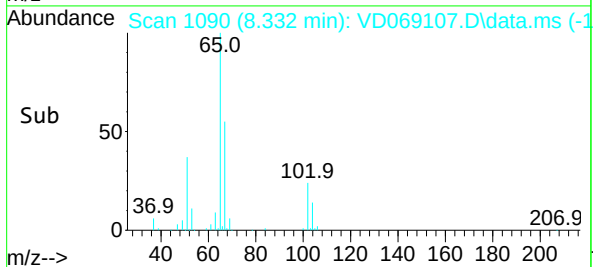
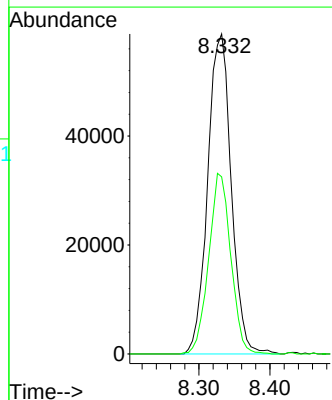
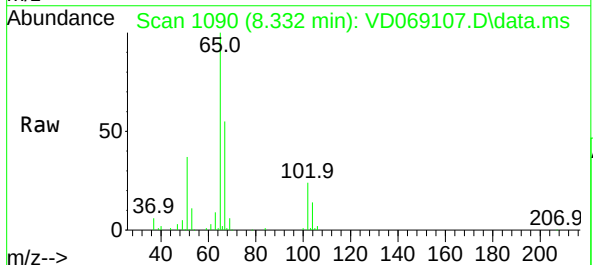
Instrument :
MSVOA_D
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EME-18

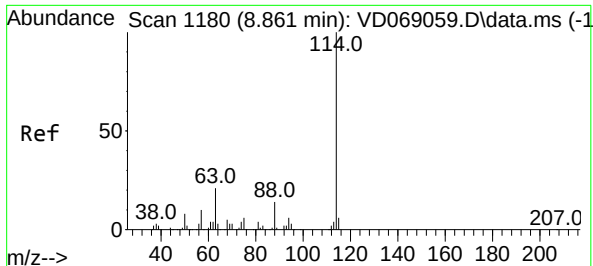
Tgt Ion: 56 Resp: 5545
Ion Ratio Lower Upper
56 100
69 134.4 26.3 39.5#
84 99.8 75.9 113.9



#33
1,2-Dichloroethane-d4
Concen: 51.21 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069107.D
Acq: 07 May 2021 17:22

Tgt Ion: 65 Resp: 135537
Ion Ratio Lower Upper
65 100
67 52.9 0.0 103.4

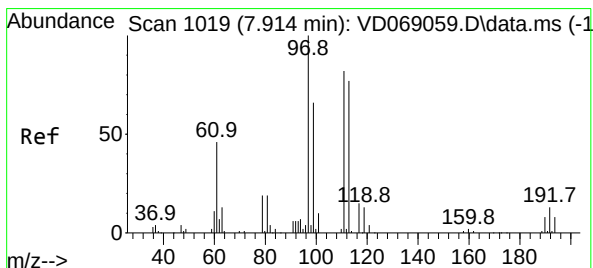
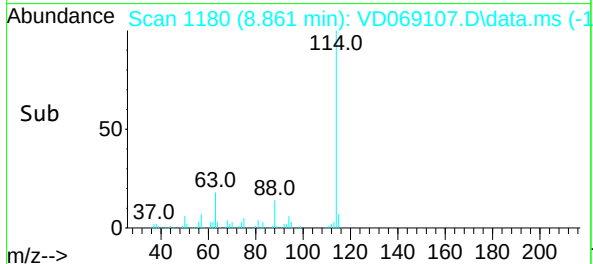
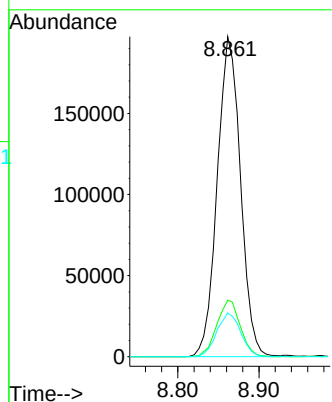
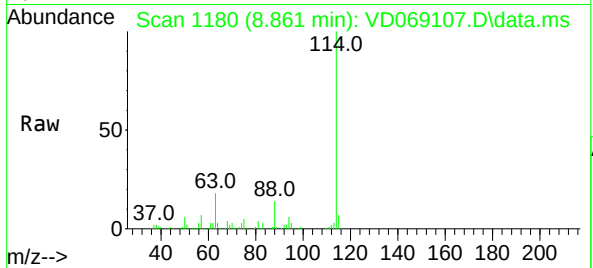




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069107.D
Acq: 07 May 2021 17:22

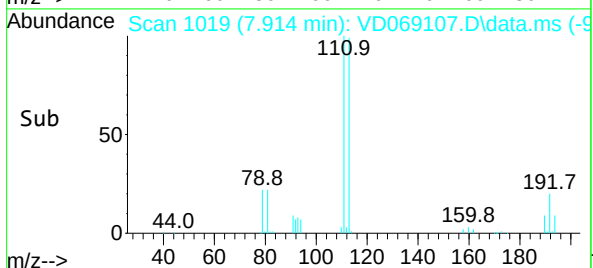
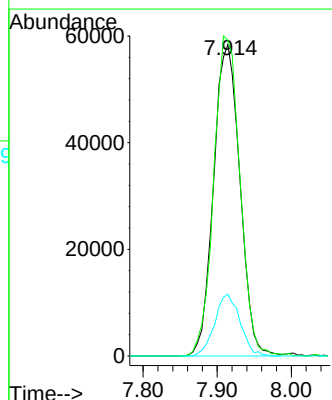
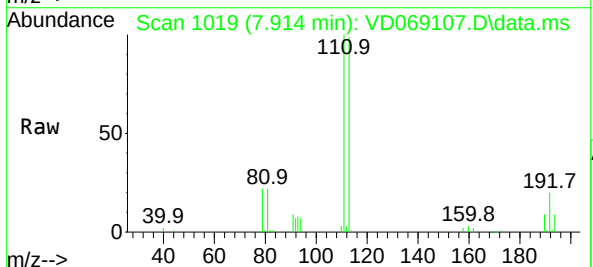
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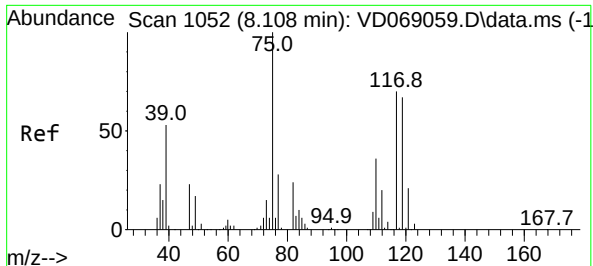
Tgt Ion:114 Resp: 392788
Ion Ratio Lower Upper
114 100
63 17.7 0.0 41.4
88 13.7 0.0 27.8



#35
Dibromofluoromethane
Concen: 53.54 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069107.D
Acq: 07 May 2021 17:22

Tgt Ion:113 Resp: 144207
Ion Ratio Lower Upper
113 100
111 102.4 84.6 126.8
192 19.0 13.5 20.3

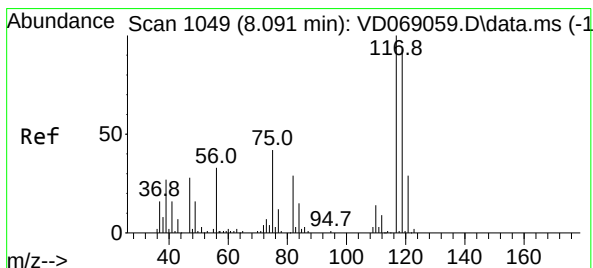
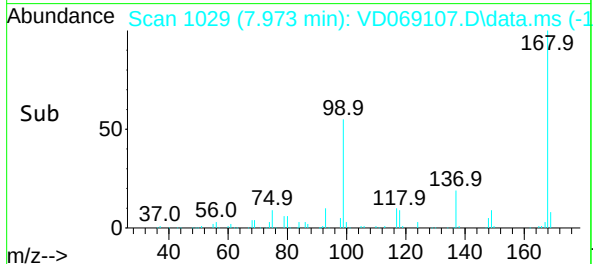
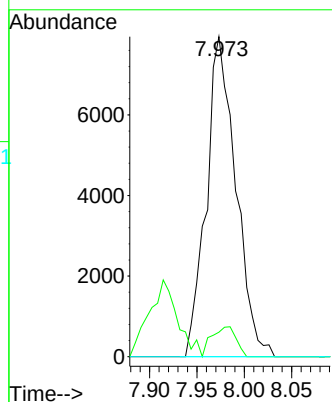
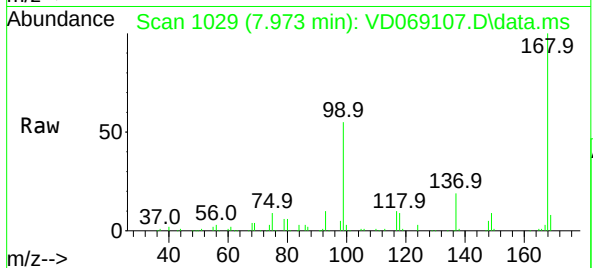




#36
1,1-Dichloropropene
Concen: 4.16 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD069107.D
Acq: 07 May 2021 17:22

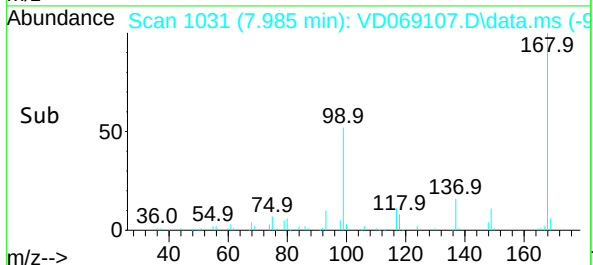
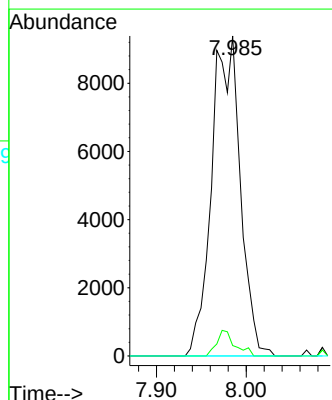
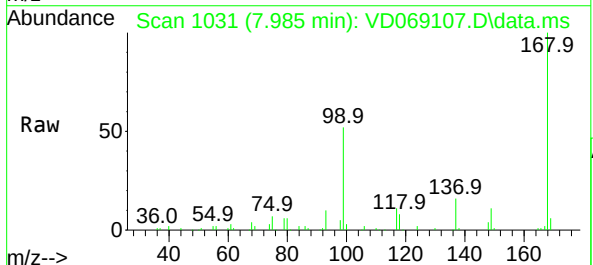
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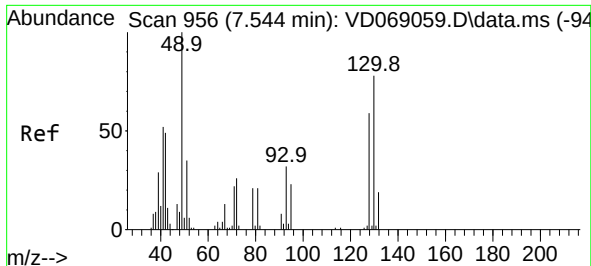
Tgt Ion: 75 Resp: 17185
Ion Ratio Lower Upper
75 100
110 7.7 17.3 51.7#
77 0.0 23.9 35.9#



#38
Carbon Tetrachloride
Concen: 4.63 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.106 min
Lab File: VD069107.D
Acq: 07 May 2021 17:22

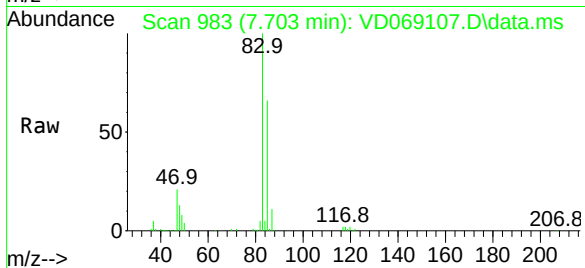
Tgt Ion: 117 Resp: 20738
Ion Ratio Lower Upper
117 100
119 3.2 74.7 112.1#
121 0.0 23.1 34.7#



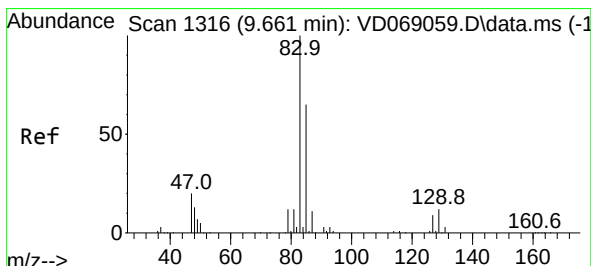
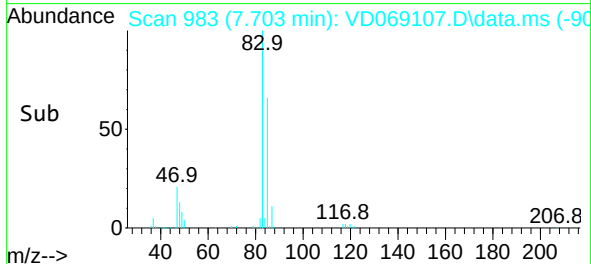
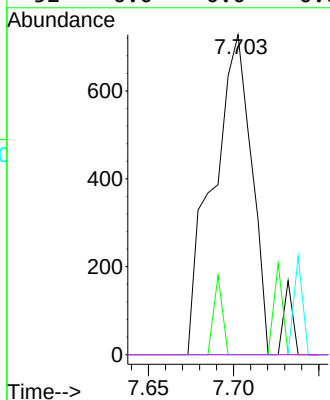


#41
Methacrylonitrile
Concen: 1.27 ug/l
RT: 7.703 min Scan# 983
Delta R.T. 0.159 min
Lab File: VD069107.D
Acq: 07 May 2021 17:22

Instrument :
MSVOA_D
ClientSampleId :
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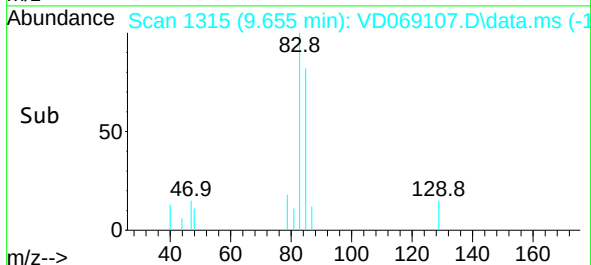
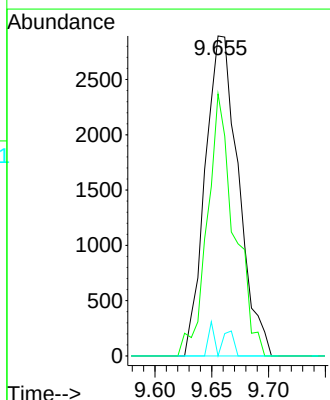
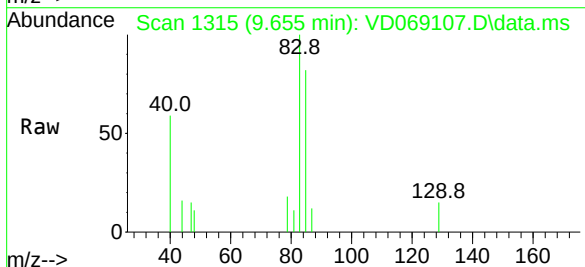


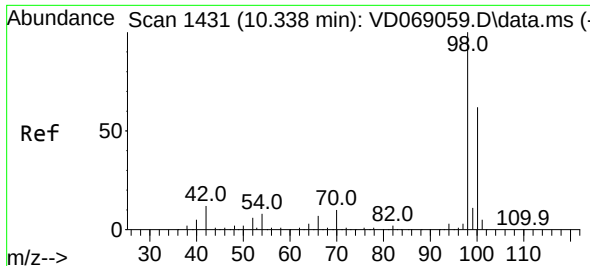
Tgt Ion:	41	Resp:	1151
Ion	Ratio	Lower	Upper
41	100		
39	5.6	55.4	83.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#47
Bromodichloromethane
Concen: 1.38 ug/l
RT: 9.655 min Scan# 1315
Delta R.T. -0.006 min
Lab File: VD069107.D
Acq: 07 May 2021 17:22

Tgt Ion:	83	Resp:	5891
Ion	Ratio	Lower	Upper
83	100		
85	81.9	52.1	78.1#
127	0.0	7.0	10.4#

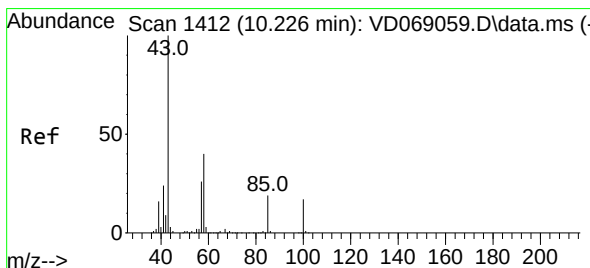
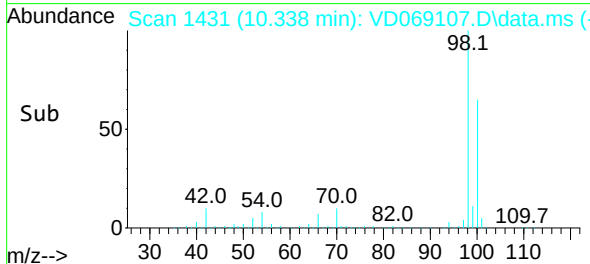
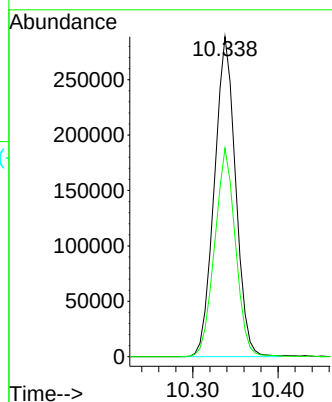
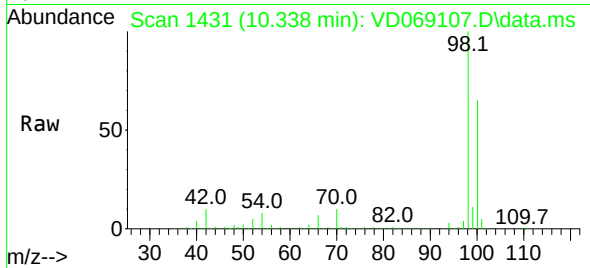




#50
Toluene-d8
Concen: 50.31 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069107.D
Acq: 07 May 2021 17:22

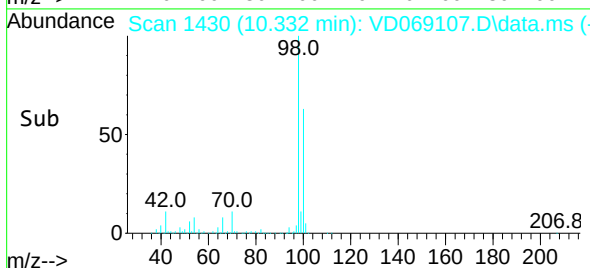
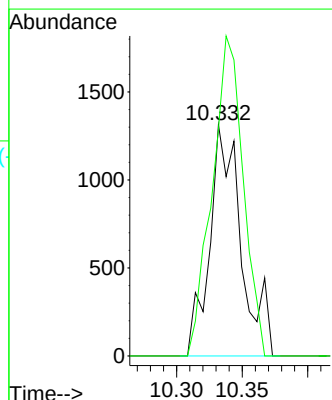
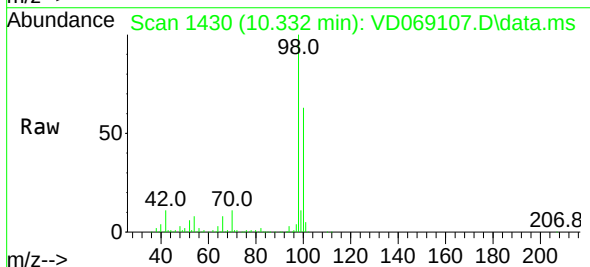
Instrument :
MSVOA_D
ClientSampleId :
EME-18

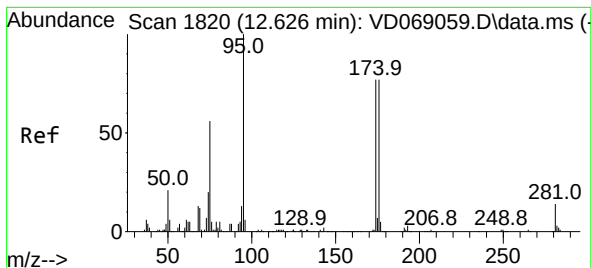
Tgt Ion: 98 Resp: 500250
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.46 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD069107.D
Acq: 07 May 2021 17:22

Tgt Ion: 43 Resp: 2190
Ion Ratio Lower Upper
43 100
58 136.5 32.7 49.1#

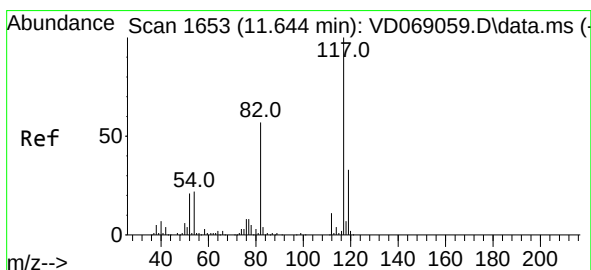
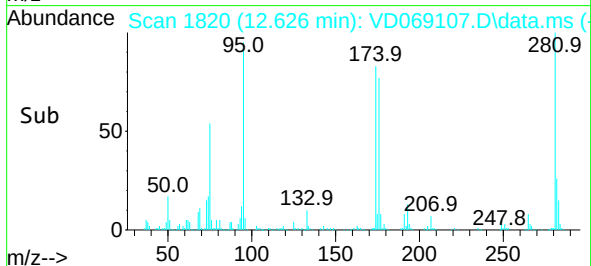
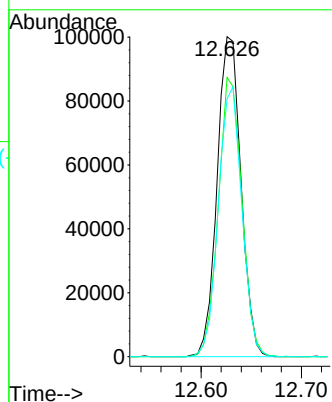
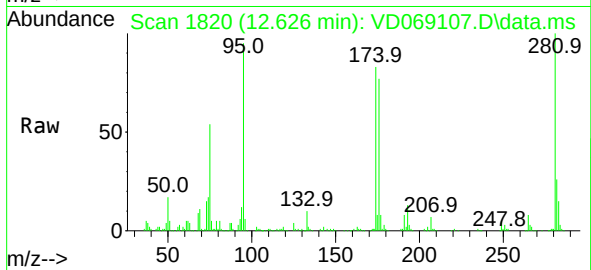




#62
4-Bromofluorobenzene
Concen: 50.58 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069107.D
Acq: 07 May 2021 17:22

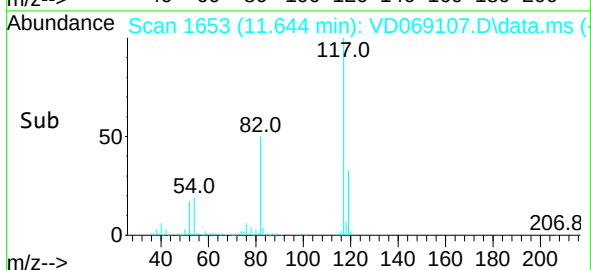
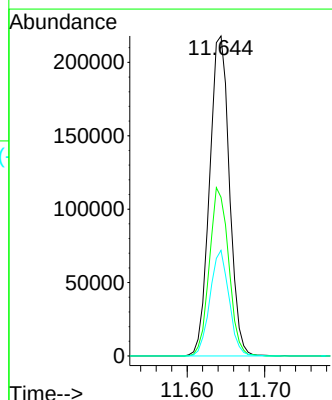
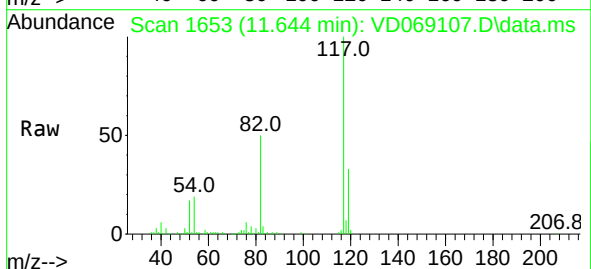
Instrument :
MSVOA_D
ClientSampleId :
EME-18

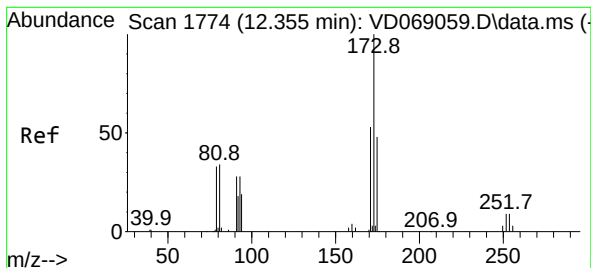
Tgt Ion: 95 Resp: 165448
Ion Ratio Lower Upper
95 100
174 86.3 0.0 156.0
176 83.2 0.0 149.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069107.D
Acq: 07 May 2021 17:22

Tgt Ion: 117 Resp: 387008
Ion Ratio Lower Upper
117 100
82 49.6 45.4 68.2
119 33.0 26.8 40.2





#71

Bromoform

Concen: 1.54 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. 0.271 min

Lab File: VD069107.D

Acq: 07 May 2021 17:22

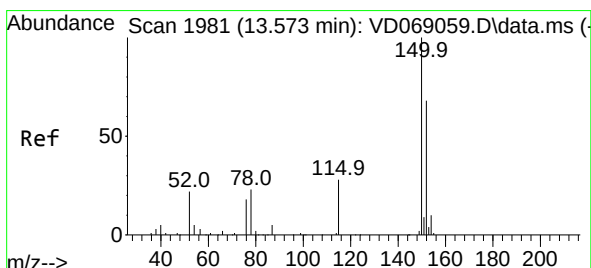
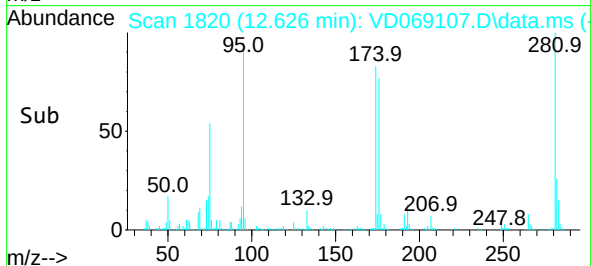
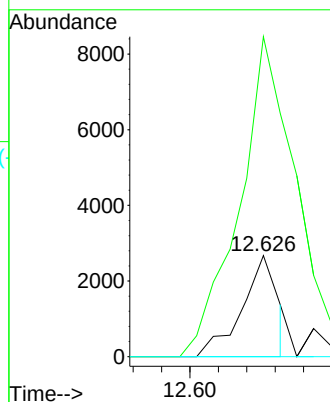
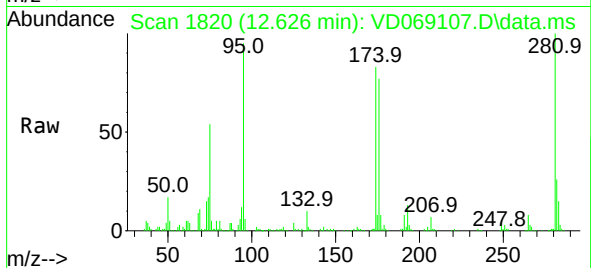
Tgt Ion:173 Resp: 2357

Ion Ratio Lower Upper

173 100

175 373.9 23.8 71.4#

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. -0.000 min

Lab File: VD069107.D

Acq: 07 May 2021 17:22

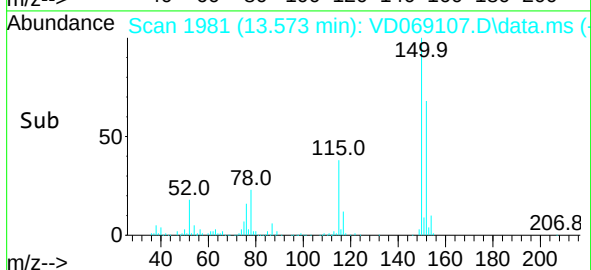
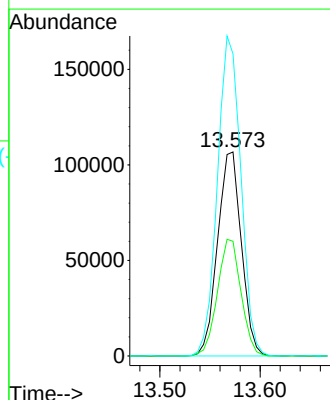
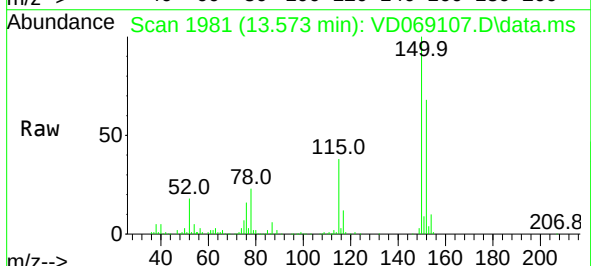
Tgt Ion:152 Resp: 176190

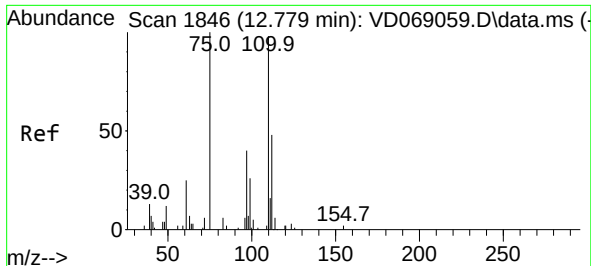
Ion Ratio Lower Upper

152 100

115 56.6 30.5 91.5

150 154.7 0.0 340.8

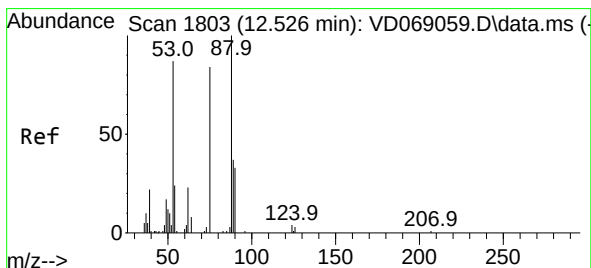
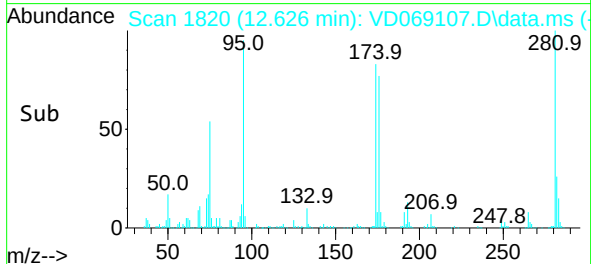
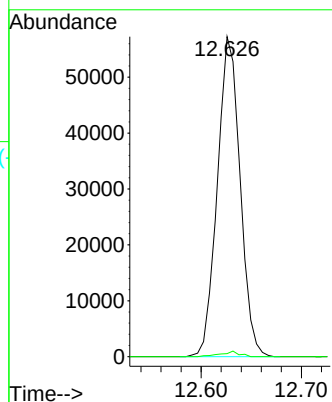
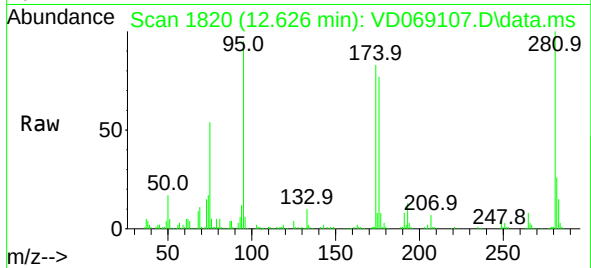




#76
1,2,3-Trichloropropane
Concen: 58.78 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069107.D
Acq: 07 May 2021 17:22

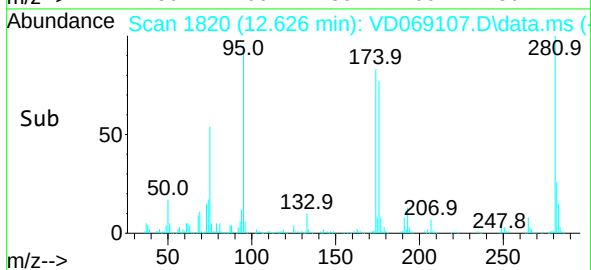
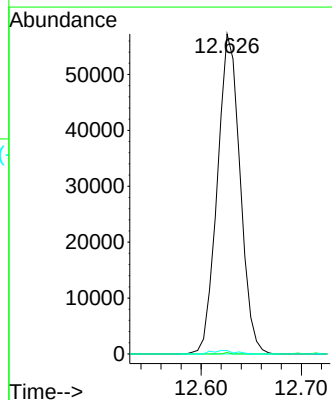
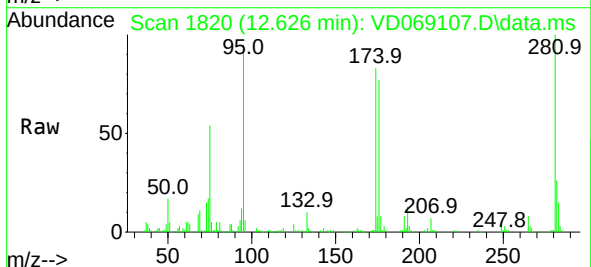
Instrument :
MSVOA_D
ClientSampleId :
EME-18

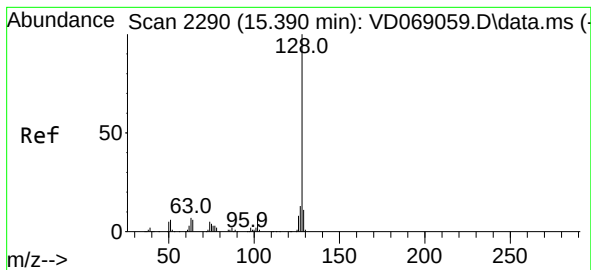
Tgt Ion: 75 Resp: 90162
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.91 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069107.D
Acq: 07 May 2021 17:22

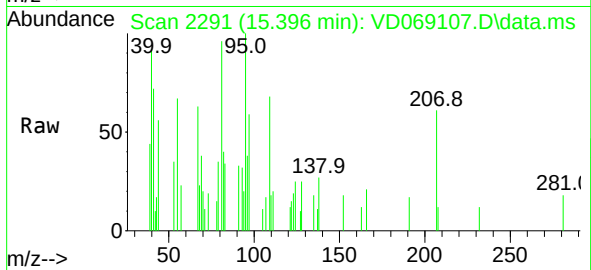
Tgt Ion: 75 Resp: 90162
Ion Ratio Lower Upper
75 100
53 0.1 80.4 120.6#
89 1.1 37.8 56.8#





#95
Naphthalene
Concen: 2.88 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.006 min
Lab File: VD069107.D
Acq: 07 May 2021 17:22

Instrument :
MSVOA_D
ClientSampleId :
EME-18



Tgt Ion:	128	Resp:	324
Ion	Ratio	Lower	Upper
128	100		
127	16.7	10.7	16.1#
129	0.0	8.5	12.7#

