

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050721\
 Data File : VD069104.D
 Acq On : 07 May 2021 15:53
 Operator : VA/SY
 Sample : M2279-08RE
 Misc : 6.35G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EME-19

Quant Time: May 08 00:08:39 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)

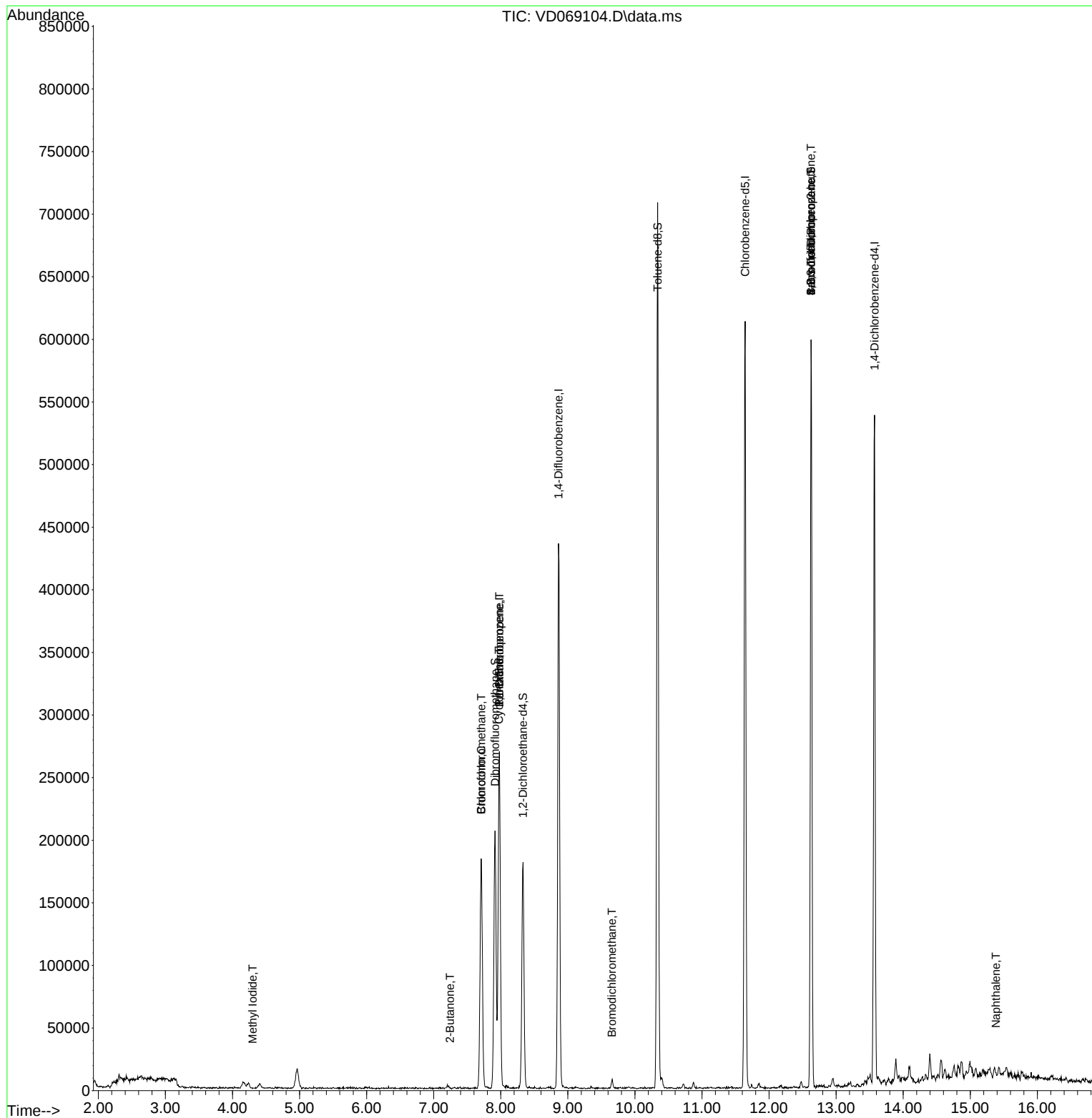
Internal Standards						
1) Pentafluorobenzene	7.979	168	197993	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	385142	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	365415	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	140998	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	139973	54.85	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.70%			
35) Dibromofluoromethane	7.914	113	146076	55.31	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.62%			
50) Toluene-d8	10.338	98	478378	49.06	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.12%			
62) 4-Bromofluorobenzene	12.626	95	142310	44.37	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 88.74%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	91	3.21	ug/l #	35
11) Tert butyl alcohol	5.220	59	130	Below Cal	#	81
20) Methylene Chloride	4.950	84	13022	Below Cal	#	80
25) 2-Butanone	7.244	43	819	1.50	ug/l #	46
28) Bromochloromethane	7.708	49	13496	7.93	ug/l #	11
30) Chloroform	7.708	83	175824	37.29	ug/l	97
31) Cyclohexane	7.973	56	5023	1.36	ug/l #	42
36) 1,1-Dichloropropene	7.979	75	16947	4.18	ug/l #	49
47) Bromodichloromethane	9.655	83	4807	1.15	ug/l	86
71) Bromoform	12.626	173	1519	1.05	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	75304	61.35	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	75304	133.49	ug/l #	10
95) Naphthalene	15.384	128	680	2.96	ug/l #	74

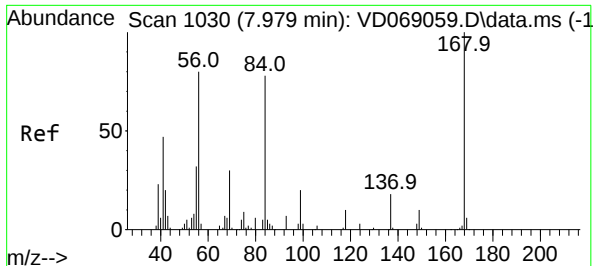
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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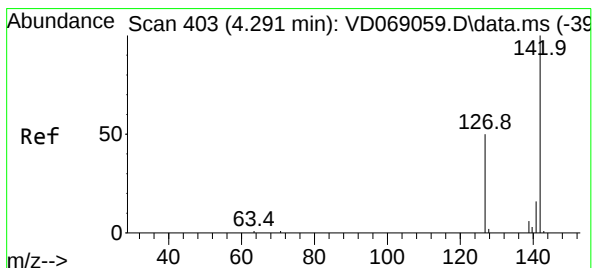
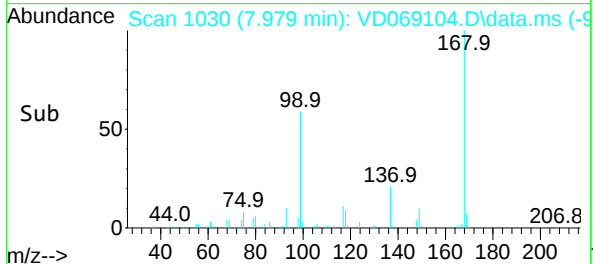
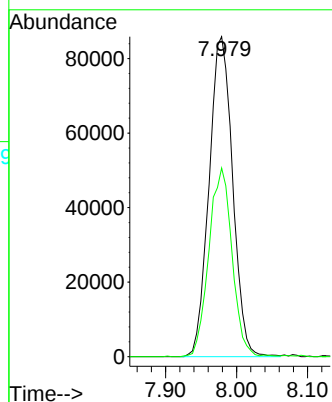
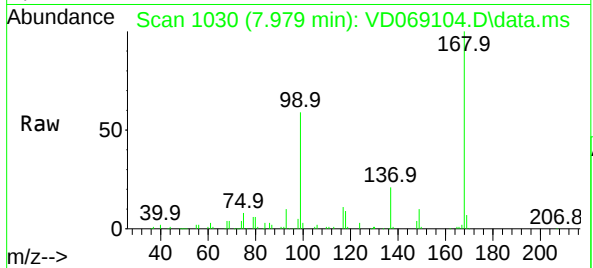




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069104.D
Acq: 07 May 2021 15:53

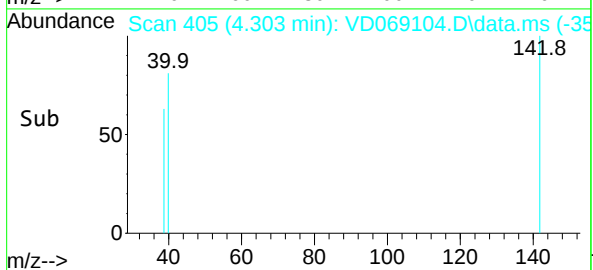
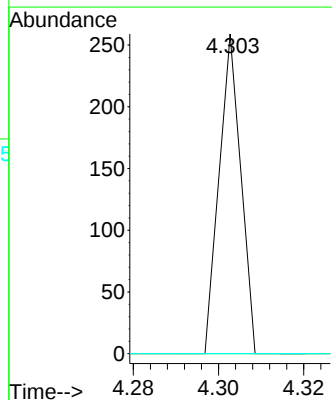
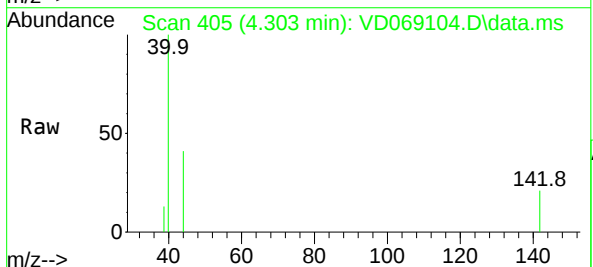
Instrument :
MSVOA_D
ClientSampleId :
EME-19

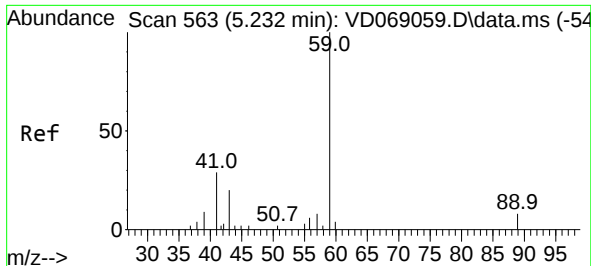
Tgt Ion:168 Resp: 197993
Ion Ratio Lower Upper
168 100
99 59.0 52.6 78.8



#10
Methyl Iodide
Concen: 3.21 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.012 min
Lab File: VD069104.D
Acq: 07 May 2021 15:53

Tgt Ion:142 Resp: 91
Ion Ratio Lower Upper
142 100
127 0.0 41.6 62.4#
141 0.0 12.2 18.4#



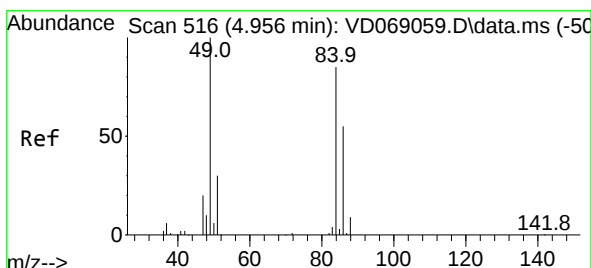
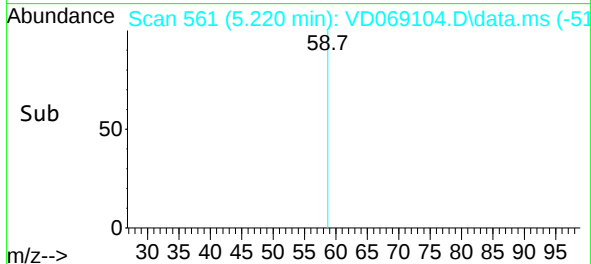
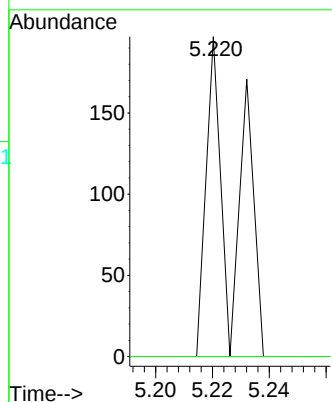
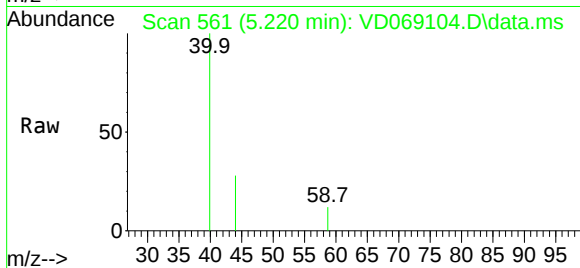


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. -0.012 min
Lab File: VD069104.D
Acq: 07 May 2021 15:53

Instrument :
MSVOA_D
ClientSampled :
EME-19

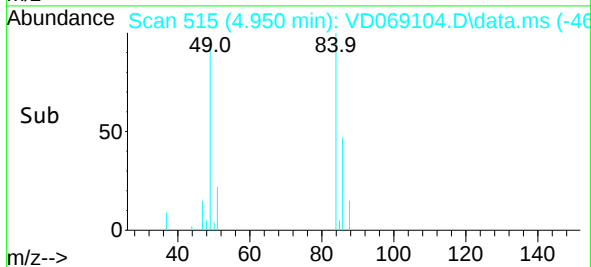
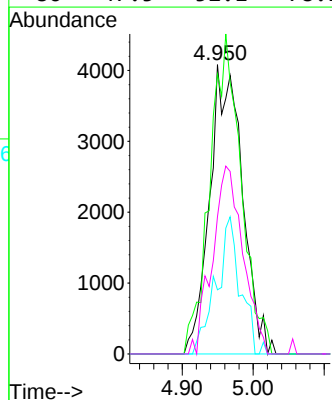
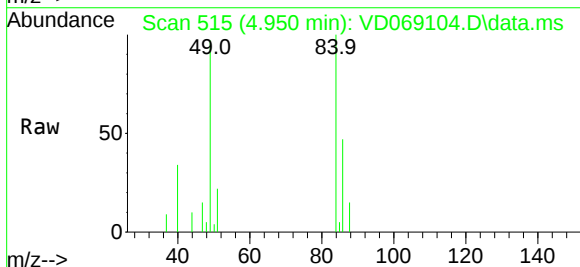
Tgt Ion: 59 Resp: 130
Ion Ratio Lower Upper
59 100
57 0.0 5.3 7.9#

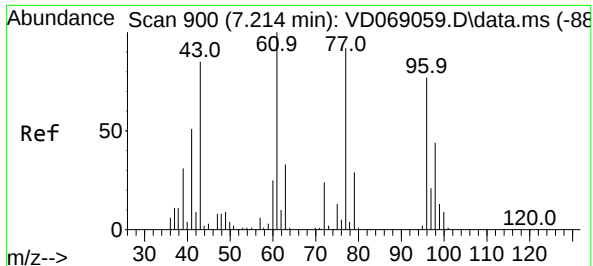


#20

Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 515
Delta R.T. -0.006 min
Lab File: VD069104.D
Acq: 07 May 2021 15:53

Tgt Ion: 84 Resp: 13022
Ion Ratio Lower Upper
84 100
49 96.7 93.9 140.9
51 22.2 27.9 41.9#
86 47.5 52.1 78.1#

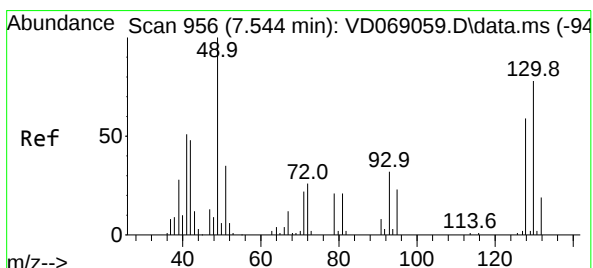
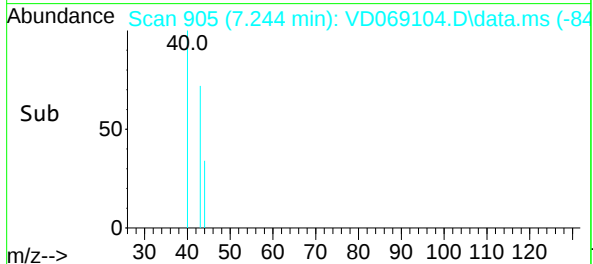
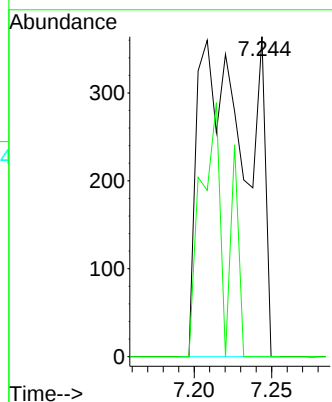
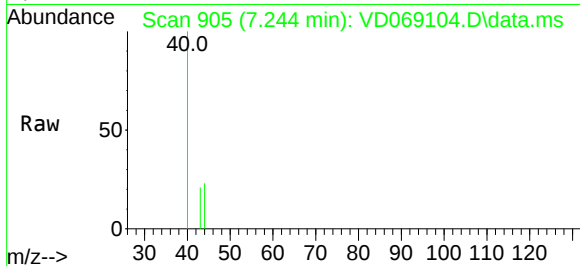




#25
2-Butanone
Concen: 1.50 ug/l
RT: 7.244 min Scan# 905
Delta R.T. 0.029 min
Lab File: VD069104.D
Acq: 07 May 2021 15:53

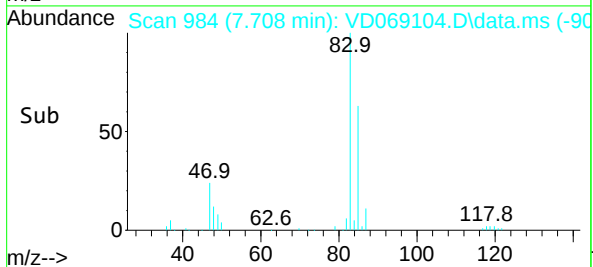
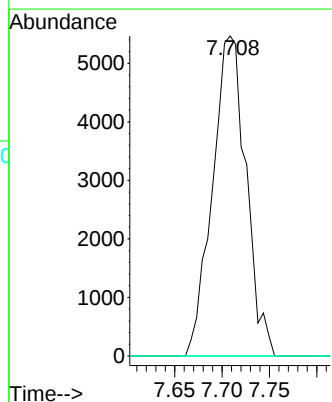
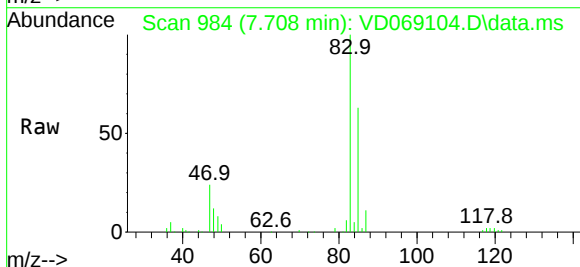
Instrument :
MSVOA_D
ClientSampleId :
EME-19

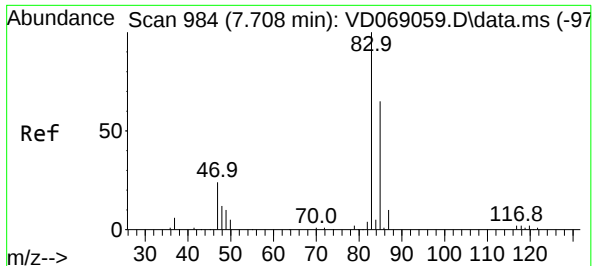
Tgt Ion: 43 Resp: 819
Ion Ratio Lower Upper
43 100
72 0.0 23.0 34.4#



#28
Bromochloromethane
Concen: 7.93 ug/l
RT: 7.708 min Scan# 984
Delta R.T. 0.165 min
Lab File: VD069104.D
Acq: 07 May 2021 15:53

Tgt Ion: 49 Resp: 13496
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.2
130 0.0 64.9 97.3#





#30

Chloroform

Concen: 37.29 ug/l

RT: 7.708 min Scan# 984

Delta R.T. -0.000 min

Lab File: VD069104.D

Acq: 07 May 2021 15:53

Instrument :

MSVOA_D

ClientSampleId :

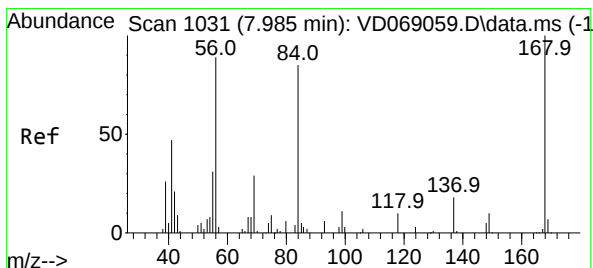
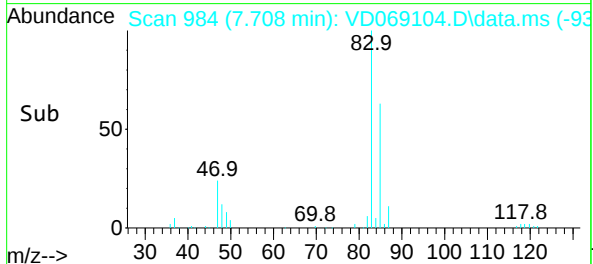
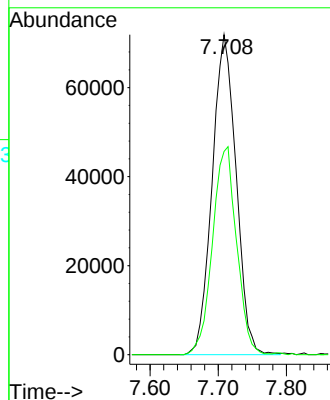
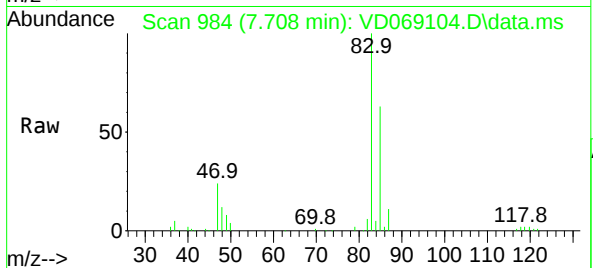
EME-19

Tgt Ion: 83 Resp: 175824

Ion Ratio Lower Upper

83 100

85 63.5 52.4 78.6



#31

Cyclohexane

Concen: 1.36 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD069104.D

Acq: 07 May 2021 15:53

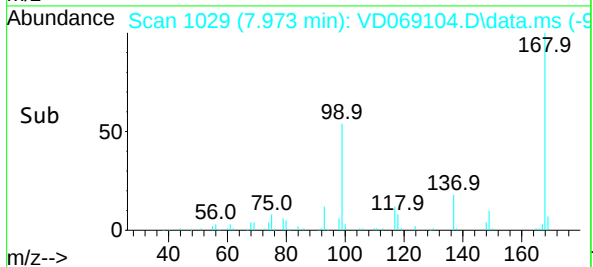
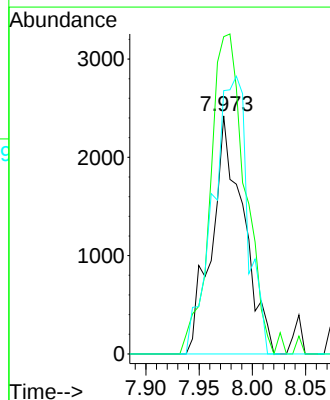
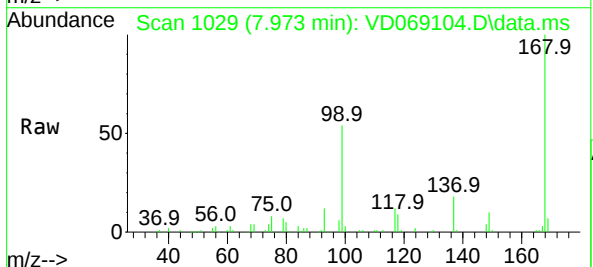
Tgt Ion: 56 Resp: 5023

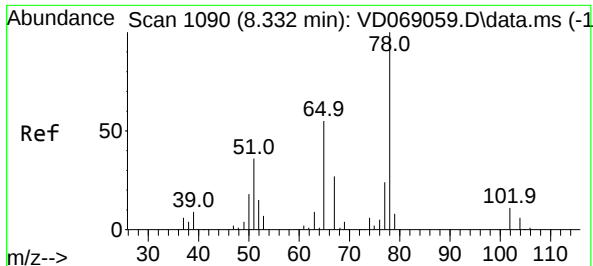
Ion Ratio Lower Upper

56 100

69 133.3 26.3 39.5#

84 110.6 75.9 113.9

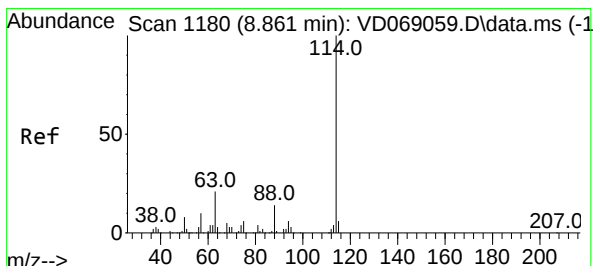
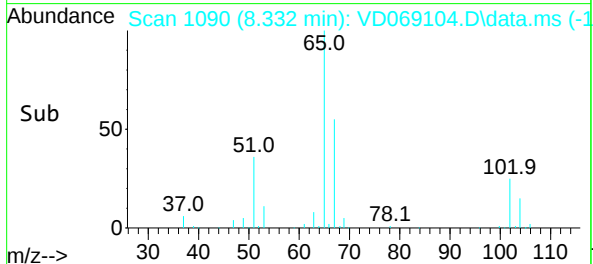
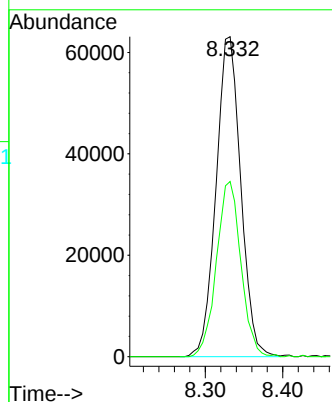
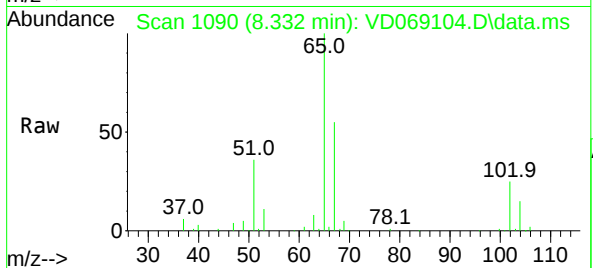




#33
1,2-Dichloroethane-d4
Concen: 54.85 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069104.D
Acq: 07 May 2021 15:53

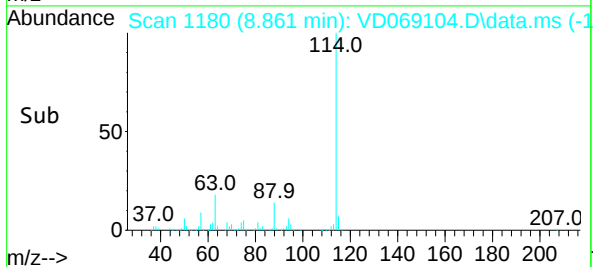
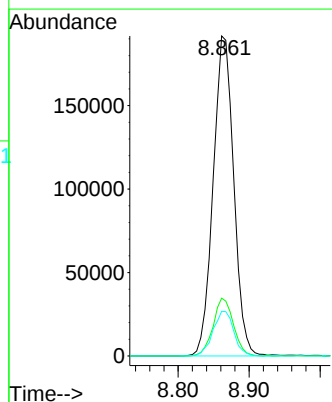
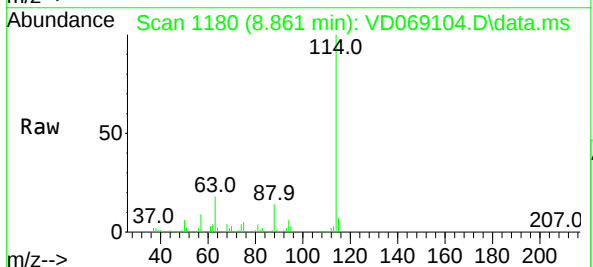
Instrument :
MSVOA_D
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EME-19

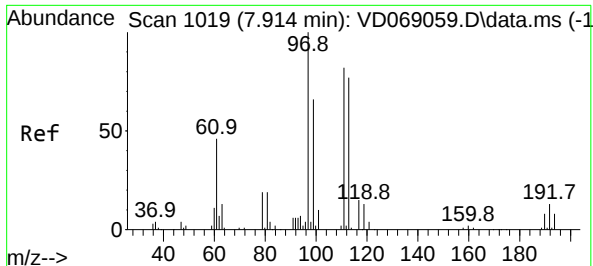
Tgt Ion: 65 Resp: 139973
Ion Ratio Lower Upper
65 100
67 54.3 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069104.D
Acq: 07 May 2021 15:53

Tgt Ion: 114 Resp: 385142
Ion Ratio Lower Upper
114 100
63 18.0 0.0 41.4
88 13.9 0.0 27.8





#35

Dibromofluoromethane

Concen: 55.31 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069104.D

Acq: 07 May 2021 15:53

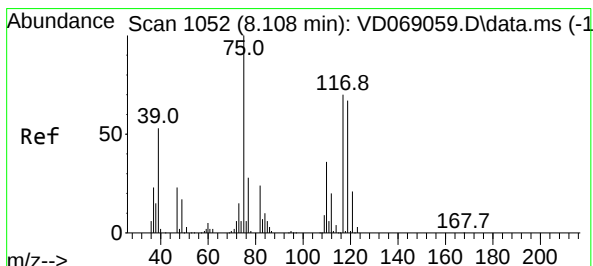
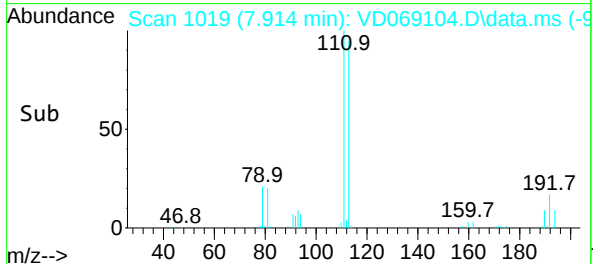
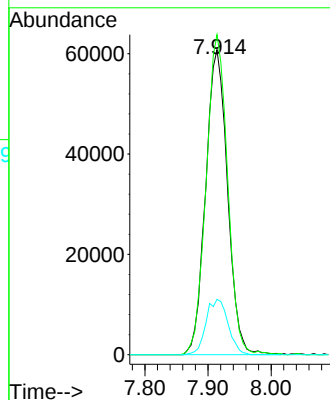
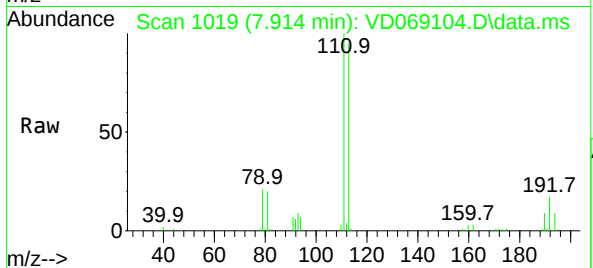
Tgt Ion:113 Resp: 146076

Ion Ratio Lower Upper

113 100

111 102.5 84.6 126.8

192 18.3 13.5 20.3



#36

1,1-Dichloropropene

Concen: 4.18 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.130 min

Lab File: VD069104.D

Acq: 07 May 2021 15:53

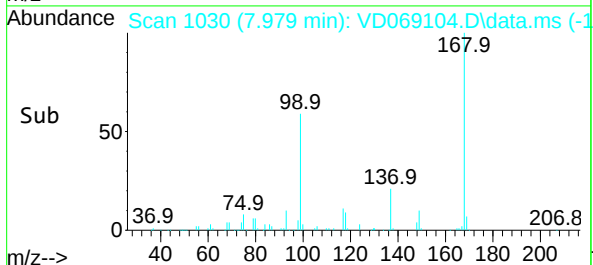
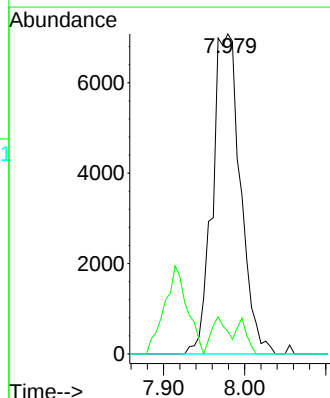
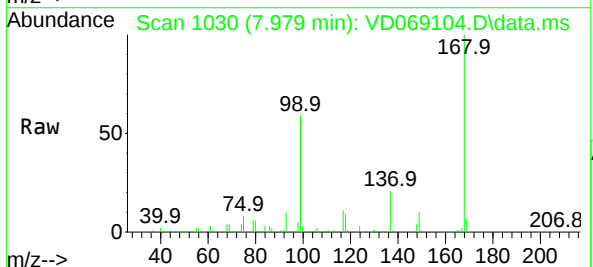
Tgt Ion: 75 Resp: 16947

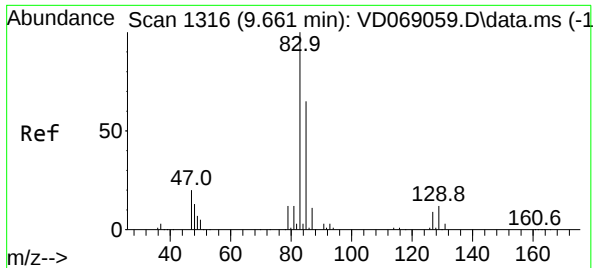
Ion Ratio Lower Upper

75 100

110 6.7 17.3 51.7#

77 0.0 23.9 35.9#

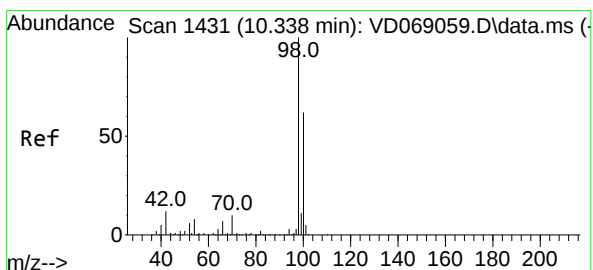
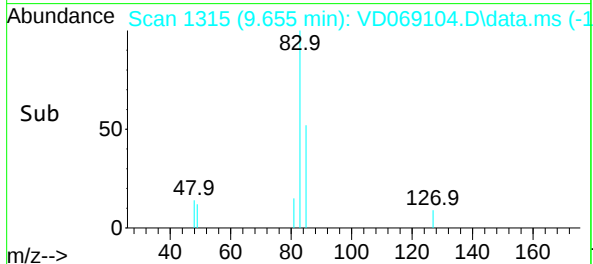
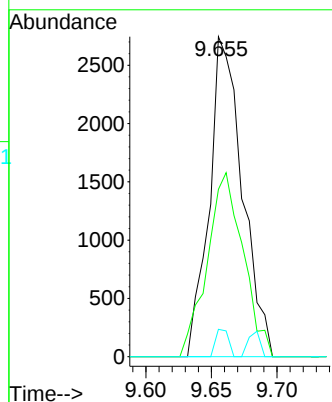
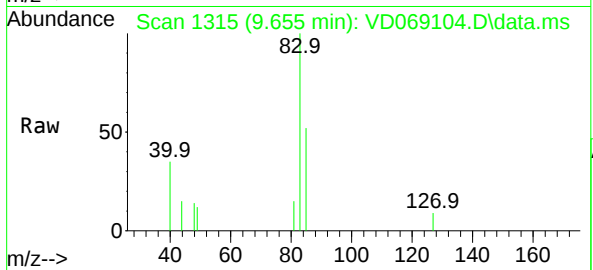




#47
Bromodichloromethane
Concen: 1.15 ug/l
RT: 9.655 min Scan# 1315
Delta R.T. -0.006 min
Lab File: VD069104.D
Acq: 07 May 2021 15:53

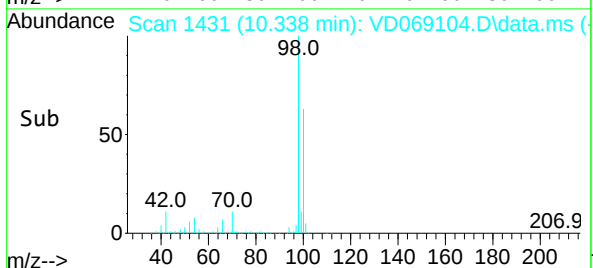
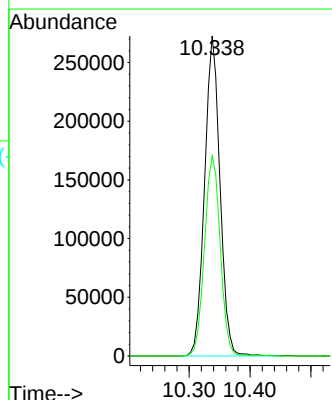
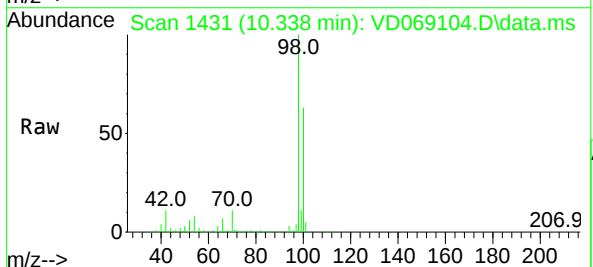
Instrument :
MSVOA_D
ClientSampleId :
EME-19

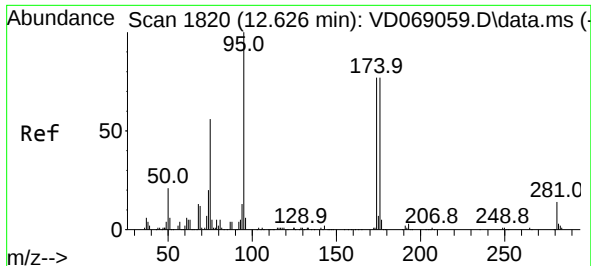
Tgt Ion: 83 Resp: 4807
Ion Ratio Lower Upper
83 100
85 52.3 52.1 78.1
127 8.6 7.0 10.4



#50
Toluene-d8
Concen: 49.06 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069104.D
Acq: 07 May 2021 15:53

Tgt Ion: 98 Resp: 478378
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4

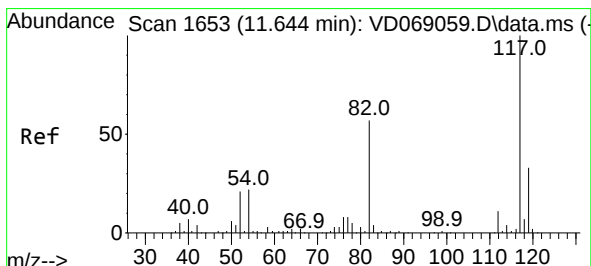
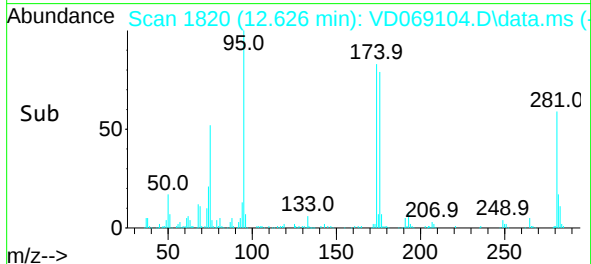
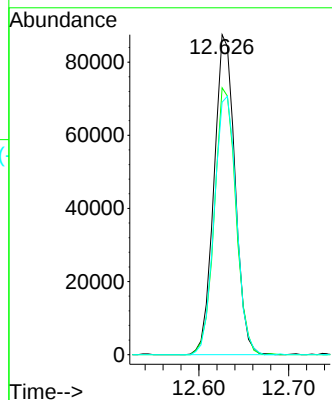
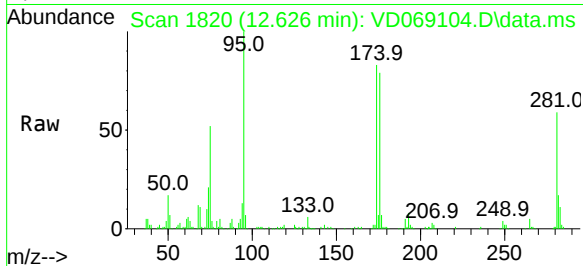




#62
4-Bromofluorobenzene
Concen: 44.37 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069104.D
Acq: 07 May 2021 15:53

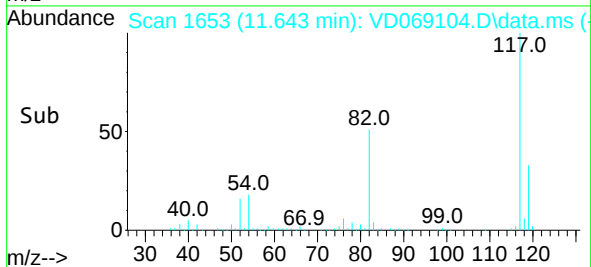
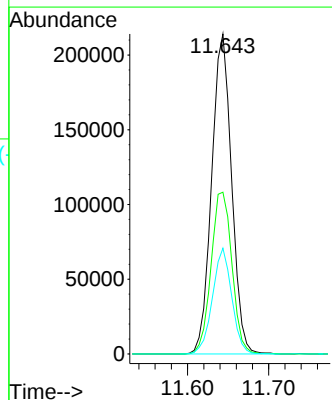
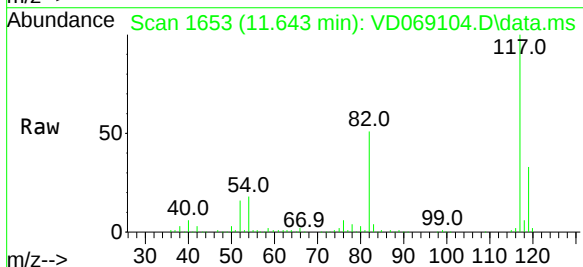
Instrument :
MSVOA_D
ClientSampleId :
EME-19

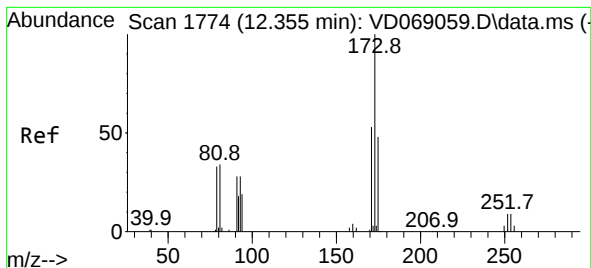
Tgt Ion: 95 Resp: 142310
Ion Ratio Lower Upper
95 100
174 84.7 0.0 156.0
176 84.8 0.0 149.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069104.D
Acq: 07 May 2021 15:53

Tgt Ion: 117 Resp: 365415
Ion Ratio Lower Upper
117 100
82 50.6 45.4 68.2
119 33.1 26.8 40.2





#71

Bromoform

Concen: 1.05 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. 0.270 min

Lab File: VD069104.D

Acq: 07 May 2021 15:53

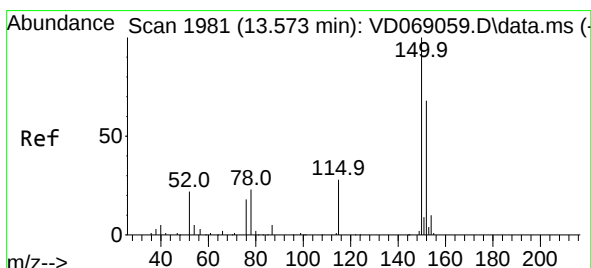
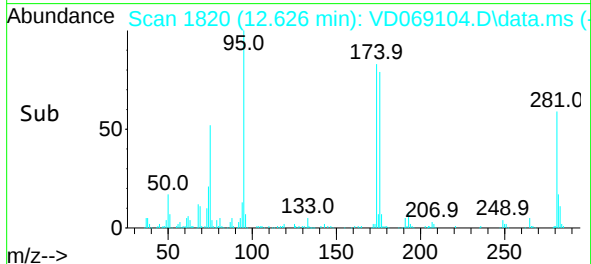
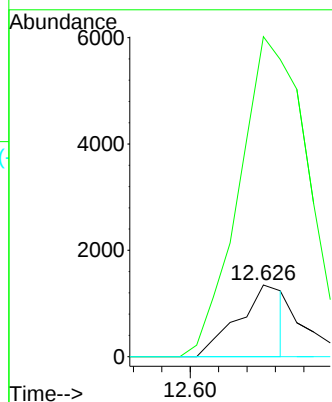
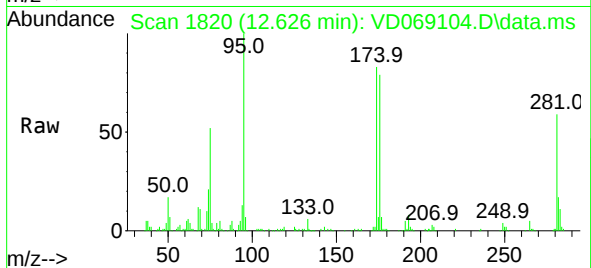
Tgt Ion:173 Resp: 1519

Ion Ratio Lower Upper

173 100

175 445.8 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: VD069104.D

Acq: 07 May 2021 15:53

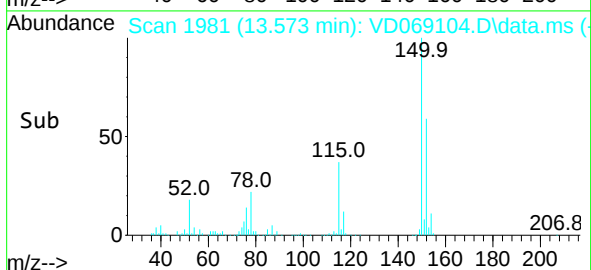
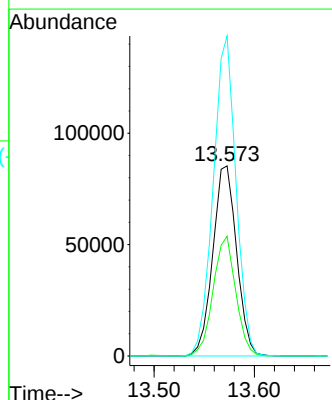
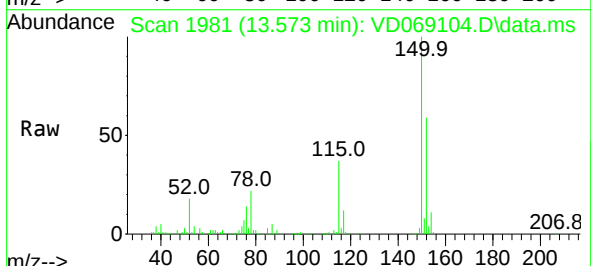
Tgt Ion:152 Resp: 140998

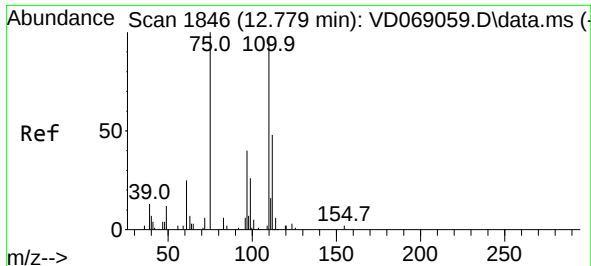
Ion Ratio Lower Upper

152 100

115 59.8 30.5 91.5

150 160.4 0.0 340.8

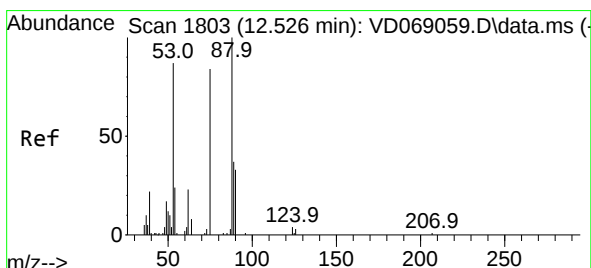
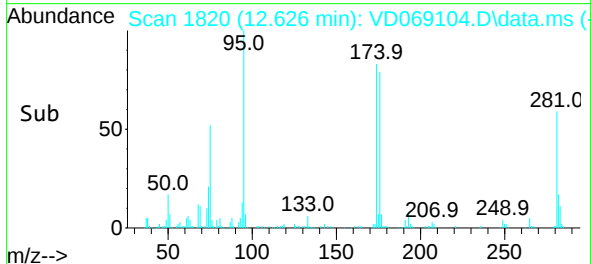
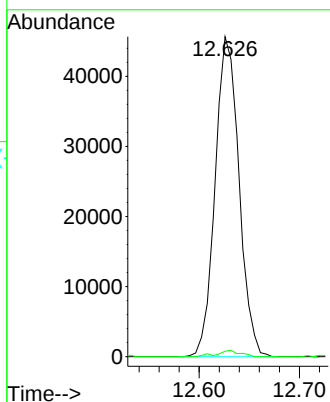
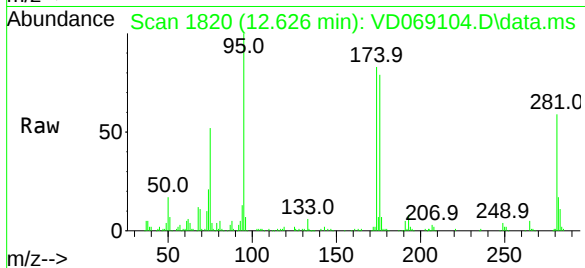




#76
1,2,3-Trichloropropane
Concen: 61.35 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069104.D
Acq: 07 May 2021 15:53

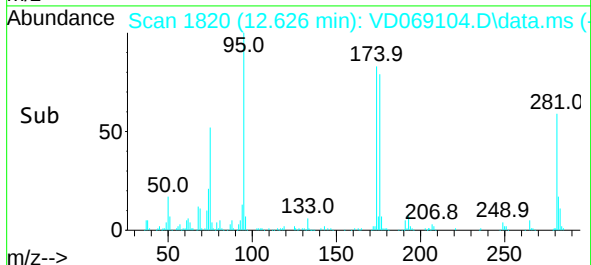
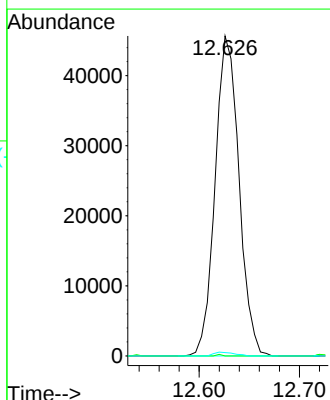
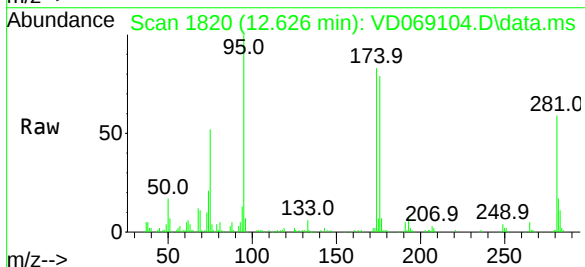
Instrument :
MSVOA_D
ClientSampleId :
EME-19

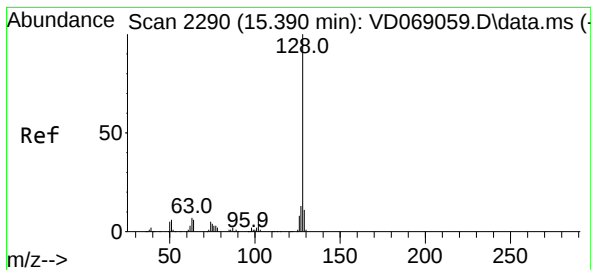
Tgt Ion: 75 Resp: 75304
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 133.49 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069104.D
Acq: 07 May 2021 15:53

Tgt Ion: 75 Resp: 75304
Ion Ratio Lower Upper
75 100
53 0.1 80.4 120.6#
89 1.0 37.8 56.8#





#95
Naphthalene
Concen: 2.96 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.006 min
Lab File: VD069104.D
Acq: 07 May 2021 15:53

Instrument :
MSVOA_D
ClientSampleId :
EME-19

Tgt Ion:128 Resp: 680
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 16.9 8.5 12.7#

