

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052421\
 Data File : VD069258.D
 Acq On : 24 May 2021 16:18
 Operator : VA/SY
 Sample : M2479-03
 Misc : 5.15G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GROUND-MATERIAL-1-17-D

Quant Time: May 25 00:56:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 13 04:01:29 2021
 Response via : Initial Calibration

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

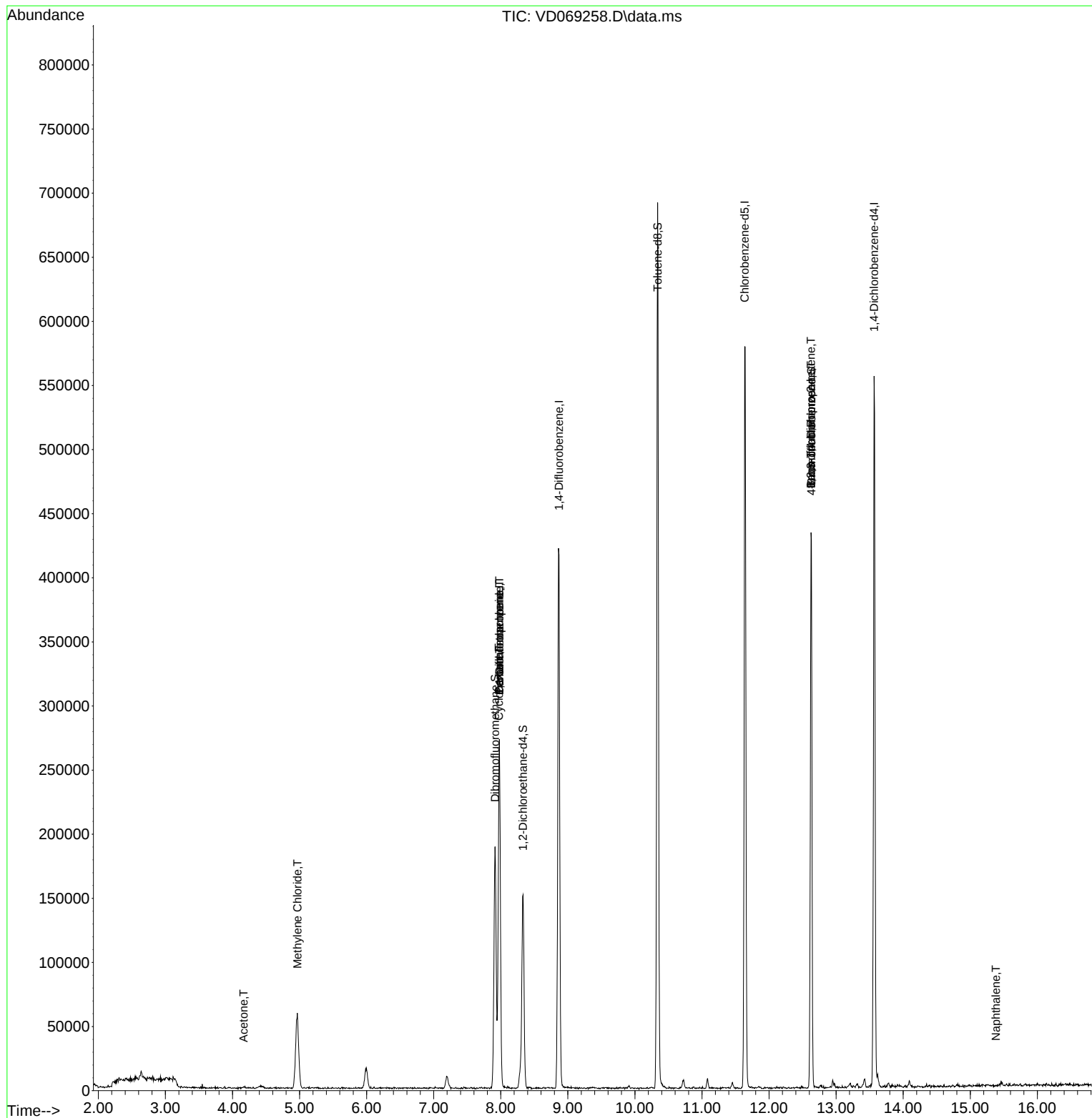
Internal Standards						
1) Pentafluorobenzene	7.979	168	195047	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	372088	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	350984	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	148539	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	122108	62.45	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	124.90%
35) Dibromofluoromethane	7.914	113	134512	55.55	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.10%
50) Toluene-d8	10.338	98	471727	53.02	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.04%
62) 4-Bromofluorobenzene	12.632	95	138413	48.35	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.70%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.226	59	409	Below Cal	#	73
16) Acetone	4.167	43	1153	3.85	ug/l #	1
20) Methylene Chloride	4.967	84	48492	13.22	ug/l	94
31) Cyclohexane	7.973	56	4801	1.66	ug/l #	28
36) 1,1-Dichloropropene	7.979	75	16839	4.66	ug/l #	48
38) Carbon Tetrachloride	7.979	117	20687	5.12	ug/l #	18
71) Bromoform	12.626	173	1928	1.35	ug/l #	28
76) 1,2,3-Trichloropropane	12.626	75	70050	62.74	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	70050	126.72	ug/l #	14
95) Naphthalene	15.385	128	466	2.14	ug/l #	69

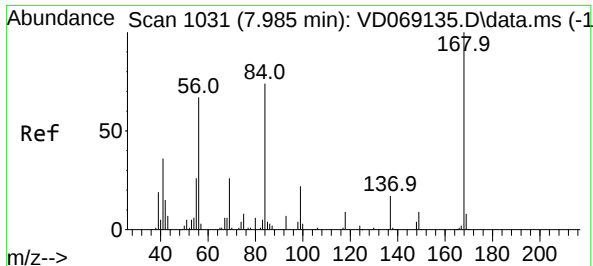
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 10 Sample Multiplier: 1

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
Quant Title : SW846 8260
QLast Update : Thu May 13 04:01:29 2021
Response via : Initial Calibration

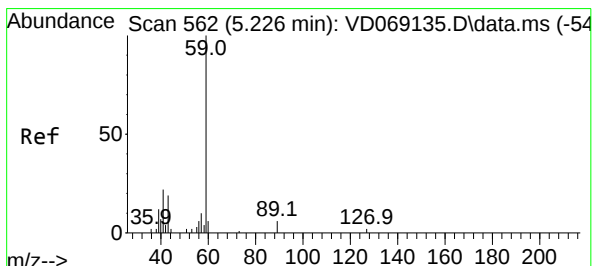
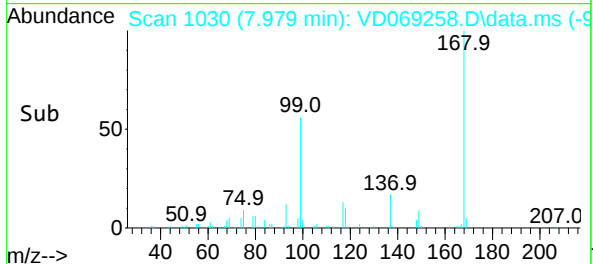
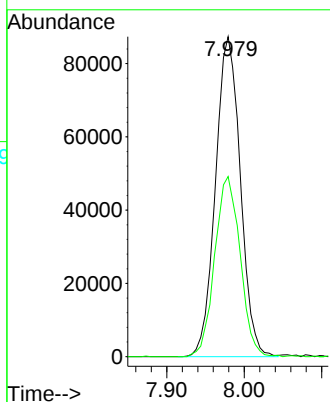
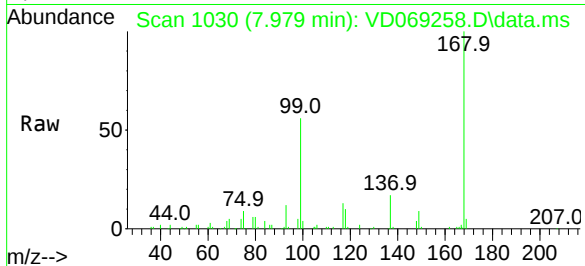




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069258.D
Acq: 24 May 2021 16:18

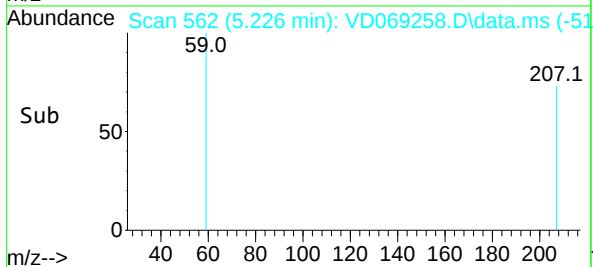
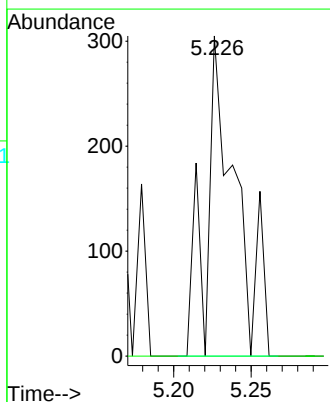
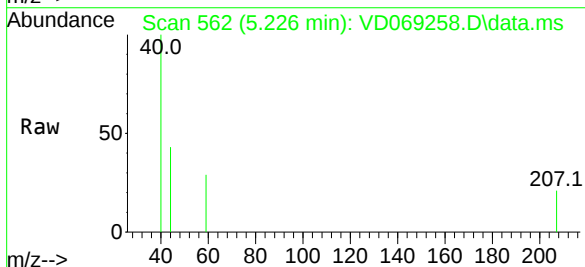
Instrument :
MSVOA_D
ClientSampleId :
GROUND-MATERIAL-1-17-D

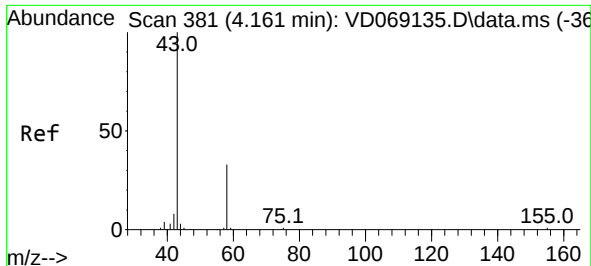
Tgt Ion:168 Resp: 195047
Ion Ratio Lower Upper
168 100
99 56.3 47.2 70.8



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.226 min Scan# 562
Delta R.T. 0.000 min
Lab File: VD069258.D
Acq: 24 May 2021 16:18

Tgt Ion: 59 Resp: 409
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

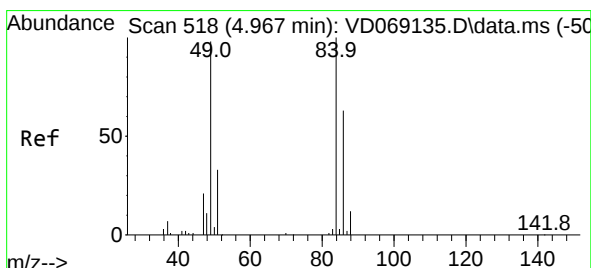
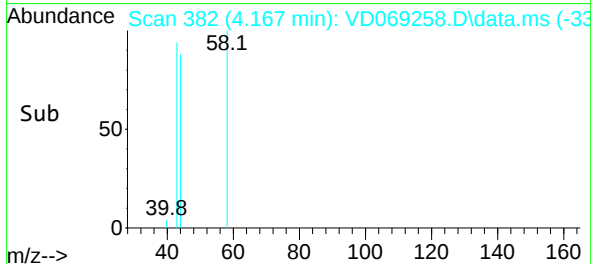
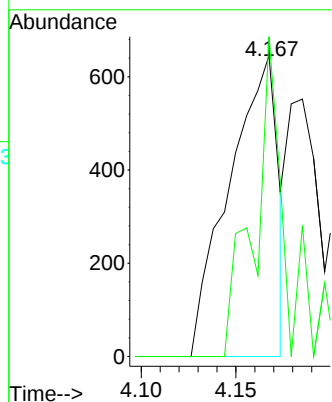
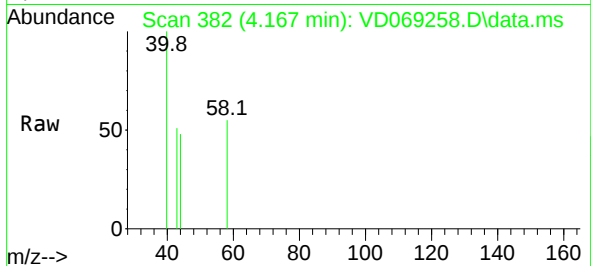




#16
Acetone
Concen: 3.85 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD069258.D
Acq: 24 May 2021 16:18

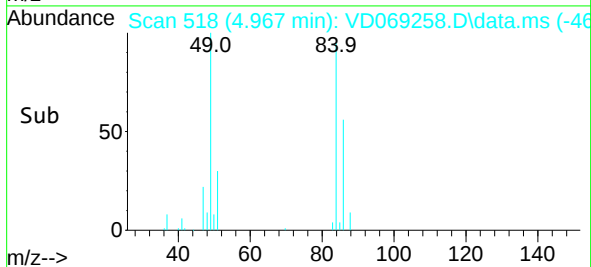
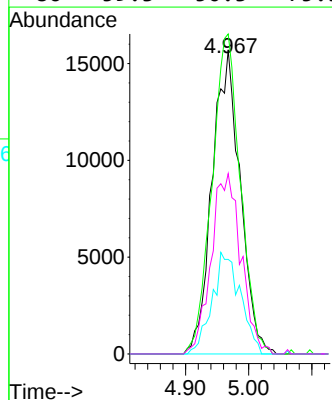
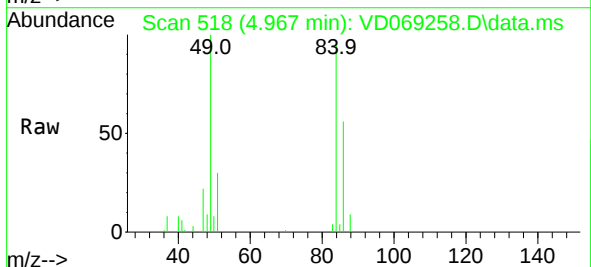
Instrument :
MSVOA_D
ClientSampleId :
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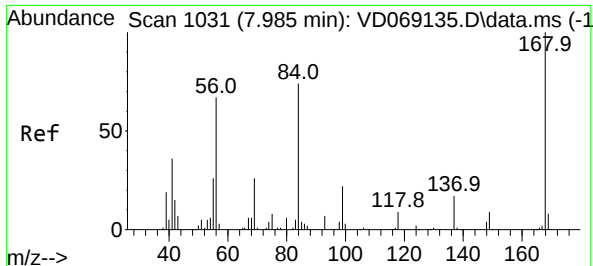
Tgt Ion: 43 Resp: 1153
Ion Ratio Lower Upper
43 100
58 106.2 26.7 40.1#



#20
Methylene Chloride
Concen: 13.22 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.000 min
Lab File: VD069258.D
Acq: 24 May 2021 16:18

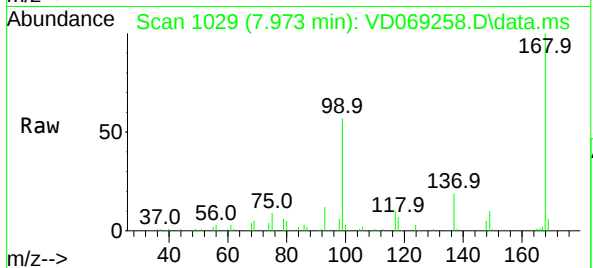
Tgt Ion: 84 Resp: 48492
Ion Ratio Lower Upper
84 100
49 105.2 78.6 117.8
51 31.1 26.7 40.1
86 59.3 50.3 75.5



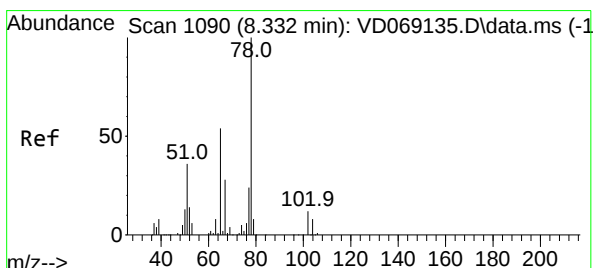
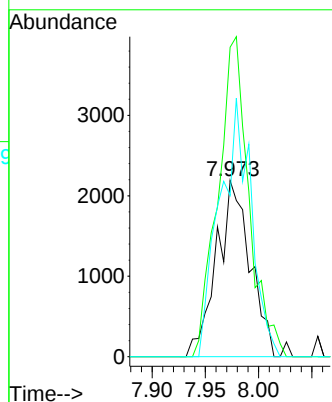
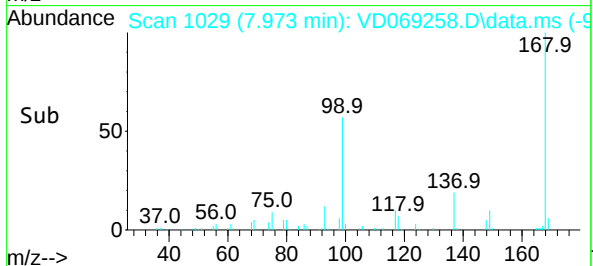


#31
Cyclohexane
Concen: 1.66 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.011 min
Lab File: VD069258.D
Acq: 24 May 2021 16:18

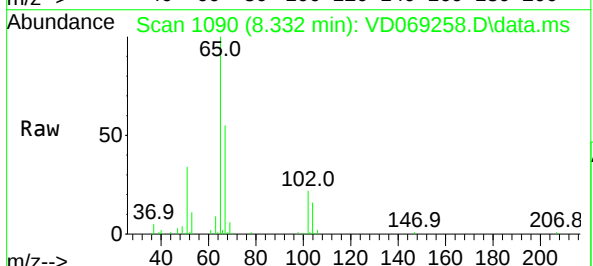
Instrument :
MSVOA_D
ClientSampleId :
GROUND-MATERIAL-1-17-D



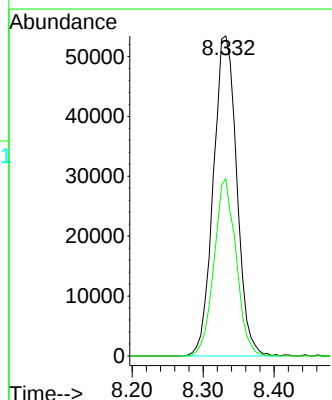
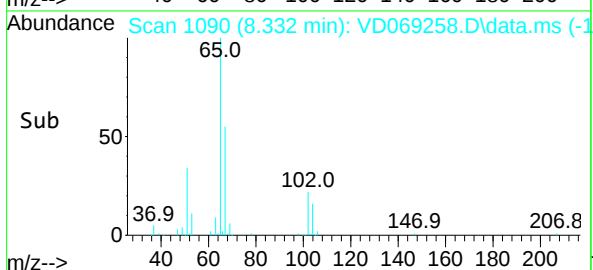
Tgt Ion: 56 Resp: 4801
Ion Ratio Lower Upper
56 100
69 175.7 30.6 46.0#
84 91.6 88.0 132.0

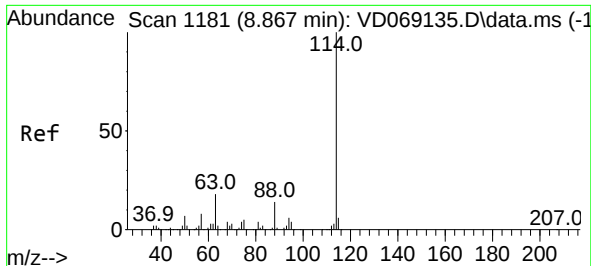


#33
1,2-Dichloroethane-d4
Concen: 62.45 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069258.D
Acq: 24 May 2021 16:18



Tgt Ion: 65 Resp: 122108
Ion Ratio Lower Upper
65 100
67 52.2 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. 0.000 min

Lab File: VD069258.D

Acq: 24 May 2021 16:18

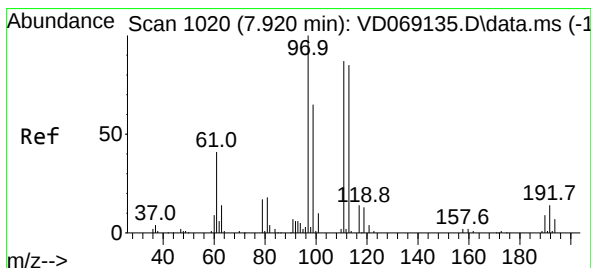
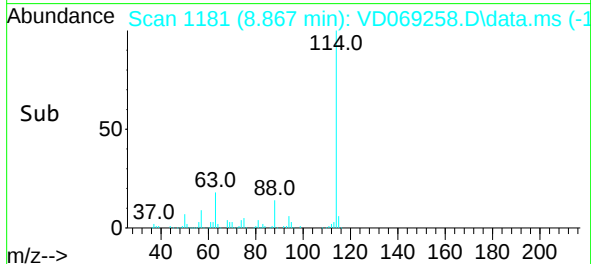
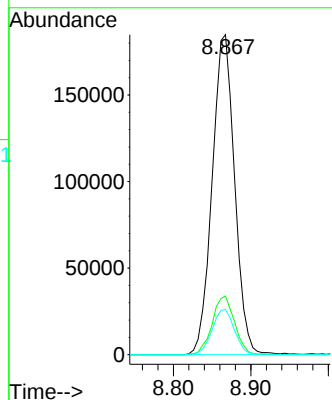
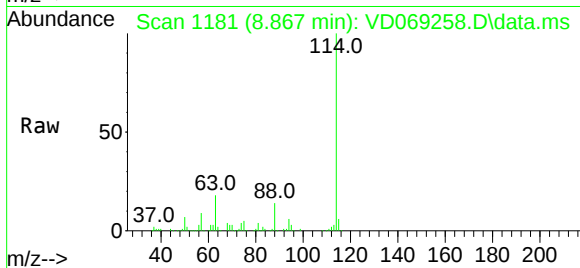
Instrument :

MSVOA_D

ClientSampleId :

GROUND-MATERIAL-1-17-D

Tgt Ion:	114	Resp:	372088
Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	36.4
88	14.2	0.0	28.2



#35

Dibromofluoromethane

Concen: 55.55 ug/l

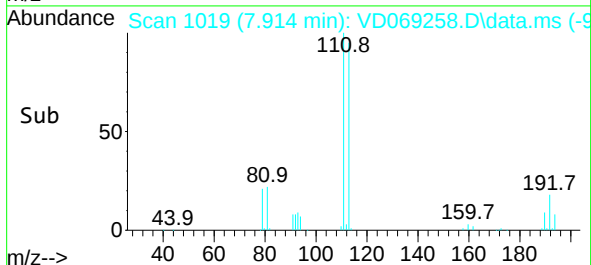
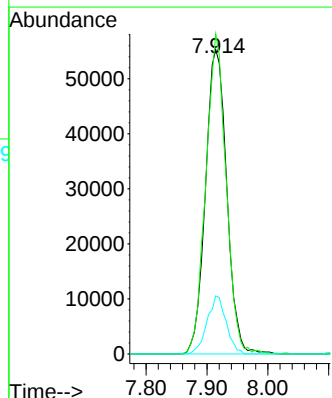
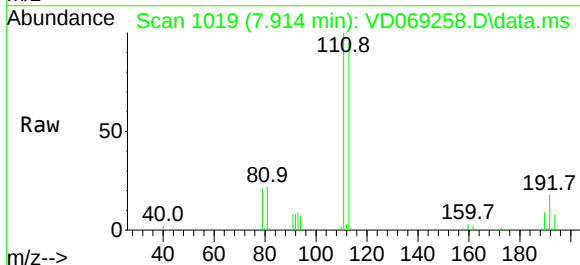
RT: 7.914 min Scan# 1019

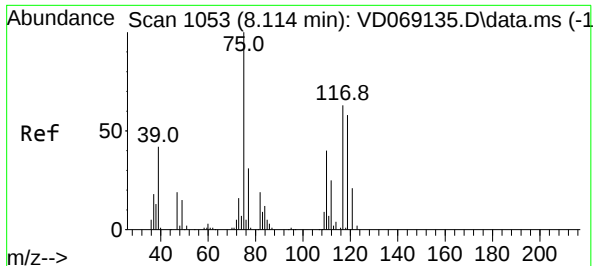
Delta R.T. -0.006 min

Lab File: VD069258.D

Acq: 24 May 2021 16:18

Tgt Ion:	113	Resp:	134512
Ion	Ratio	Lower	Upper
113	100		
111	100.1	80.6	120.8
192	17.0	14.8	22.2

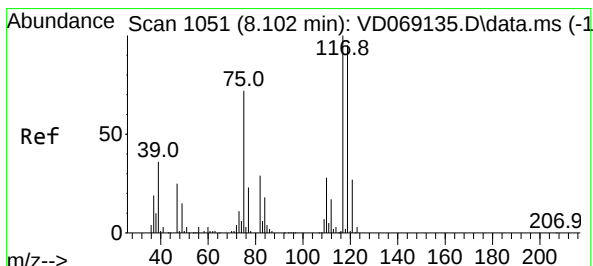
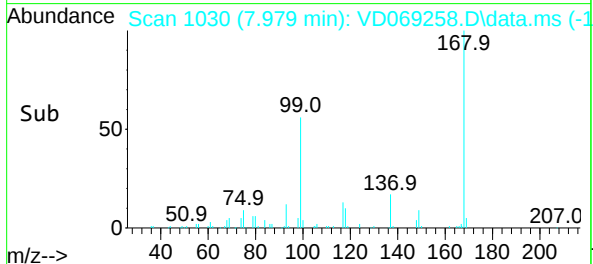
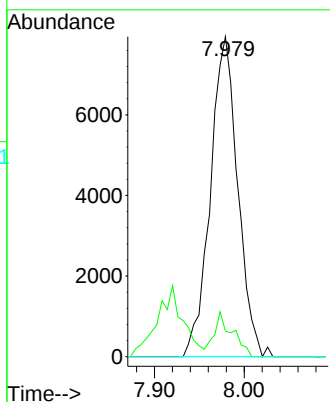
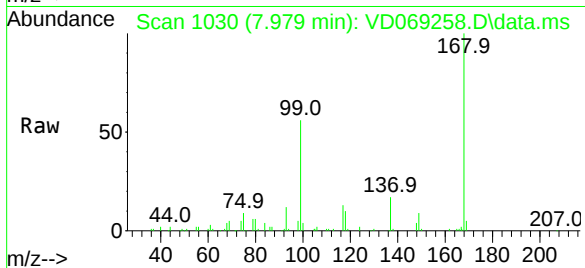




#36
1,1-Dichloropropene
Concen: 4.66 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD069258.D
Acq: 24 May 2021 16:18

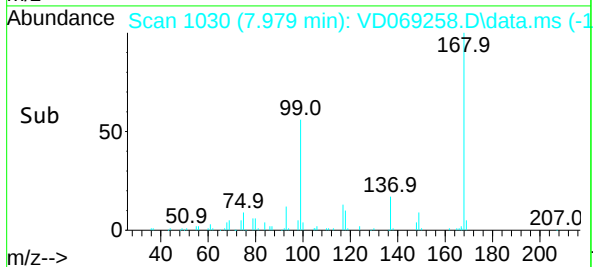
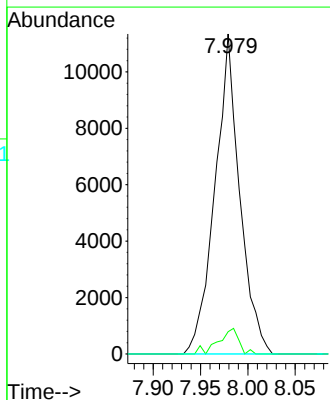
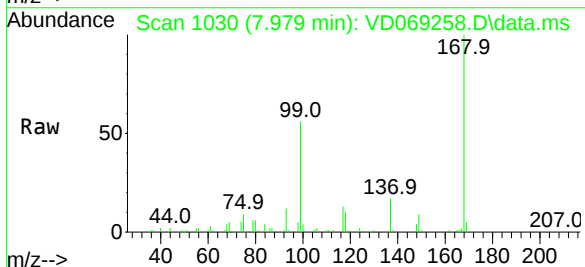
Instrument :
MSVOA_D
ClientSampleId :
GROUND-MATERIAL-1-17-D

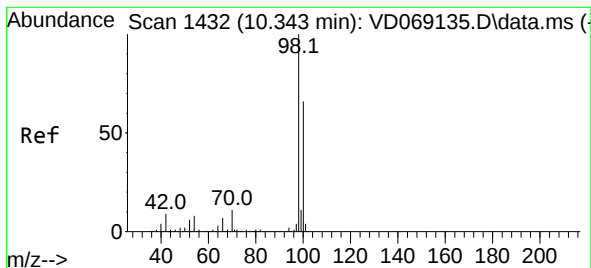
Tgt Ion: 75 Resp: 16839
Ion Ratio Lower Upper
75 100
110 9.3 18.8 56.4#
77 0.0 25.2 37.8#



#38
Carbon Tetrachloride
Concen: 5.12 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.123 min
Lab File: VD069258.D
Acq: 24 May 2021 16:18

Tgt Ion: 117 Resp: 20687
Ion Ratio Lower Upper
117 100
119 7.0 76.2 114.2#
121 0.0 21.9 32.9#

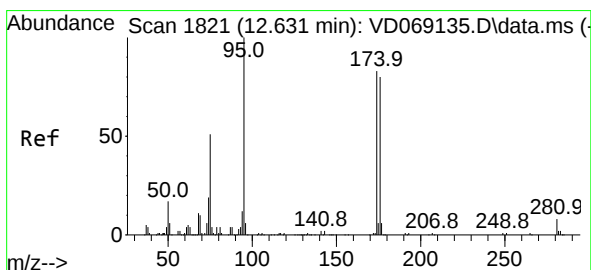
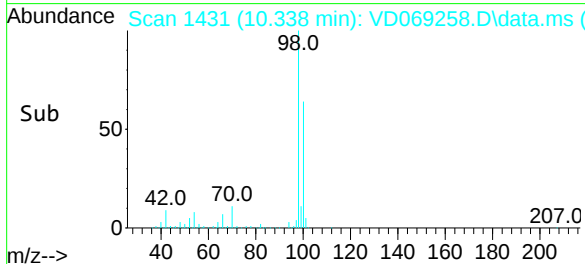
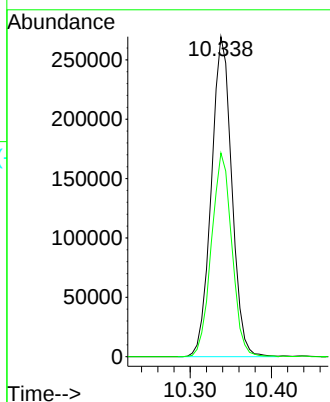
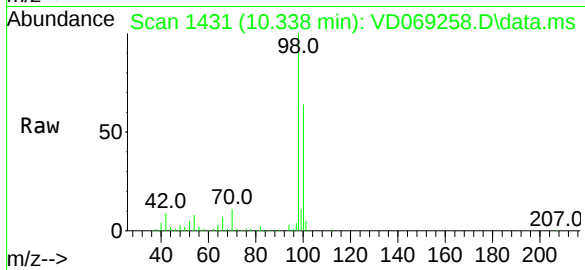




#50
Toluene-d8
Concen: 53.02 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD069258.D
Acq: 24 May 2021 16:18

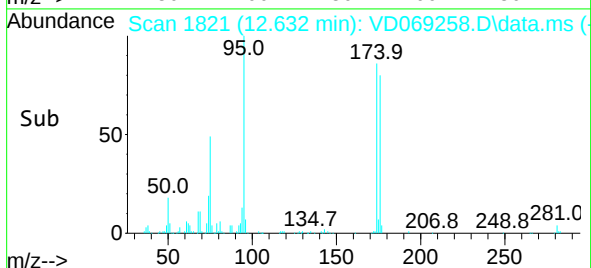
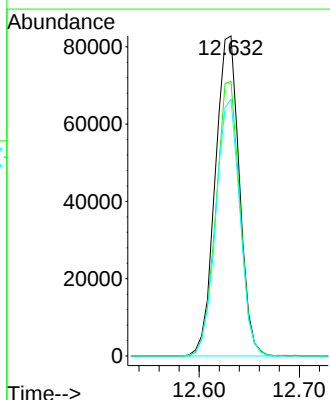
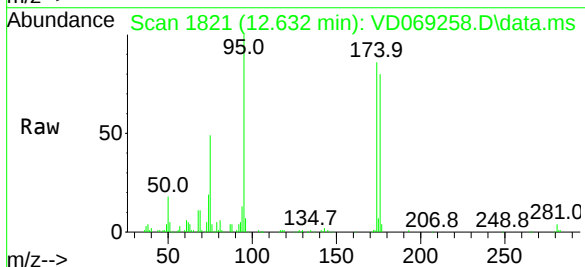
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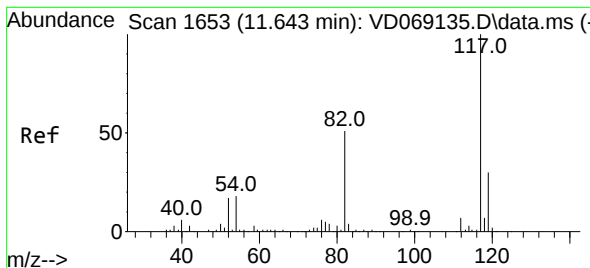
Tgt Ion: 98 Resp: 471727
Ion Ratio Lower Upper
98 100
100 63.6 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 48.35 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD069258.D
Acq: 24 May 2021 16:18

Tgt Ion: 95 Resp: 138413
Ion Ratio Lower Upper
95 100
174 85.1 0.0 171.8
176 80.1 0.0 165.4

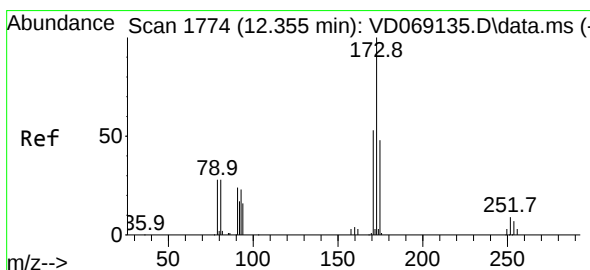
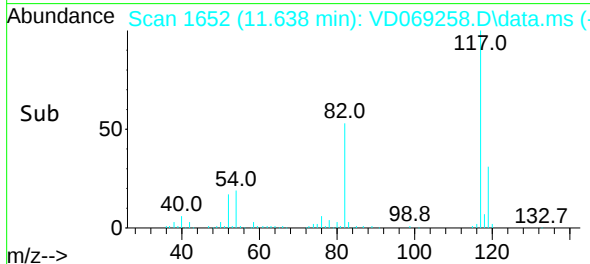
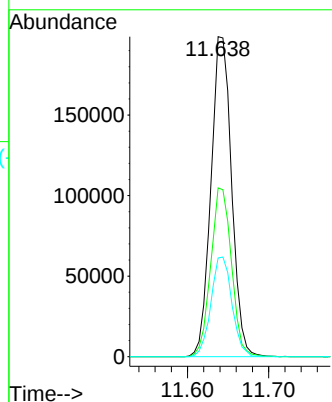
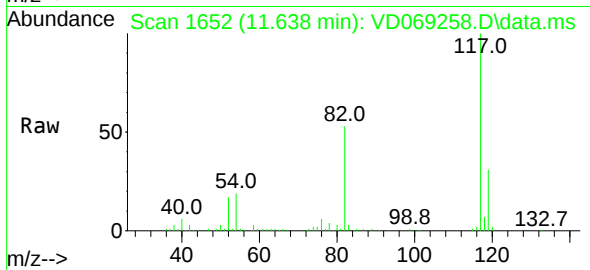




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.006 min
Lab File: VD069258.D
Acq: 24 May 2021 16:18

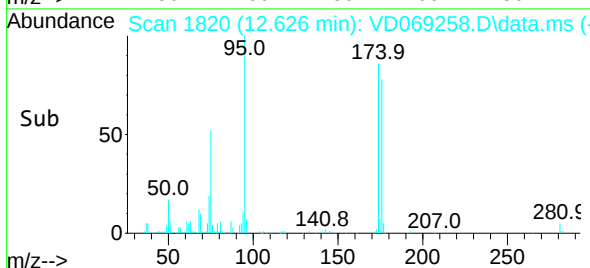
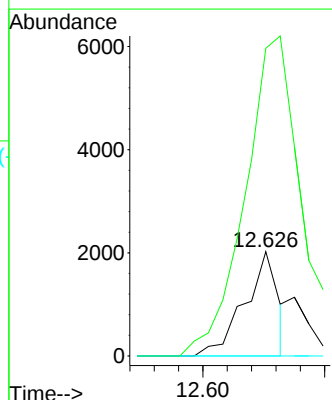
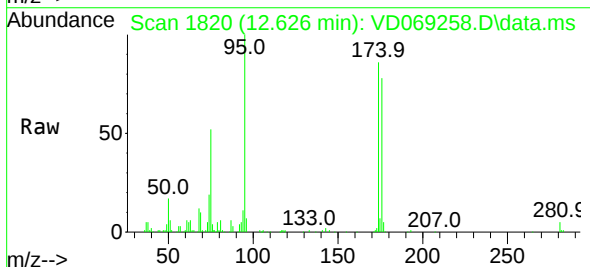
Instrument :
MSVOA_D
ClientSampleId :
GROUND-MATERIAL-1-17-D

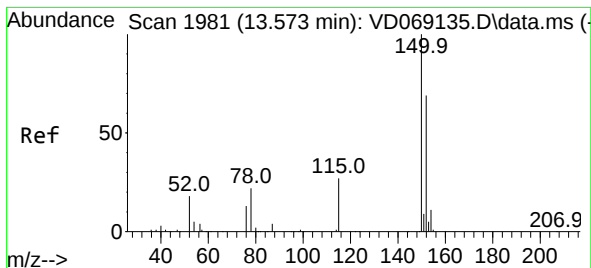
Tgt Ion:117 Resp: 350984
Ion Ratio Lower Upper
117 100
82 52.7 40.5 60.7
119 30.9 24.2 36.4



#71
Bromoform
Concen: 1.35 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069258.D
Acq: 24 May 2021 16:18

Tgt Ion:173 Resp: 1928
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0

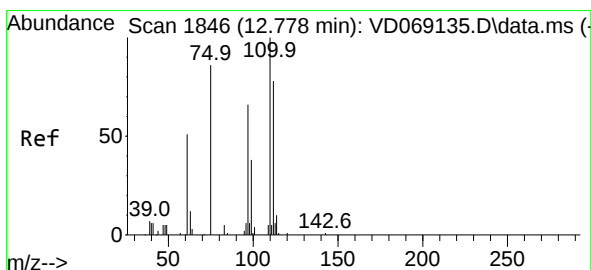
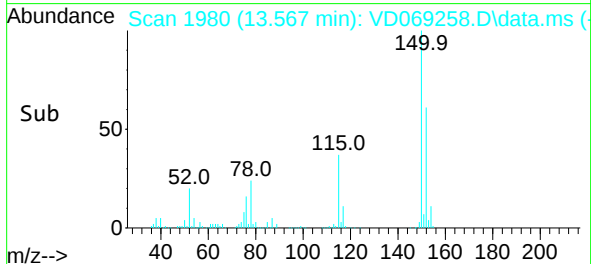
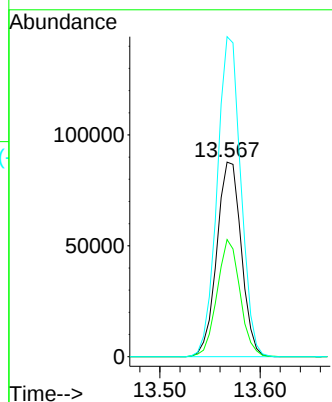
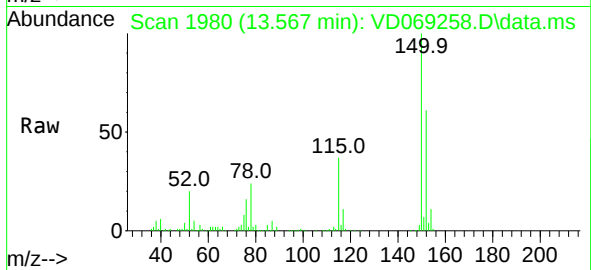




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD069258.D
Acq: 24 May 2021 16:18

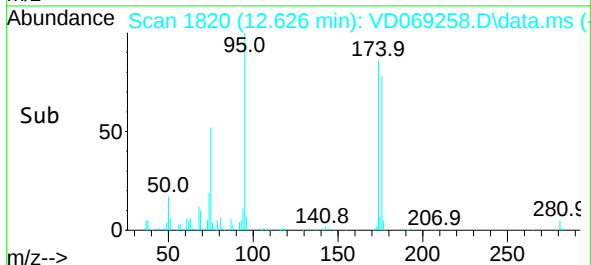
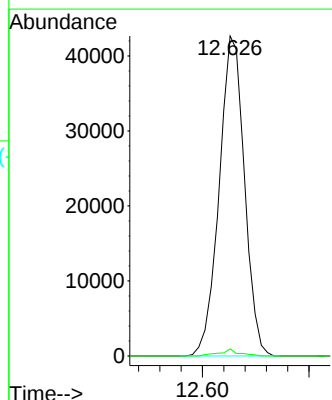
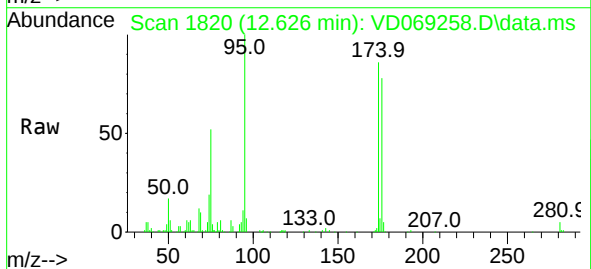
Instrument :
MSVOA_D
ClientSampleId :
GROUND-MATERIAL-1-17-D

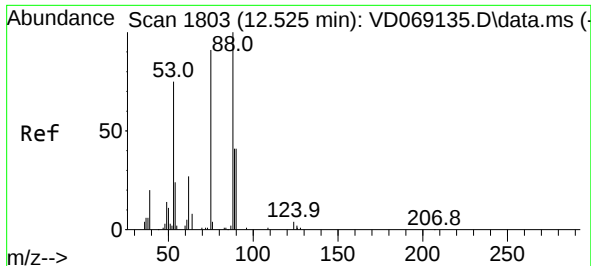
Tgt Ion:152 Resp: 148539
Ion Ratio Lower Upper
152 100
115 56.6 29.9 89.8
150 159.1 0.0 350.2



#76
1,2,3-Trichloropropane
Concen: 62.74 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069258.D
Acq: 24 May 2021 16:18

Tgt Ion: 75 Resp: 70050
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#

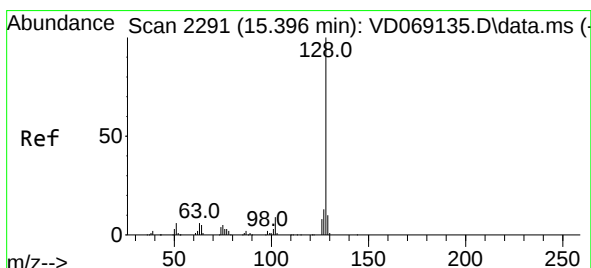
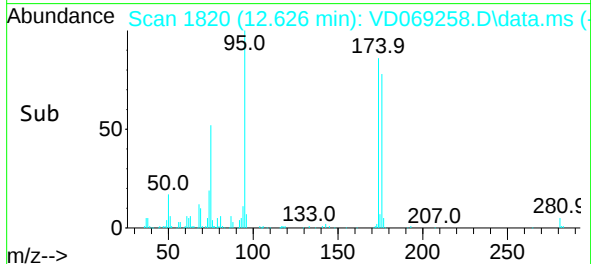
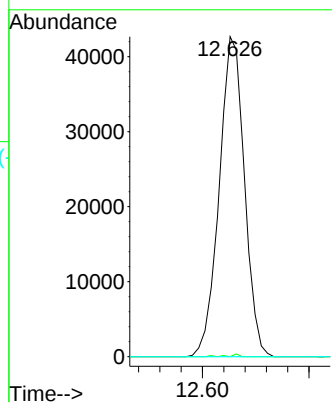
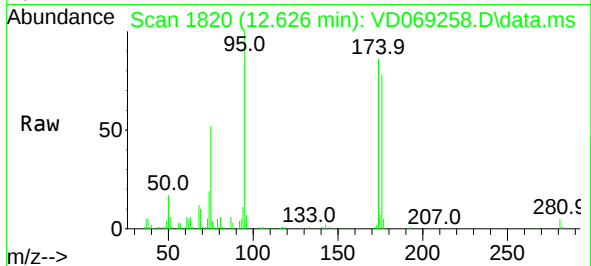




#81
trans-1,4-Dichloro-2-butene
Concen: 126.72 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069258.D
Acq: 24 May 2021 16:18

Instrument :
MSVOA_D
ClientSampleId :
GROUND-MATERIAL-1-17-D

Tgt Ion: 75 Resp: 70050
Ion Ratio Lower Upper
75 100
53 0.3 70.0 105.0#
89 0.0 40.2 60.2#



#95
Naphthalene
Concen: 2.14 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.011 min
Lab File: VD069258.D
Acq: 24 May 2021 16:18

Tgt Ion:128 Resp: 466
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

