

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052421\
 Data File : VD069259.D
 Acq On : 24 May 2021 16:47
 Operator : VA/SY
 Sample : M2479-04
 Misc : 5.11G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MIXED-SUBBASE-GROUND-4-10-D

Quant Time: May 25 00:56:47 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)

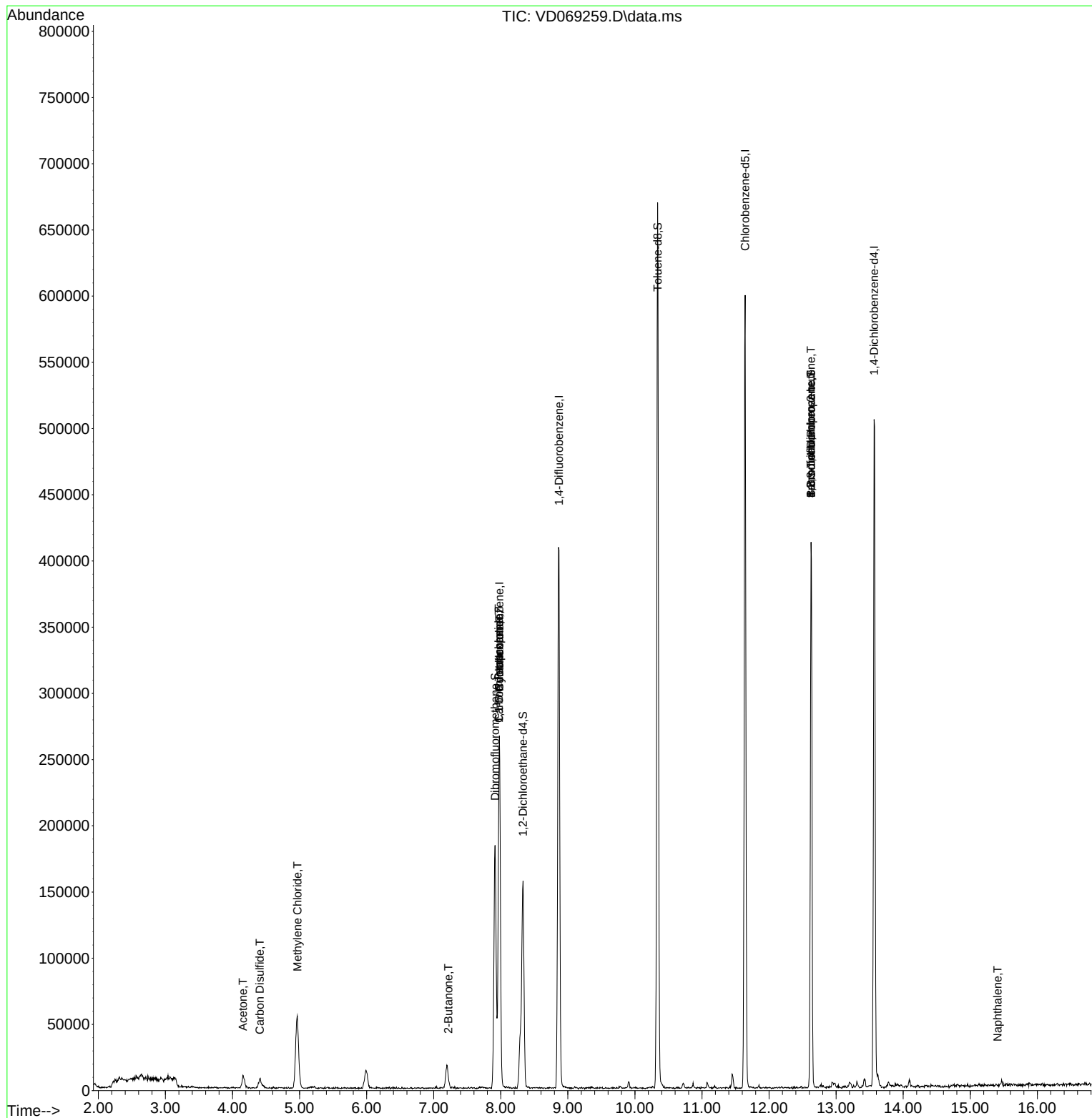
Internal Standards						
1) Pentafluorobenzene	7.979	168	190875	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	363623	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	343301	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	136486	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	120635	63.04	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 126.08%			
35) Dibromofluoromethane	7.914	113	134334	56.77	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.54%			
50) Toluene-d8	10.338	98	456123	52.46	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.92%			
62) 4-Bromofluorobenzene	12.626	95	127145	45.44	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 90.88%			
Target Compounds						
11) Tert butyl alcohol	5.220	59	408	Below Cal	#	73
16) Acetone	4.156	43	15453	52.73	ug/l #	72
17) Carbon Disulfide	4.409	76	13847	2.19	ug/l #	89
20) Methylene Chloride	4.967	84	45800	12.38	ug/l	96
25) 2-Butanone	7.220	43	1695	4.27	ug/l	94
31) Cyclohexane	7.979	56	4451	1.57	ug/l #	39
36) 1,1-Dichloropropene	7.973	75	16752	4.74	ug/l #	48
38) Carbon Tetrachloride	7.973	117	20909	5.29	ug/l #	18
71) Bromoform	12.626	173	1613	1.16	ug/l #	28
76) 1,2,3-Trichloropropane	12.626	75	66787	65.10	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	66787	131.49	ug/l #	14
95) Naphthalene	15.408	128	936	2.25	ug/l #	69

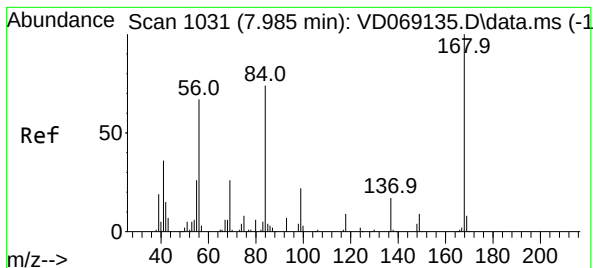
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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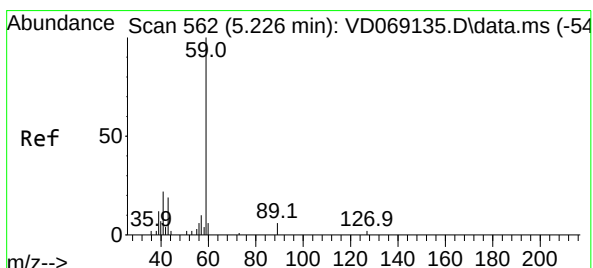
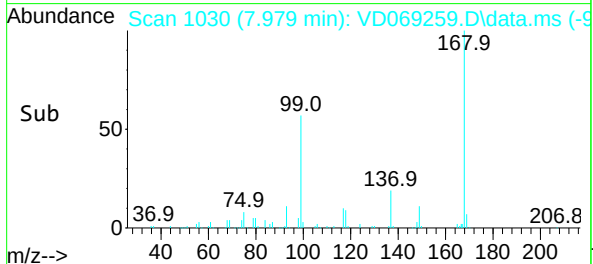
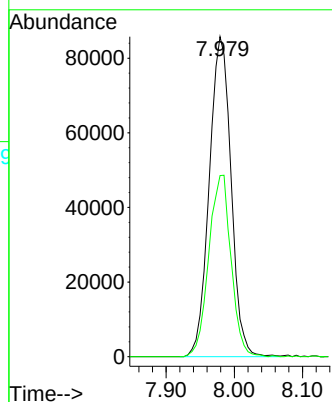
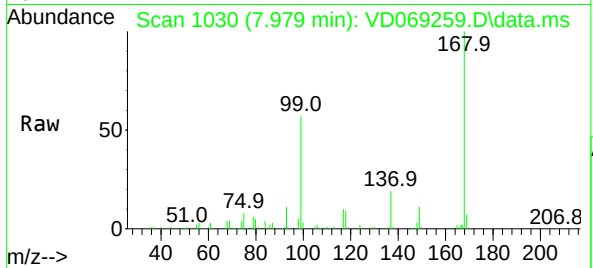




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069259.D
Acq: 24 May 2021 16:47

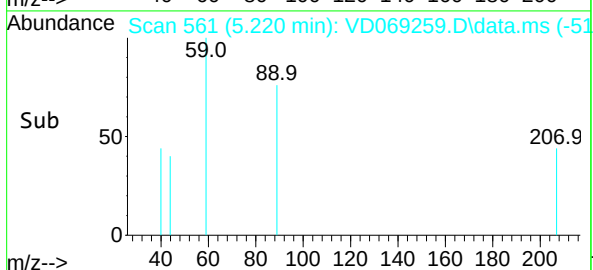
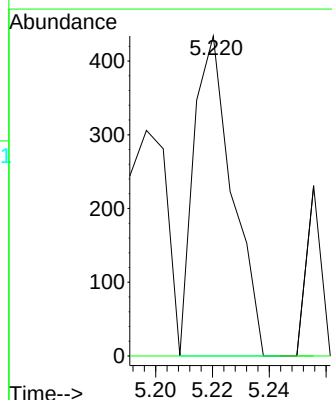
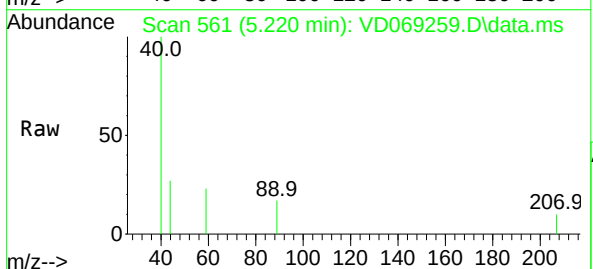
Instrument :
MSVOA_D
ClientSampleId :
MIXED-SUBBASE-GROUND-4-10-D

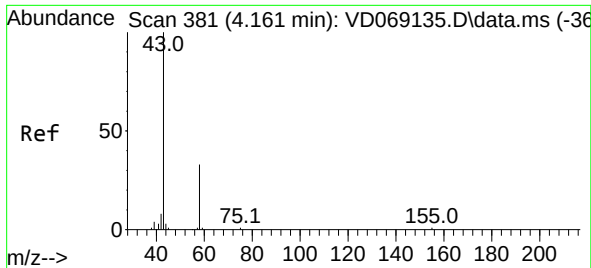
Tgt Ion:168 Resp: 190875
Ion Ratio Lower Upper
168 100
99 56.6 47.2 70.8



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. -0.006 min
Lab File: VD069259.D
Acq: 24 May 2021 16:47

Tgt Ion: 59 Resp: 408
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

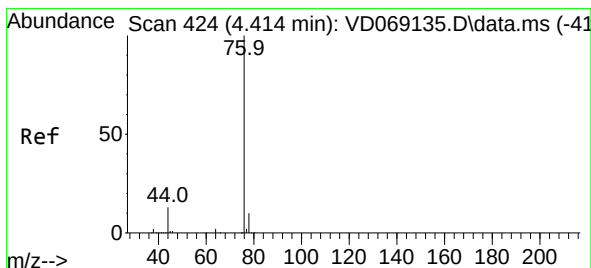
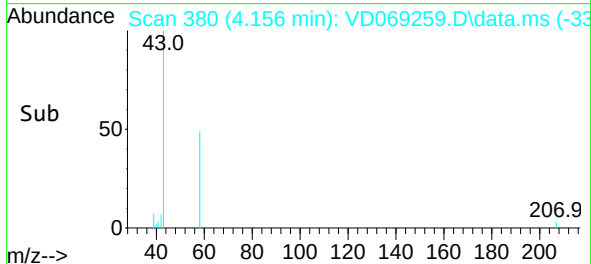
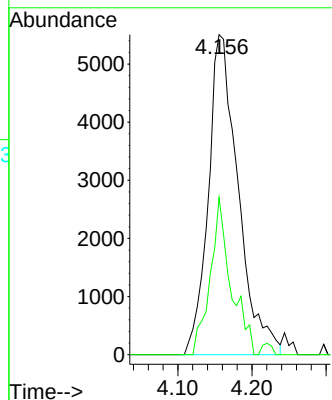
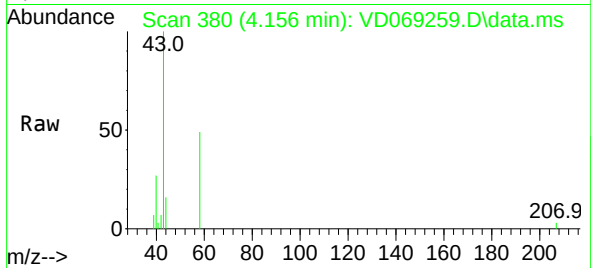




#16
Acetone
Concen: 52.73 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069259.D
Acq: 24 May 2021 16:47

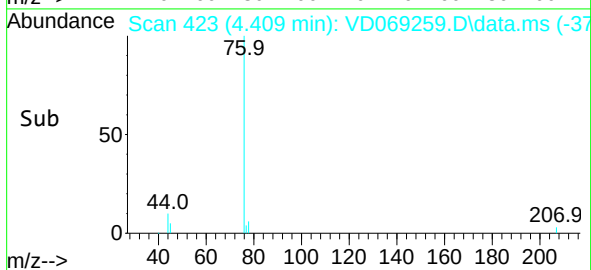
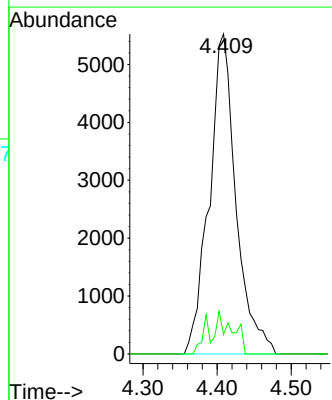
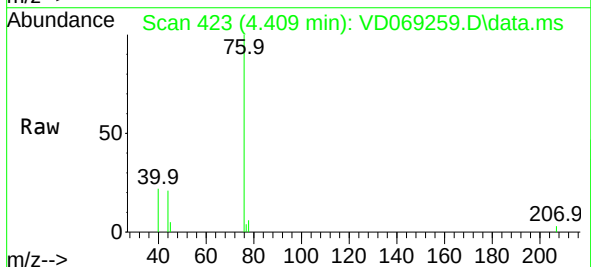
Instrument :
MSVOA_D
ClientSampleId :
MIXED-SUBBASE-GROUND-4-10-D

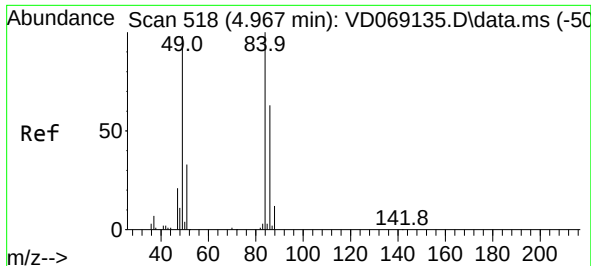
Tgt Ion: 43 Resp: 15453
Ion Ratio Lower Upper
43 100
58 49.1 26.7 40.1#



#17
Carbon Disulfide
Concen: 2.19 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.006 min
Lab File: VD069259.D
Acq: 24 May 2021 16:47

Tgt Ion: 76 Resp: 13847
Ion Ratio Lower Upper
76 100
78 6.1 8.1 12.1#

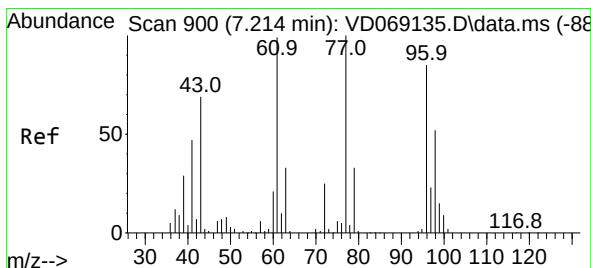
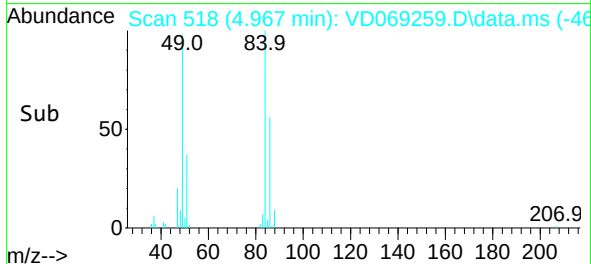
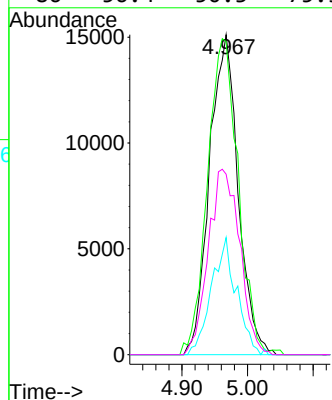
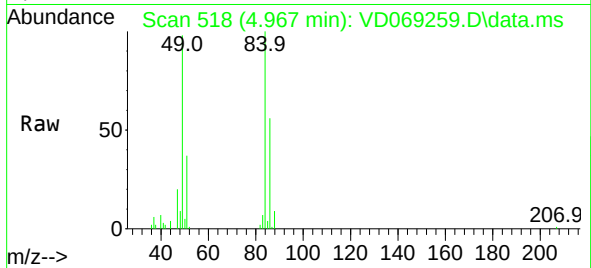




#20
Methylene Chloride
Concen: 12.38 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.000 min
Lab File: VD069259.D
Acq: 24 May 2021 16:47

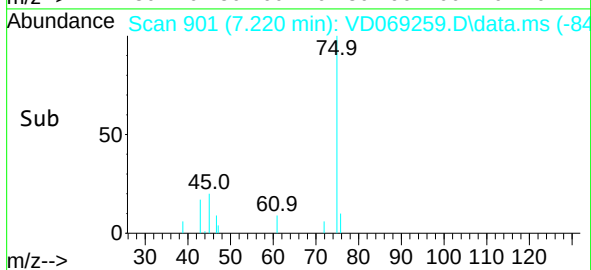
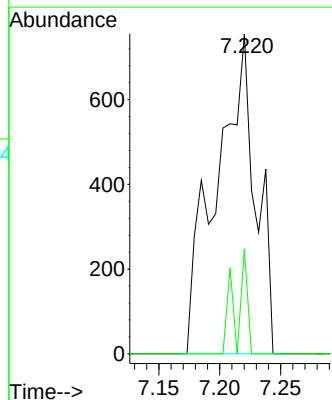
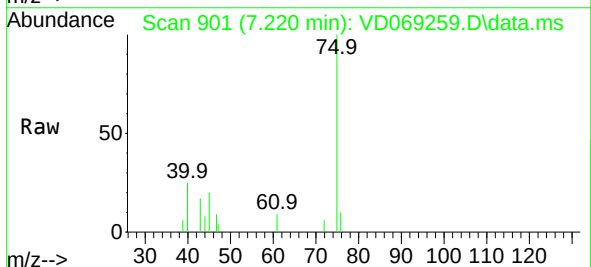
Instrument :
MSVOA_D
ClientSampleId :
MIXED-SUBBASE-GROUND-4-10-D

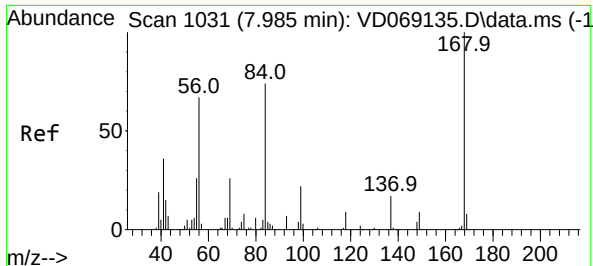
Tgt Ion:	84	Resp:	45800
Ion	Ratio	Lower	Upper
84	100		
49	97.8	78.6	117.8
51	36.6	26.7	40.1
86	56.4	50.3	75.5



#25
2-Butanone
Concen: 4.27 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD069259.D
Acq: 24 May 2021 16:47

Tgt Ion:	43	Resp:	1695
Ion	Ratio	Lower	Upper
43	100		
72	32.7	29.1	43.7





#31

Cyclohexane

Concen: 1.57 ug/l

RT: 7.979 min Scan# 1030

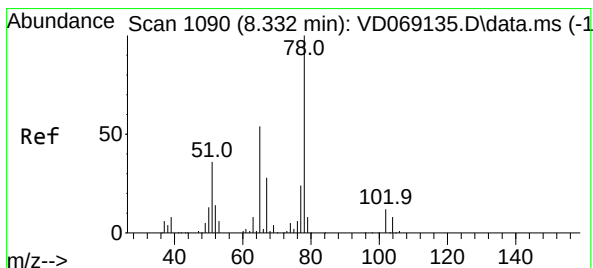
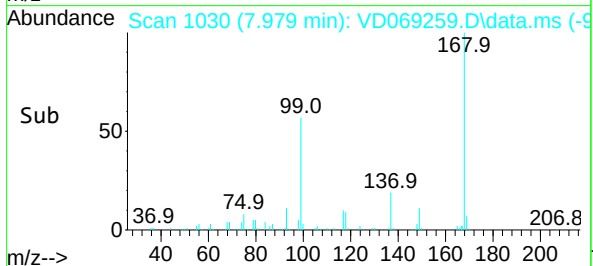
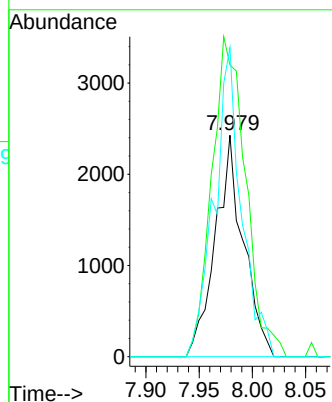
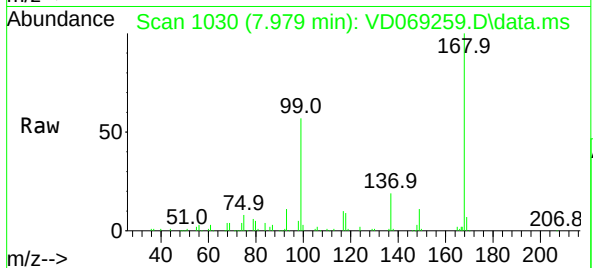
Delta R.T. -0.006 min

Lab File: VD069259.D

Acq: 24 May 2021 16:47

Tgt Ion:	56	Resp:	4451
Ion	Ratio	Lower	Upper
56	100		
69	131.7	30.6	46.0#
84	139.6	88.0	132.0#

Instrument :
MSVOA_D
ClientSampleId :
MIXED-SUBBASE-GROUND-4-10-D



#33

1,2-Dichloroethane-d4

Concen: 63.04 ug/l

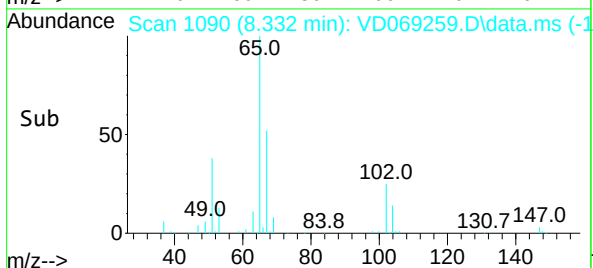
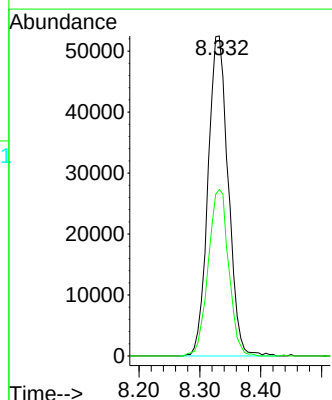
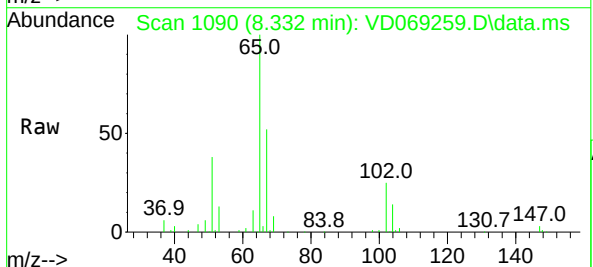
RT: 8.332 min Scan# 1090

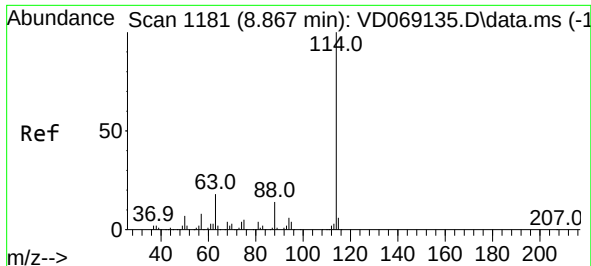
Delta R.T. 0.000 min

Lab File: VD069259.D

Acq: 24 May 2021 16:47

Tgt Ion:	65	Resp:	120635
Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	108.0

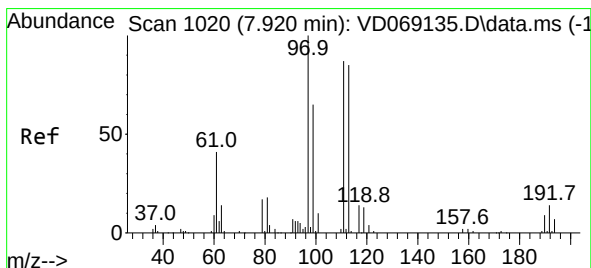
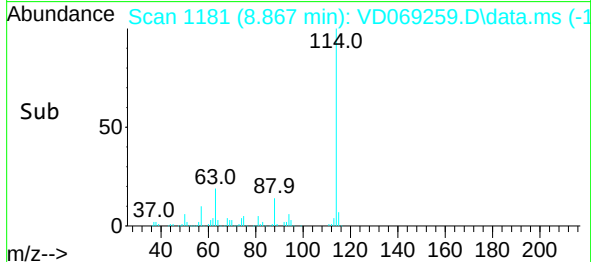
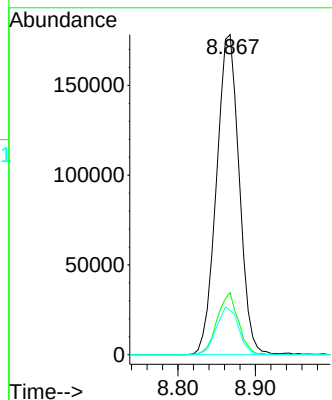
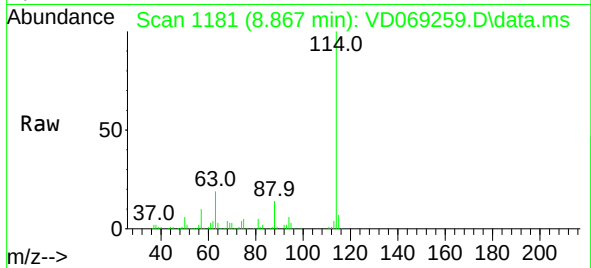




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069259.D
Acq: 24 May 2021 16:47

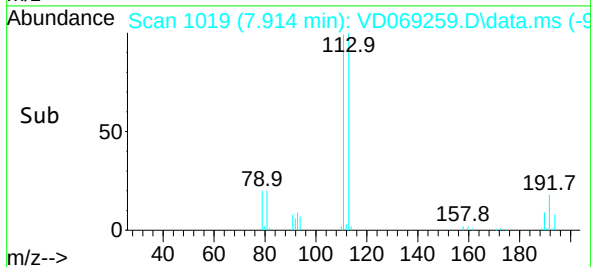
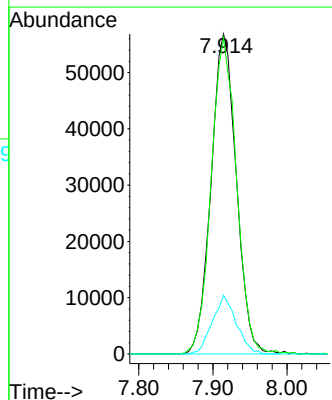
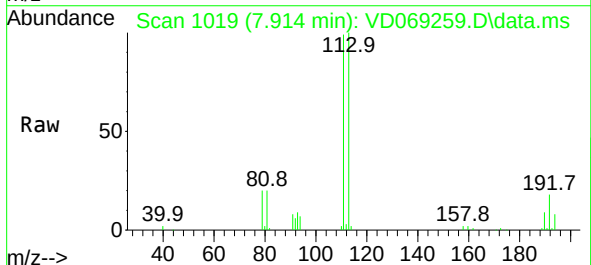
Instrument :
MSVOA_D
ClientSampleId :
MIXED-SUBBASE-GROUND-4-10-D

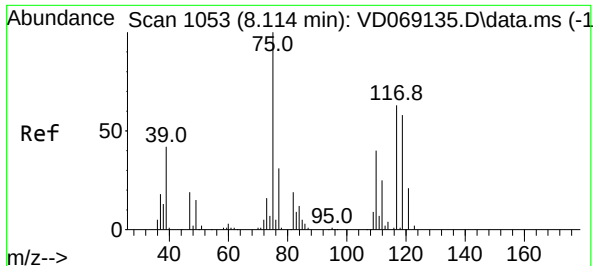
Tgt Ion:114 Resp: 363623
Ion Ratio Lower Upper
114 100
63 19.4 0.0 36.4
88 13.7 0.0 28.2



#35
Dibromofluoromethane
Concen: 56.77 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD069259.D
Acq: 24 May 2021 16:47

Tgt Ion:113 Resp: 134334
Ion Ratio Lower Upper
113 100
111 99.7 80.6 120.8
192 17.3 14.8 22.2

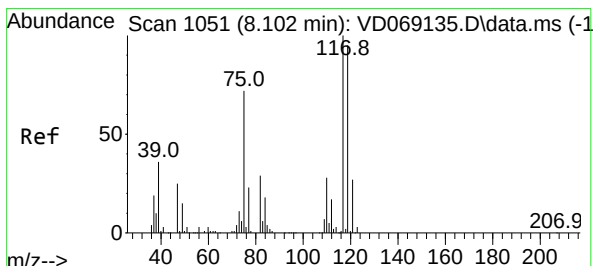
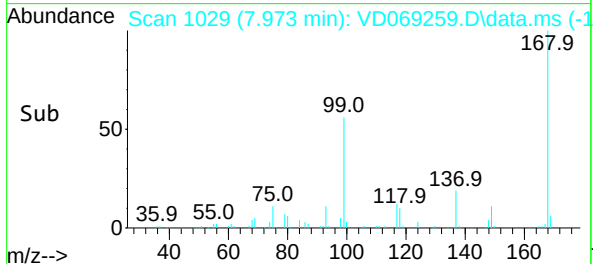
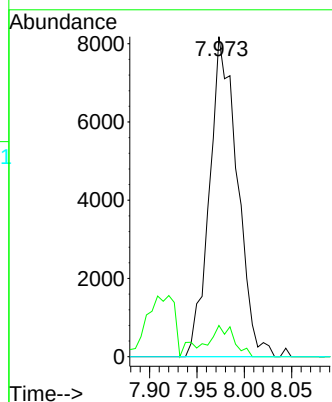
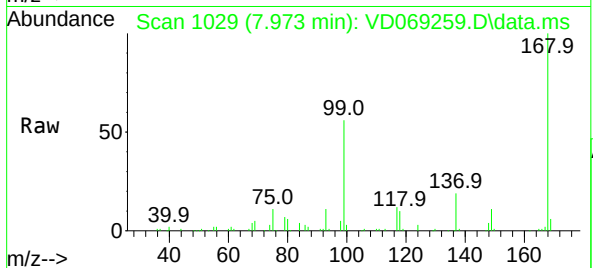




#36
1,1-Dichloropropene
Concen: 4.74 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.141 min
Lab File: VD069259.D
Acq: 24 May 2021 16:47

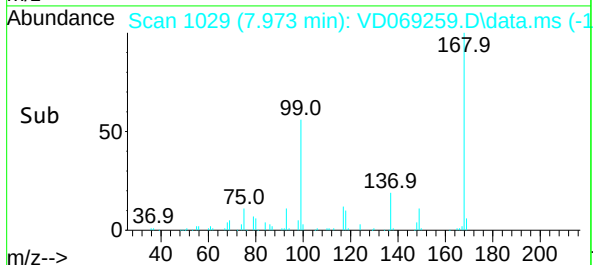
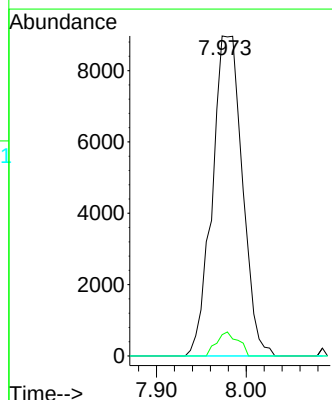
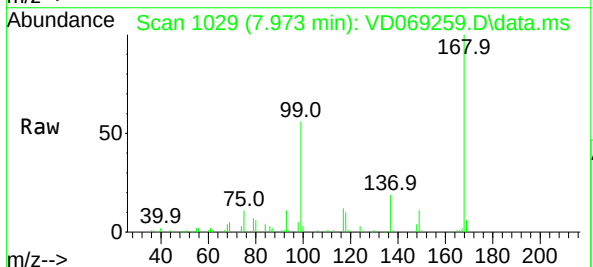
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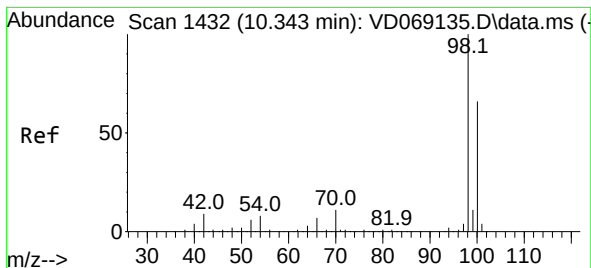
Tgt Ion: 75 Resp: 16752
Ion Ratio Lower Upper
75 100
110 8.3 18.8 56.4#
77 0.0 25.2 37.8#



#38
Carbon Tetrachloride
Concen: 5.29 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.129 min
Lab File: VD069259.D
Acq: 24 May 2021 16:47

Tgt Ion: 117 Resp: 20909
Ion Ratio Lower Upper
117 100
119 6.7 76.2 114.2#
121 0.0 21.9 32.9#

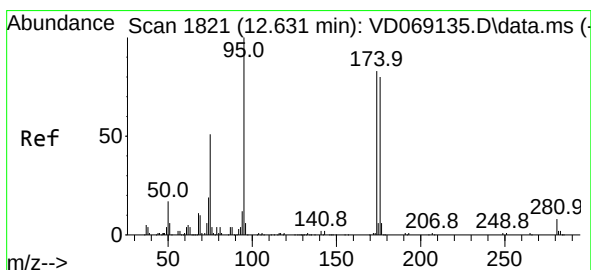
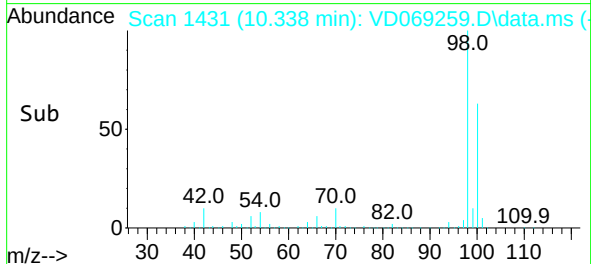
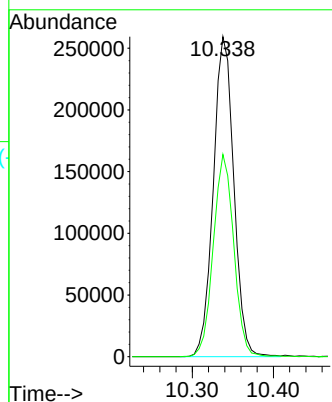
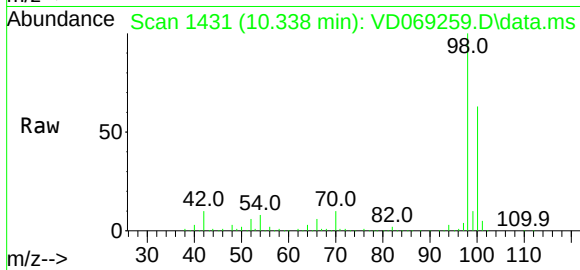




#50
Toluene-d8
Concen: 52.46 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD069259.D
Acq: 24 May 2021 16:47

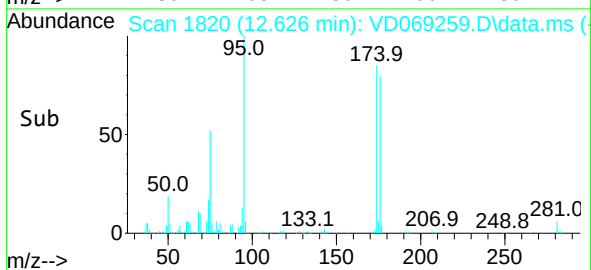
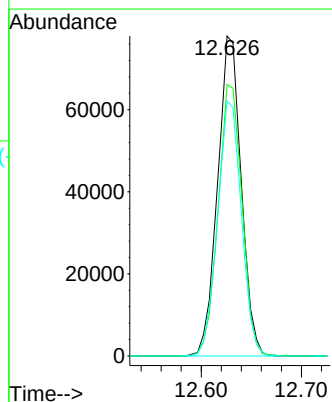
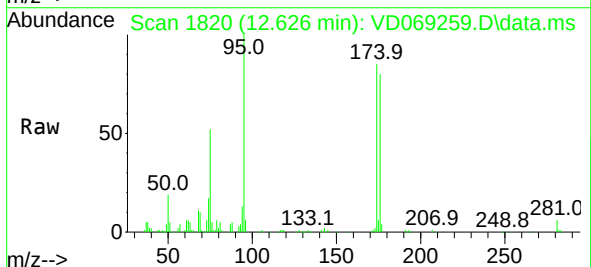
Instrument :
MSVOA_D
ClientSampleId :
MIXED-SUBBASE-GROUND-4-10-D

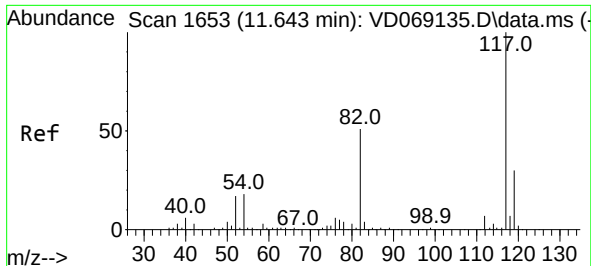
Tgt Ion: 98 Resp: 456123
Ion Ratio Lower Upper
98 100
100 63.0 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 45.44 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VD069259.D
Acq: 24 May 2021 16:47

Tgt Ion: 95 Resp: 127145
Ion Ratio Lower Upper
95 100
174 86.0 0.0 171.8
176 80.4 0.0 165.4

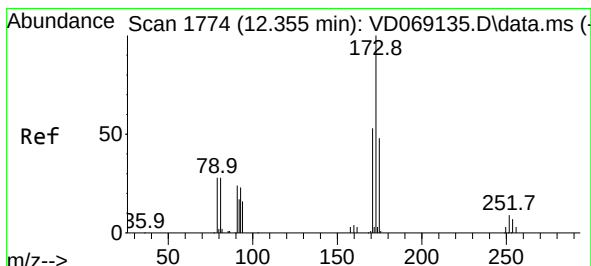
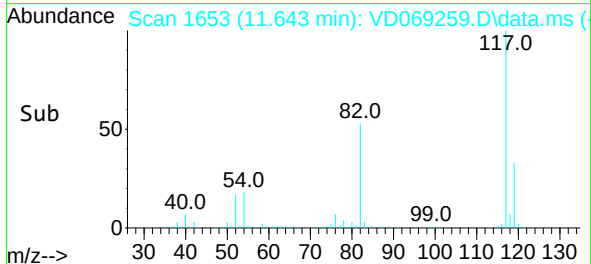
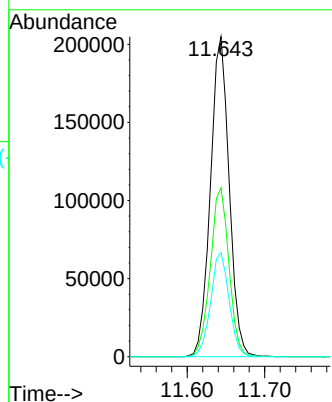
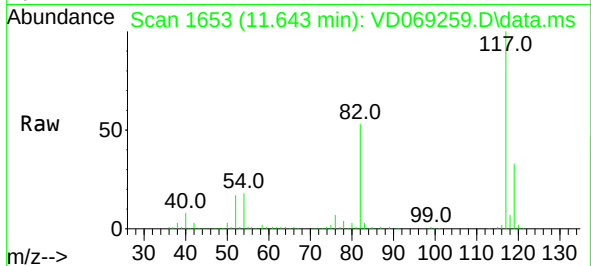




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069259.D
Acq: 24 May 2021 16:47

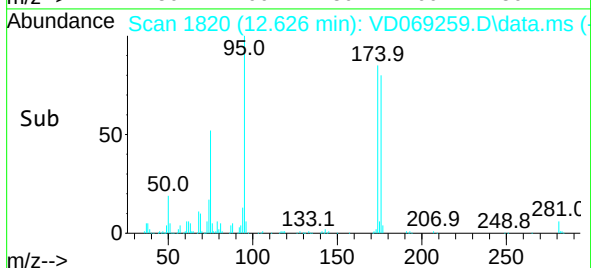
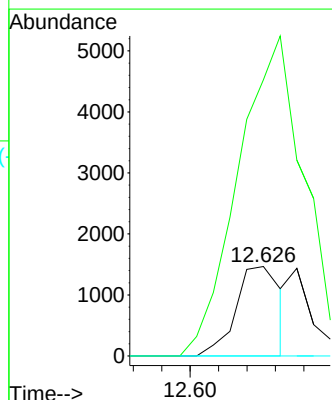
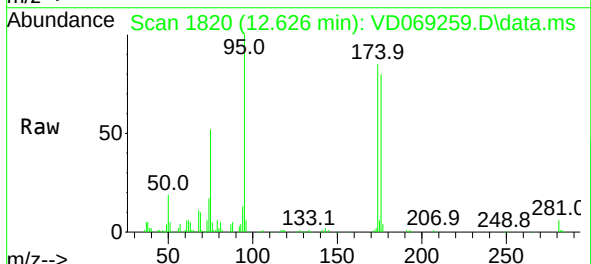
Instrument :
MSVOA_D
ClientSampleId :
MIXED-SUBBASE-GROUND-4-10-D

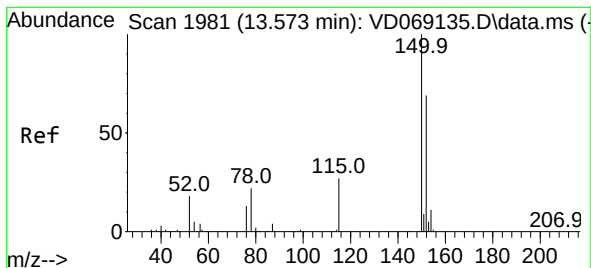
Tgt Ion:117 Resp: 343301
Ion Ratio Lower Upper
117 100
82 52.8 40.5 60.7
119 32.5 24.2 36.4



#71
Bromoform
Concen: 1.16 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069259.D
Acq: 24 May 2021 16:47

Tgt Ion:173 Resp: 1613
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0

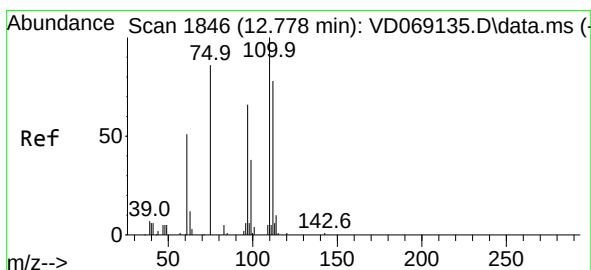
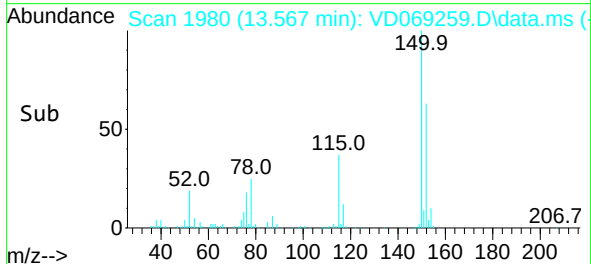
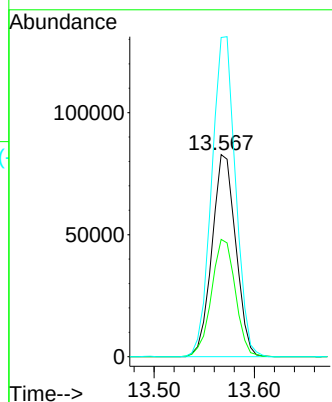
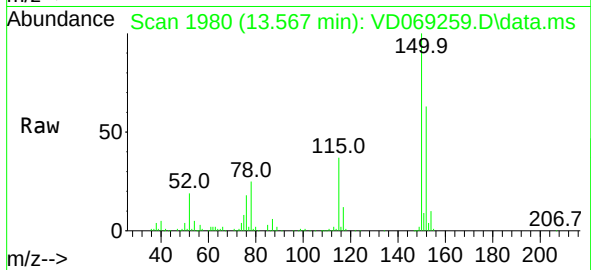




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.006 min
 Lab File: VD069259.D
 Acq: 24 May 2021 16:47

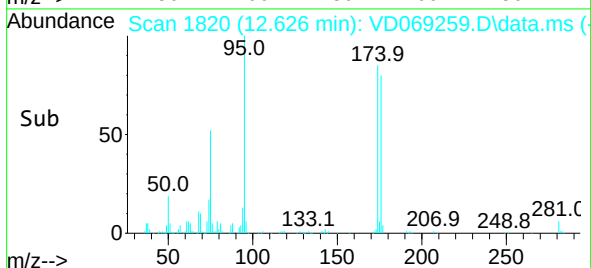
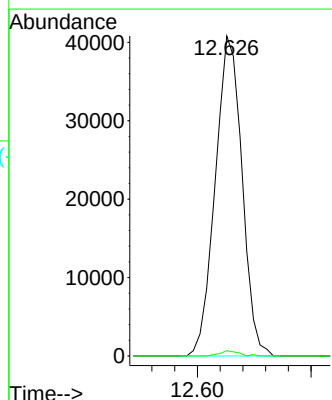
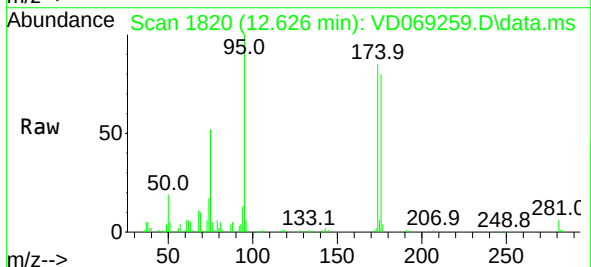
Instrument :
 MSVOA_D
 ClientSampleId :
 MIXED-SUBBASE-GROUND-4-10-D

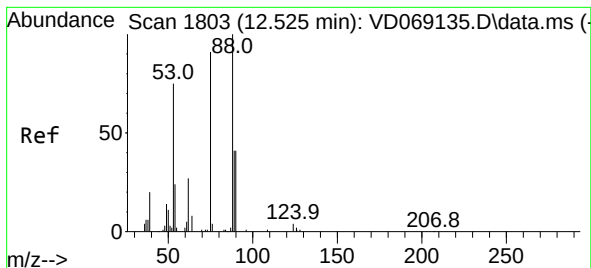
Tgt Ion:152 Resp: 136486
 Ion Ratio Lower Upper
 152 100
 115 58.4 29.9 89.8
 150 159.0 0.0 350.2



#76
 1,2,3-Trichloropropane
 Concen: 65.10 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.153 min
 Lab File: VD069259.D
 Acq: 24 May 2021 16:47

Tgt Ion: 75 Resp: 66787
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#

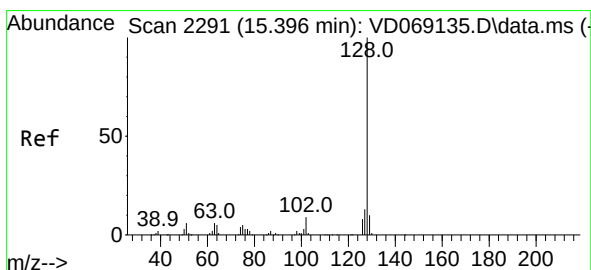
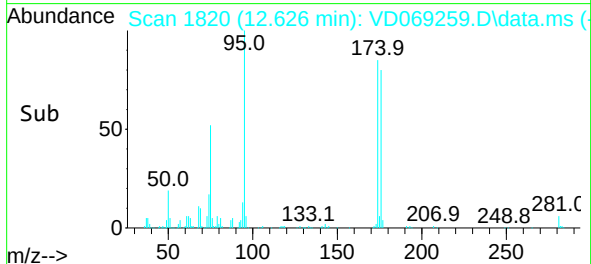
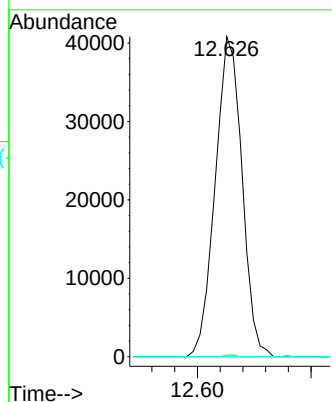
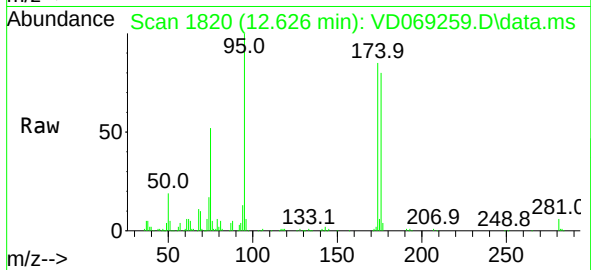




#81
trans-1,4-Dichloro-2-butene
Concen: 131.49 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069259.D
Acq: 24 May 2021 16:47

Instrument :
MSVOA_D
ClientSampleId :
MIXED-SUBBASE-GROUND-4-10-D

Tgt Ion: 75 Resp: 66787
Ion Ratio Lower Upper
75 100
53 0.2 70.0 105.0#
89 0.0 40.2 60.2#



#95
Naphthalene
Concen: 2.25 ug/l
RT: 15.408 min Scan# 2293
Delta R.T. 0.012 min
Lab File: VD069259.D
Acq: 24 May 2021 16:47

Tgt Ion: 128 Resp: 936
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

