

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052421\
 Data File : VD069262.D
 Acq On : 24 May 2021 18:13
 Operator : VA/SY
 Sample : M2489-01
 Misc : 6.58G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 359

Quant Time: May 25 00:57:32 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)

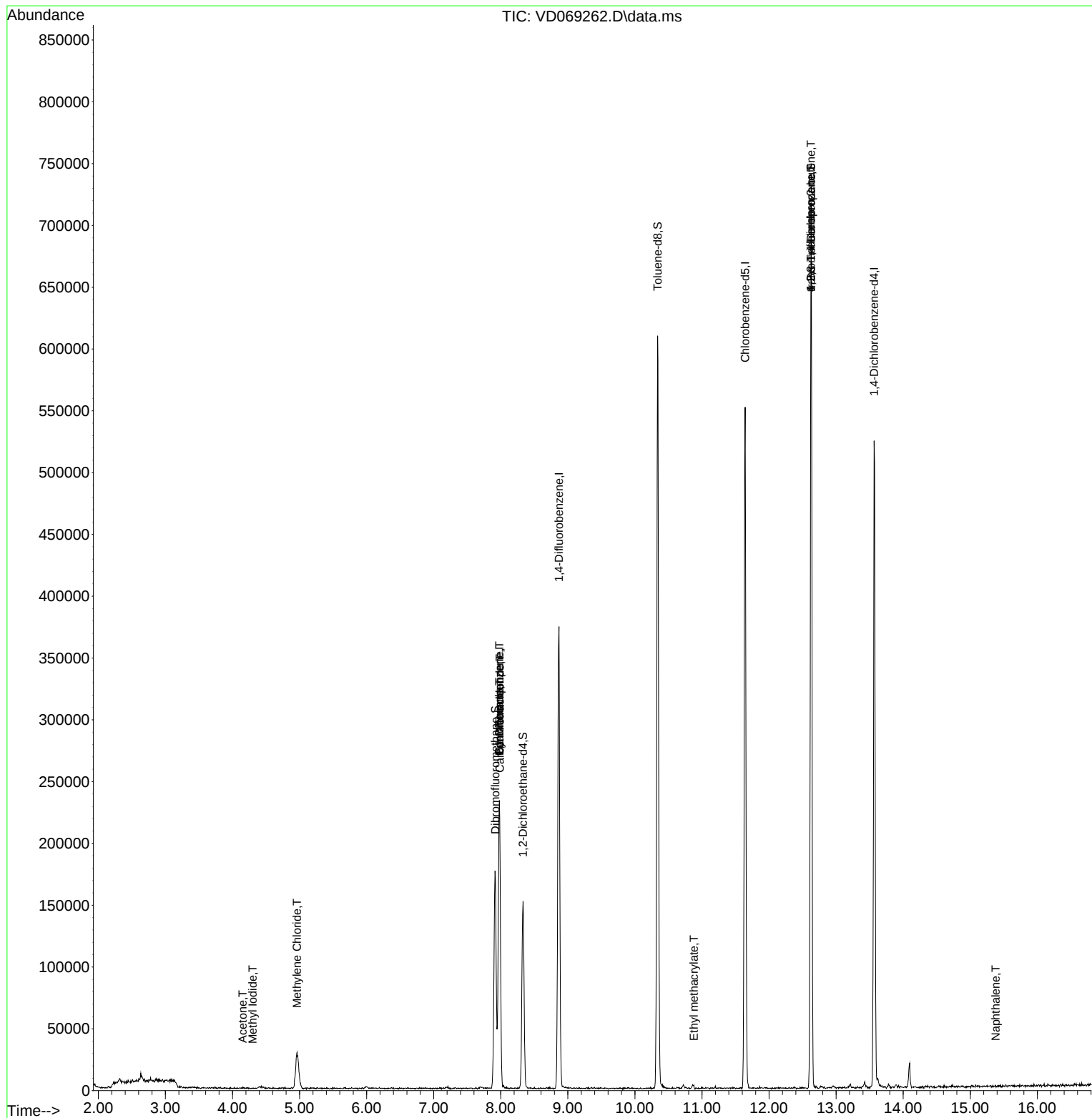
Internal Standards						
1) Pentafluorobenzene	7.979	168	170393	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	329068	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	318119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	137415	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	123537	72.32	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	144.64%
35) Dibromofluoromethane	7.920	113	124736	58.25	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	116.50%
50) Toluene-d8	10.338	98	420108	53.39	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.78%
62) 4-Bromofluorobenzene	12.626	95	137358	54.25	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	108.50%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	158	1.00	ug/l #	38
11) Tert butyl alcohol	5.232	59	116	Below Cal	#	73
16) Acetone	4.150	43	463	1.77	ug/l	92
20) Methylene Chloride	4.961	84	24344	2.88	ug/l	98
31) Cyclohexane	7.979	56	3986	1.57	ug/l #	8
36) 1,1-Dichloropropene	7.979	75	14921	4.66	ug/l #	48
38) Carbon Tetrachloride	7.985	117	17900	5.01	ug/l #	15
56) Ethyl methacrylate	10.879	69	151	1.39	ug/l #	32
76) 1,2,3-Trichloropropane	12.626	75	71933	69.64	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	71933	140.66	ug/l #	14
95) Naphthalene	15.379	128	66	2.06	ug/l #	69

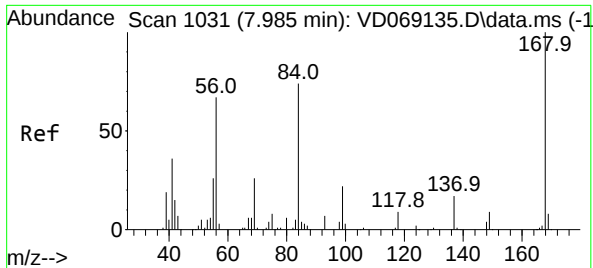
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 25 00:57:32 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

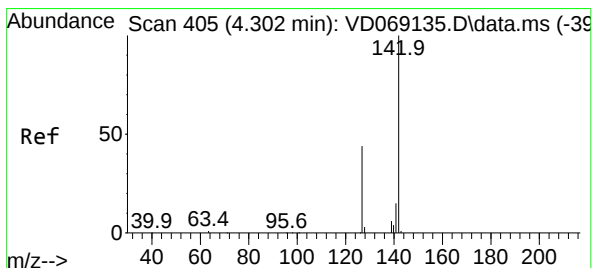
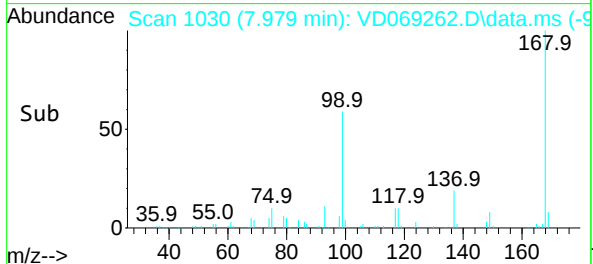
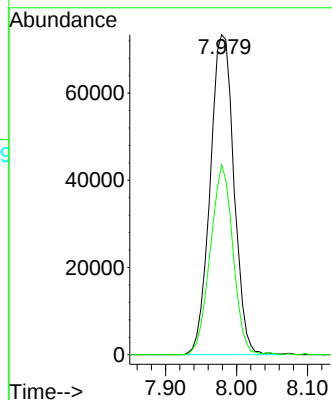
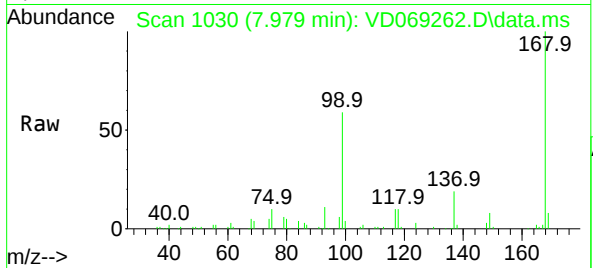




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069262.D
Acq: 24 May 2021 18:13

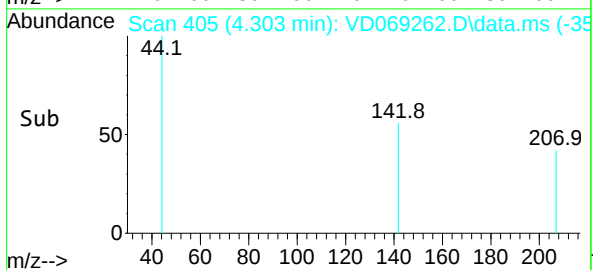
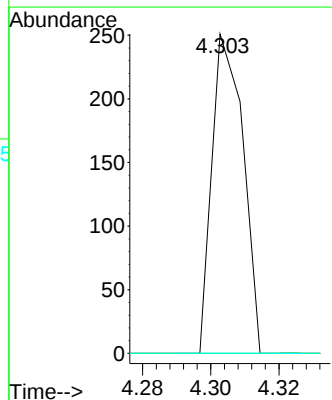
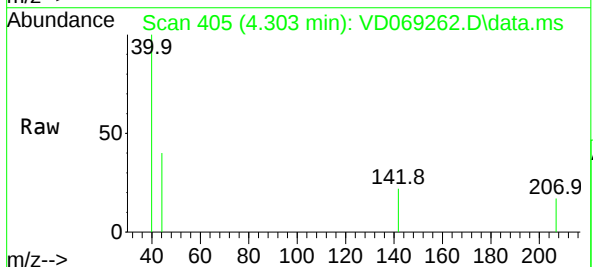
Instrument :
MSVOA_D
ClientSampleId :
359

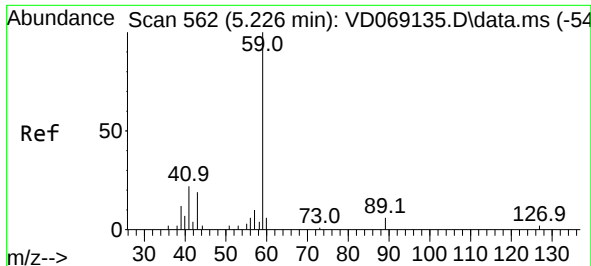
Tgt Ion:168 Resp: 170393
Ion Ratio Lower Upper
168 100
99 59.4 47.2 70.8



#10
Methyl Iodide
Concen: 1.00 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.001 min
Lab File: VD069262.D
Acq: 24 May 2021 18:13

Tgt Ion:142 Resp: 158
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 12.2 18.4#

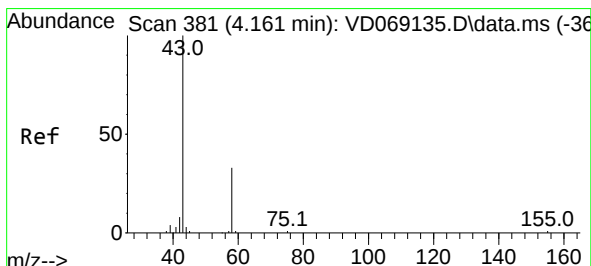
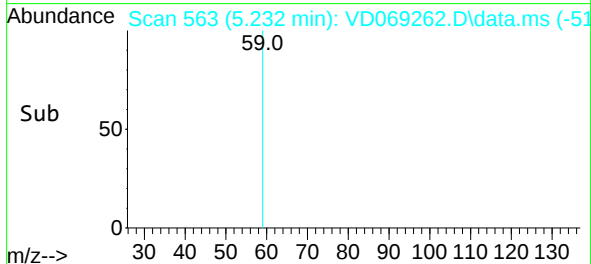
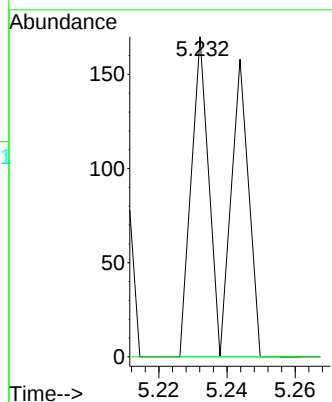
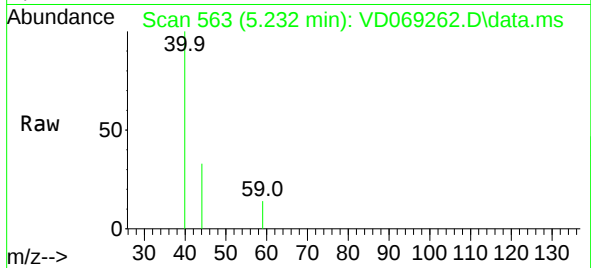




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.232 min Scan# 563
Delta R.T. 0.006 min
Lab File: VD069262.D
Acq: 24 May 2021 18:13

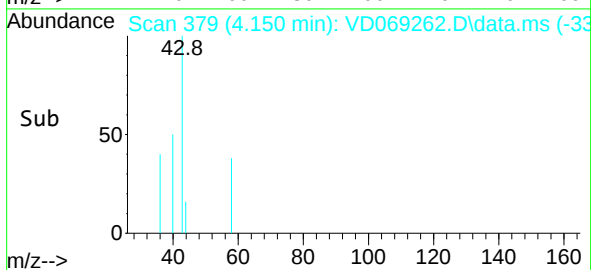
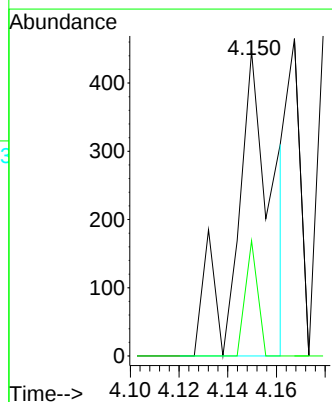
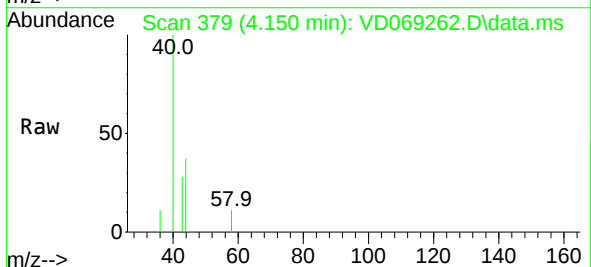
Instrument :
MSVOA_D
ClientSampleId :
359

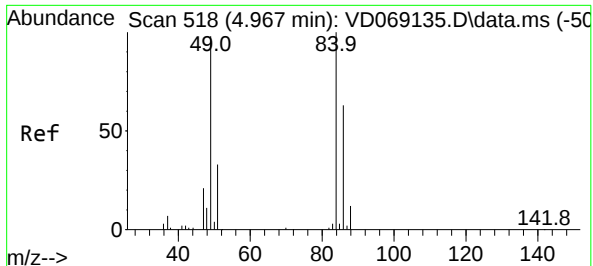
Tgt Ion: 59 Resp: 116
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 1.77 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.011 min
Lab File: VD069262.D
Acq: 24 May 2021 18:13

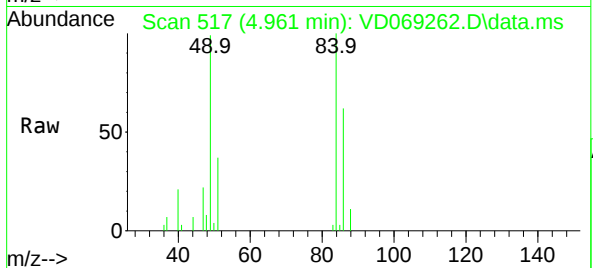
Tgt Ion: 43 Resp: 463
Ion Ratio Lower Upper
43 100
58 37.8 26.7 40.1



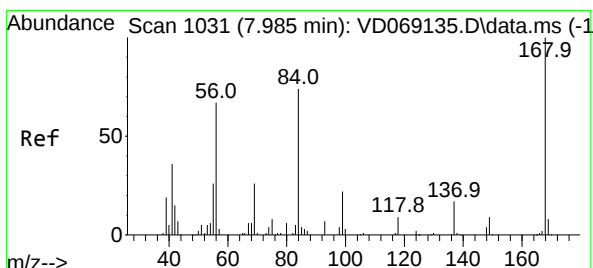
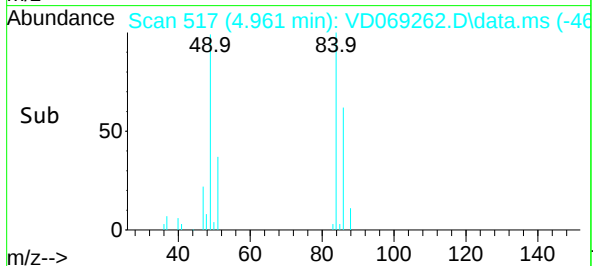
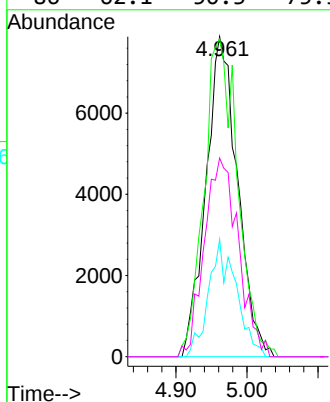


#20
Methylene Chloride
Concen: 2.88 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD069262.D
Acq: 24 May 2021 18:13

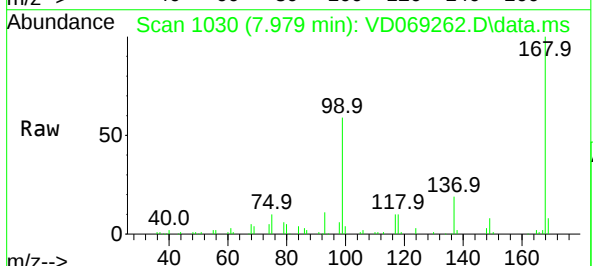
Instrument :
MSVOA_D
ClientSampleId :
359



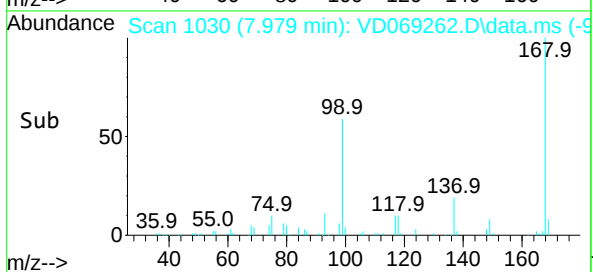
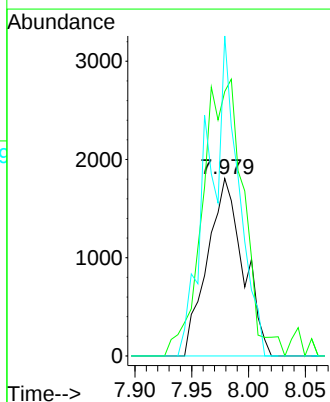
Tgt Ion:	84	Resp:	24344
Ion	Ratio	Lower	Upper
84	100		
49	99.3	78.6	117.8
51	36.6	26.7	40.1
86	62.1	50.3	75.5

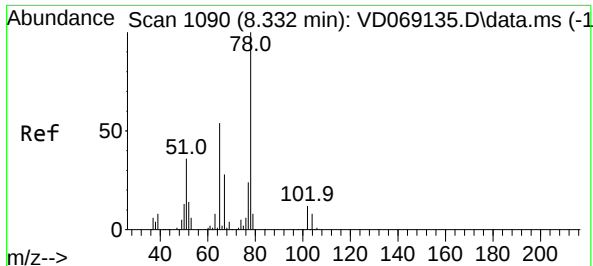


#31
Cyclohexane
Concen: 1.57 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069262.D
Acq: 24 May 2021 18:13



Tgt Ion:	56	Resp:	3986
Ion	Ratio	Lower	Upper
56	100		
69	138.2	30.6	46.0#
84	180.4	88.0	132.0#

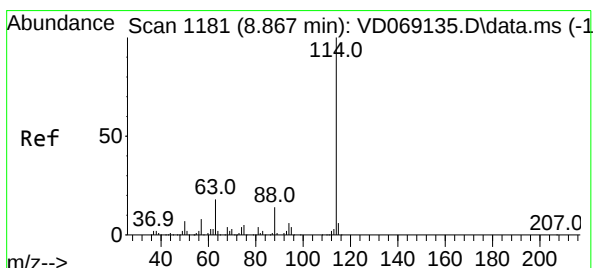
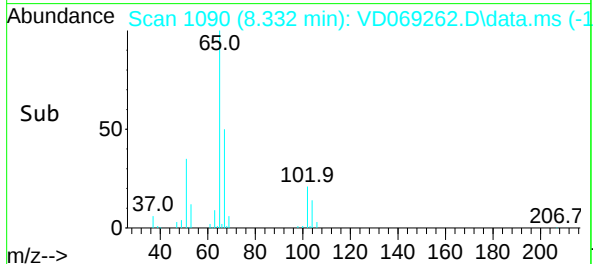
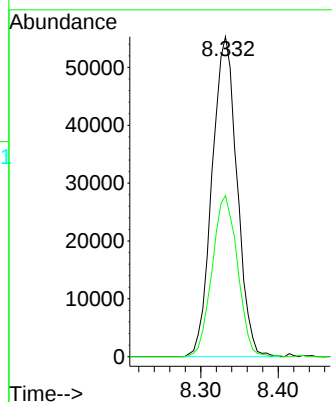
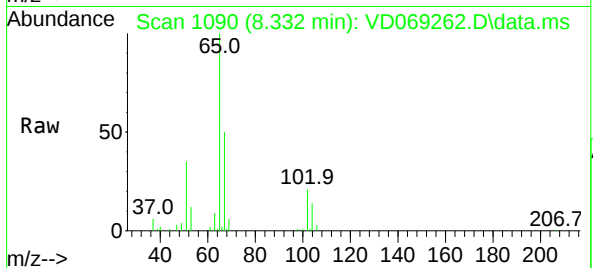




#33
1,2-Dichloroethane-d4
Concen: 72.32 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069262.D
Acq: 24 May 2021 18:13

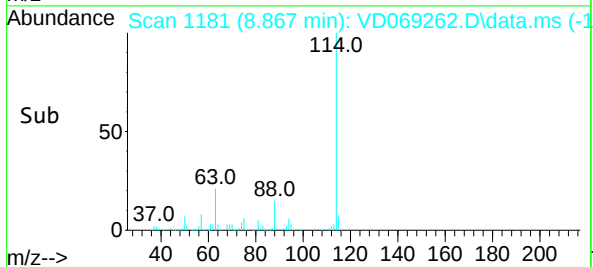
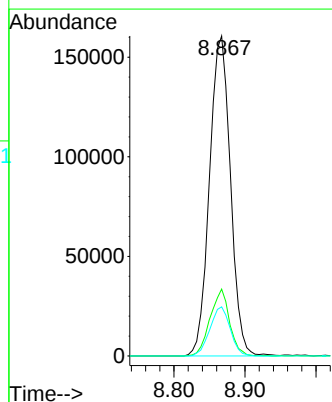
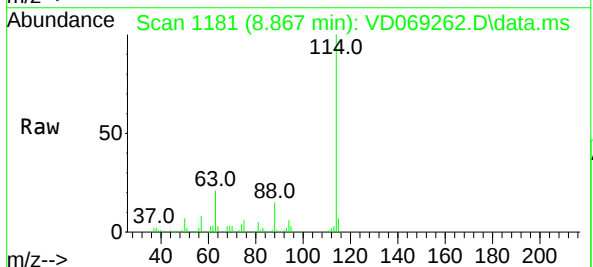
Instrument :
MSVOA_D
ClientSampleId :
359

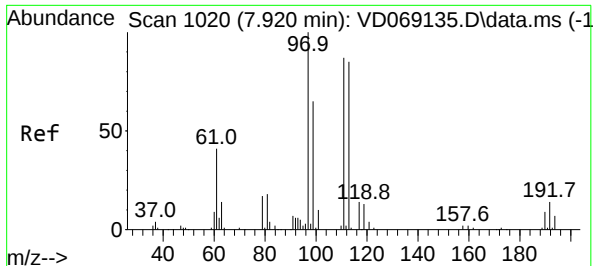
Tgt Ion: 65 Resp: 123537
Ion Ratio Lower Upper
65 100
67 51.1 0.0 108.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069262.D
Acq: 24 May 2021 18:13

Tgt Ion: 114 Resp: 329068
Ion Ratio Lower Upper
114 100
63 20.9 0.0 36.4
88 15.4 0.0 28.2





#35

Dibromofluoromethane

Concen: 58.25 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD069262.D

Acq: 24 May 2021 18:13

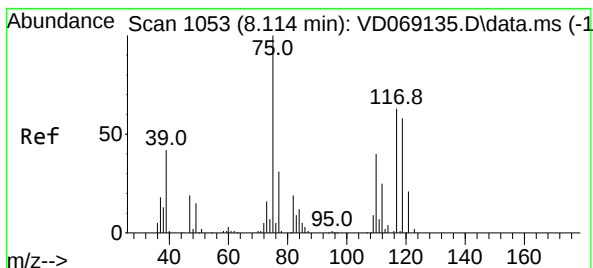
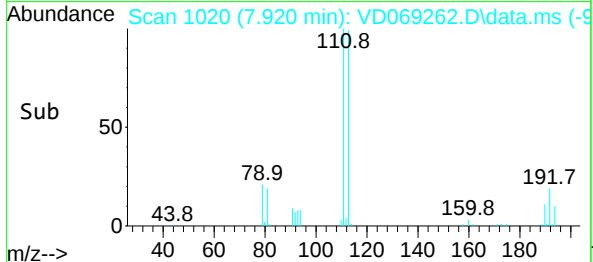
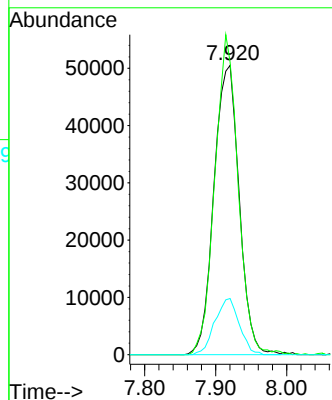
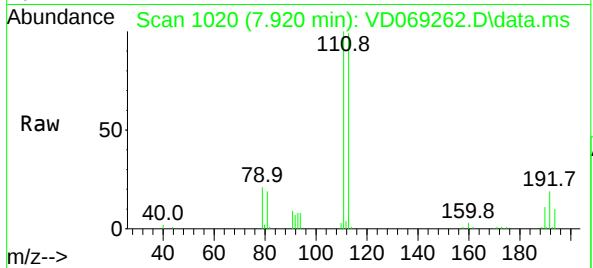
Tgt Ion: 113 Resp: 124736

Ion Ratio Lower Upper

113 100

111 102.1 80.6 120.8

192 18.8 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: VD069262.D

Acq: 24 May 2021 18:13

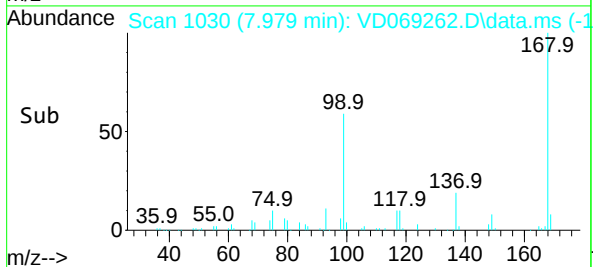
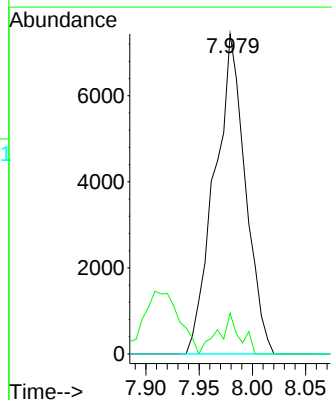
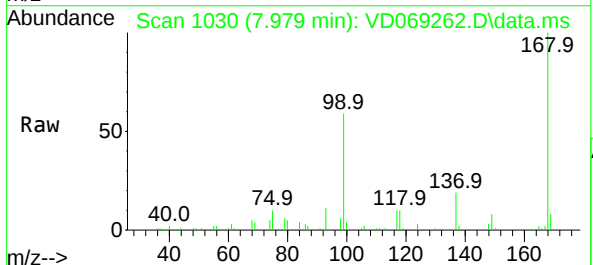
Tgt Ion: 75 Resp: 14921

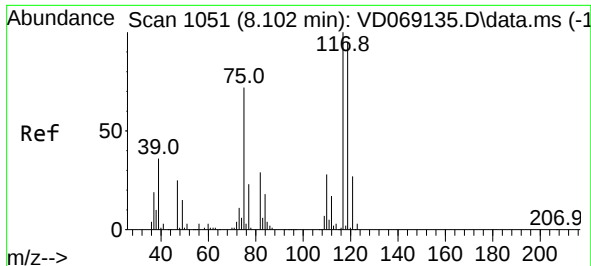
Ion Ratio Lower Upper

75 100

110 8.8 18.8 56.4#

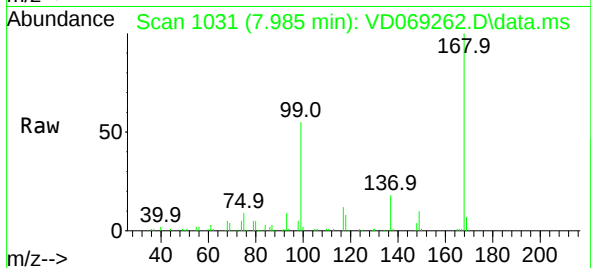
77 0.0 25.2 37.8#



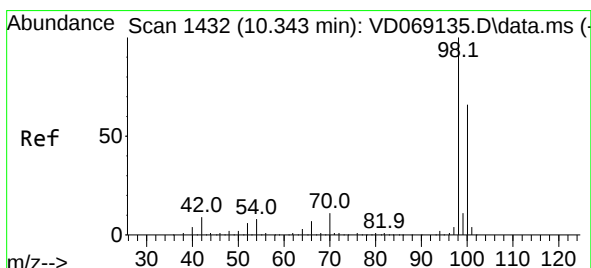
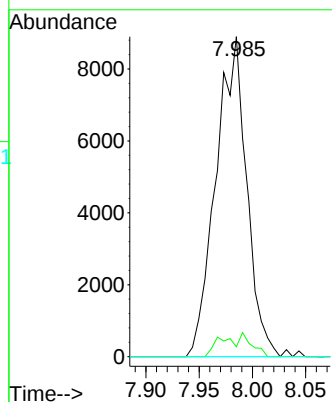
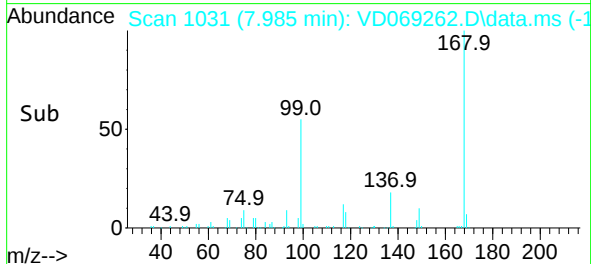


#38
Carbon Tetrachloride
Concen: 5.01 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.117 min
Lab File: VD069262.D
Acq: 24 May 2021 18:13

Instrument :
MSVOA_D
ClientSampled :
359

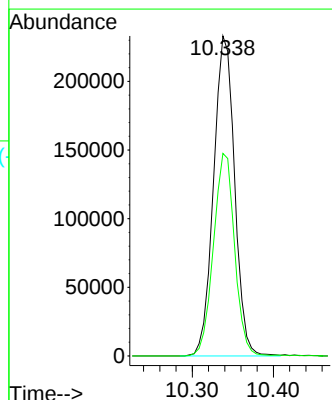
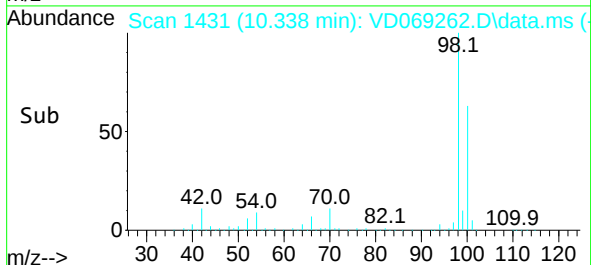
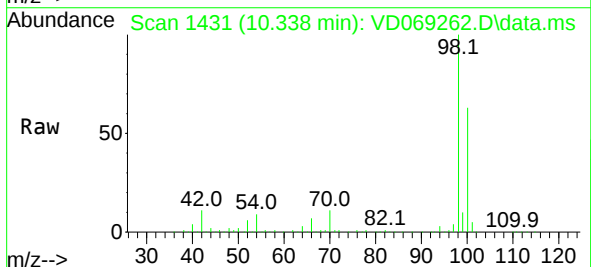


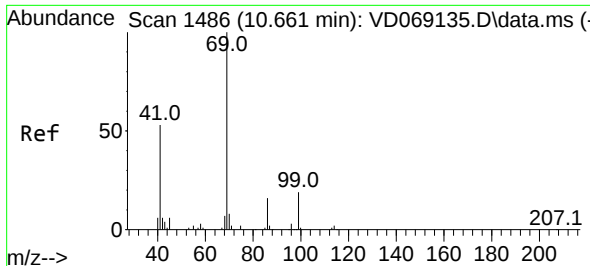
Tgt Ion:117 Resp: 17900
Ion Ratio Lower Upper
117 100
119 3.1 76.2 114.2#
121 0.0 21.9 32.9#



#50
Toluene-d8
Concen: 53.39 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD069262.D
Acq: 24 May 2021 18:13

Tgt Ion: 98 Resp: 420108
Ion Ratio Lower Upper
98 100
100 63.6 51.8 77.8

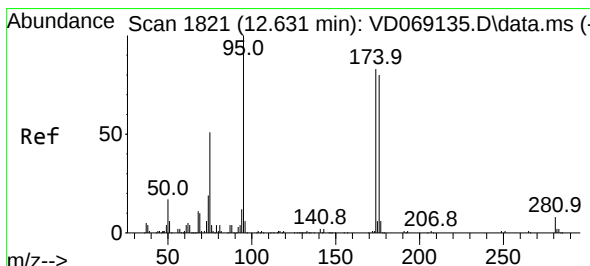
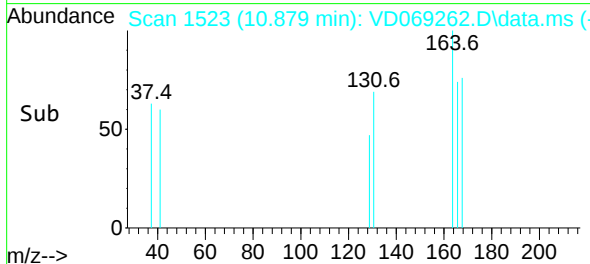
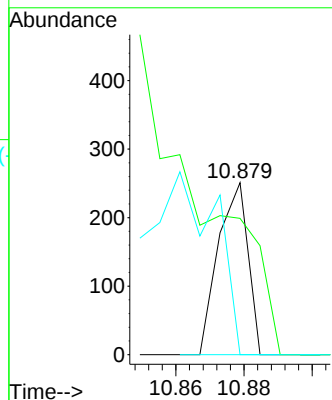
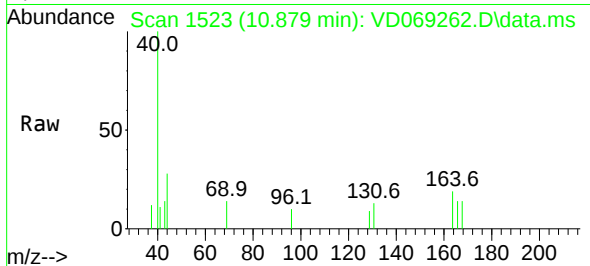




#56
Ethyl methacrylate
Concen: 1.39 ug/l
RT: 10.879 min Scan# 1523
Delta R.T. 0.218 min
Lab File: VD069262.D
Acq: 24 May 2021 18:13

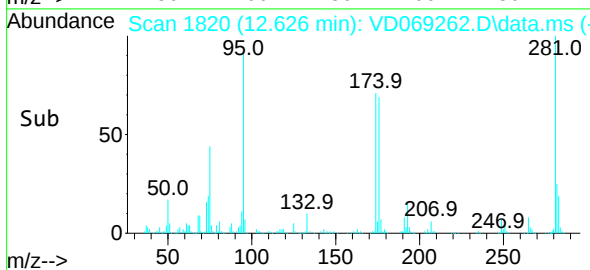
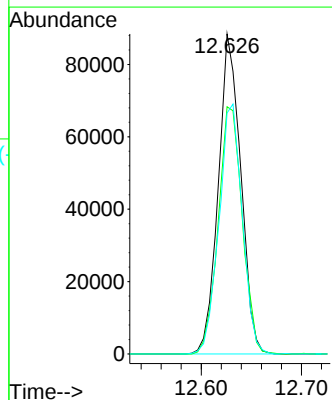
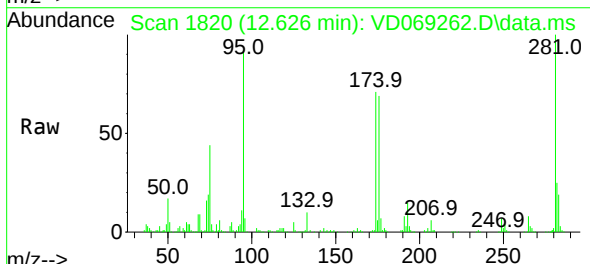
Instrument :
MSVOA_D
ClientSampled :
359

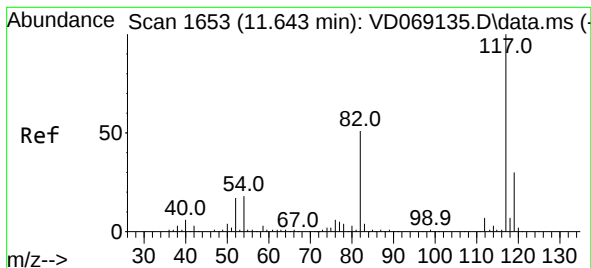
Tgt Ion: 69 Resp: 151
Ion Ratio Lower Upper
69 100
41 0.0 42.2 63.2#
39 0.0 26.3 39.5#



#62
4-Bromofluorobenzene
Concen: 54.25 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VD069262.D
Acq: 24 May 2021 18:13

Tgt Ion: 95 Resp: 137358
Ion Ratio Lower Upper
95 100
174 82.7 0.0 171.8
176 81.0 0.0 165.4

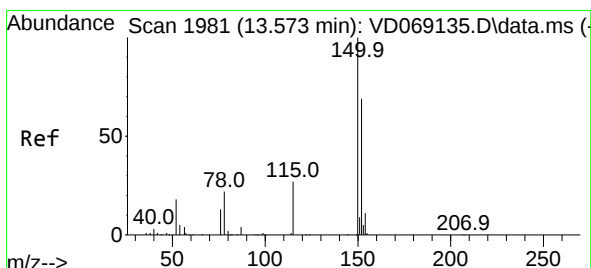
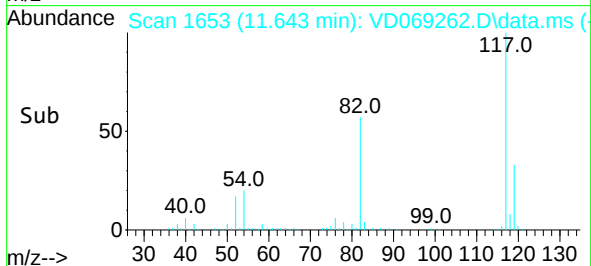
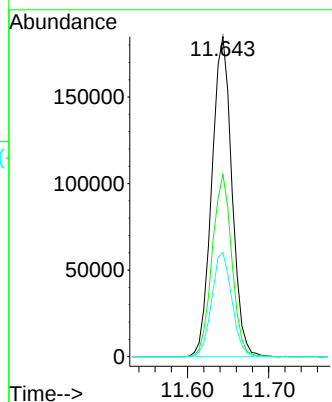
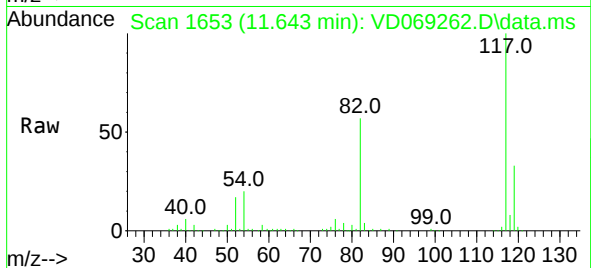




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069262.D
Acq: 24 May 2021 18:13

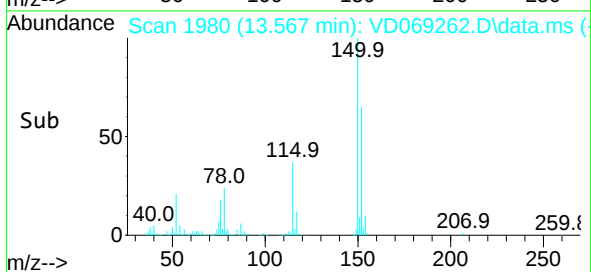
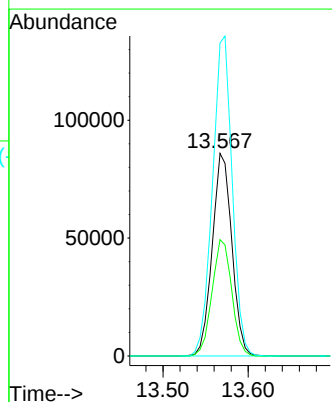
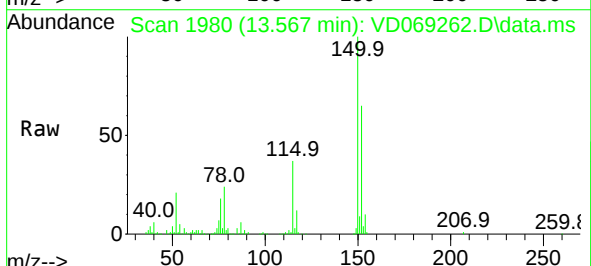
Instrument :
MSVOA_D
ClientSampleId :
359

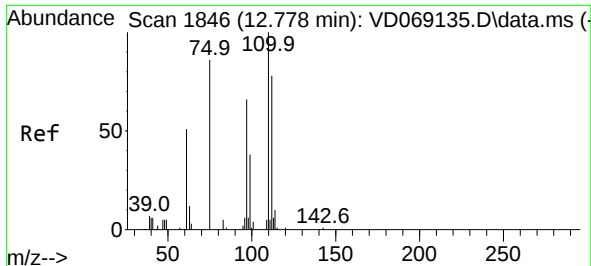
Tgt Ion:117 Resp: 318119
Ion Ratio Lower Upper
117 100
82 56.9 40.5 60.7
119 32.6 24.2 36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD069262.D
Acq: 24 May 2021 18:13

Tgt Ion:152 Resp: 137415
Ion Ratio Lower Upper
152 100
115 57.6 29.9 89.8
150 158.3 0.0 350.2

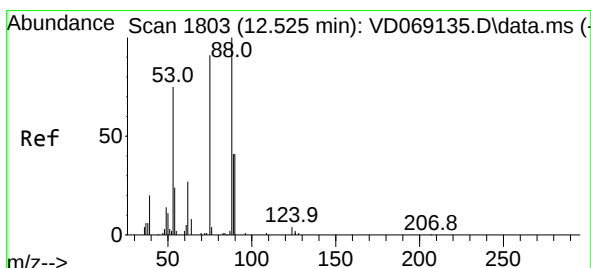
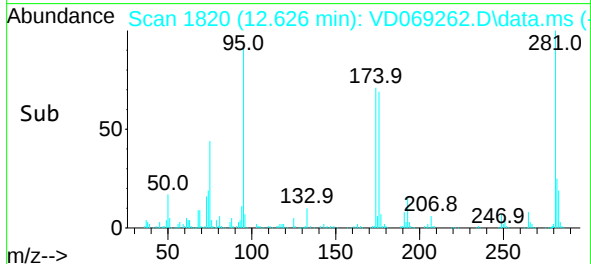
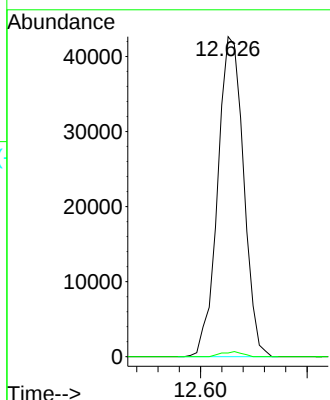
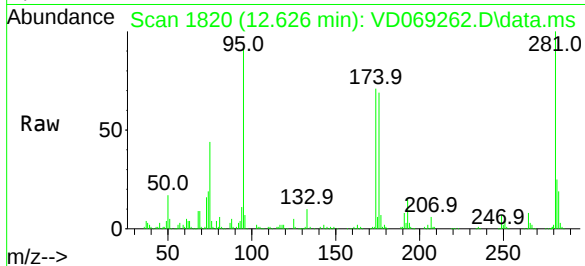




#76
1,2,3-Trichloropropane
Concen: 69.64 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069262.D
Acq: 24 May 2021 18:13

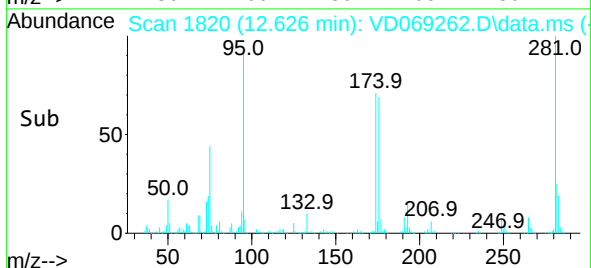
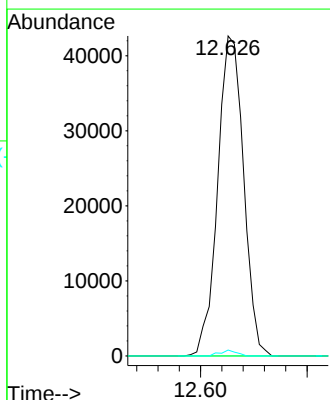
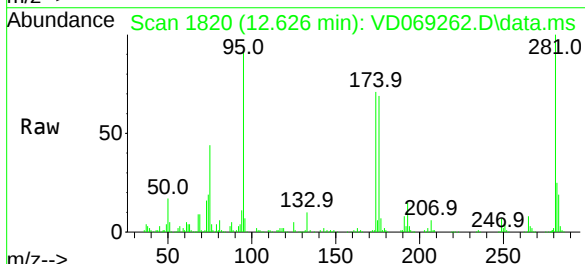
Instrument :
MSVOA_D
ClientSampleId :
359

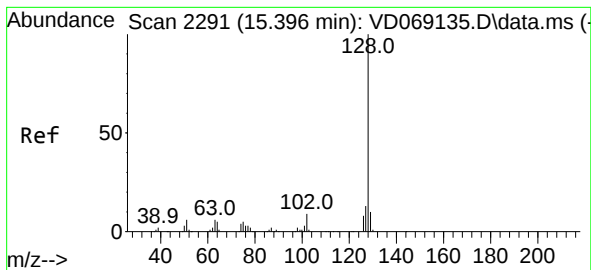
Tgt Ion: 75 Resp: 71933
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 140.66 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069262.D
Acq: 24 May 2021 18:13

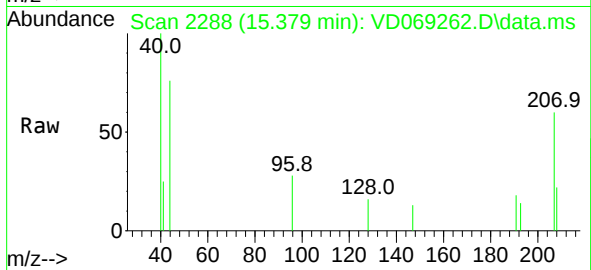
Tgt Ion: 75 Resp: 71933
Ion Ratio Lower Upper
75 100
53 0.0 70.0 105.0#
89 1.2 40.2 60.2#





#95
Naphthalene
Concen: 2.06 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.017 min
Lab File: VD069262.D
Acq: 24 May 2021 18:13

Instrument :
MSVOA_D
ClientSampleId :
359



Tgt Ion:	128	Resp:	66
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.9	13.3#

