

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102821\
 Data File : VD070891.D
 Acq On : 28 Oct 2021 14:30
 Operator : VA/SY
 Sample : M4375-01RE
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 29 05:23:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 27 05:34:47 2021
 Response via : Initial Calibration

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

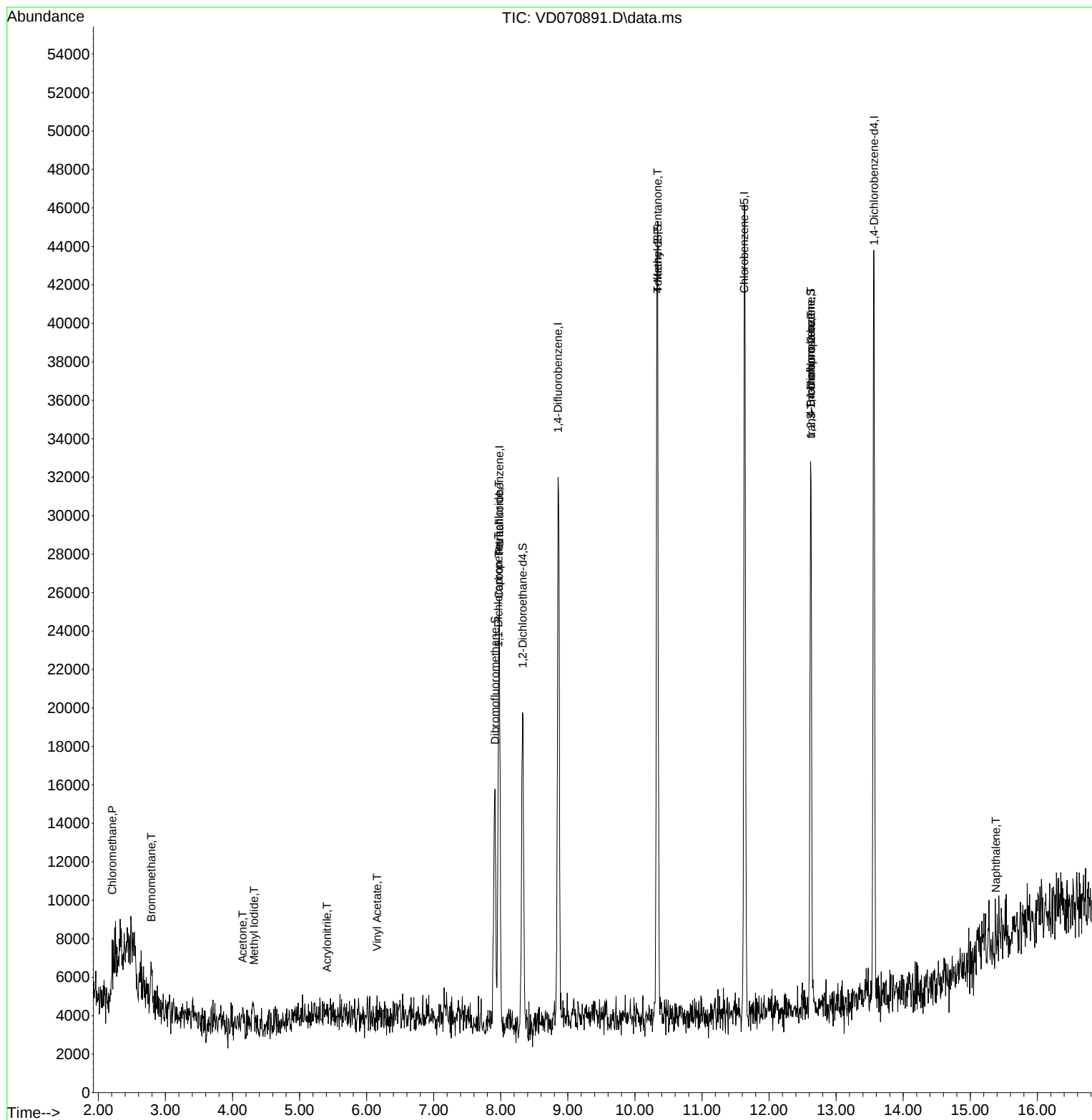
Internal Standards						
1) Pentafluorobenzene	7.979	168	16900	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.855	114	24993	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	25117	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	10857	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	12130	71.365	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 142.720%	
35) Dibromofluoromethane	7.914	113	8768	53.207	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.420%	
50) Toluene-d8	10.338	98	31048	50.080	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.160%	
62) 4-Bromofluorobenzene	12.620	95	10266	50.187	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 100.380%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.209	50	608	2.741	ug/l	# 85
5) Bromomethane	2.791	94	1808	8.411	ug/l	# 67
10) Methyl Iodide	4.320	142	1039	8.318	ug/l	# 64
15) Acrylonitrile	5.408	53	129	3.216	ug/l	# 23
16) Acetone	4.150	43	124	3.136	ug/l	# 40
20) Methylene Chloride	4.956	84	137	Below Cal	#	24
23) Vinyl Acetate	6.156	43	61	14.620	ug/l	# 72
36) 1,1-Dichloropropene	7.967	75	1364	5.216	ug/l	# 46
38) Carbon Tetrachloride	7.973	117	1512	5.750	ug/l	# 12
51) 4-Methyl-2-Pentanone	10.338	43	145	1.530	ug/l	# 25
76) 1,2,3-Trichloropropane	12.626	75	4906	45.903	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.626	75	4906	120.479	ug/l	# 18
95) Naphthalene	15.384	128	228	4.738	ug/l	# 69

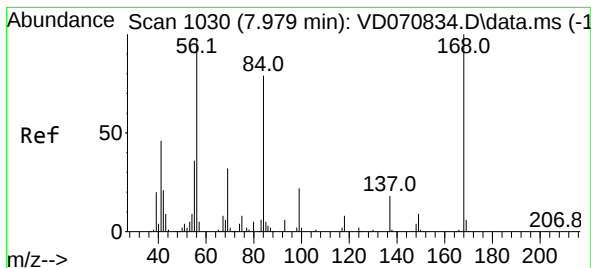
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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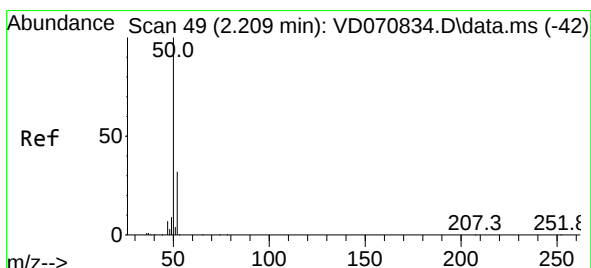
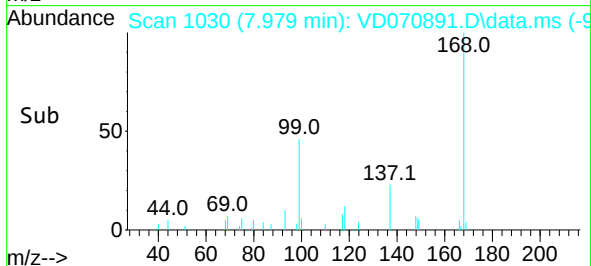
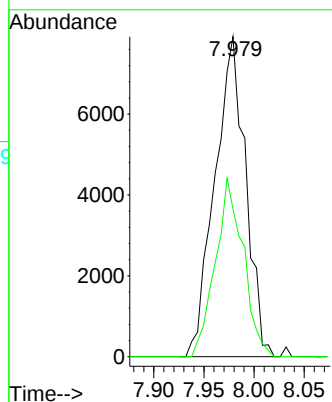
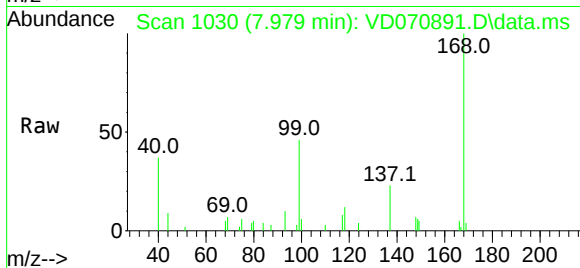




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070891.D
Acq: 28 Oct 2021 14:30

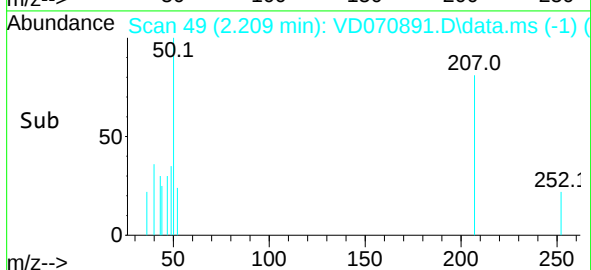
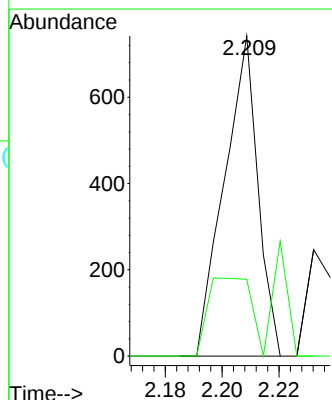
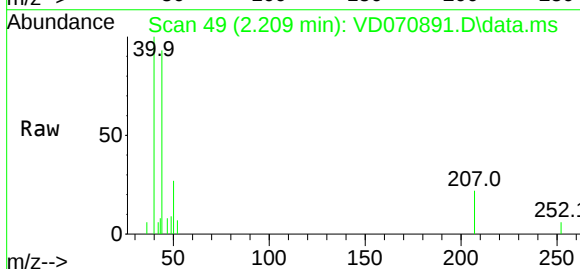
Instrument :
MSVOA_D
ClientSampleId :

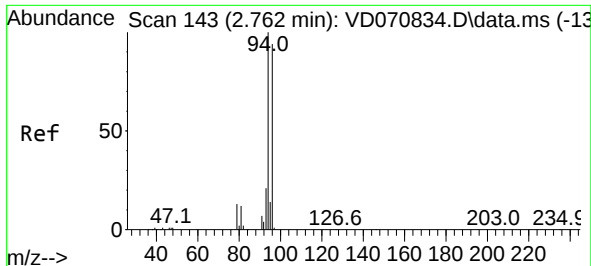
Tgt Ion:168 Resp: 16900
Ion Ratio Lower Upper
168 100
99 46.1 46.6 69.8#



#3
Chloromethane
Concen: 2.741 ug/l
RT: 2.209 min Scan# 49
Delta R.T. 0.000 min
Lab File: VD070891.D
Acq: 28 Oct 2021 14:30

Tgt Ion: 50 Resp: 608
Ion Ratio Lower Upper
50 100
52 24.0 25.8 38.8#

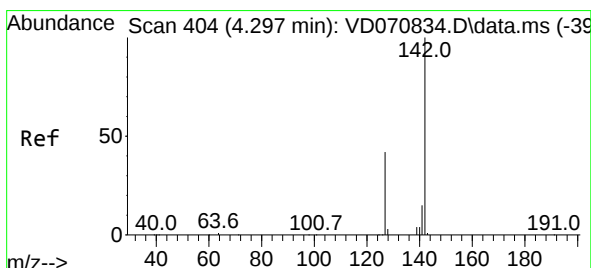
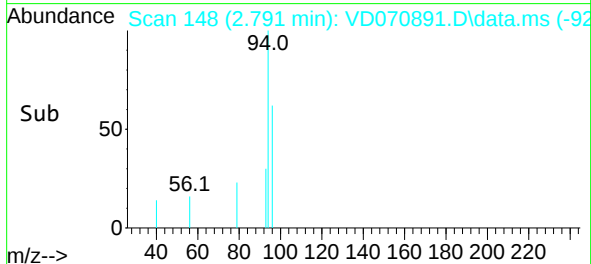
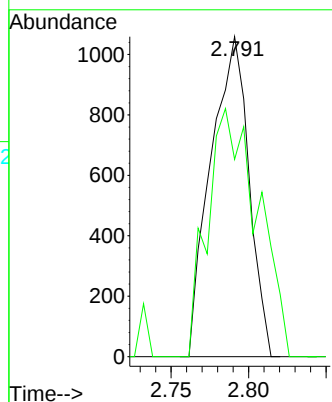
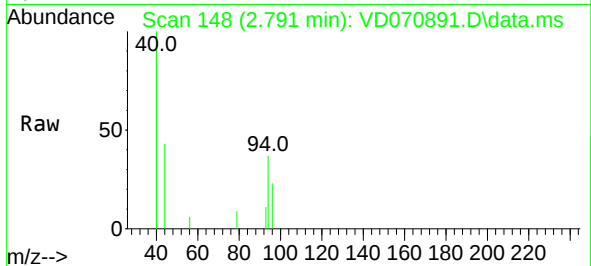




#5
Bromomethane
Concen: 8.411 ug/l
RT: 2.791 min Scan# 148
Delta R.T. 0.029 min
Lab File: VD070891.D
Acq: 28 Oct 2021 14:30

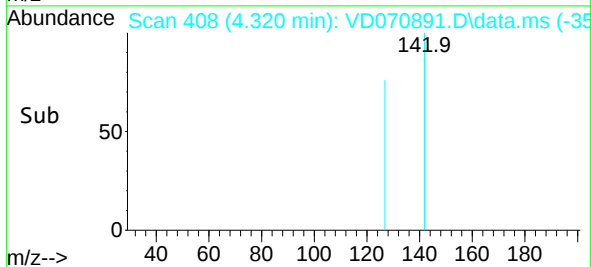
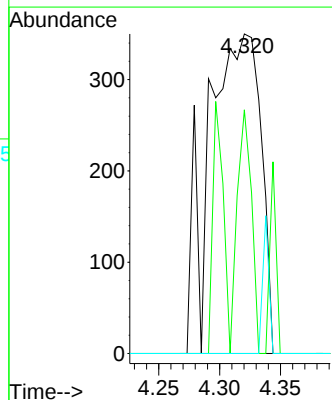
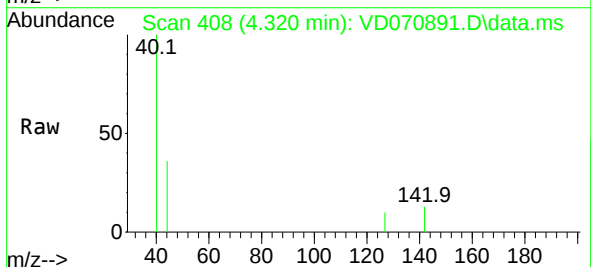
Instrument :
MSVOA_D
ClientSampled :

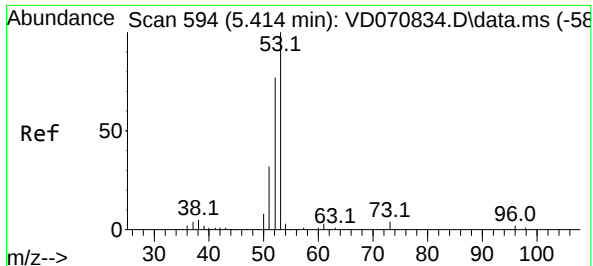
Tgt Ion: 94 Resp: 1808
Ion Ratio Lower Upper
94 100
96 61.7 74.8 112.2#



#10
Methyl Iodide
Concen: 8.318 ug/l
RT: 4.320 min Scan# 408
Delta R.T. 0.023 min
Lab File: VD070891.D
Acq: 28 Oct 2021 14:30

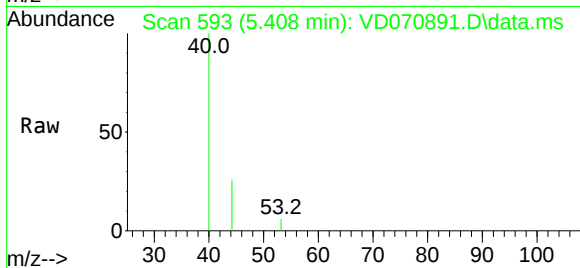
Tgt Ion:142 Resp: 1039
Ion Ratio Lower Upper
142 100
127 20.9 35.0 52.4#
141 0.0 12.0 18.0#



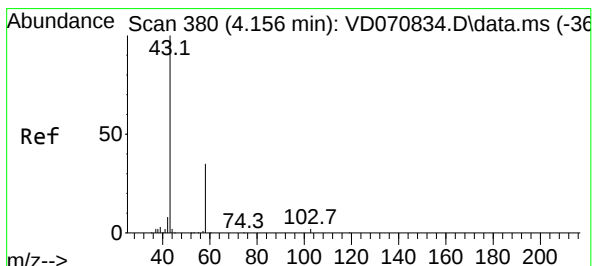
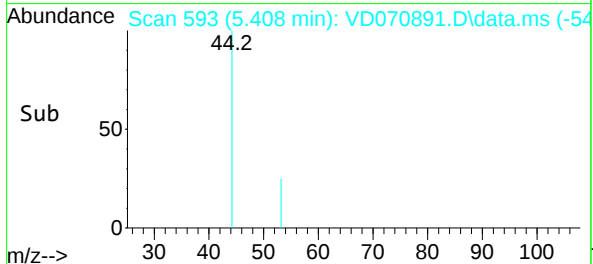
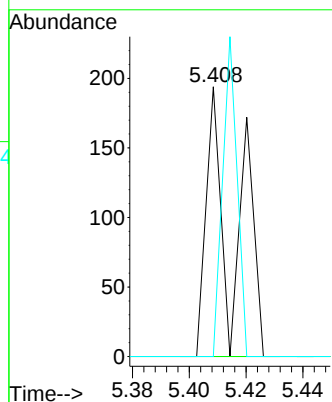


#15
Acrylonitrile
Concen: 3.216 ug/l
RT: 5.408 min Scan# 593
Delta R.T. -0.006 min
Lab File: VD070891.D
Acq: 28 Oct 2021 14:30

Instrument :
MSVOA_D
ClientSampled :

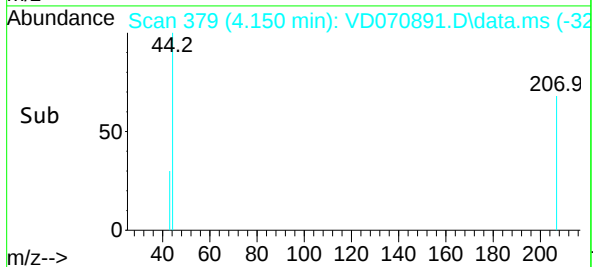
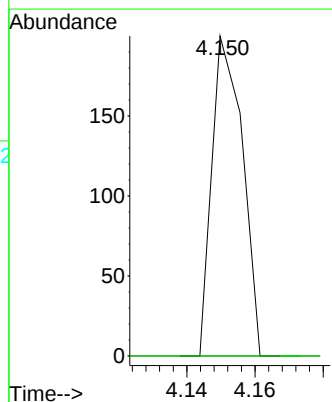
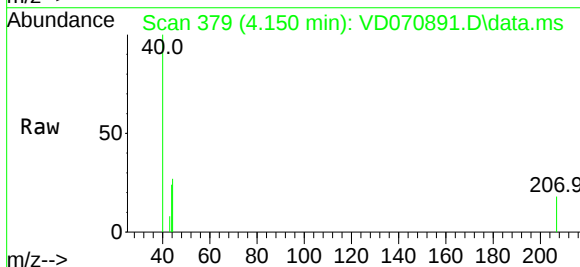


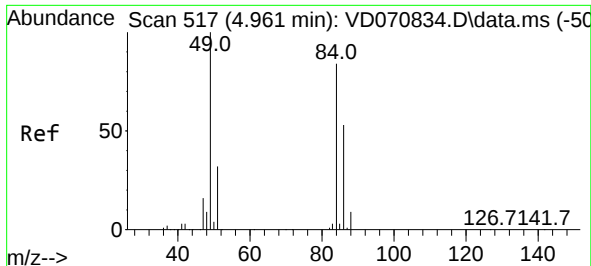
Tgt Ion: 53 Resp: 129
Ion Ratio Lower Upper
53 100
52 0.0 63.8 95.8#
51 62.8 28.5 42.7#



#16
Acetone
Concen: 3.136 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070891.D
Acq: 28 Oct 2021 14:30

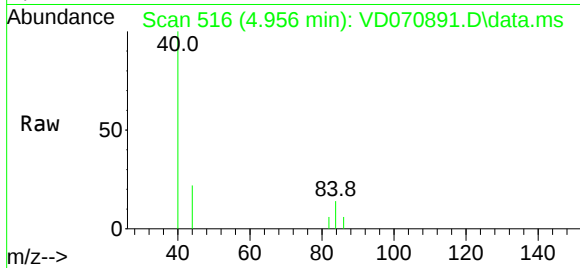
Tgt Ion: 43 Resp: 124
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



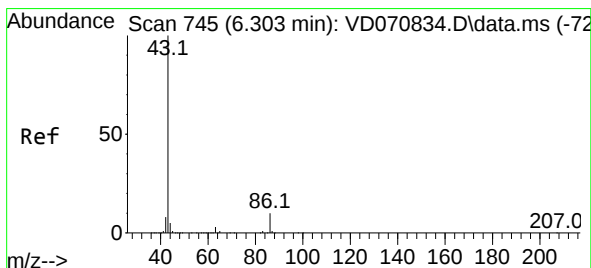
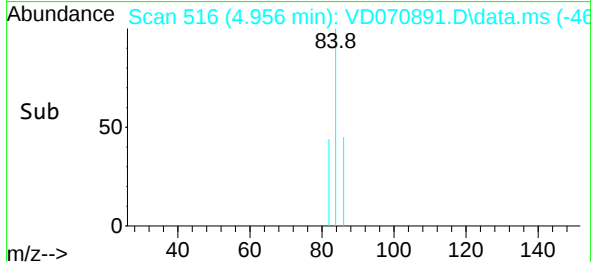
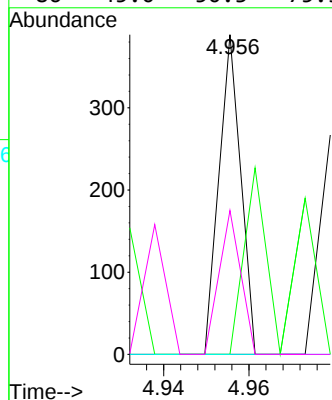


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.005 min
Lab File: VD070891.D
Acq: 28 Oct 2021 14:30

Instrument :
MSVOA_D
ClientSampleId :

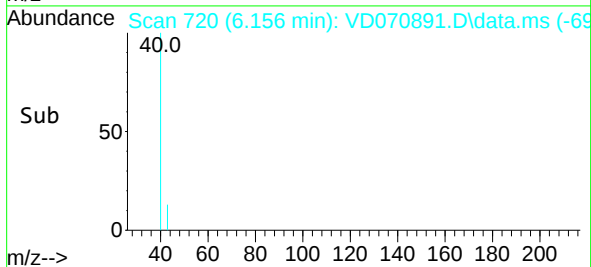
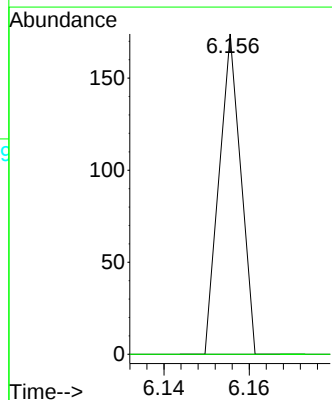
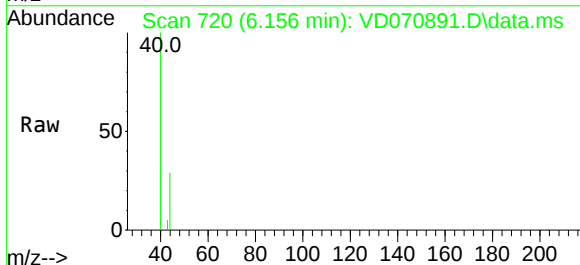


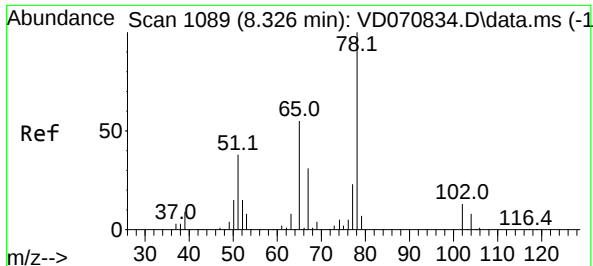
Tgt Ion:	84	Resp:	137
Ion	Ratio	Lower	Upper
84	100		
49	0.0	95.8	143.6#
51	0.0	30.9	46.3#
86	45.0	50.3	75.5#



#23
Vinyl Acetate
Concen: 14.620 ug/l
RT: 6.156 min Scan# 720
Delta R.T. -0.147 min
Lab File: VD070891.D
Acq: 28 Oct 2021 14:30

Tgt Ion:	43	Resp:	61
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4#

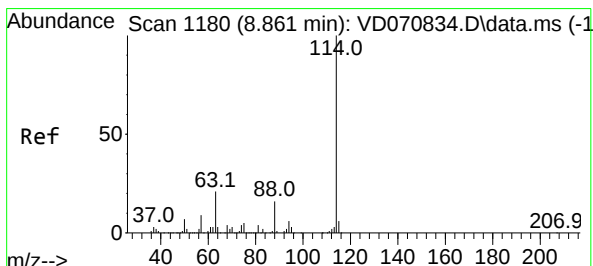
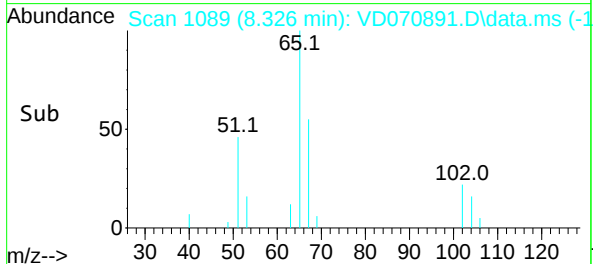
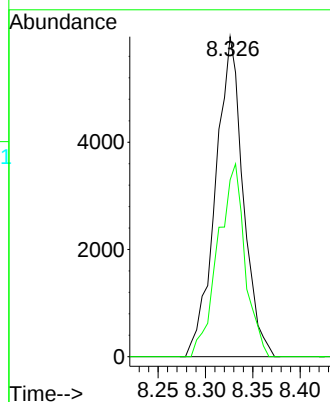
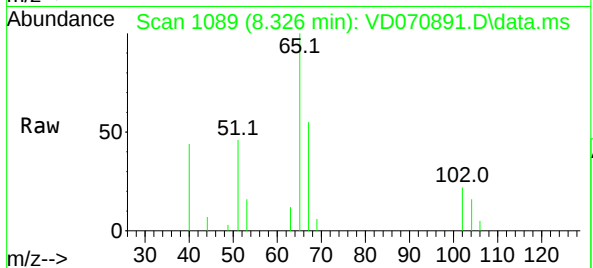




#33
1,2-Dichloroethane-d4
Concen: 71.365 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070891.D
Acq: 28 Oct 2021 14:30

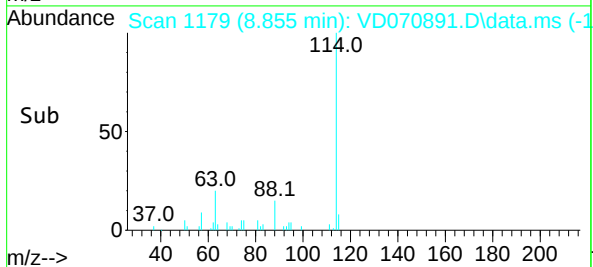
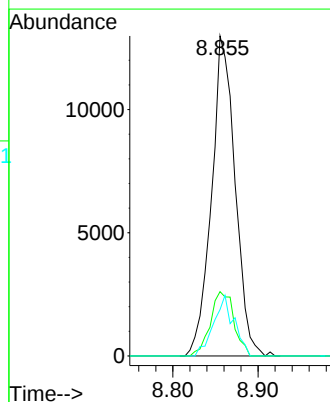
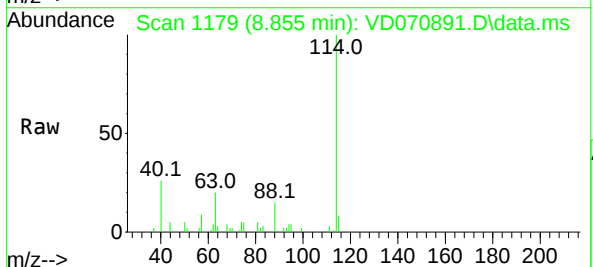
Instrument :
MSVOA_D
ClientSampled :

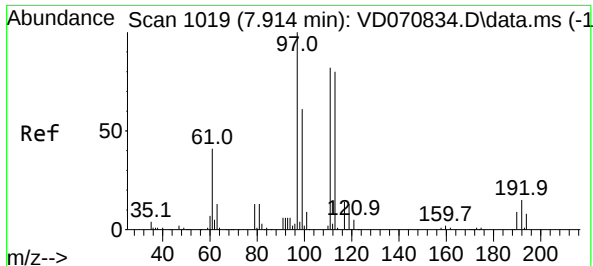
Tgt Ion: 65 Resp: 12130
Ion Ratio Lower Upper
65 100
67 59.0 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1179
Delta R.T. -0.006 min
Lab File: VD070891.D
Acq: 28 Oct 2021 14:30

Tgt Ion: 114 Resp: 24993
Ion Ratio Lower Upper
114 100
63 20.1 0.0 41.8
88 14.5 0.0 32.8





#35

Dibromofluoromethane

Concen: 53.207 ug/l

RT: 7.914 min Scan# 1019

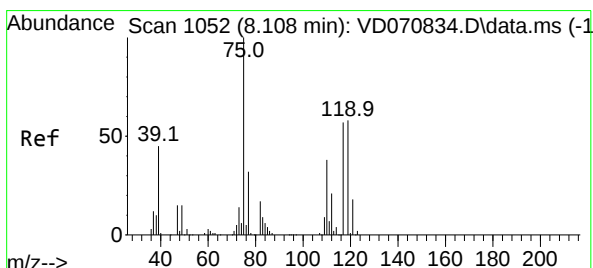
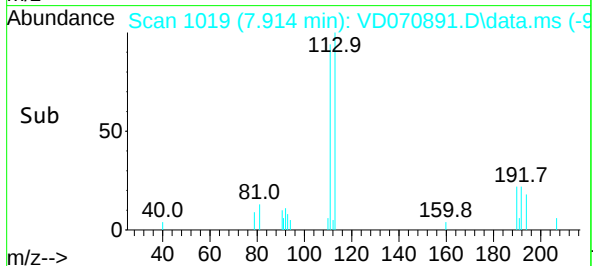
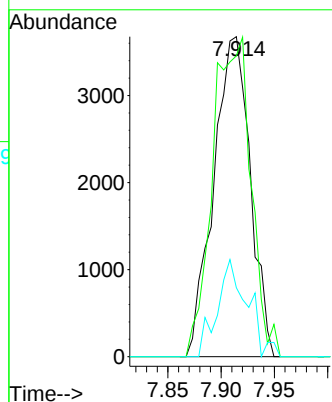
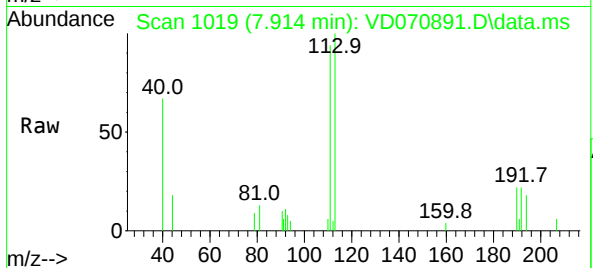
Delta R.T. 0.000 min

Lab File: VD070891.D

Acq: 28 Oct 2021 14:30

Tgt Ion:	113	Resp:	8768
Ion	Ratio	Lower	Upper
113	100		
111	104.5	82.0	123.0
192	25.3	15.2	22.8#

Instrument :
MSVOA_D
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 5.216 ug/l

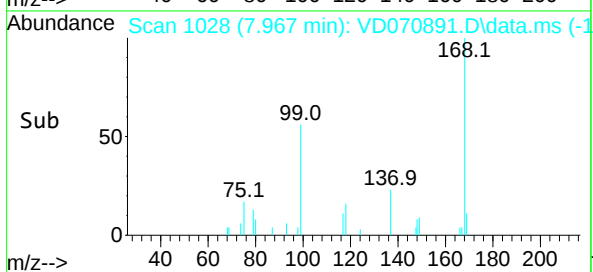
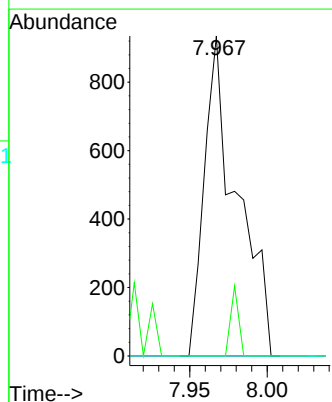
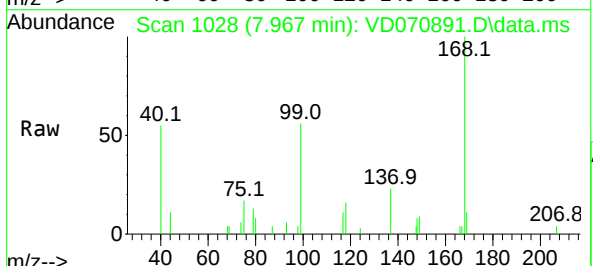
RT: 7.967 min Scan# 1028

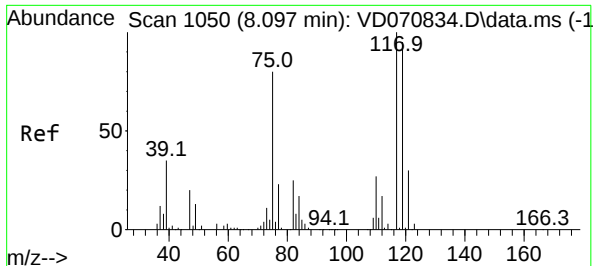
Delta R.T. -0.141 min

Lab File: VD070891.D

Acq: 28 Oct 2021 14:30

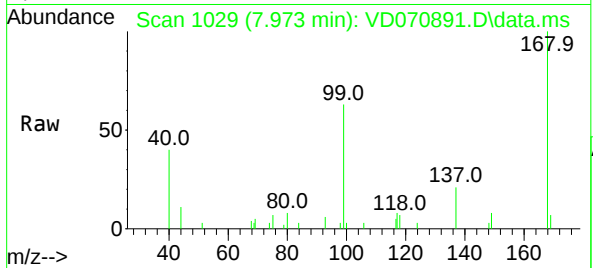
Tgt Ion:	75	Resp:	1364
Ion	Ratio	Lower	Upper
75	100		
110	5.3	17.8	53.4#
77	0.0	24.8	37.2#



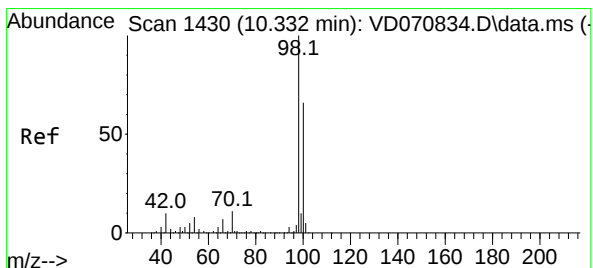
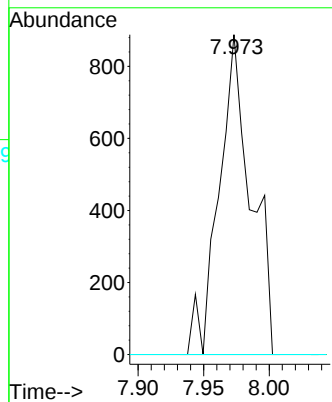
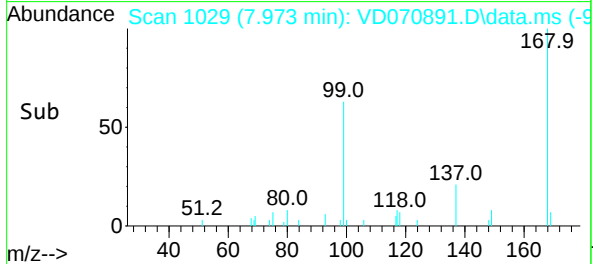


#38
Carbon Tetrachloride
Concen: 5.750 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070891.D
Acq: 28 Oct 2021 14:30

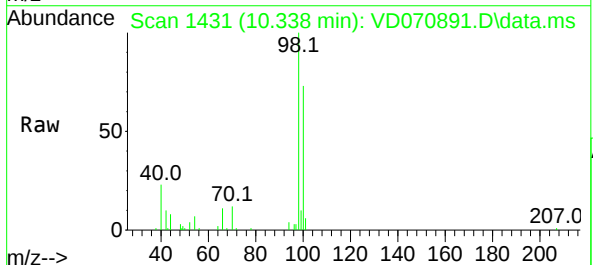
Instrument :
MSVOA_D
ClientSampleId :



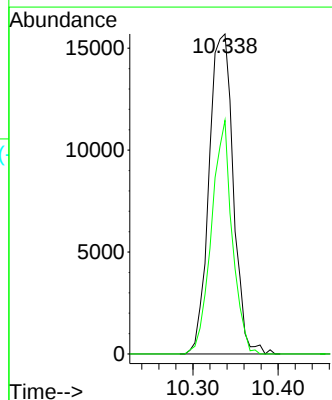
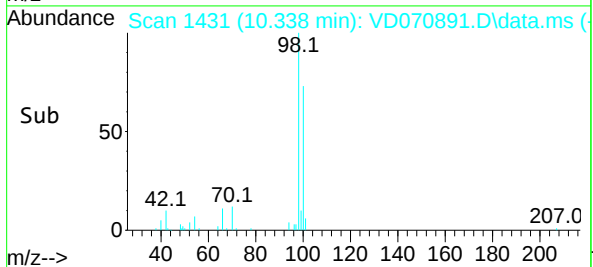
Tgt Ion:117 Resp: 1512
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#

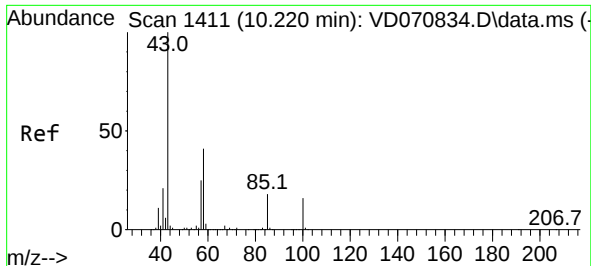


#50
Toluene-d8
Concen: 50.080 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070891.D
Acq: 28 Oct 2021 14:30



Tgt Ion: 98 Resp: 31048
Ion Ratio Lower Upper
98 100
100 62.6 51.8 77.6

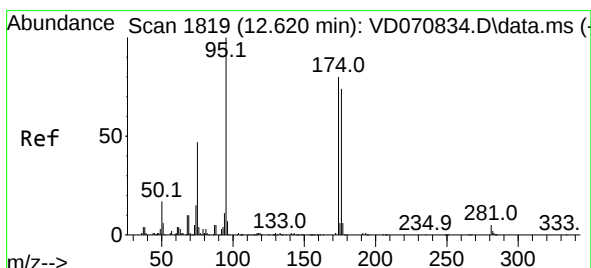
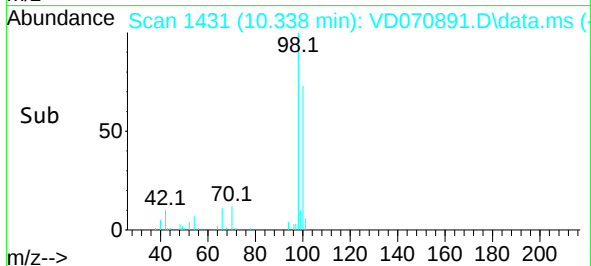
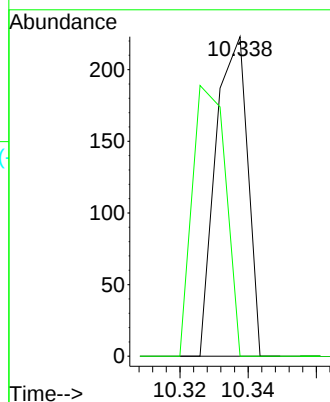
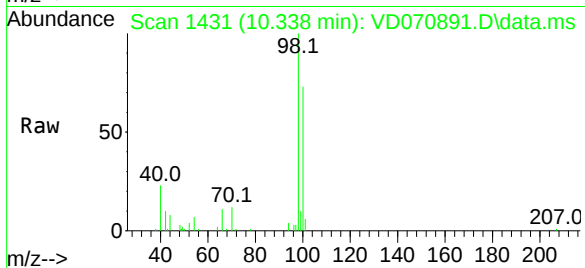




#51
4-Methyl-2-Pentanone
Concen: 1.530 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.118 min
Lab File: VD070891.D
Acq: 28 Oct 2021 14:30

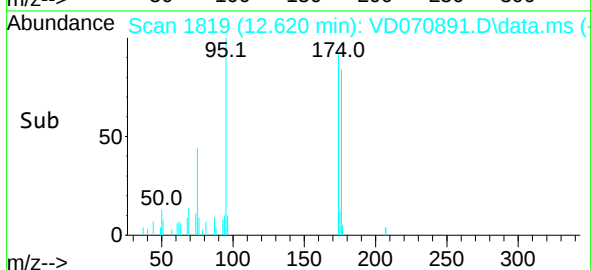
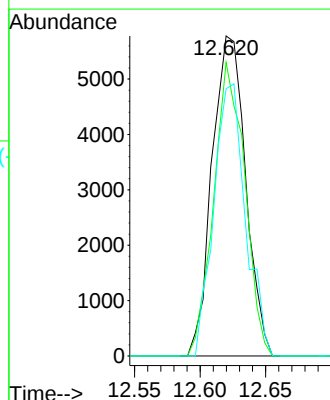
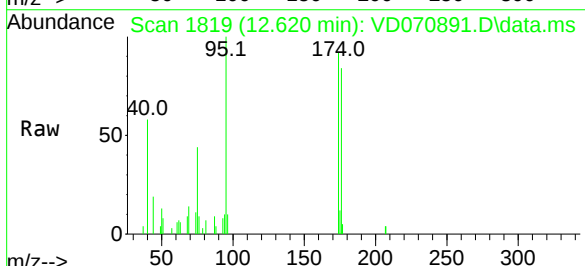
Instrument :
MSVOA_D
ClientSampled :

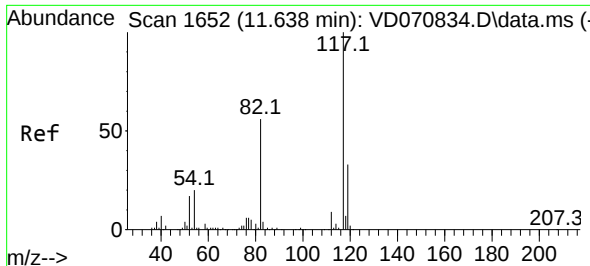
Tgt Ion: 43 Resp: 145
Ion Ratio Lower Upper
43 100
58 88.3 33.1 49.7#



#62
4-Bromofluorobenzene
Concen: 50.187 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD070891.D
Acq: 28 Oct 2021 14:30

Tgt Ion: 95 Resp: 10266
Ion Ratio Lower Upper
95 100
174 85.2 0.0 159.4
176 80.5 0.0 154.0

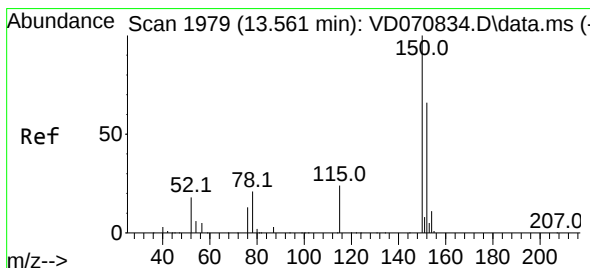
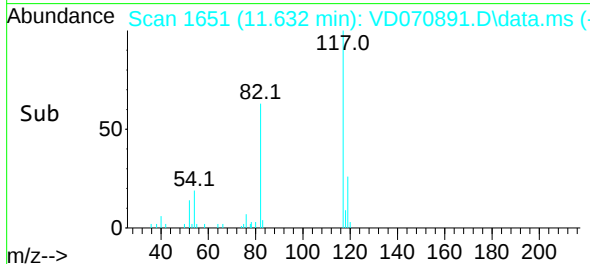
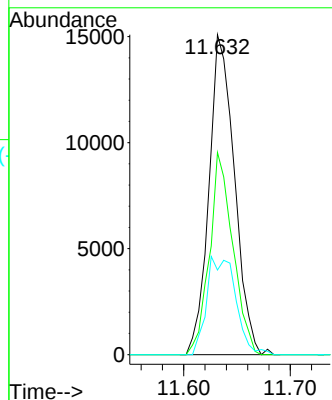
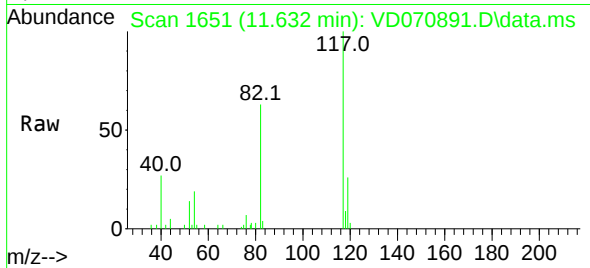




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD070891.D
Acq: 28 Oct 2021 14:30

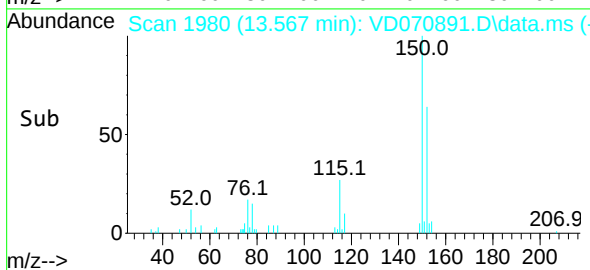
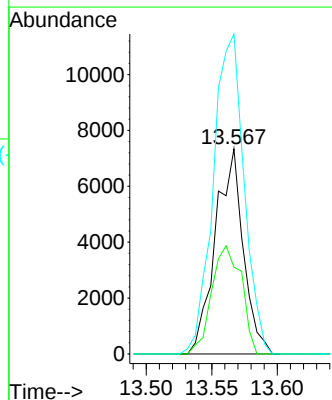
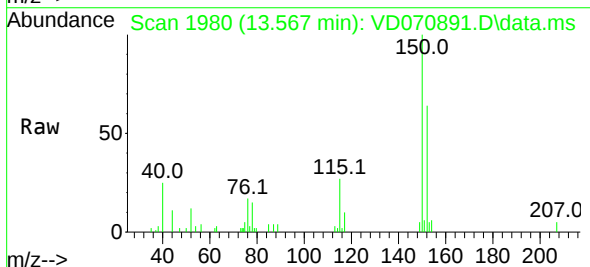
Instrument :
MSVOA_D
ClientSampleId :

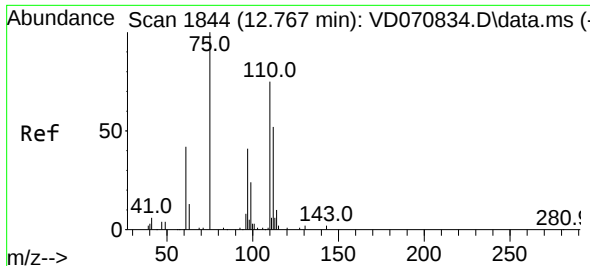
Tgt Ion:117	Resp:	25117
Ion Ratio	Lower	Upper
117	100	
82	63.2	44.7 67.1
119	26.4	26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD070891.D
Acq: 28 Oct 2021 14:30

Tgt Ion:152	Resp:	10857
Ion Ratio	Lower	Upper
152	100	
115	56.0	29.8 89.3
150	172.1	0.0 349.2

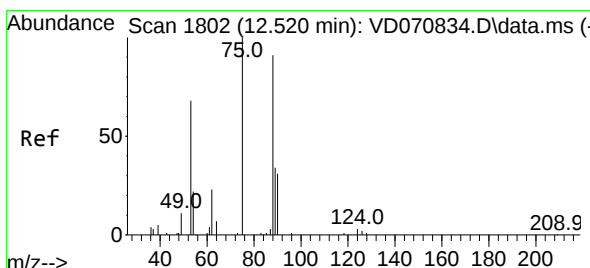
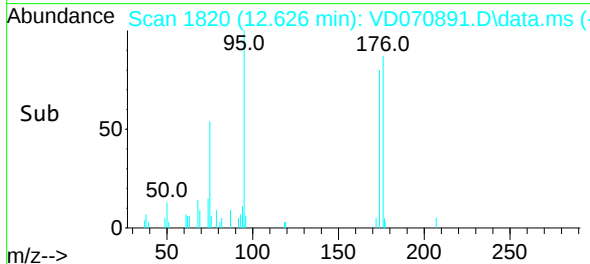
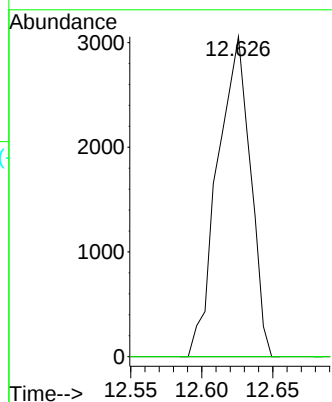
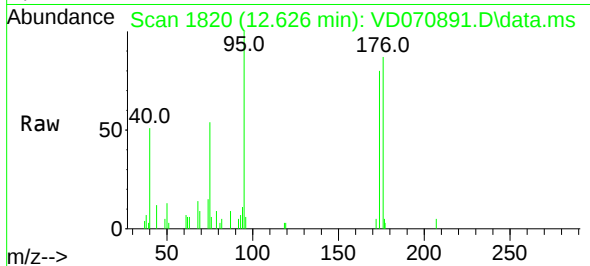




#76
1,2,3-Trichloropropane
Concen: 45.903 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.141 min
Lab File: VD070891.D
Acq: 28 Oct 2021 14:30

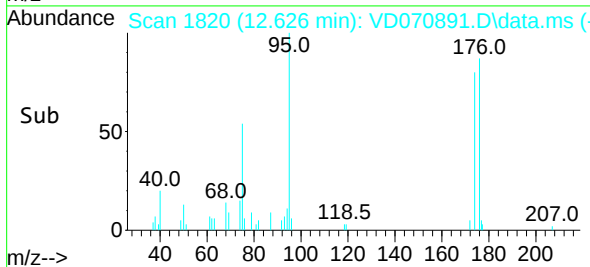
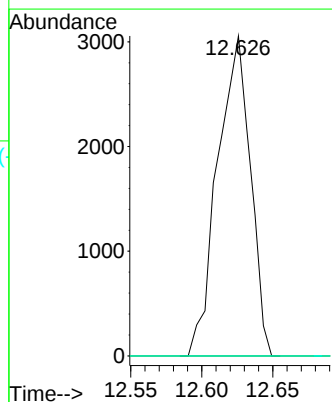
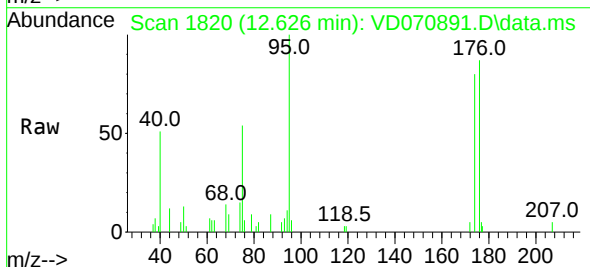
Instrument :
MSVOA_D
ClientSampled :

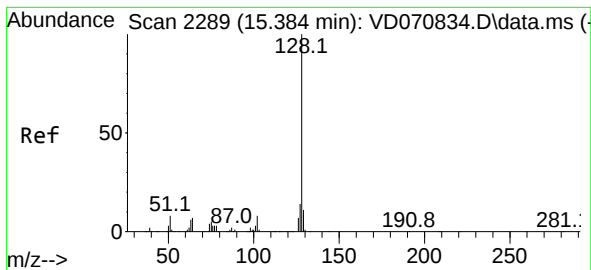
Tgt Ion: 75 Resp: 4906
Ion Ratio Lower Upper
75 100
77 0.0 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 120.479 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070891.D
Acq: 28 Oct 2021 14:30

Tgt Ion: 75 Resp: 4906
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#





#95
Naphthalene
Concen: 4.738 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. 0.000 min
Lab File: VD070891.D
Acq: 28 Oct 2021 14:30

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 228
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

