

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102821\
 Data File : VD070890.D
 Acq On : 28 Oct 2021 14:01
 Operator : VA/SY
 Sample : M4372-05RE
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 29 05:23:26 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	7.967	168	9227	50.000	ug/l	#-0.01
34) 1,4-Difluorobenzene	8.861	114	13192	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	12280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	5068	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	5672	61.120	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	122.240%
35) Dibromofluoromethane	7.914	113	4041	46.458	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.920%
50) Toluene-d8	10.338	98	17521	53.542	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	107.080%
62) 4-Bromofluorobenzene	12.626	95	4386	40.622	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	81.240%

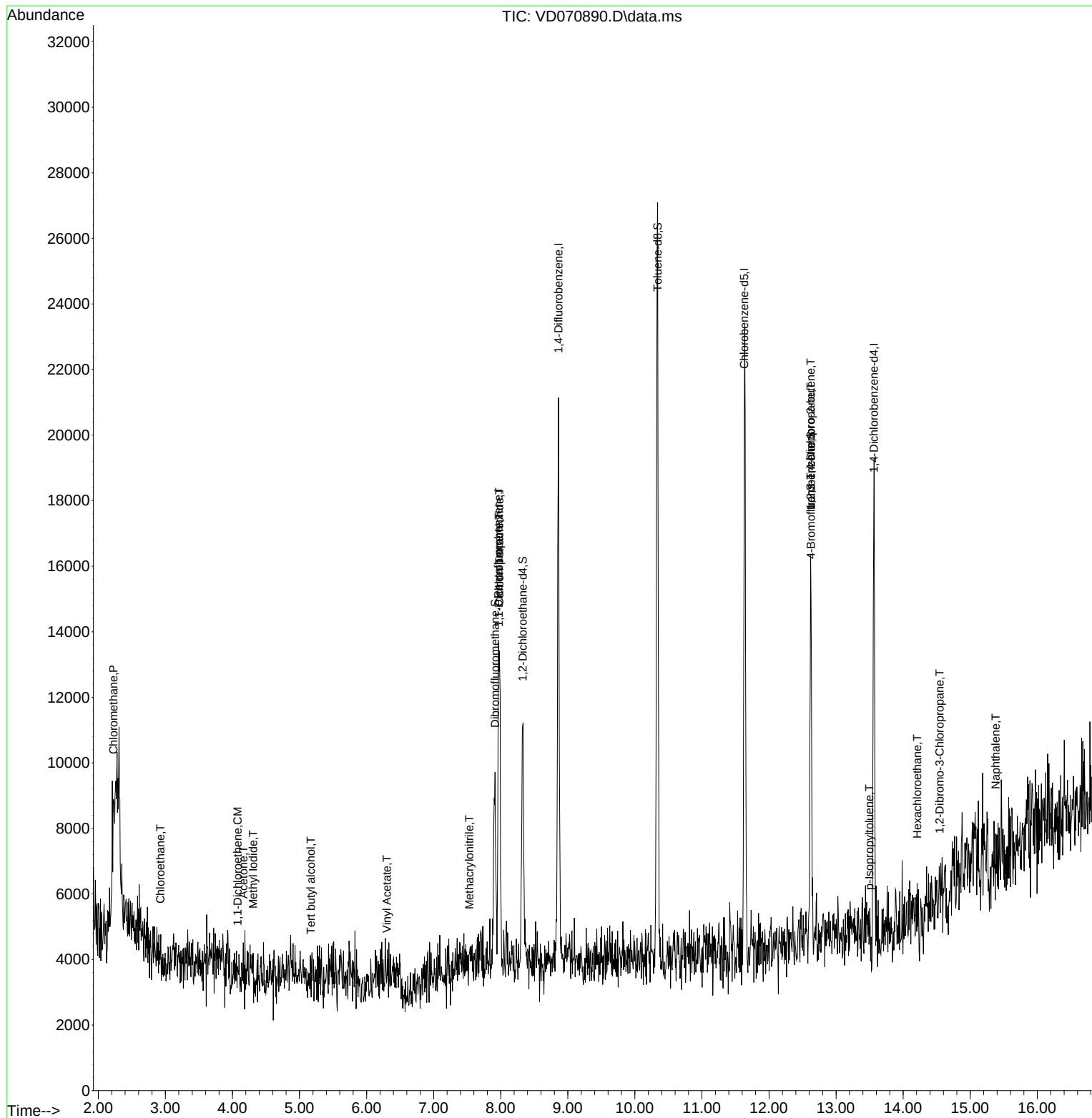
Target Compounds					Qvalue	
3) Chloromethane	2.226	50	476	3.930	ug/l	# 42
5) Bromomethane	2.803	94	135	Below Cal		# 3
6) Chloroethane	2.926	64	115	1.389	ug/l	# 39
10) Methyl Iodide	4.309	142	78	4.257	ug/l	# 40
11) Tert butyl alcohol	5.167	59	56	11.354	ug/l	# 71
12) 1,1-Dichloroethene	4.079	96	181	1.944	ug/l	# 1
16) Acetone	4.162	43	94	4.354	ug/l	# 40
23) Vinyl Acetate	6.303	43	80	14.908	ug/l	# 72
36) 1,1-Dichloropropene	7.973	75	605	4.383	ug/l	# 41
38) Carbon Tetrachloride	7.979	117	424	3.055	ug/l	# 12
41) Methacrylonitrile	7.532	41	63	2.321	ug/l	# 12
76) 1,2,3-Trichloropropane	12.620	75	2120	42.493	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.620	75	2120	111.530	ug/l	# 18
86) p-Isopropyltoluene	13.496	119	366	1.206	ug/l	# 51
90) Hexachloroethane	14.208	117	114	1.674	ug/l	# 14
92) 1,2-Dibromo-3-Chloropr...	14.543	75	66	6.567	ug/l	# 4
95) Naphthalene	15.379	128	185	5.191	ug/l	# 69

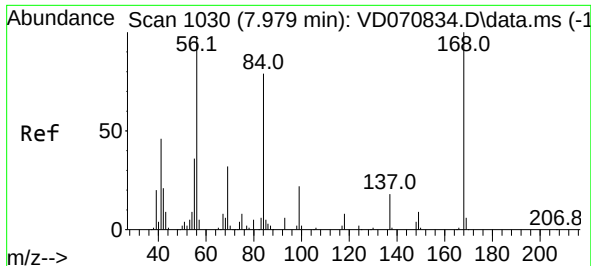
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 27 05:34:47 2021
Response via : Initial Calibration

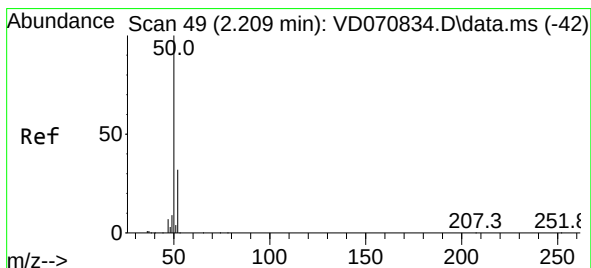
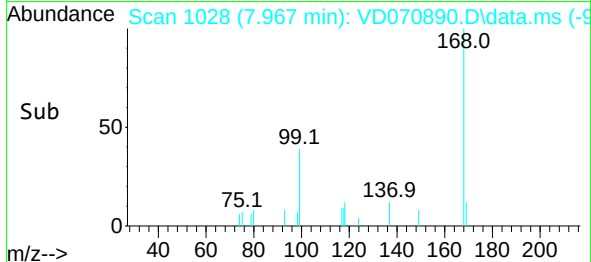
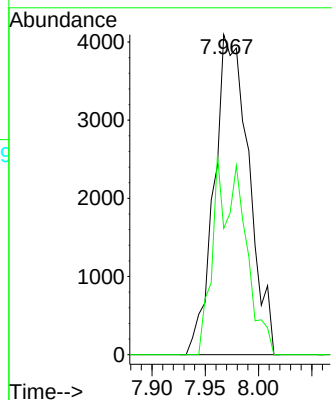
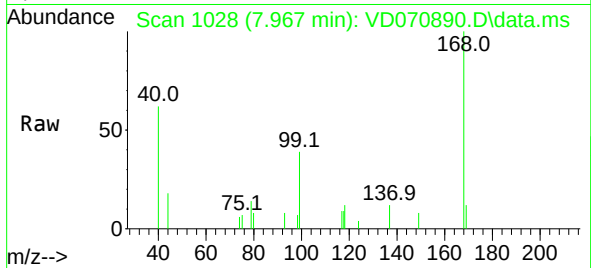




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD070890.D
Acq: 28 Oct 2021 14:01

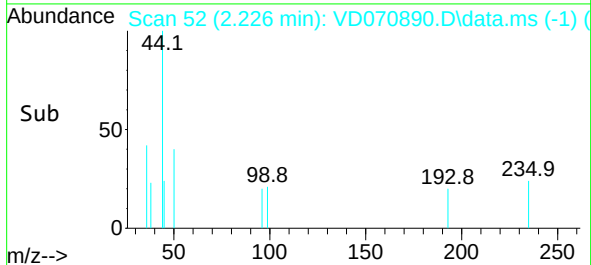
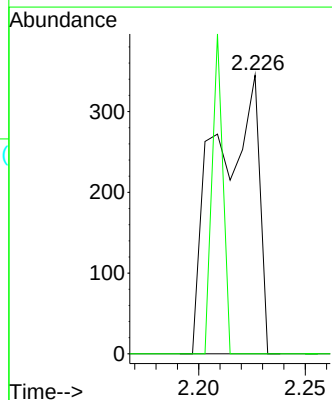
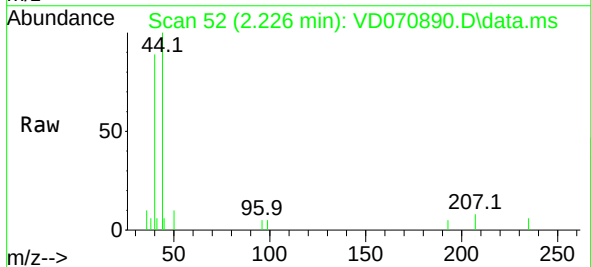
Instrument :
MSVOA_D
ClientSampled :

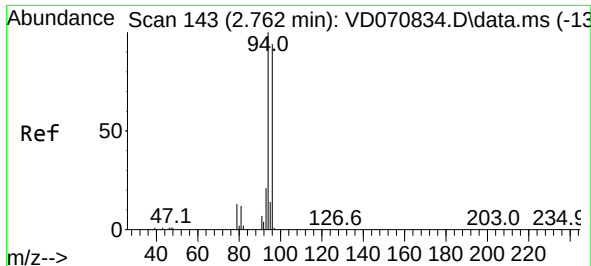
Tgt Ion:168 Resp: 9227
Ion Ratio Lower Upper
168 100
99 39.5 46.6 69.8#



#3
Chloromethane
Concen: 3.930 ug/l
RT: 2.226 min Scan# 52
Delta R.T. 0.018 min
Lab File: VD070890.D
Acq: 28 Oct 2021 14:01

Tgt Ion: 50 Resp: 476
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#

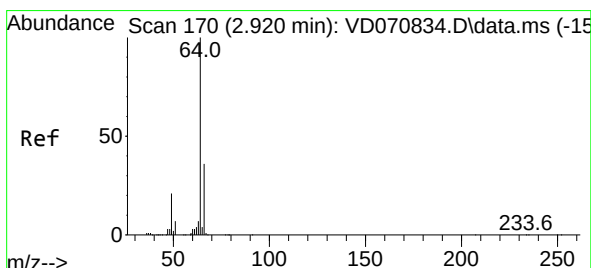
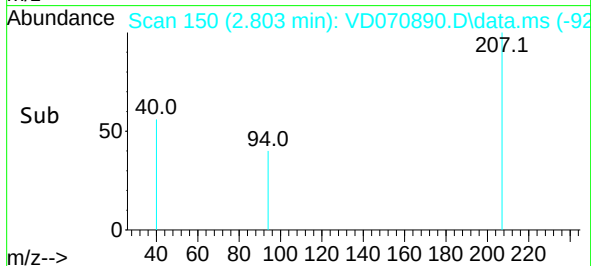
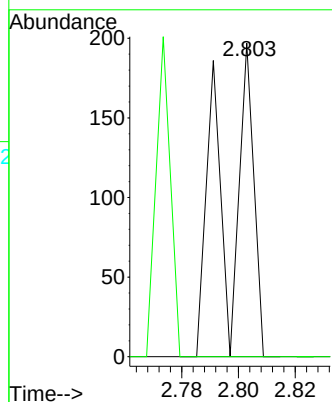
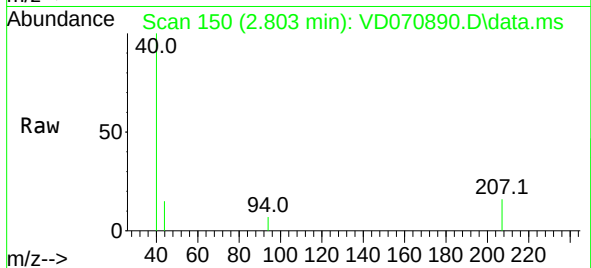




#5
Bromomethane
Concen: Below Cal
RT: 2.803 min Scan# 150
Delta R.T. 0.041 min
Lab File: VD070890.D
Acq: 28 Oct 2021 14:01

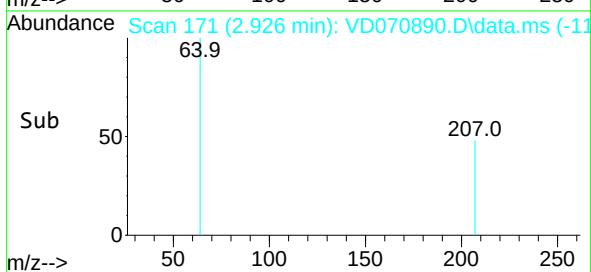
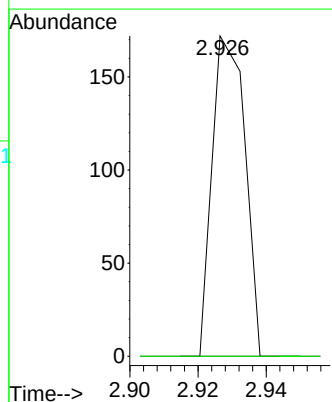
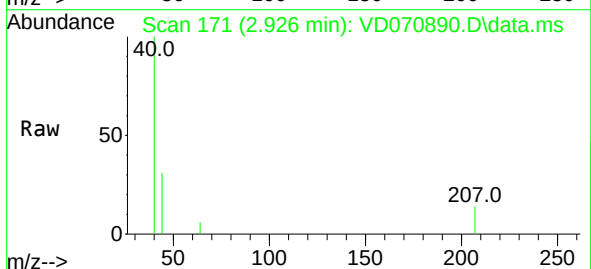
Instrument :
MSVOA_D
ClientSampleId :

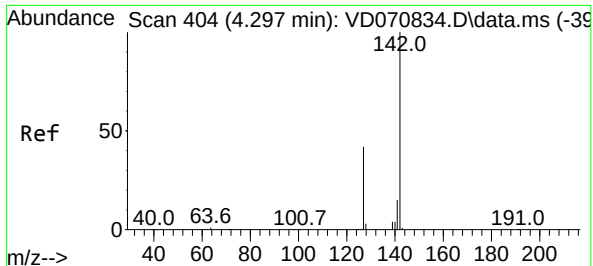
Tgt Ion: 94 Resp: 135
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#



#6
Chloroethane
Concen: 1.389 ug/l
RT: 2.926 min Scan# 171
Delta R.T. 0.006 min
Lab File: VD070890.D
Acq: 28 Oct 2021 14:01

Tgt Ion: 64 Resp: 115
Ion Ratio Lower Upper
64 100
66 0.0 29.0 43.4#





#10

Methyl Iodide

Concen: 4.257 ug/l

RT: 4.309 min Scan# 406

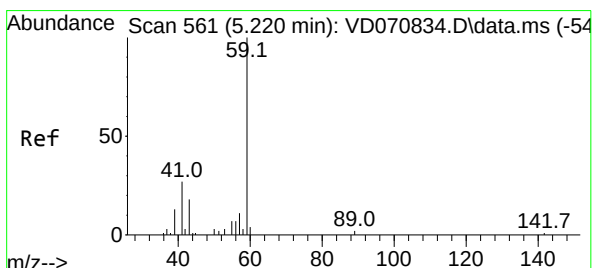
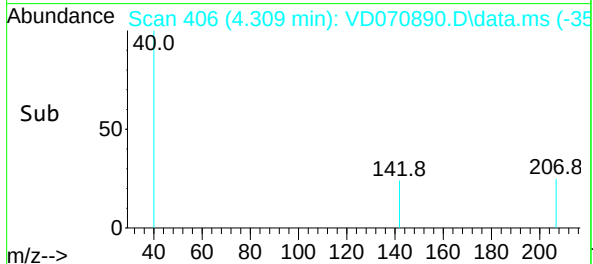
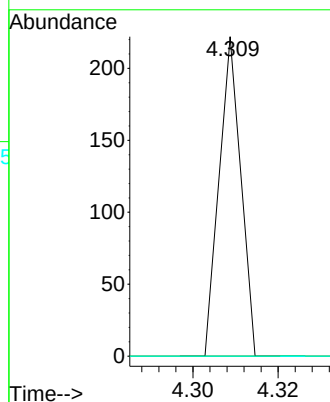
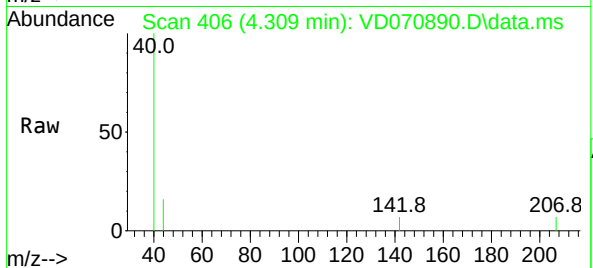
Delta R.T. 0.012 min

Lab File: VD070890.D

Acq: 28 Oct 2021 14:01

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:142	Resp:	78
Ion	Ratio	Lower Upper
142	100	
127	0.0	35.0 52.4#
141	0.0	12.0 18.0#



#11

Tert butyl alcohol

Concen: 11.354 ug/l

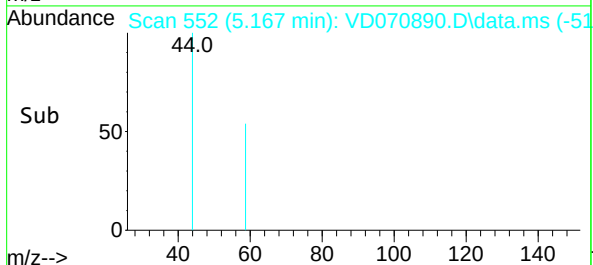
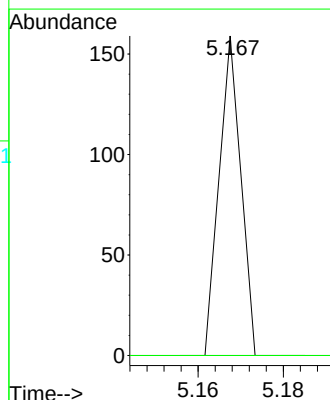
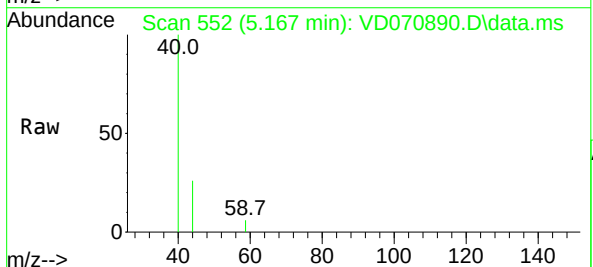
RT: 5.167 min Scan# 552

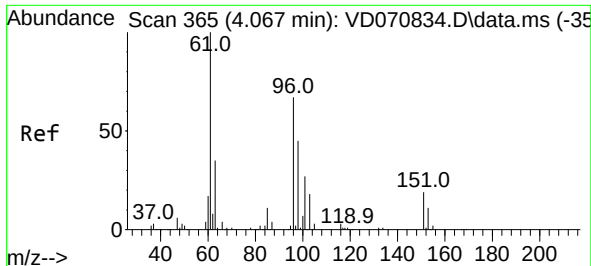
Delta R.T. -0.053 min

Lab File: VD070890.D

Acq: 28 Oct 2021 14:01

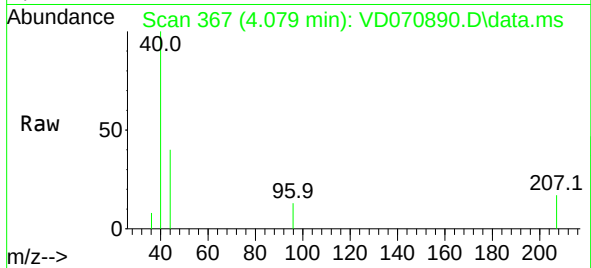
Tgt Ion: 59	Resp:	56
Ion	Ratio	Lower Upper
59	100	
57	0.0	9.0 13.4#



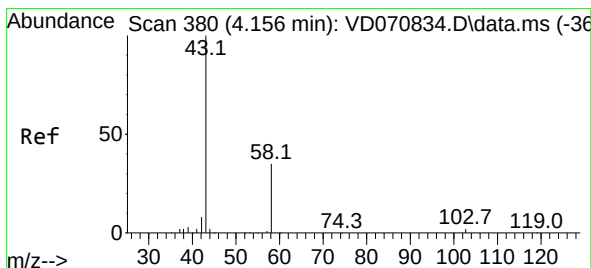
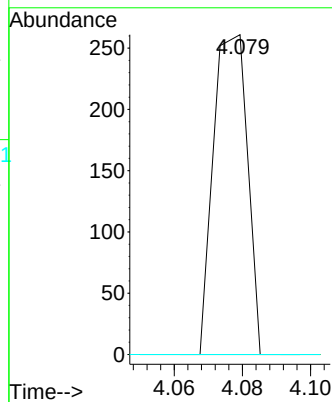
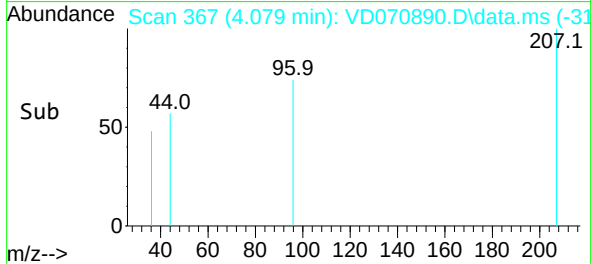


#12
1,1-Dichloroethene
Concen: 1.944 ug/l
RT: 4.079 min Scan# 367
Delta R.T. 0.012 min
Lab File: VD070890.D
Acq: 28 Oct 2021 14:01

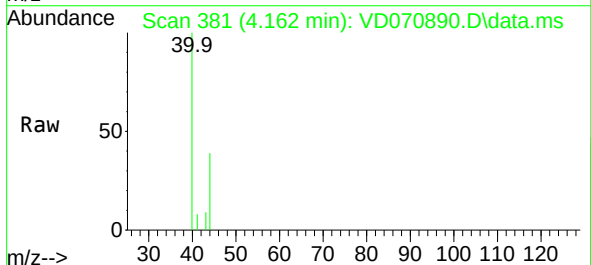
Instrument :
MSVOA_D
ClientSampled :



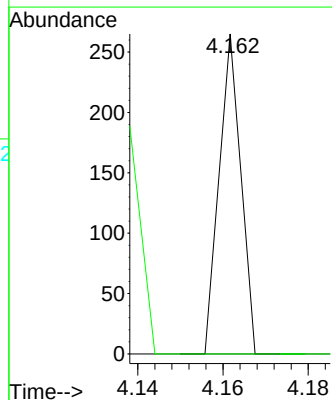
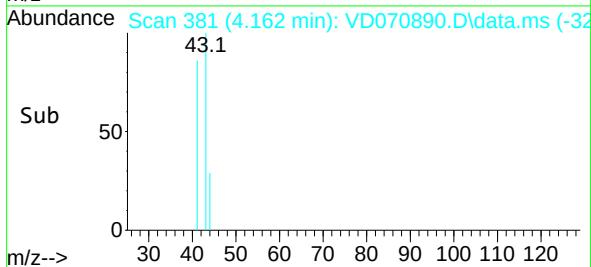
Tgt Ion: 96 Resp: 181
Ion Ratio Lower Upper
96 100
61 0.0 120.3 180.5#
98 0.0 54.4 81.6#

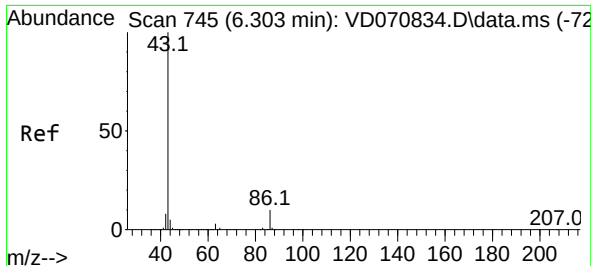


#16
Acetone
Concen: 4.354 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070890.D
Acq: 28 Oct 2021 14:01



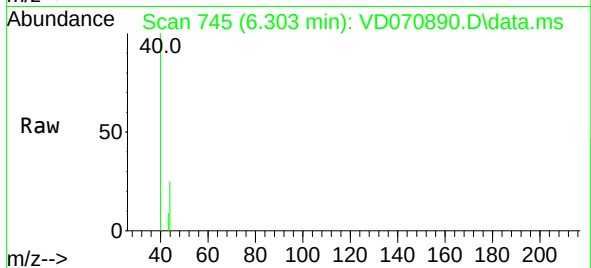
Tgt Ion: 43 Resp: 94
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



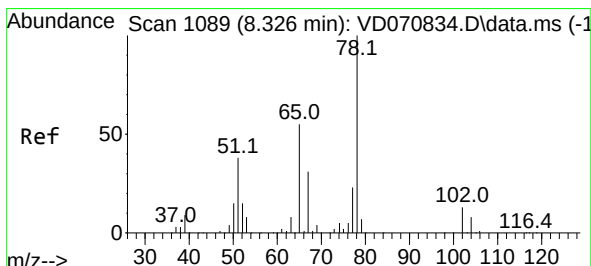
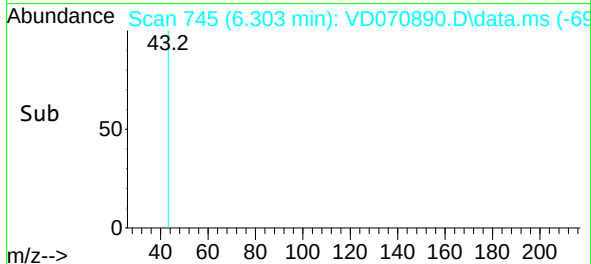
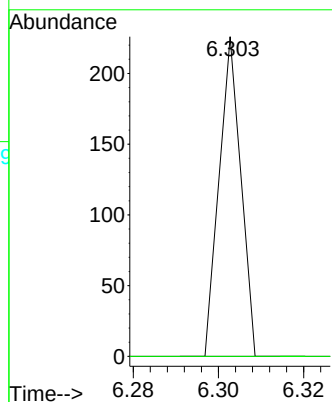


#23
 Vinyl Acetate
 Concen: 14.908 ug/l
 RT: 6.303 min Scan# 745
 Delta R.T. -0.000 min
 Lab File: VD070890.D
 Acq: 28 Oct 2021 14:01

Instrument :
 MSVOA_D
 ClientSampled :

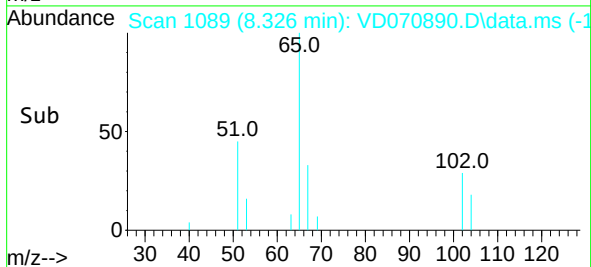
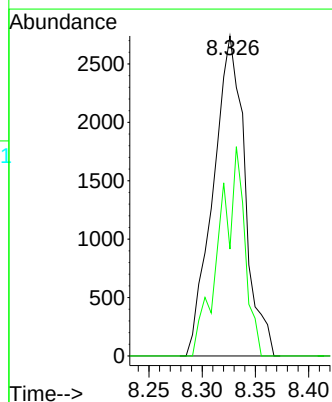
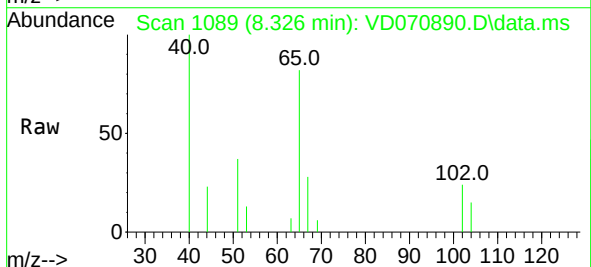


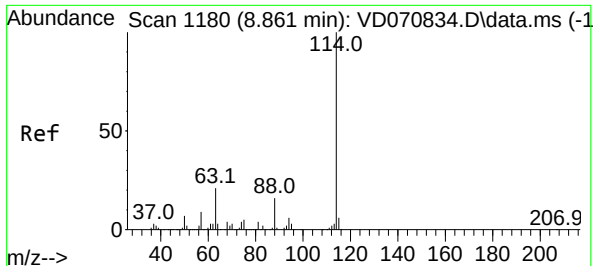
Tgt Ion: 43 Resp: 80
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#33
 1,2-Dichloroethane-d4
 Concen: 61.120 ug/l
 RT: 8.326 min Scan# 1089
 Delta R.T. 0.000 min
 Lab File: VD070890.D
 Acq: 28 Oct 2021 14:01

Tgt Ion: 65 Resp: 5672
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 112.2

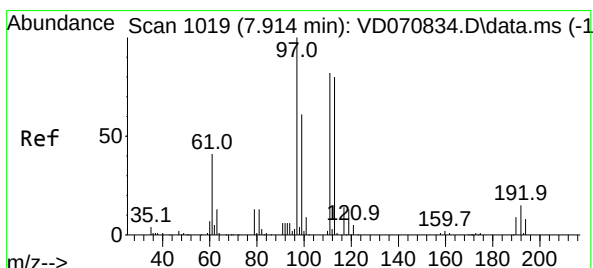
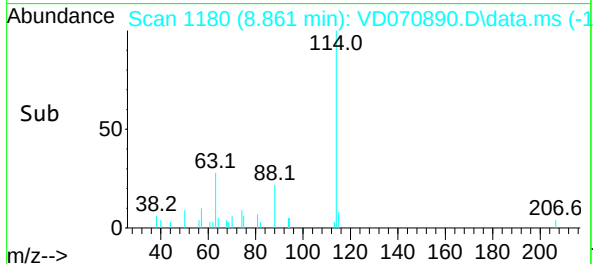
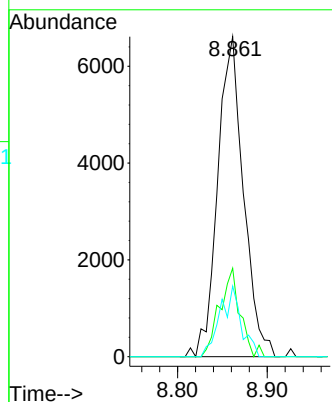
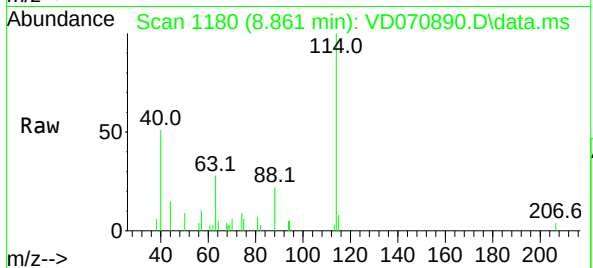




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070890.D
Acq: 28 Oct 2021 14:01

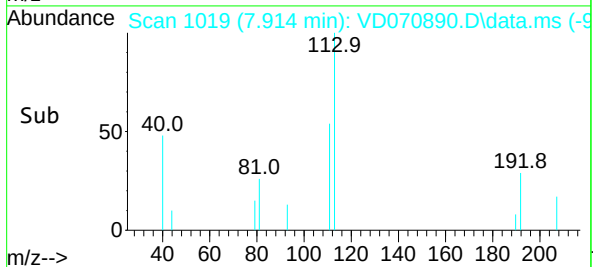
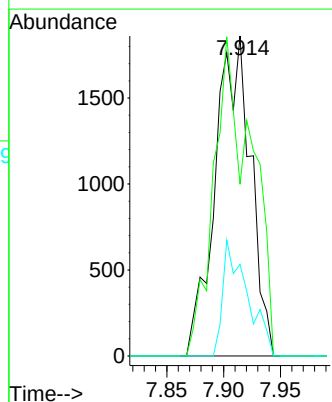
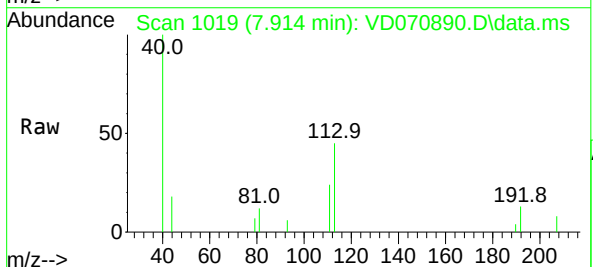
Instrument :
MSVOA_D
ClientSampled :

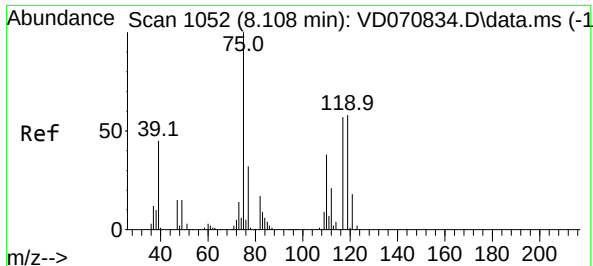
Tgt Ion:	114	Resp:	13192
Ion Ratio	Lower	Upper	
114	100		
63	27.7	0.0	41.8
88	22.1	0.0	32.8



#35
Dibromofluoromethane
Concen: 46.458 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD070890.D
Acq: 28 Oct 2021 14:01

Tgt Ion:	113	Resp:	4041
Ion Ratio	Lower	Upper	
113	100		
111	67.1	82.0	123.0#
192	24.9	15.2	22.8#

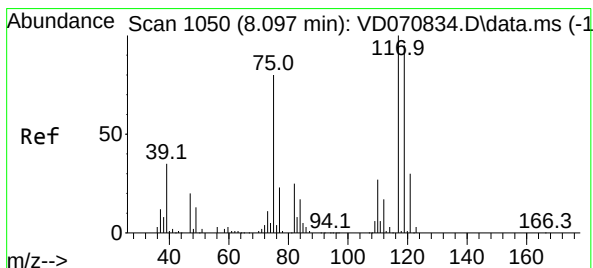
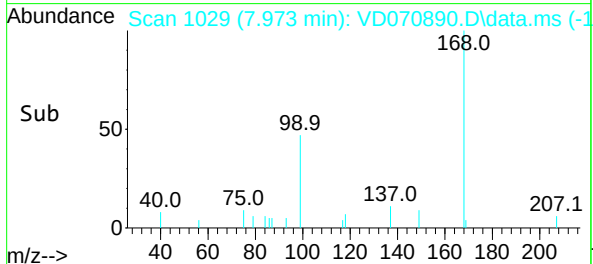
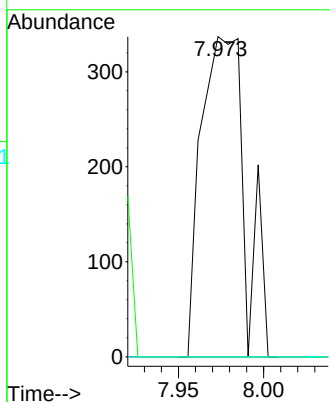
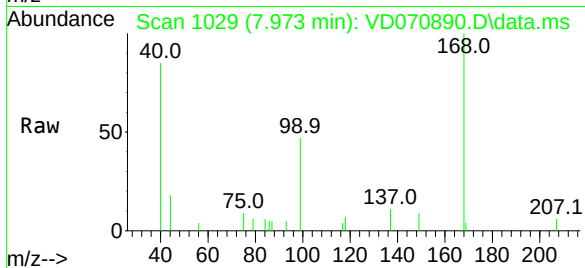




#36
1,1-Dichloropropene
Concen: 4.383 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070890.D
Acq: 28 Oct 2021 14:01

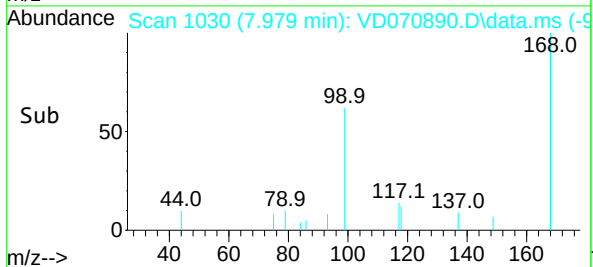
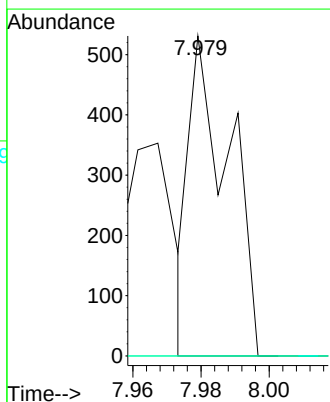
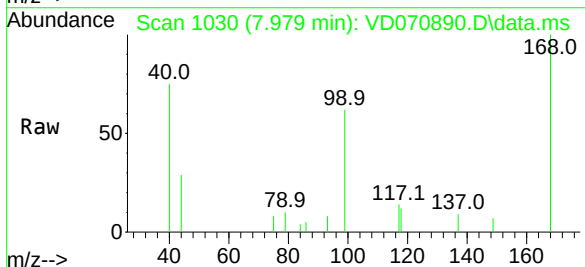
Instrument :
MSVOA_D
ClientSampled :

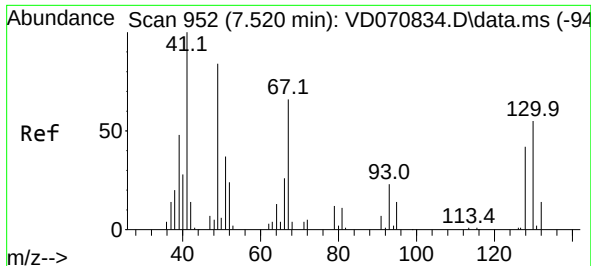
Tgt Ion: 75 Resp: 605
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.4#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 3.055 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.117 min
Lab File: VD070890.D
Acq: 28 Oct 2021 14:01

Tgt Ion: 117 Resp: 424
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#

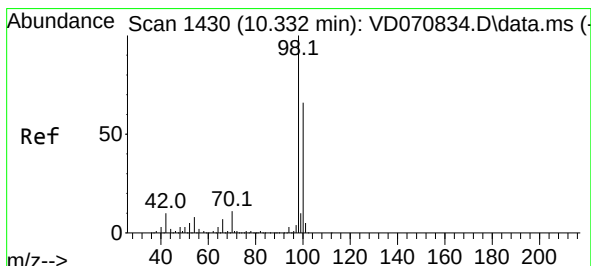
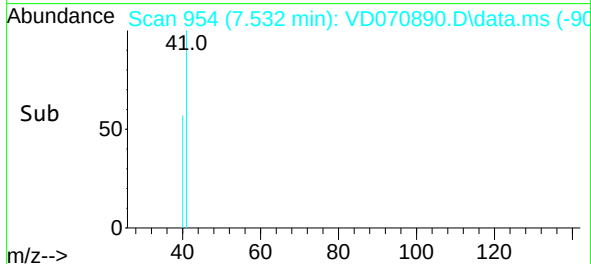
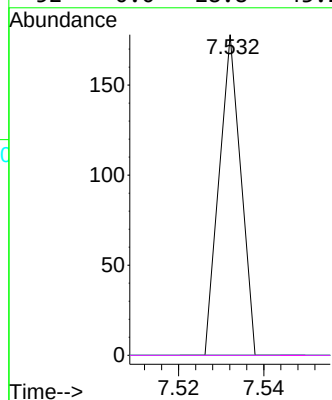
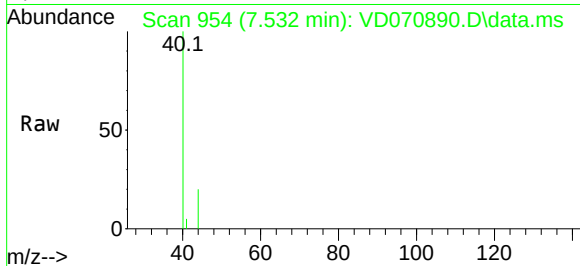




#41
Methacrylonitrile
Concen: 2.321 ug/l
RT: 7.532 min Scan# 954
Delta R.T. 0.012 min
Lab File: VD070890.D
Acq: 28 Oct 2021 14:01

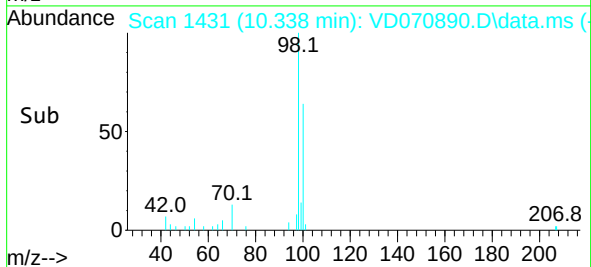
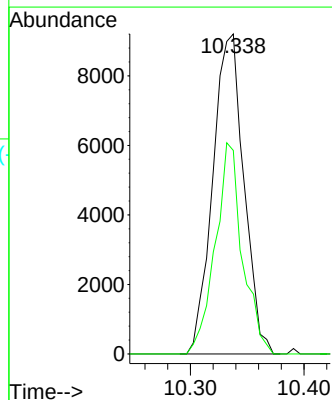
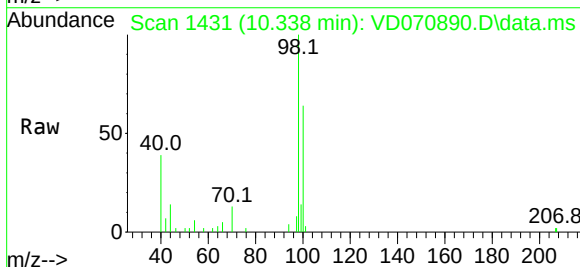
Instrument :
MSVOA_D
ClientSampleId :

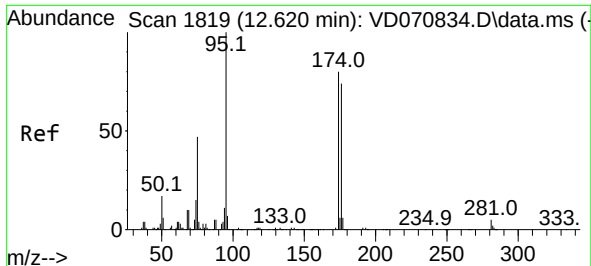
Tgt Ion:	41	Resp:	63
Ion	Ratio	Lower	Upper
41	100		
39	0.0	60.2	90.4#
67	0.0	74.8	112.2#
52	0.0	28.8	43.2#



#50
Toluene-d8
Concen: 53.542 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070890.D
Acq: 28 Oct 2021 14:01

Tgt Ion:	98	Resp:	17521
Ion	Ratio	Lower	Upper
98	100		
100	57.7	51.8	77.6

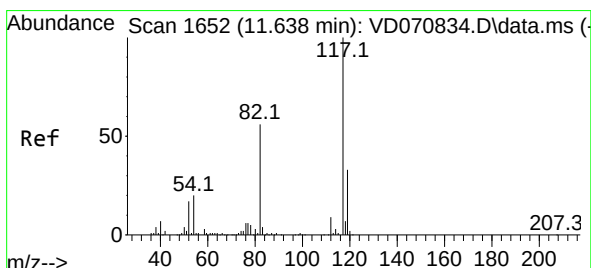
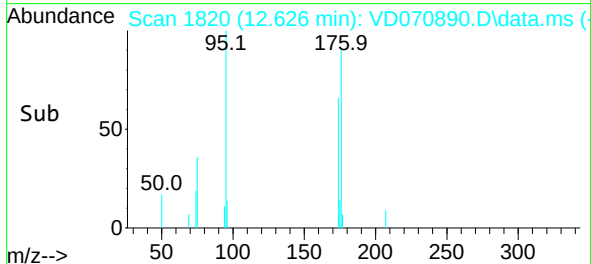
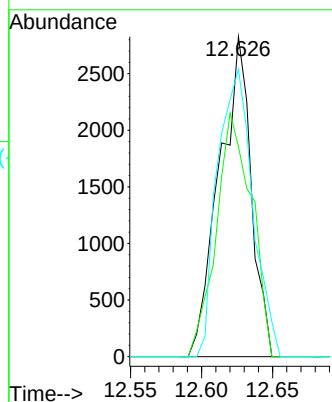
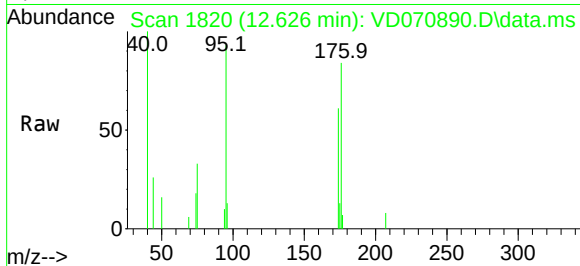




#62
4-Bromofluorobenzene
Concen: 40.622 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD070890.D
Acq: 28 Oct 2021 14:01

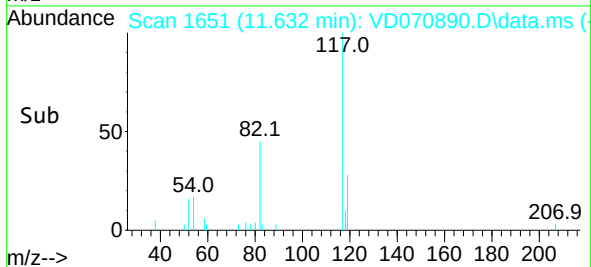
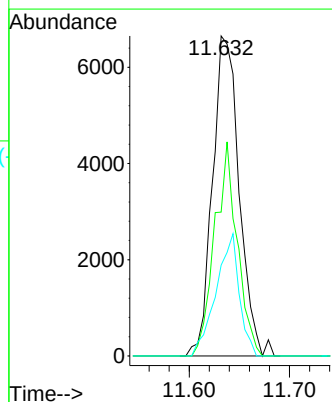
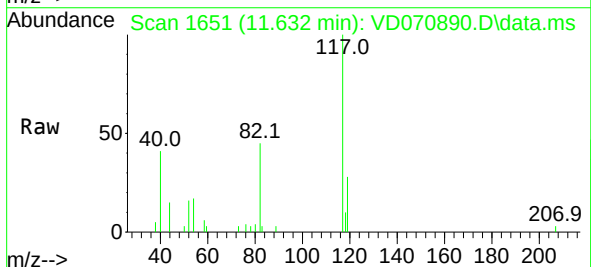
Instrument :
MSVOA_D
ClientSampleId :

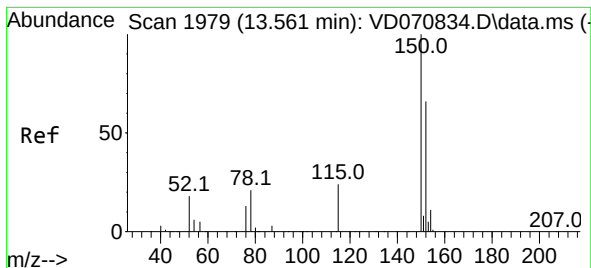
Tgt Ion:	95	Resp:	4386
Ion	Ratio	Lower	Upper
95	100		
174	85.0	0.0	159.4
176	99.9	0.0	154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD070890.D
Acq: 28 Oct 2021 14:01

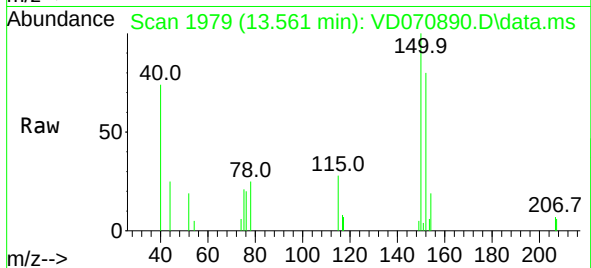
Tgt Ion:	117	Resp:	12280
Ion	Ratio	Lower	Upper
117	100		
82	44.9	44.7	67.1
119	28.4	26.2	39.4



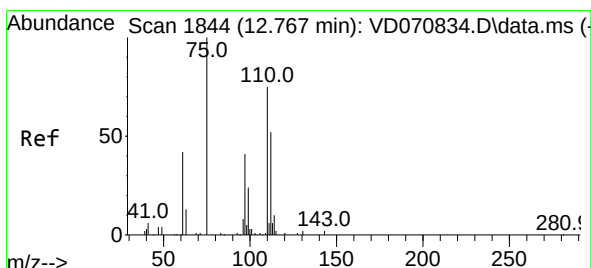
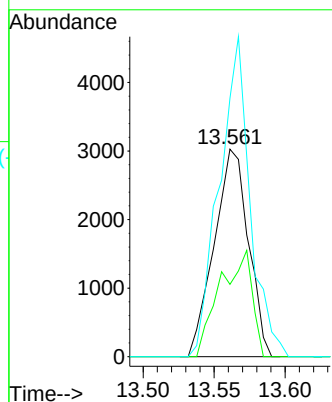
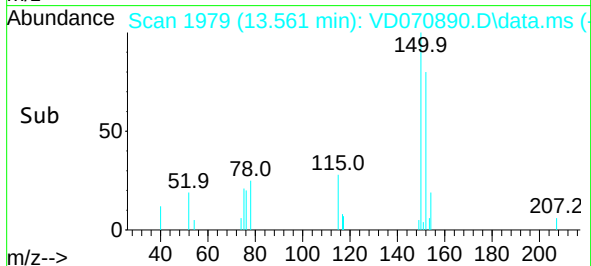


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD070890.D
 Acq: 28 Oct 2021 14:01

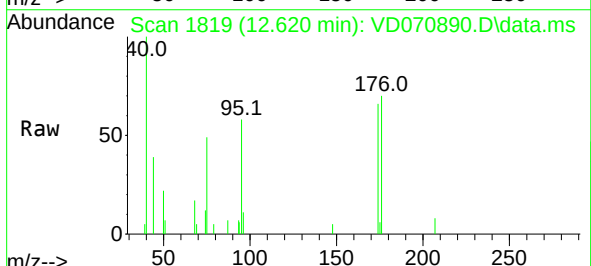
Instrument :
 MSVOA_D
 ClientSampled :



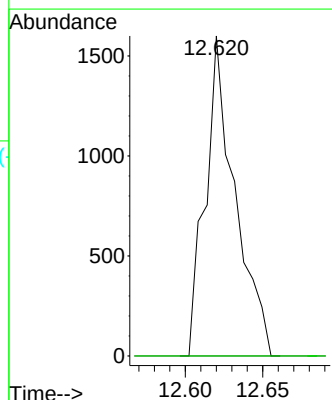
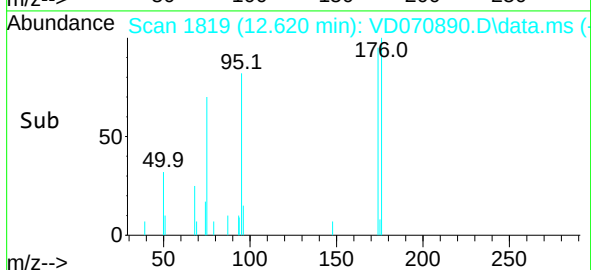
Tgt Ion:152 Resp: 5068
 Ion Ratio Lower Upper
 152 100
 115 48.3 29.8 89.3
 150 138.9 0.0 349.2

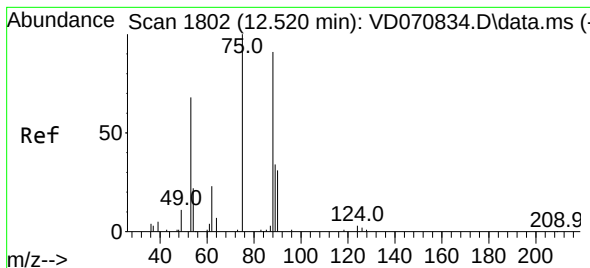


#76
 1,2,3-Trichloropropane
 Concen: 42.493 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD070890.D
 Acq: 28 Oct 2021 14:01



Tgt Ion: 75 Resp: 2120
 Ion Ratio Lower Upper
 75 100
 77 0.0 158.4 475.3#

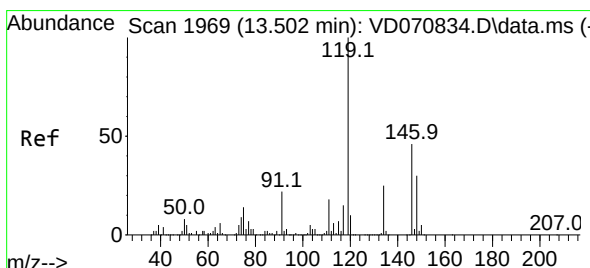
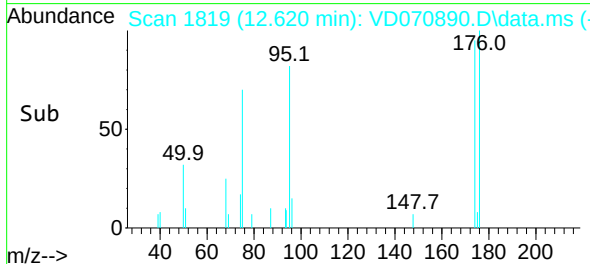
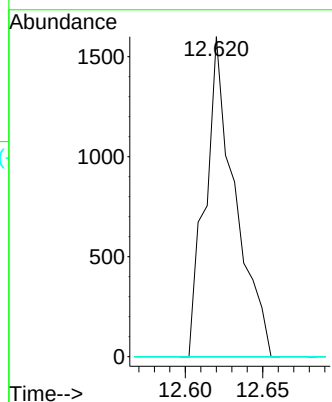
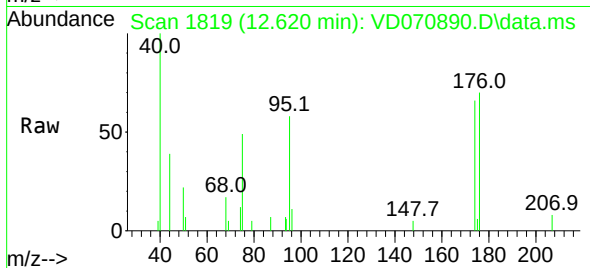




#81
trans-1,4-Dichloro-2-butene
Concen: 111.530 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070890.D
Acq: 28 Oct 2021 14:01

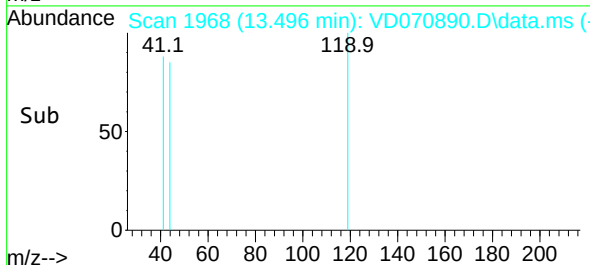
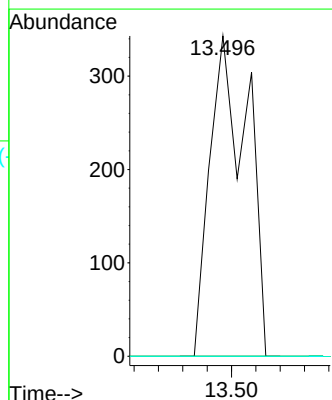
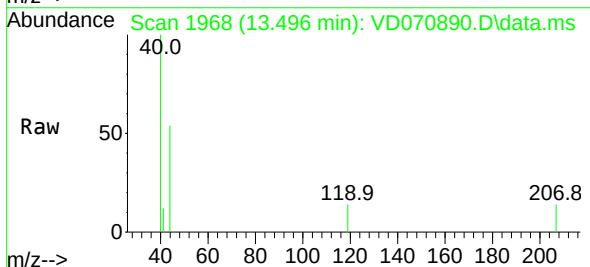
Instrument :
MSVOA_D
ClientSampled :

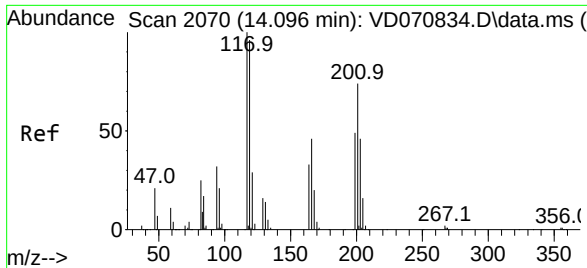
Tgt Ion: 75 Resp: 2120
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#



#86
p-Isopropyltoluene
Concen: 1.206 ug/l
RT: 13.496 min Scan# 1968
Delta R.T. -0.006 min
Lab File: VD070890.D
Acq: 28 Oct 2021 14:01

Tgt Ion: 119 Resp: 366
Ion Ratio Lower Upper
119 100
134 0.0 13.0 38.9#
91 0.0 11.4 34.2#

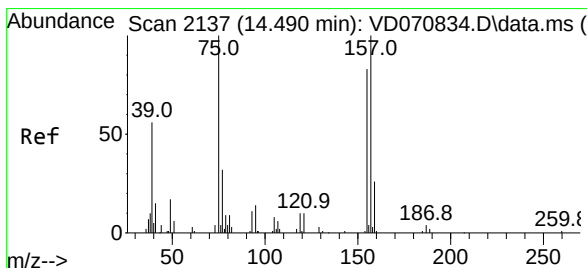
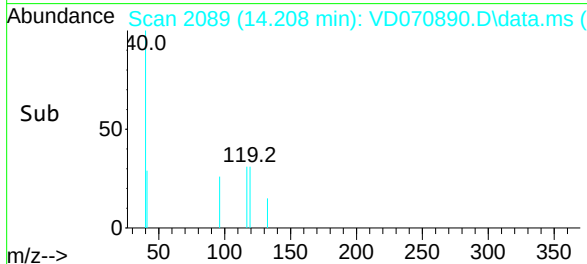
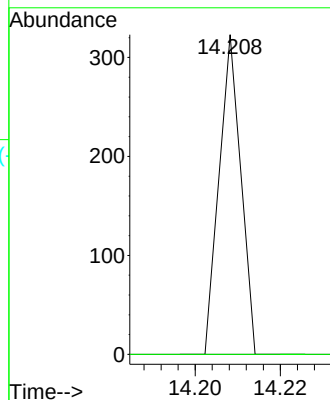
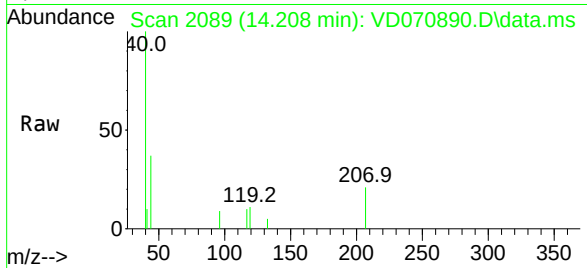




#90
Hexachloroethane
Concen: 1.674 ug/l
RT: 14.208 min Scan# 2089
Delta R.T. 0.112 min
Lab File: VD070890.D
Acq: 28 Oct 2021 14:01

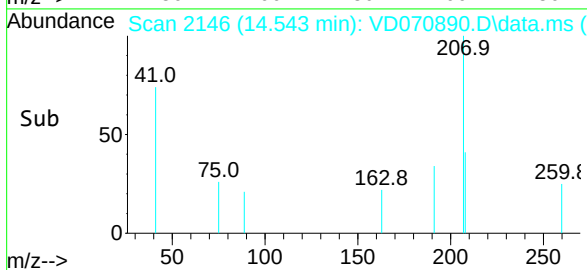
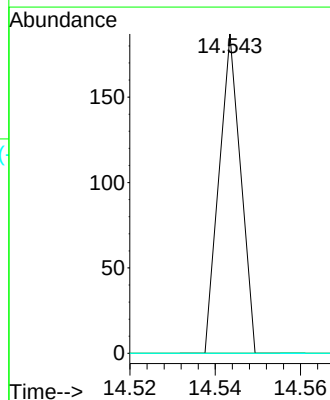
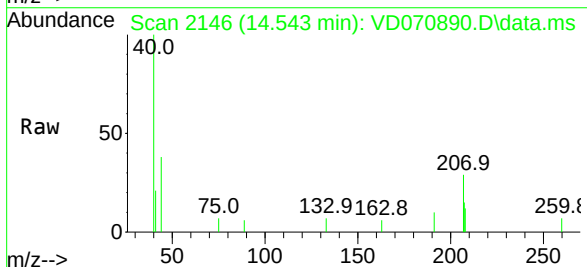
Instrument :
MSVOA_D
ClientSampled :

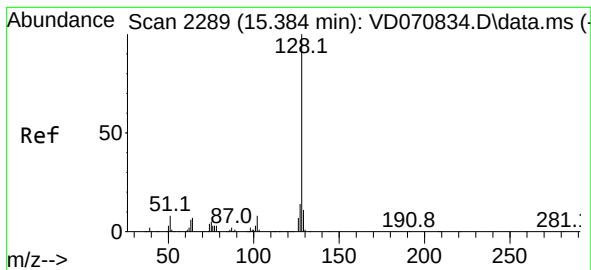
Tgt Ion:117 Resp: 114
Ion Ratio Lower Upper
117 100
201 0.0 36.0 108.1#



#92
1,2-Dibromo-3-Chloropropane
Concen: 6.567 ug/l
RT: 14.543 min Scan# 2146
Delta R.T. 0.053 min
Lab File: VD070890.D
Acq: 28 Oct 2021 14:01

Tgt Ion: 75 Resp: 66
Ion Ratio Lower Upper
75 100
155 0.0 40.0 120.0#
157 0.0 49.8 149.3#





#95
Naphthalene
Concen: 5.191 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.005 min
Lab File: VD070890.D
Acq: 28 Oct 2021 14:01

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 185
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

