

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 :
 SB-3RE

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%	

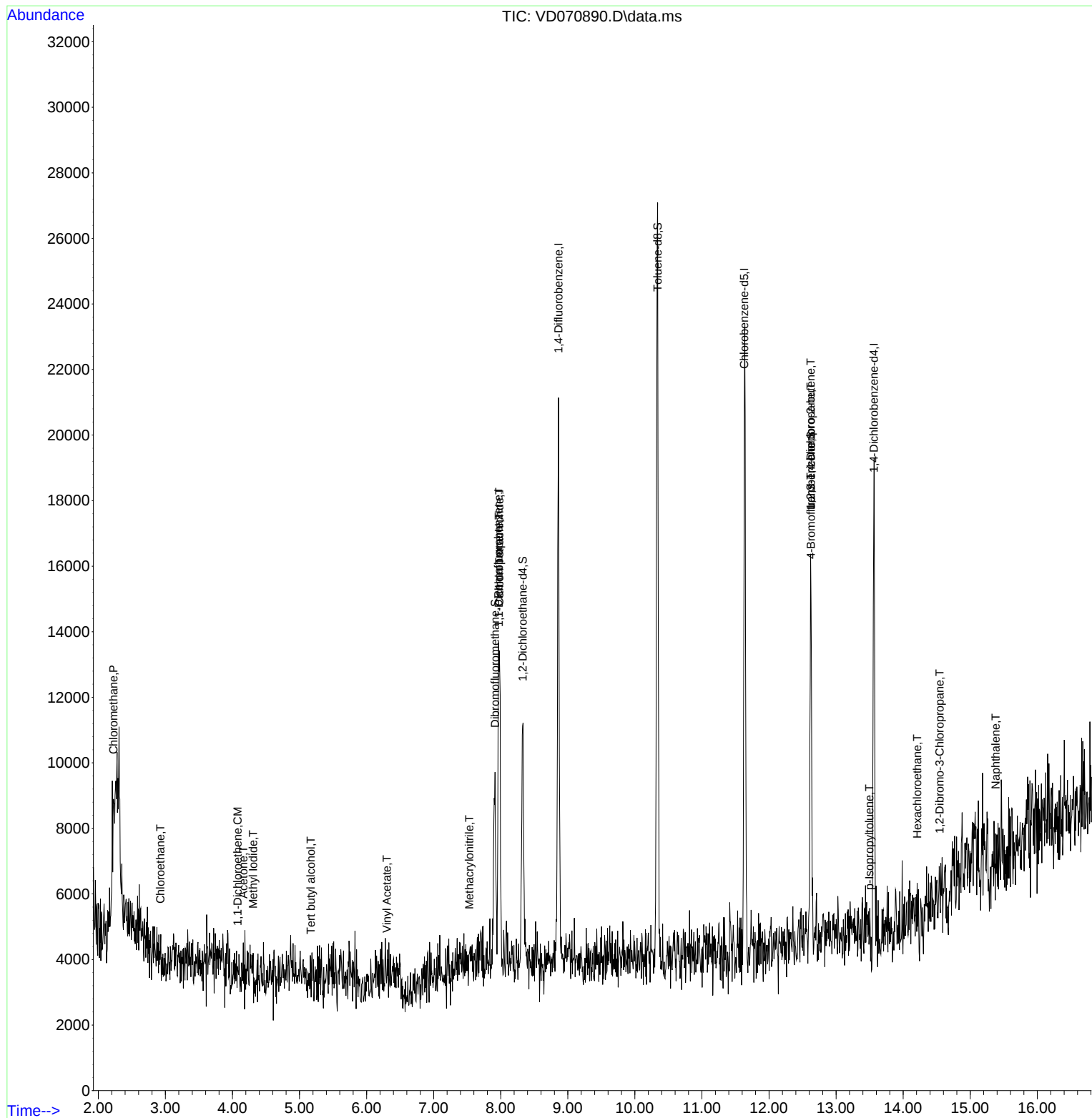
Target Compounds						Qvalue
3) Chloromethane	2.226	50	476	3.930	ug/l #	42
5) Bromomethane	2.803	94	135	Below Cal	#	3
6) Chloroethane	2.926	64	115	1.389	ug/l #	39
10) Methyl Iodide	4.309	142	78	4.257	ug/l #	40
11) Tert butyl alcohol	5.167	59	56	11.354	ug/l #	71
12) 1,1-Dichloroethene	4.079	96	181	1.944	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

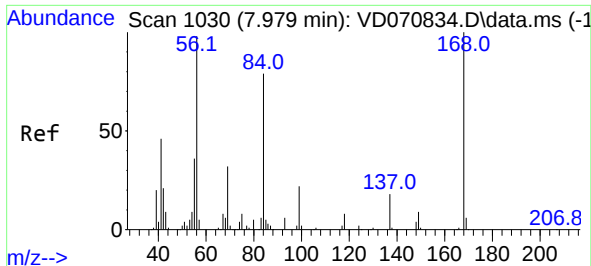
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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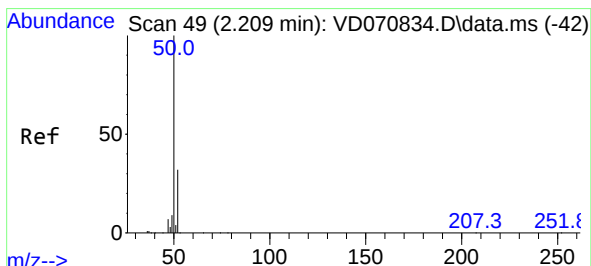
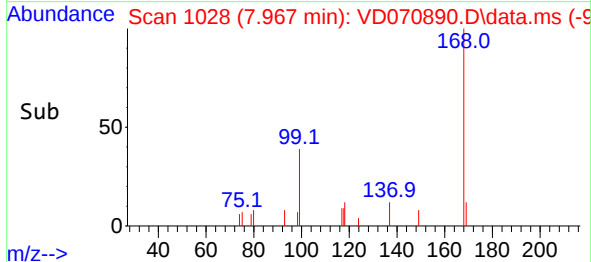
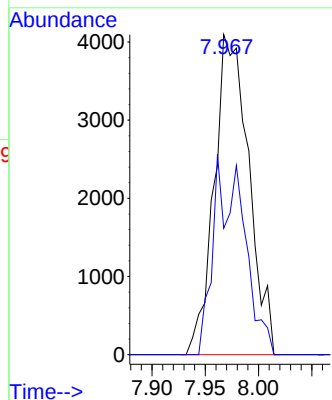
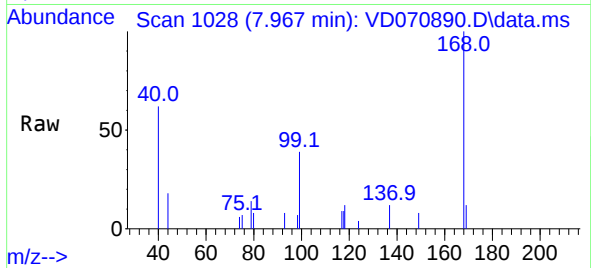




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD070890.D
Acq: 28 Oct 2021 14:01

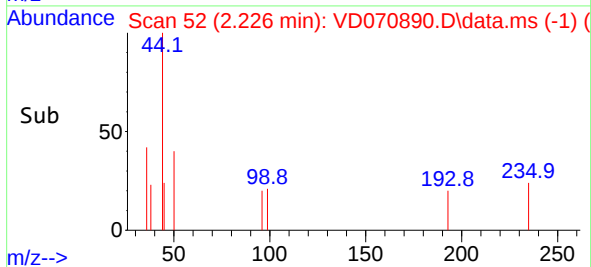
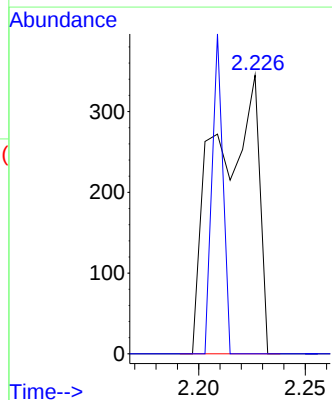
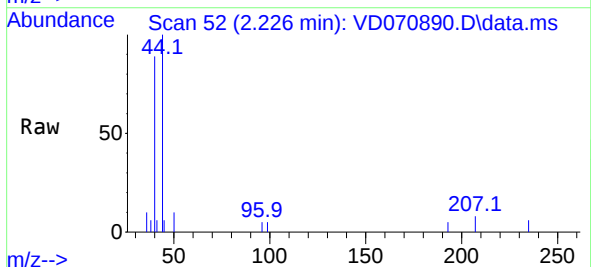
Instrument :
MSVOA_D
ClientSampleID :
SB-3RE

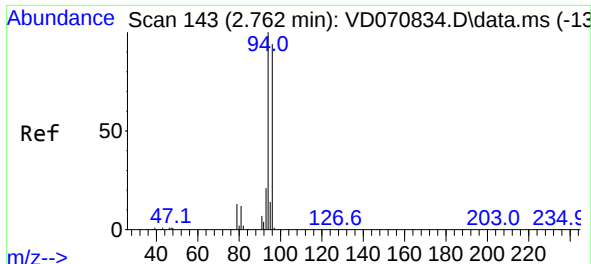
Tgt Ion:168 Resp: 9227
Ion Ratio Lower Upper
168 100
99 39.5 46.6 69.8#



#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#

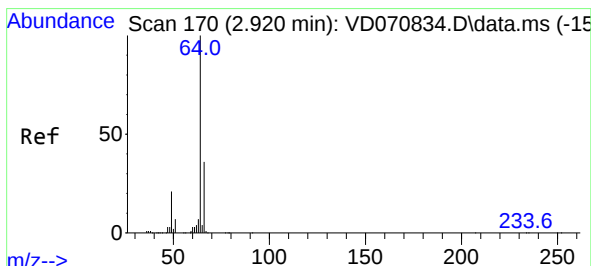
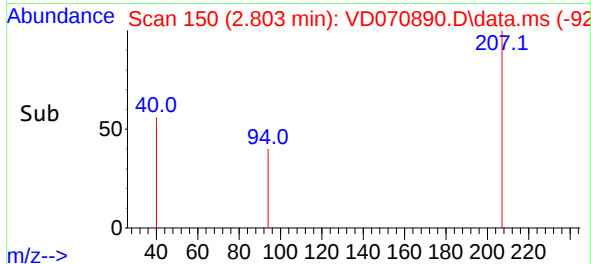
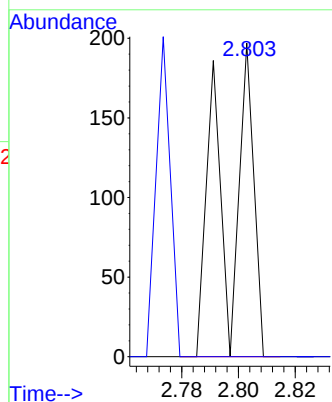
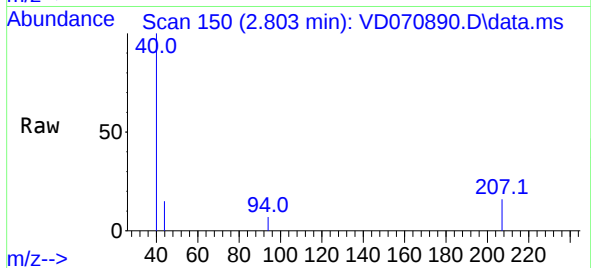




#5
Bromomethane
Concen: Below Cal
RT: 2.803 min Scan# 150
Delta R.T. 0.041 min
Lab File: VD070890.D
Acq: 28 Oct 2021 14:01

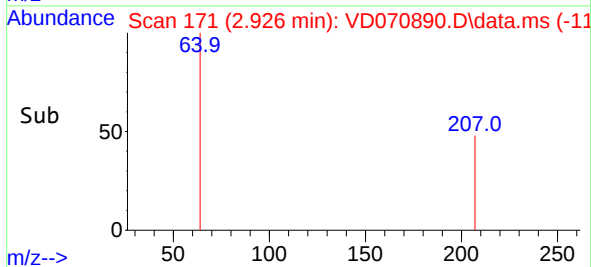
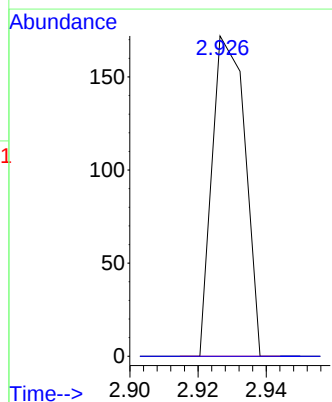
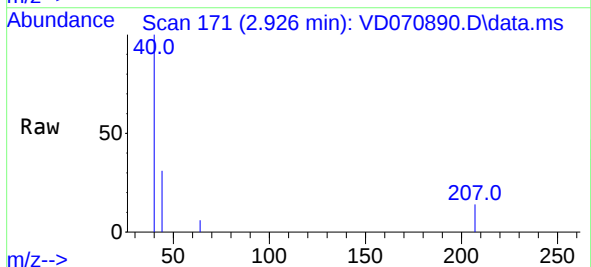
Instrument :
MSVOA_D
ClientSampleId :
SB-3RE

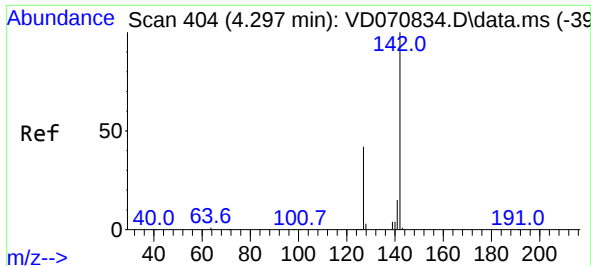
Tgt Ion: 94 Resp: 135
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#



#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

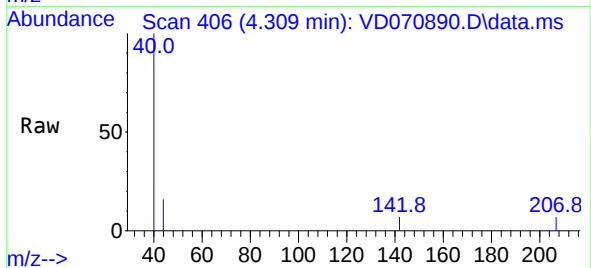
Tgt Ion: 64 Resp: 115
Ion Ratio Lower Upper
64 100
66 0.0 29.0 43.4#



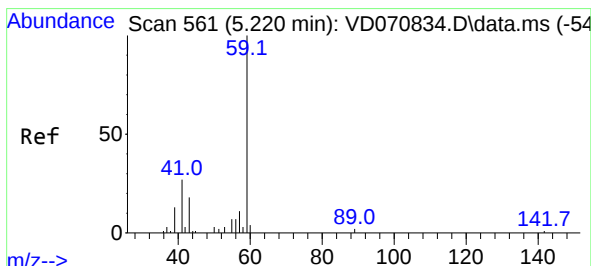
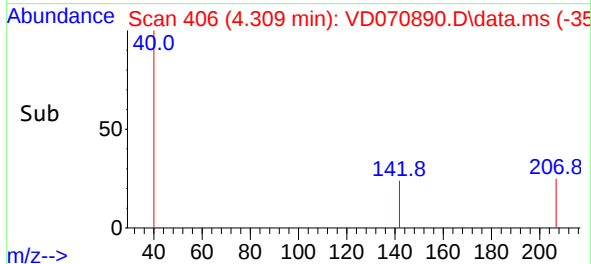
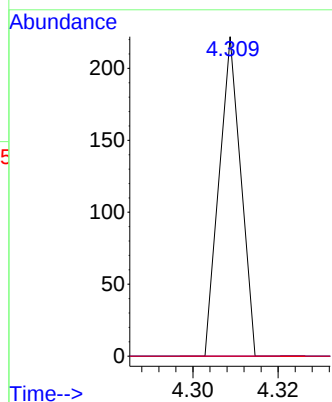


#10
Methyl Iodide
Concen: 4.257 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD070890.D
Acq: 28 Oct 2021 14:01

Instrument :
MSVOA_D
ClientSampled :
SB-3RE

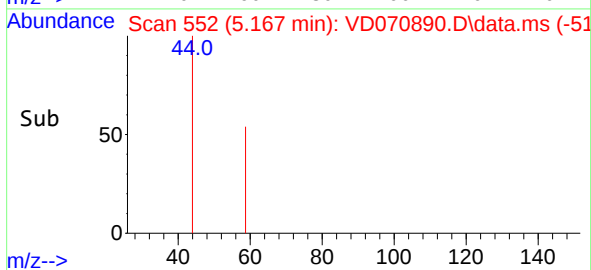
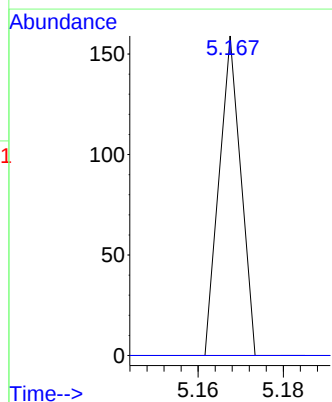
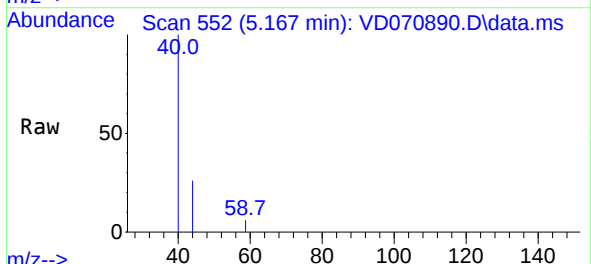


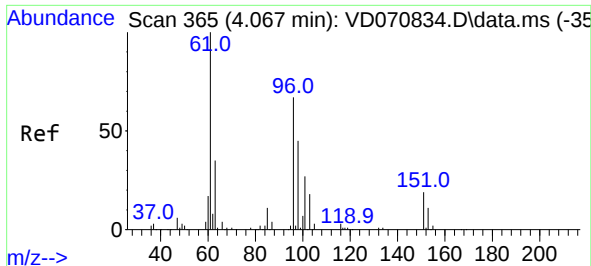
Tgt Ion:142 Resp: 78
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#



#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

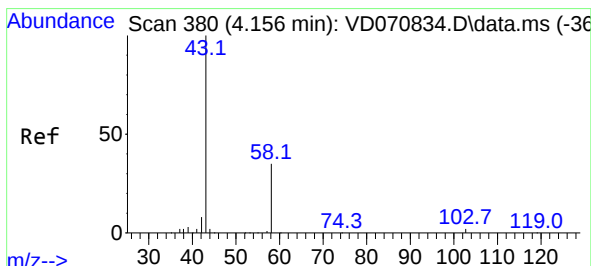
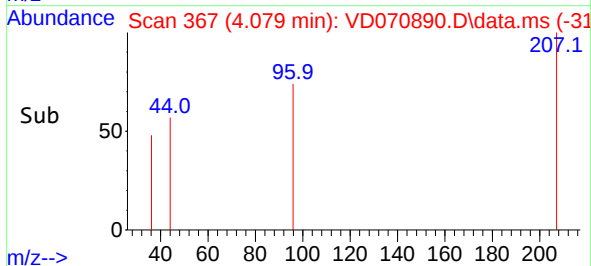
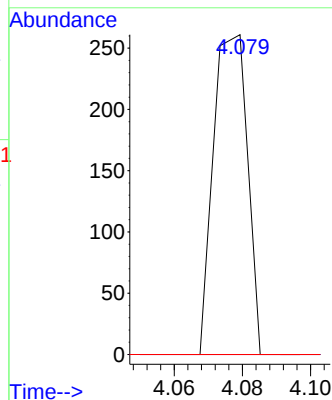
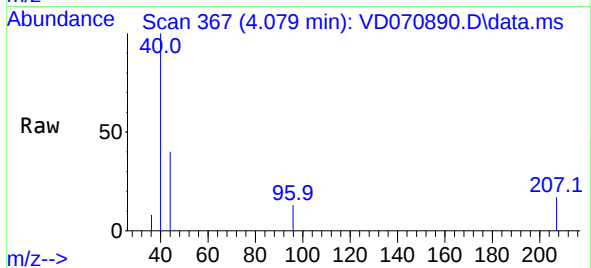
Instrument :

MSVOA_D

ClientSampleId :

SB-3RE

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

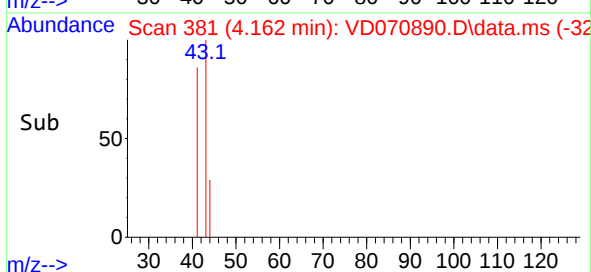
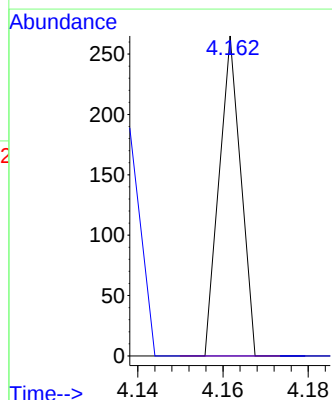
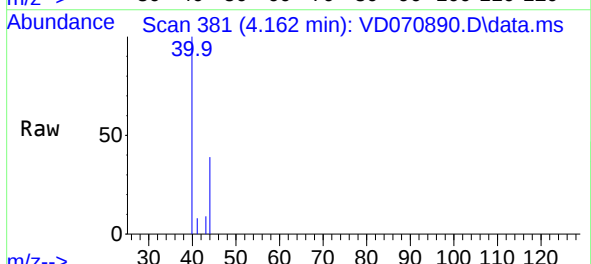
RT: 4.162 min Scan# 381

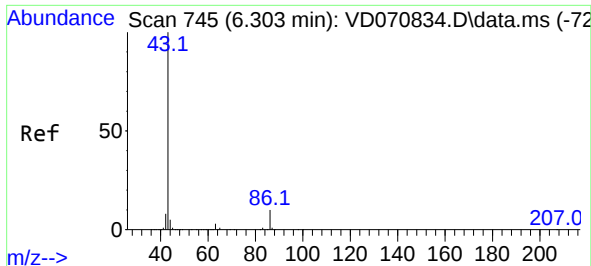
Delta R.T. 0.006 min

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#

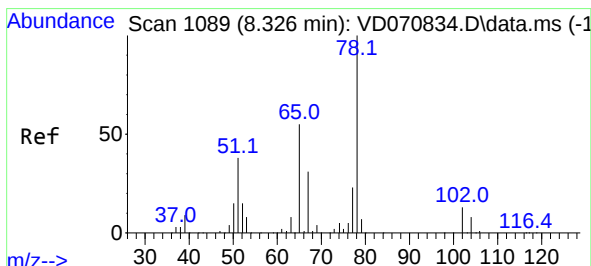
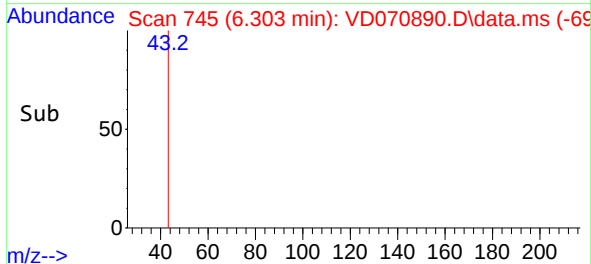
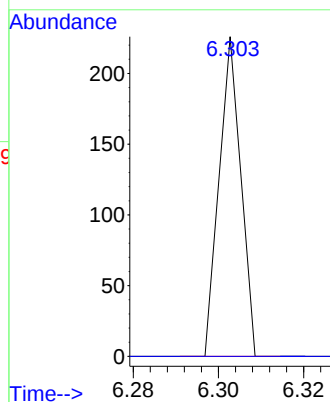
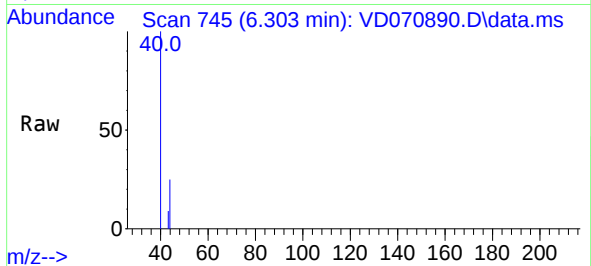




#23
 Vinyl Acetate
 Concen: 14.908 ug/l
 RT: 6.303 min Scan# 745
 Delta R.T. -0.000 min
 Lab File: VD070890.D
 Acq: 28 Oct 2021 14:01

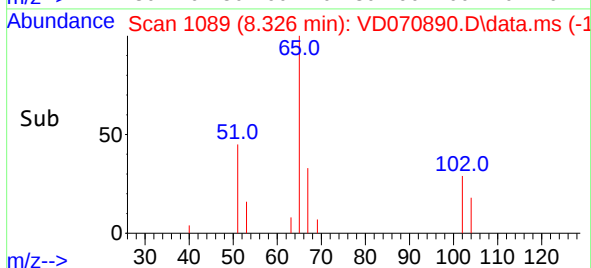
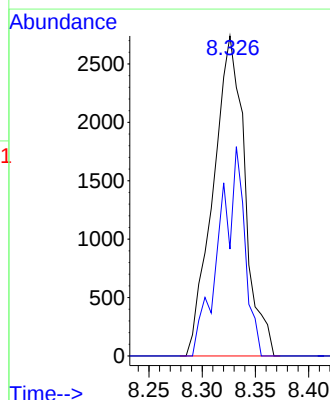
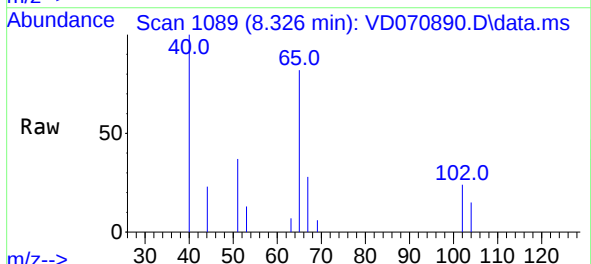
Instrument :
 MSVOA_D
 ClientSampleID :
 SB-3RE

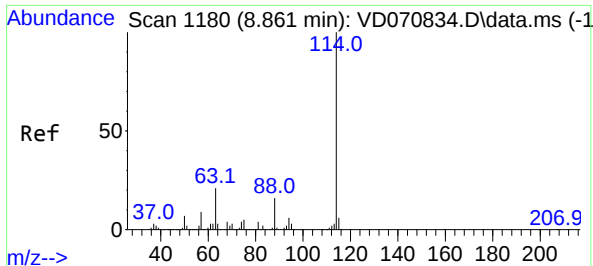
Tgt Ion: 43 Resp: 80
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#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



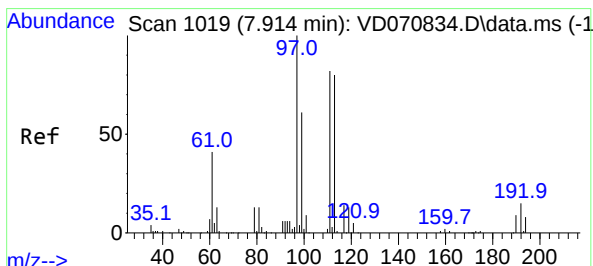
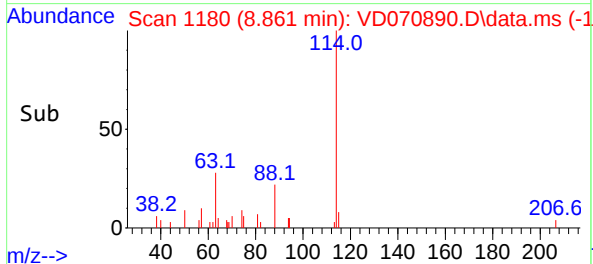
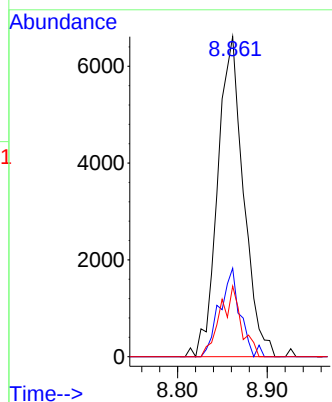
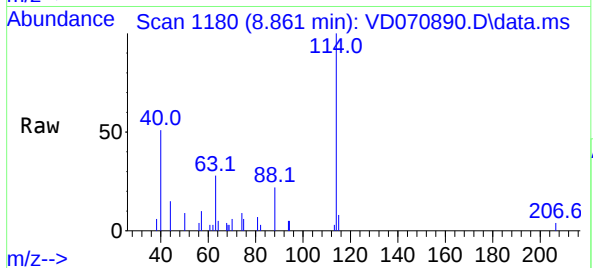


#34

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
ClientSampleId :
SB-3RE

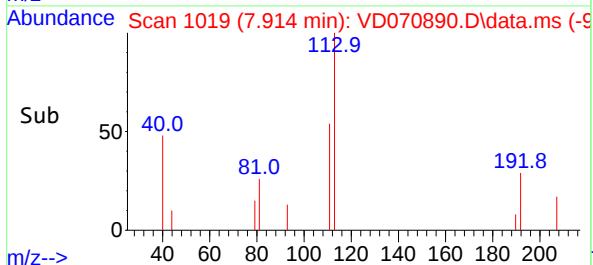
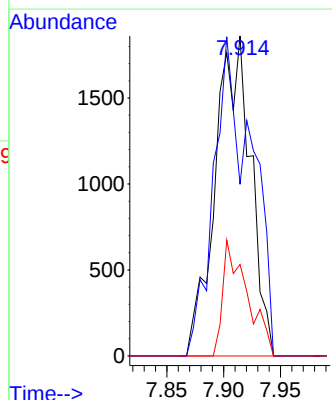
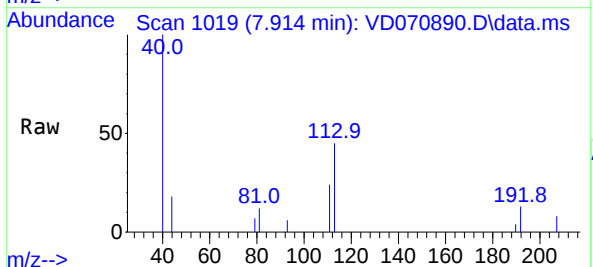
Tgt Ion:	114	Resp:	13192
Ion	Ratio	Lower	Upper
114	100		
63	27.7	0.0	41.8
88	22.1	0.0	32.8

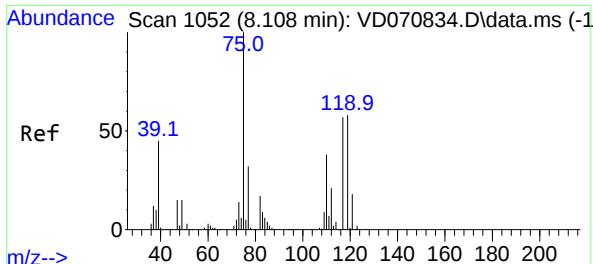


#35

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#



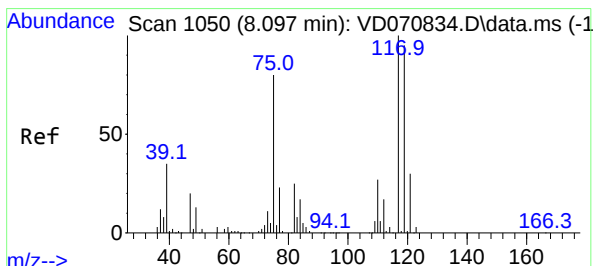
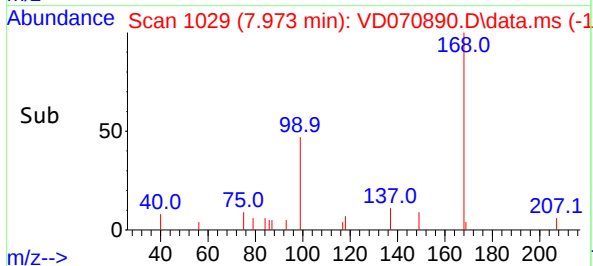
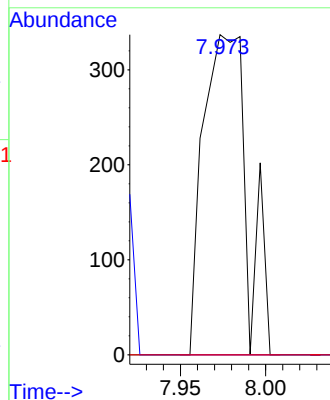
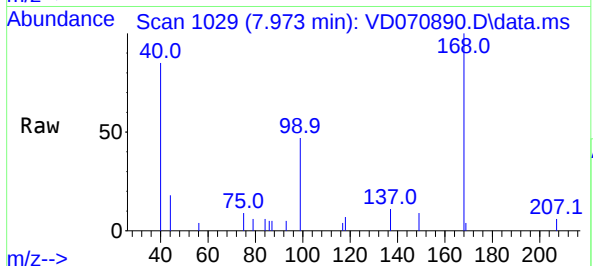


#36
1,1-Dichloropropene
Concen: 4.383 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070890.D
Acq: 28 Oct 2021 14:01

Instrument :
MSVOA_D
ClientSampled :
SB-3RE

Tgt Ion: 75 Resp: 605

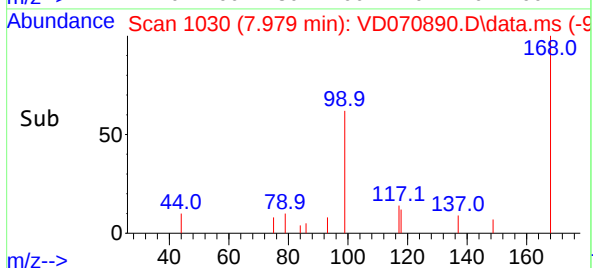
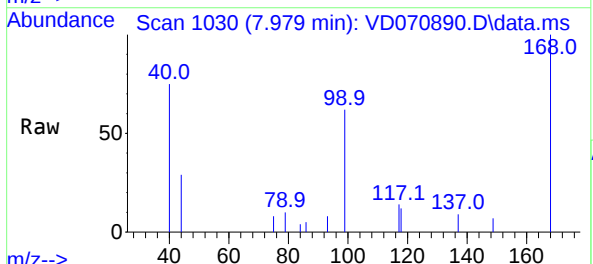
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.8	53.4#
77	0.0	24.8	37.2#

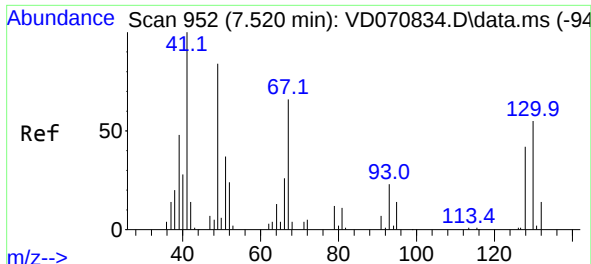


#38
Carbon Tetrachloride
Concen: 3.055 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.117 min
Lab File: VD070890.D
Acq: 28 Oct 2021 14:01

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#



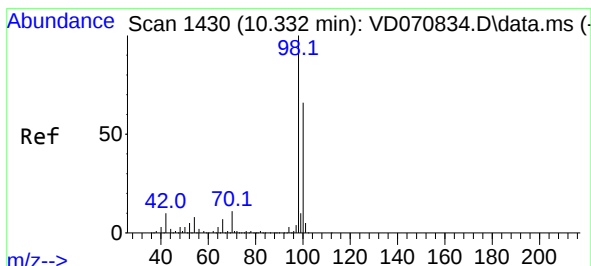
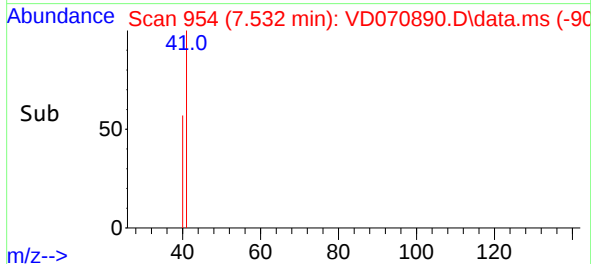
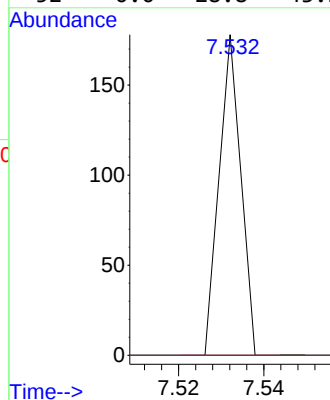
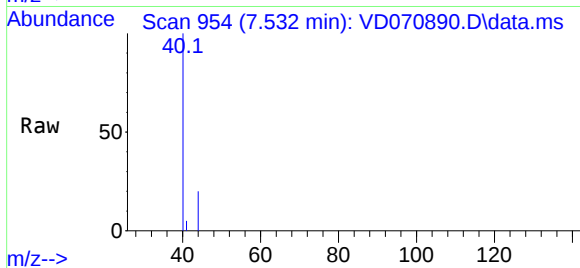


#41
Methacrylonitrile
Concen: 2.321 ug/l
RT: 7.532 min Scan# 954
Delta R.T. 0.012 min
Lab File: VD070890.D
Acq: 28 Oct 2021 14:01

Instrument :
MSVOA_D
ClientSampled :
SB-3RE

Tgt Ion: 41 Resp: 63

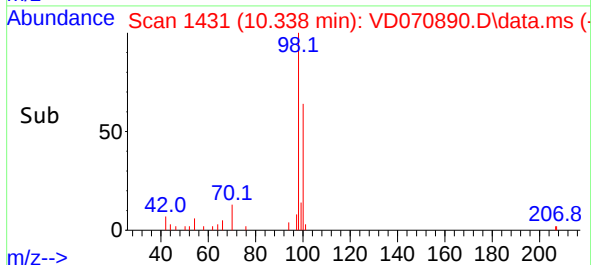
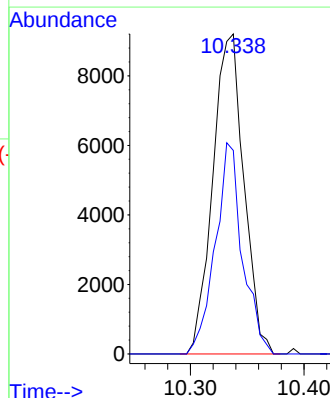
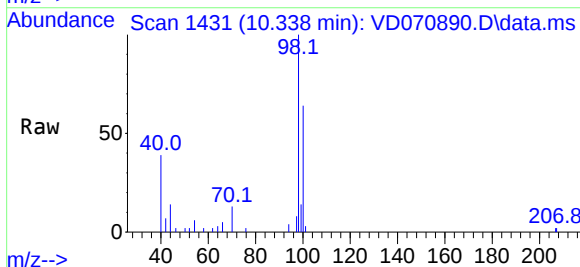
Ion	Ratio	Lower	Upper
41	100		
39	0.0	60.2	90.4#
67	0.0	74.8	112.2#
52	0.0	28.8	43.2#

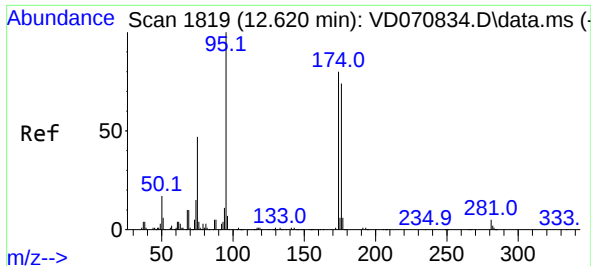


#50
Toluene-d8
Concen: 53.542 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070890.D
Acq: 28 Oct 2021 14:01

Tgt Ion: 98 Resp: 17521

Ion	Ratio	Lower	Upper
98	100		
100	57.7	51.8	77.6



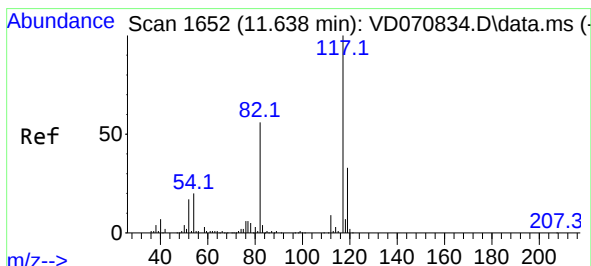
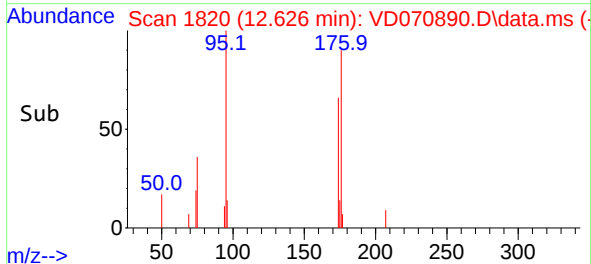
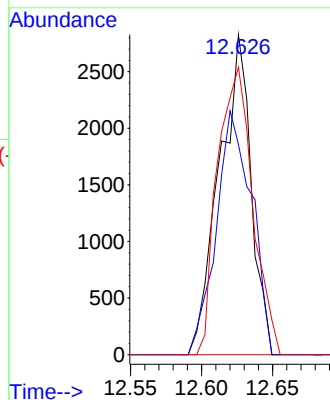
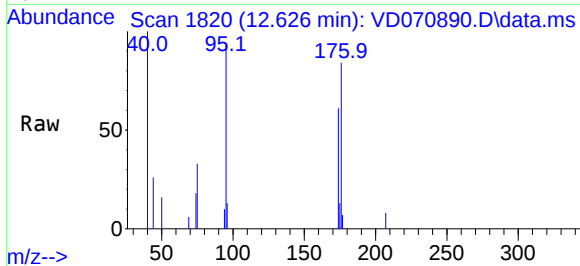


#62
4-Bromofluorobenzene
Concen: 40.622 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD070890.D
Acq: 28 Oct 2021 14:01

Instrument :
MSVOA_D
ClientSampled :
SB-3RE

Tgt Ion: 95 Resp: 4386

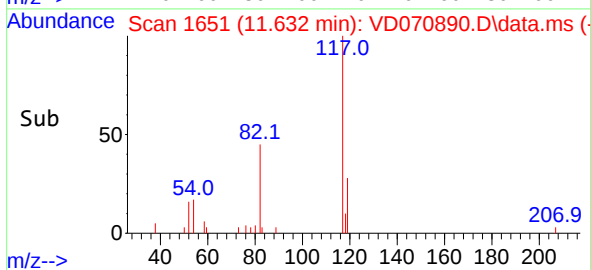
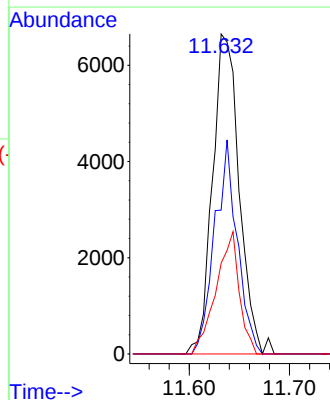
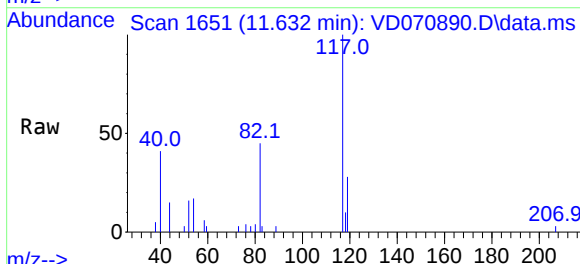
Ion	Ratio	Lower	Upper
95	100		
174	85.0	0.0	159.4
176	99.9	0.0	154.0

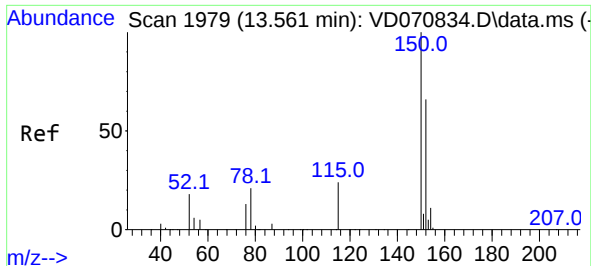


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD070890.D
Acq: 28 Oct 2021 14:01

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

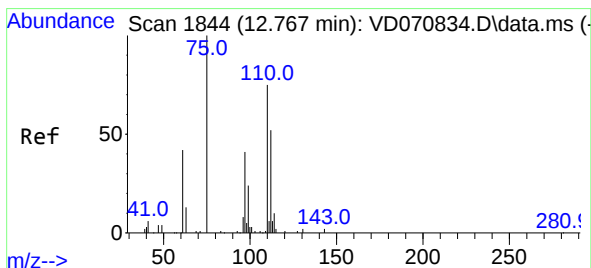
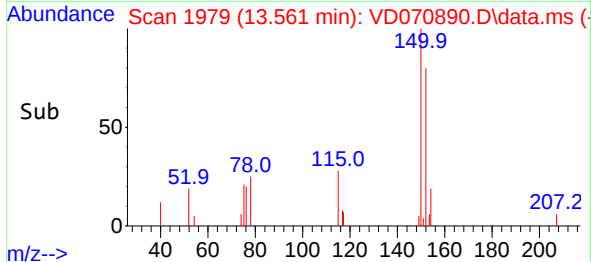
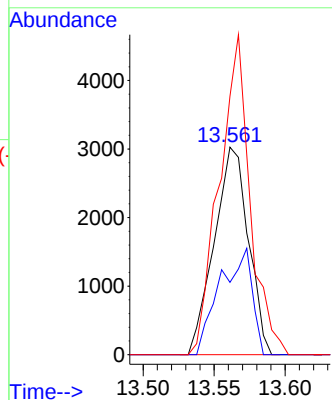
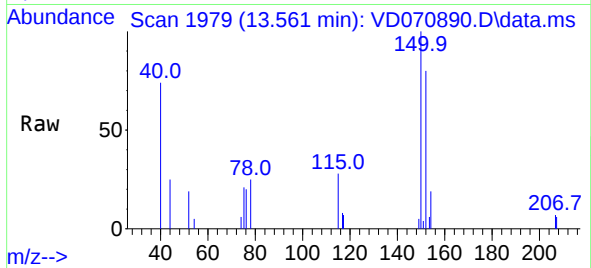




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070890.D
Acq: 28 Oct 2021 14:01

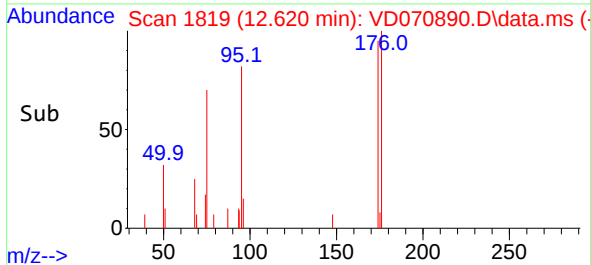
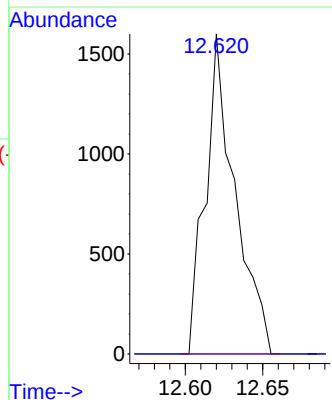
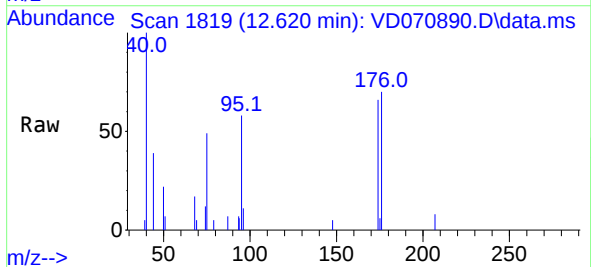
Instrument :
MSVOA_D
ClientSampleId :
SB-3RE

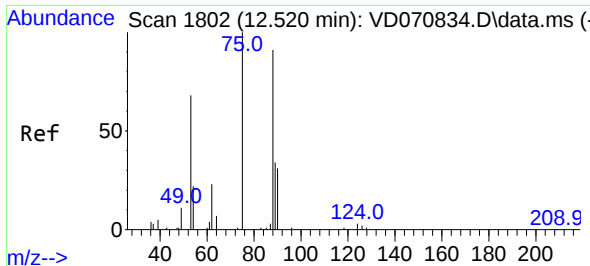
Tgt Ion:152 Resp: 5068
Ion Ratio Lower Upper
152 100
115 48.3 29.8 89.3
150 138.9 0.0 349.2



#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

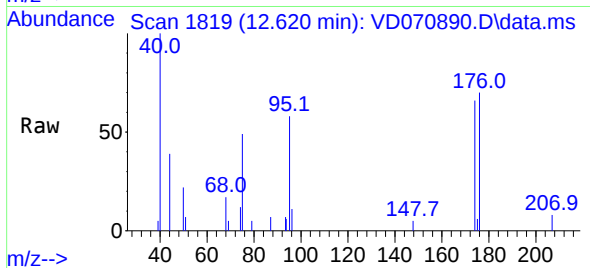
Tgt Ion: 75 Resp: 2120
Ion Ratio Lower Upper
75 100
77 0.0 158.4 475.3#



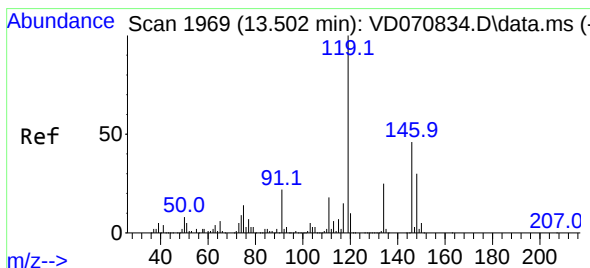
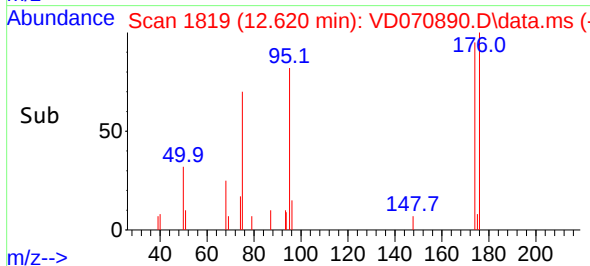
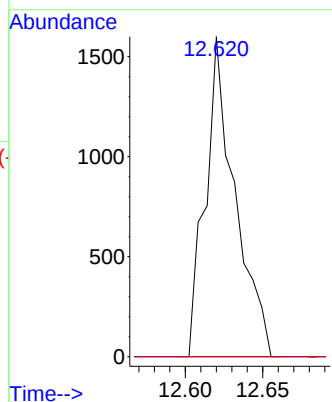


#81
trans-1,4-Dichloro-2-butene
Concen: 111.530 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070890.D
Acq: 28 Oct 2021 14:01

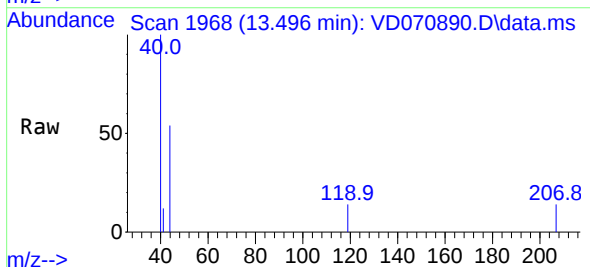
Instrument :
MSVOA_D
ClientSampled :
SB-3RE



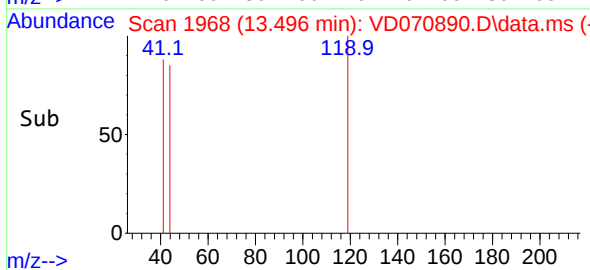
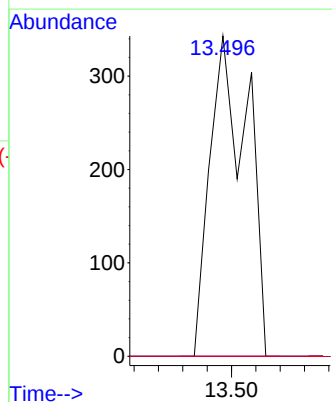
Tgt Ion: 75 Resp: 2120
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#

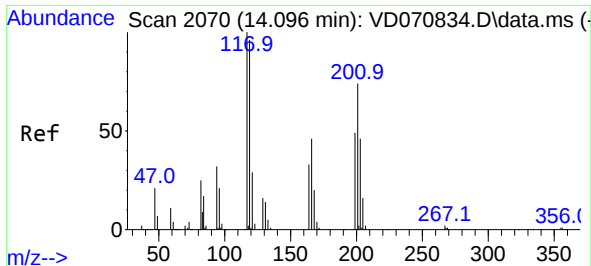


#86
p-Isopropyltoluene
Concen: 1.206 ug/l
RT: 13.496 min Scan# 1968
Delta R.T. -0.006 min
Lab File: VD070890.D
Acq: 28 Oct 2021 14:01



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#

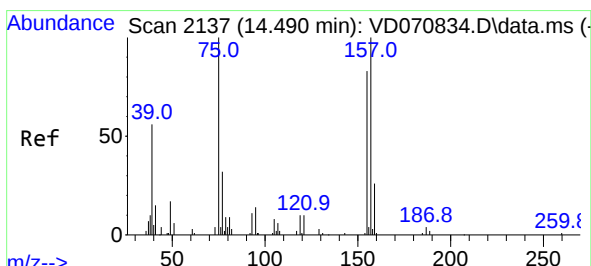
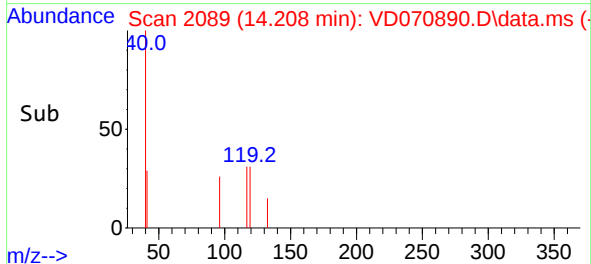
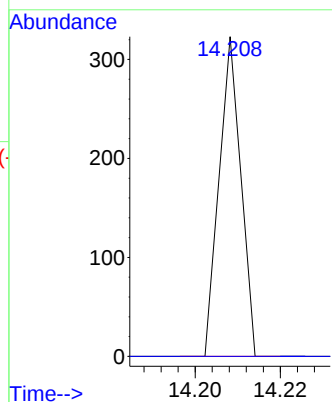
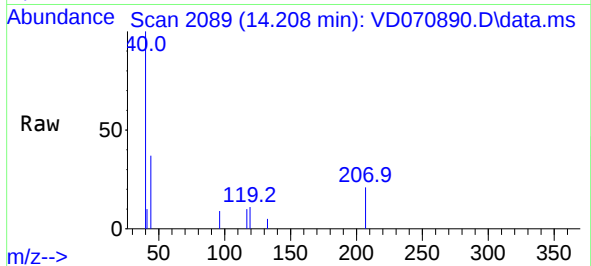




#90
Hexachloroethane
Concen: 1.674 ug/l
RT: 14.208 min Scan# 2089
Delta R.T. 0.112 min
Lab File: VD070890.D
Acq: 28 Oct 2021 14:01

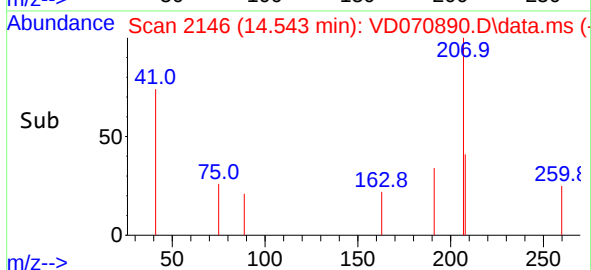
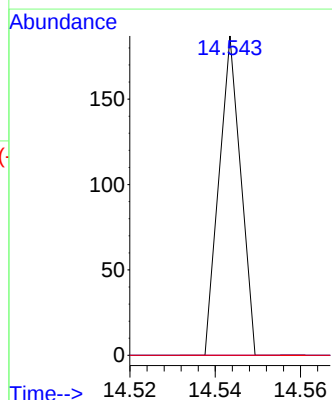
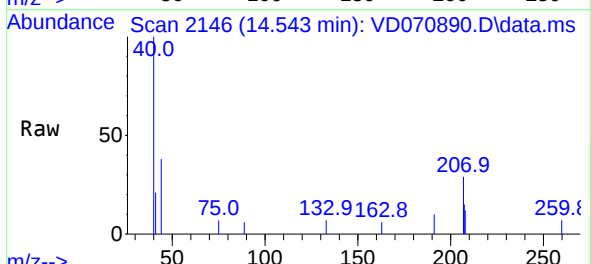
Instrument :
MSVOA_D
ClientSampleId :
SB-3RE

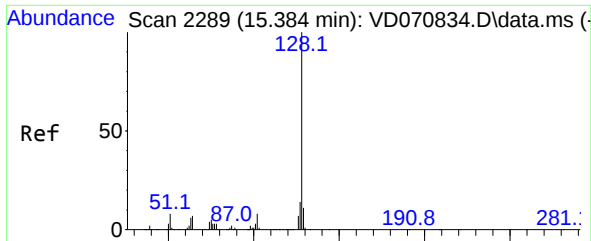
Tgt Ion:117 Resp: 114
Ion Ratio Lower Upper
117 100
201 0.0 36.0 108.1#



#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 :
SB-3RE

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#

