

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032921\
 Data File : VD068709.D
 Acq On : 29 Mar 2021 20:21
 Operator : VA/SY
 Sample : M1828-05
 Misc : 5.64G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FS-SB14(15-16)

Quant Time: Mar 30 01:07:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 20 02:00:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	16358	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.867	114	29742	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	33862	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	18598	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	13229	80.20	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	160.40%
35) Dibromofluoromethane	7.914	113	8507	45.97	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.94%
50) Toluene-d8	10.338	98	37090	51.99	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.98%
62) 4-Bromofluorobenzene	12.632	95	15735	68.02	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	136.04%

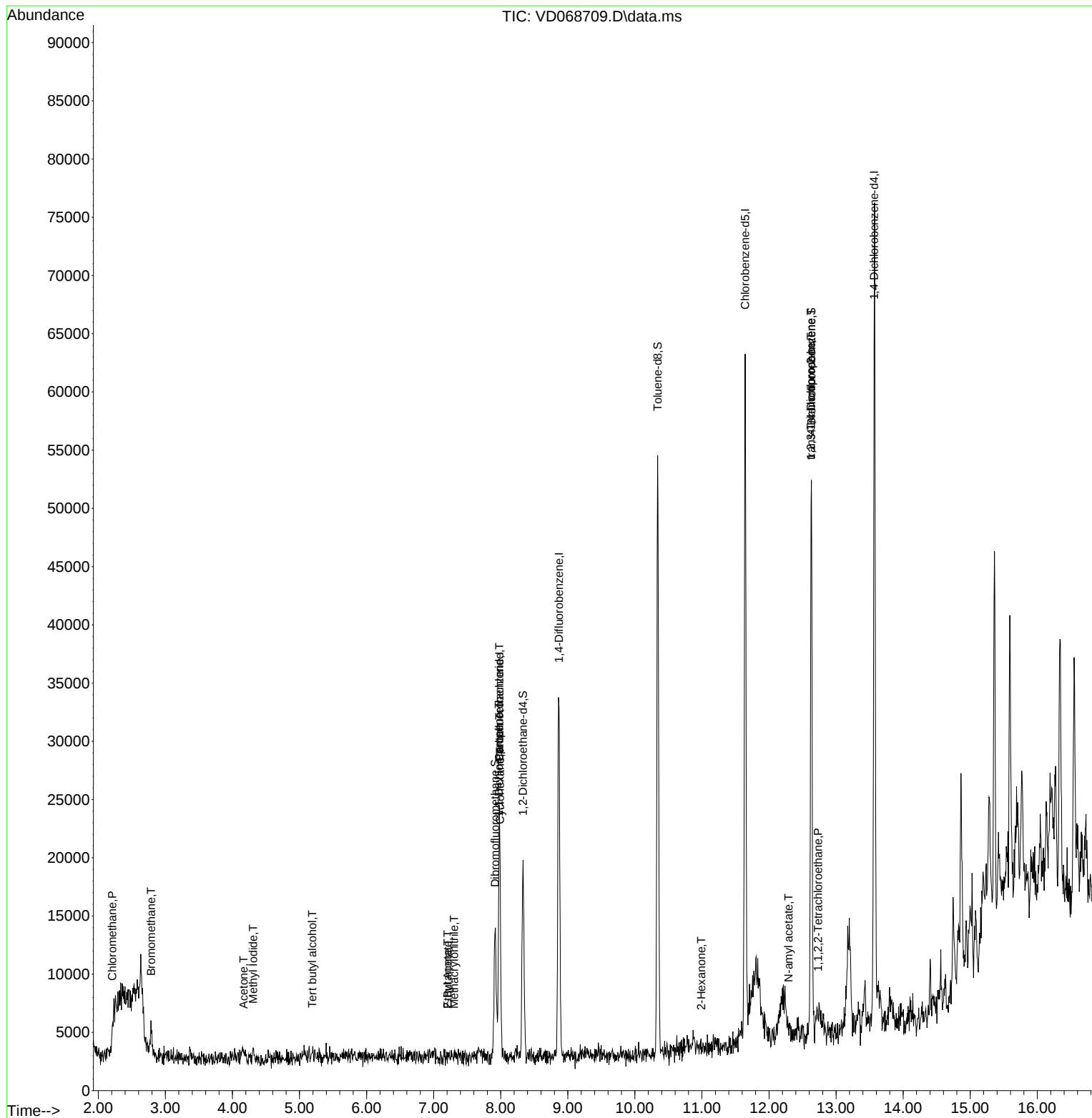
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.209	50	689	4.37	ug/l	# 72
5) Bromomethane	2.785	94	1744	12.67	ug/l	# 62
10) Methyl Iodide	4.309	142	1142	10.26	ug/l	# 49
11) Tert butyl alcohol	5.191	59	78	10.26	ug/l	# 73
16) Acetone	4.168	43	1819	90.90	ug/l	# 61
20) Methylene Chloride	4.973	84	65	Below Cal		# 5
25) 2-Butanone	7.209	43	145	4.37	ug/l	# 39
31) Cyclohexane	7.991	56	288	1.08	ug/l	# 16
36) 1,1-Dichloropropene	7.973	75	1265	4.76	ug/l	# 41
37) Ethyl Acetate	7.209	43	145	1.73	ug/l	# 64
38) Carbon Tetrachloride	7.979	117	1670	6.30	ug/l	# 12
41) Methacrylonitrile	7.303	41	61	1.24	ug/l	# 21
59) 2-Hexanone	10.991	43	75	1.33	ug/l	# 19
74) N-amyl acetate	12.291	43	357	1.68	ug/l	# 59
75) 1,1,2,2-Tetrachloroethane	12.732	83	249	1.10	ug/l	# 55
76) 1,2,3-Trichloropropane	12.626	75	7723	49.89	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.626	75	7723	113.51	ug/l	# 16

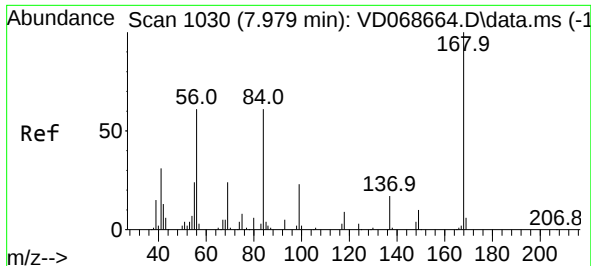
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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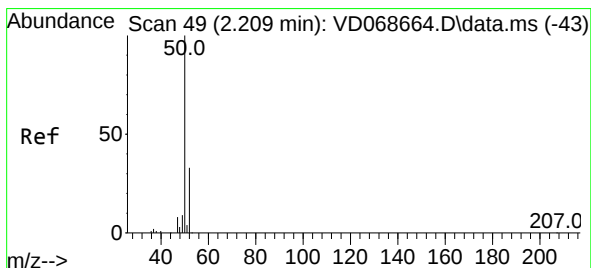
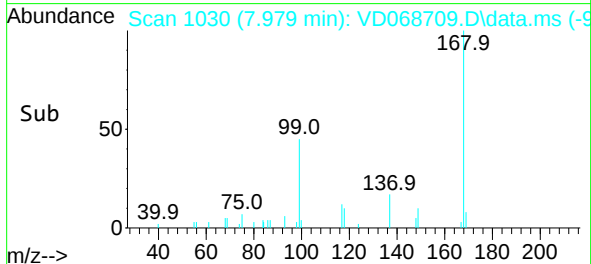
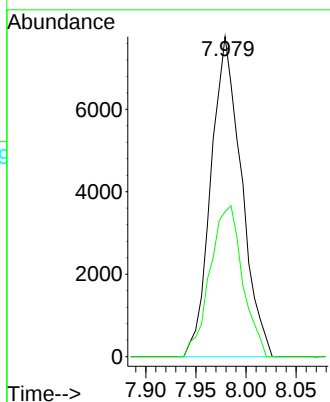
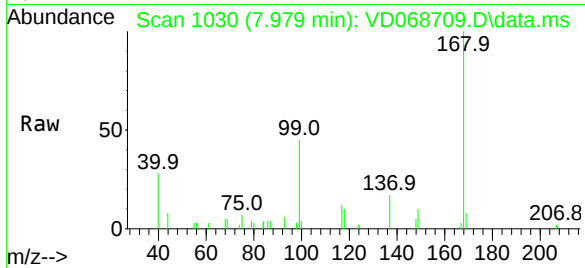




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD068709.D
Acq: 29 Mar 2021 20:21

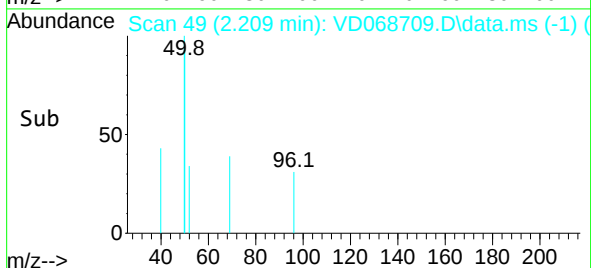
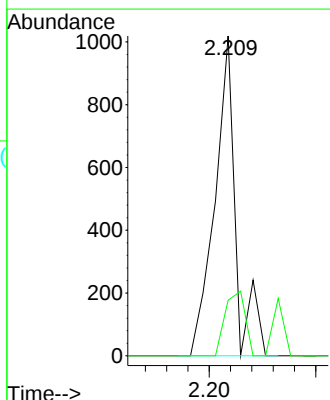
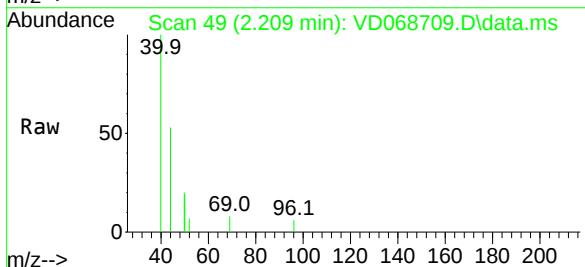
Instrument :
MSVOA_D
ClientSampleId :
FS-SB14(15-16)

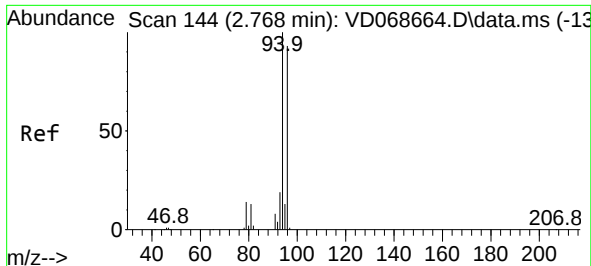
Tgt Ion:168 Resp: 16358
Ion Ratio Lower Upper
168 100
99 45.3 46.2 69.2#



#3
Chloromethane
Concen: 4.37 ug/l
RT: 2.209 min Scan# 49
Delta R.T. 0.000 min
Lab File: VD068709.D
Acq: 29 Mar 2021 20:21

Tgt Ion: 50 Resp: 689
Ion Ratio Lower Upper
50 100
52 17.4 26.7 40.1#

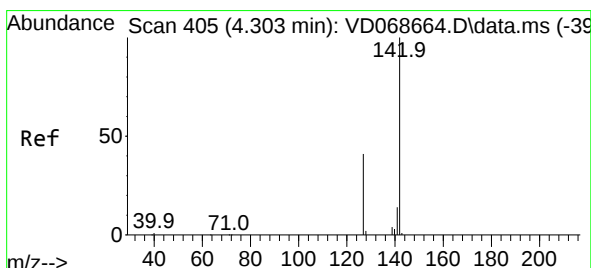
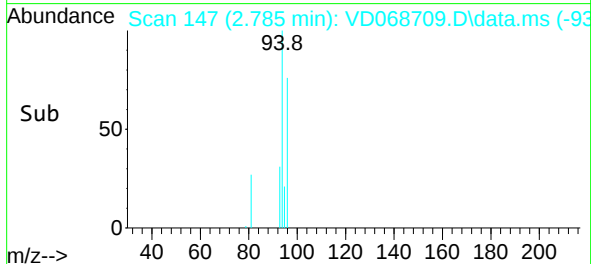
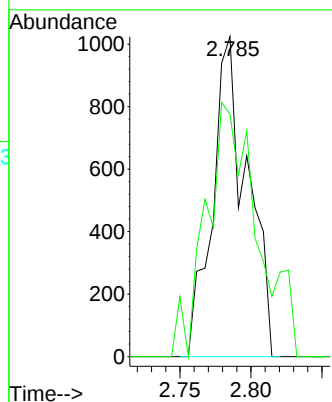
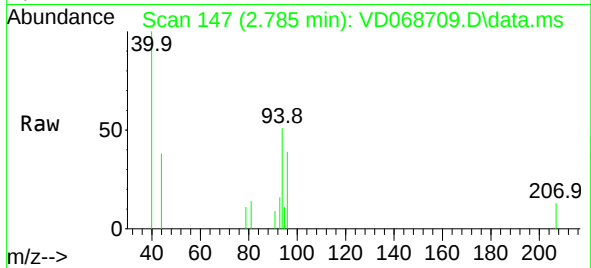




#5
Bromomethane
Concen: 12.67 ug/l
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD068709.D
Acq: 29 Mar 2021 20:21

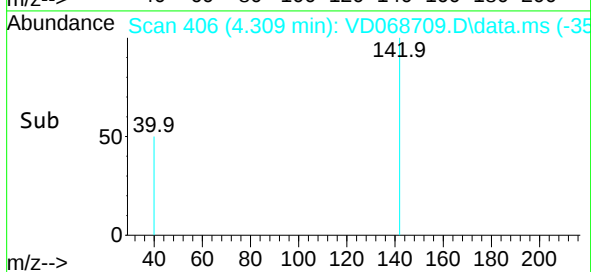
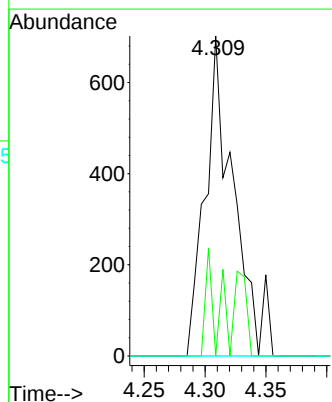
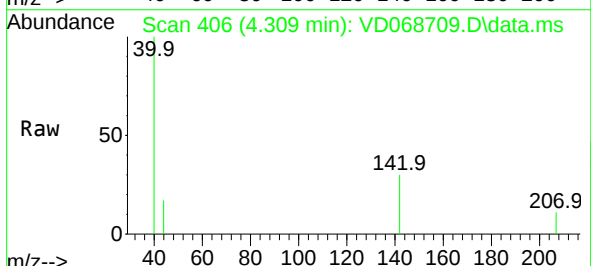
Instrument :
MSVOA_D
ClientSampleId :
FS-SB14(15-16)

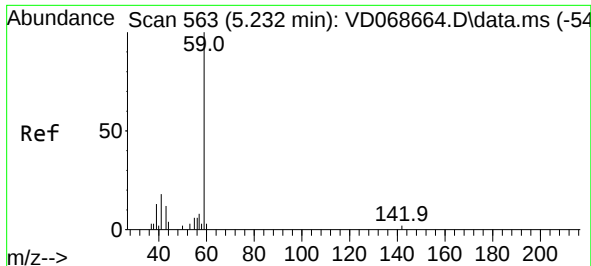
Tgt Ion: 94 Resp: 1744
Ion Ratio Lower Upper
94 100
96 57.0 74.7 112.1#



#10
Methyl Iodide
Concen: 10.26 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD068709.D
Acq: 29 Mar 2021 20:21

Tgt Ion:142 Resp: 1142
Ion Ratio Lower Upper
142 100
127 7.4 34.7 52.1#
141 0.0 11.0 16.4#



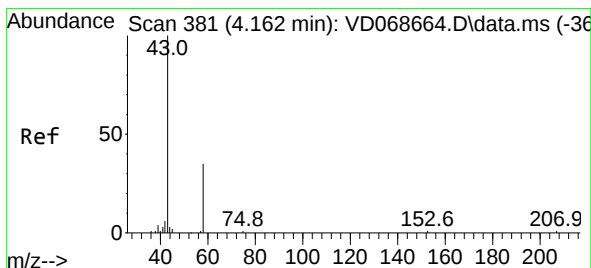
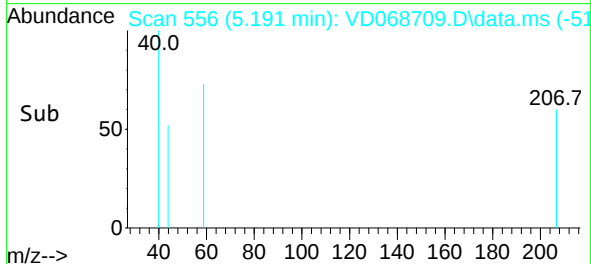
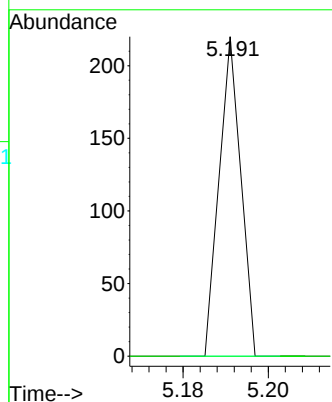
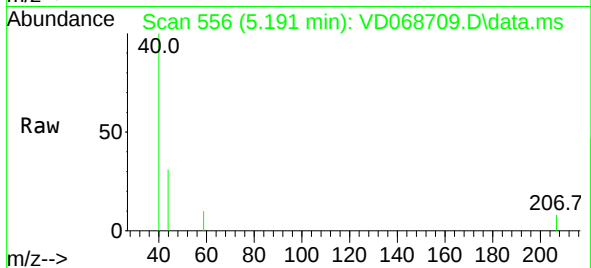


#11

Tert butyl alcohol
Concen: 10.26 ug/l
RT: 5.191 min Scan# 556
Delta R.T. -0.041 min
Lab File: VD068709.D
Acq: 29 Mar 2021 20:21

Instrument :
MSVOA_D
ClientSampleId :
FS-SB14(15-16)

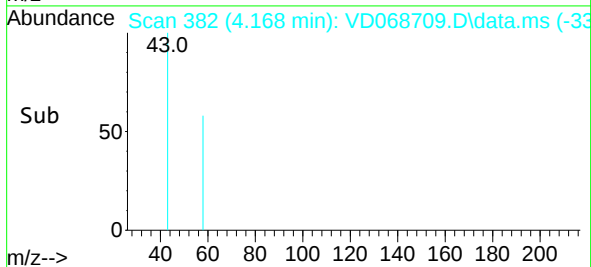
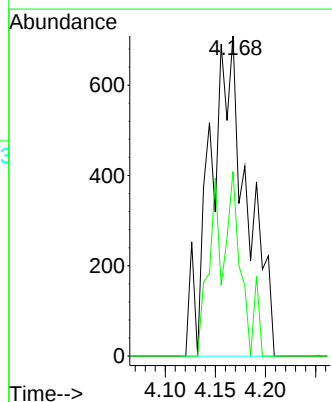
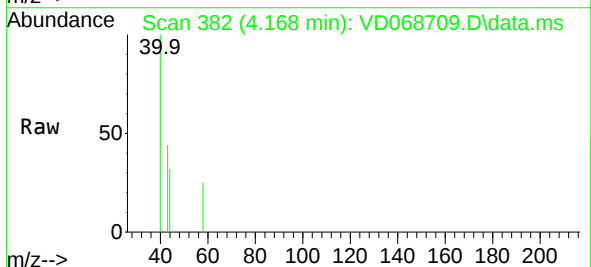
Tgt Ion: 59 Resp: 78
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

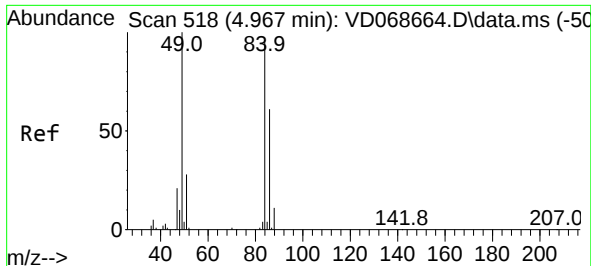


#16

Acetone
Concen: 90.90 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD068709.D
Acq: 29 Mar 2021 20:21

Tgt Ion: 43 Resp: 1819
Ion Ratio Lower Upper
43 100
58 57.7 28.0 42.0#

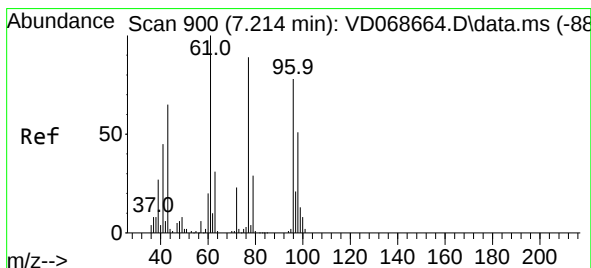
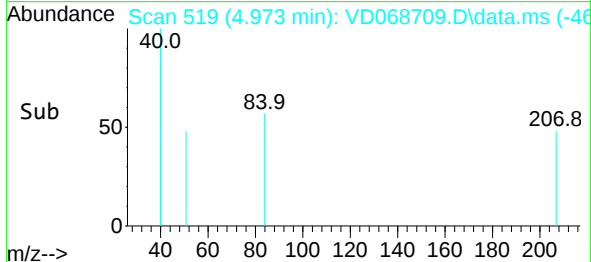
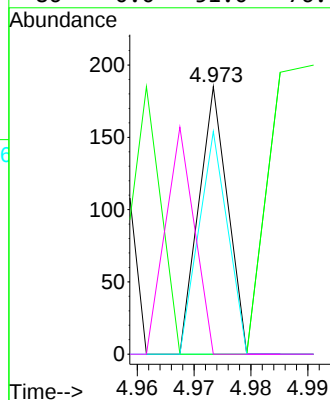
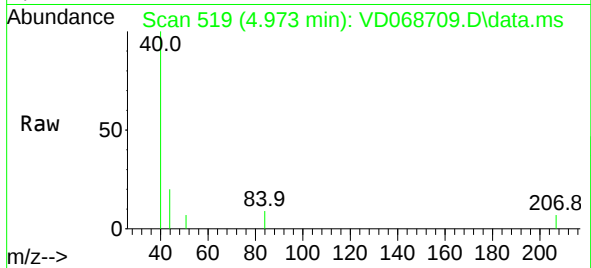




#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.006 min
Lab File: VD068709.D
Acq: 29 Mar 2021 20:21

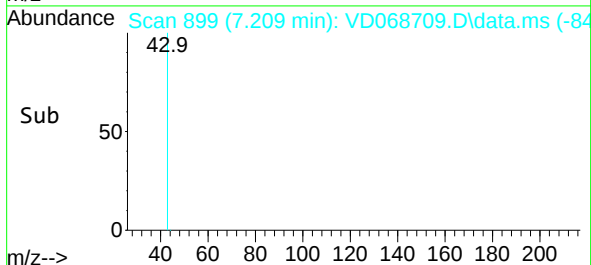
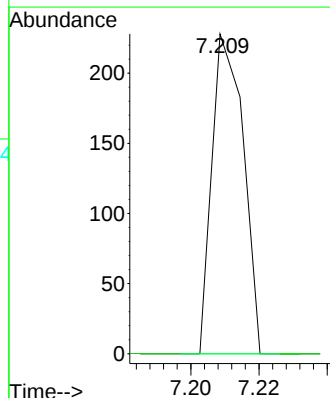
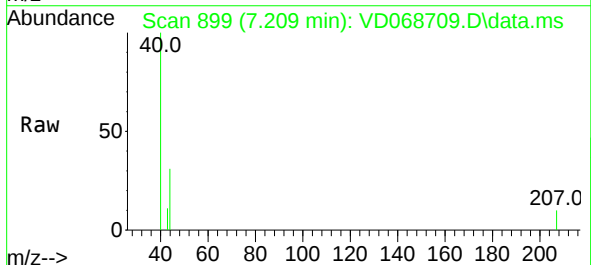
Instrument :
MSVOA_D
ClientSampleId :
FS-SB14(15-16)

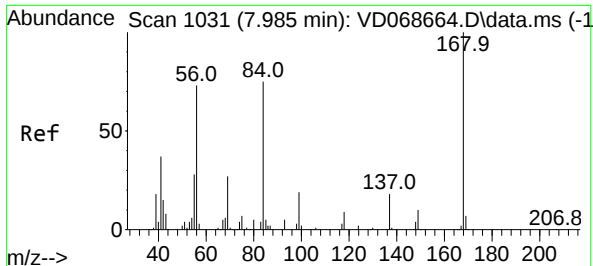
Tgt Ion: 84	Resp: 65
Ion Ratio	Lower Upper
84 100	
49 0.0	83.4 125.0#
51 83.2	23.4 35.2#
86 0.0	51.0 76.4#



#25
2-Butanone
Concen: 4.37 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD068709.D
Acq: 29 Mar 2021 20:21

Tgt Ion: 43	Resp: 145		
Ion Ratio	Lower	Upper	
43 100			
72 0.0	28.6	43.0#	

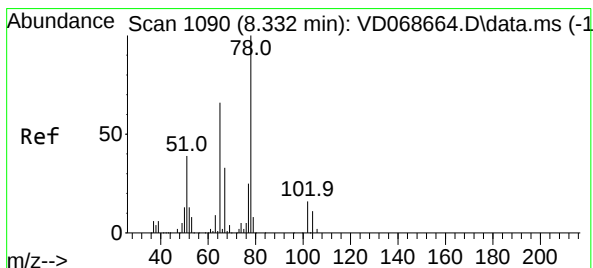
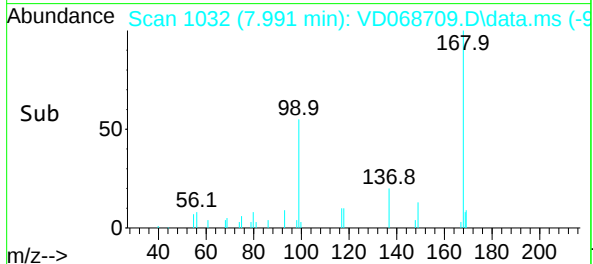
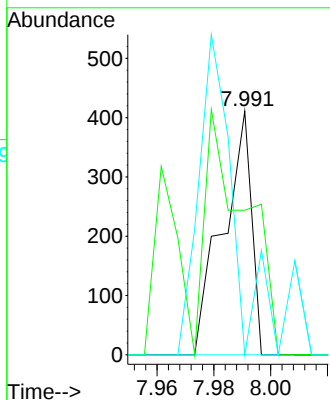
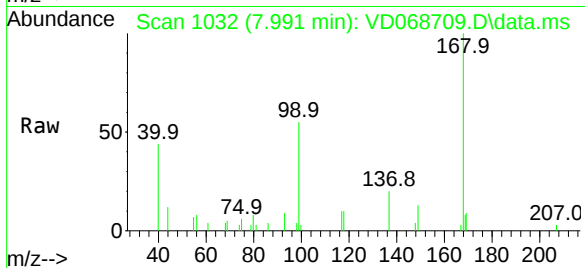




#31
Cyclohexane
Concen: 1.08 ug/l
RT: 7.991 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VD068709.D
Acq: 29 Mar 2021 20:21

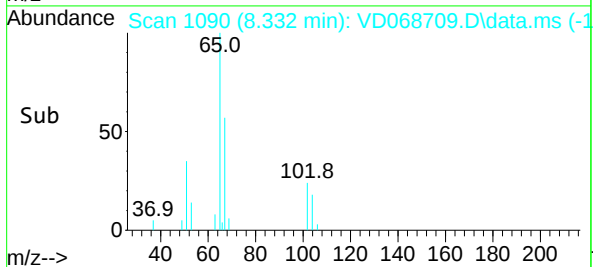
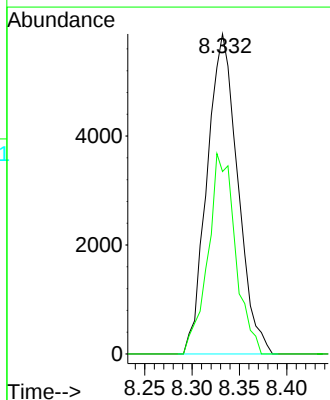
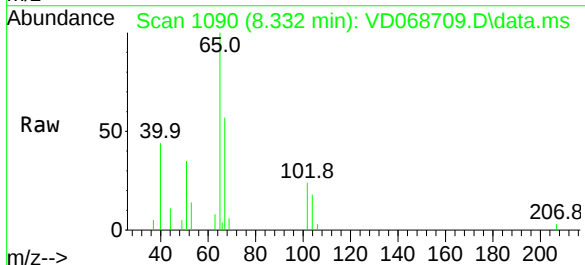
Instrument :
MSVOA_D
ClientSampleId :
FS-SB14(15-16)

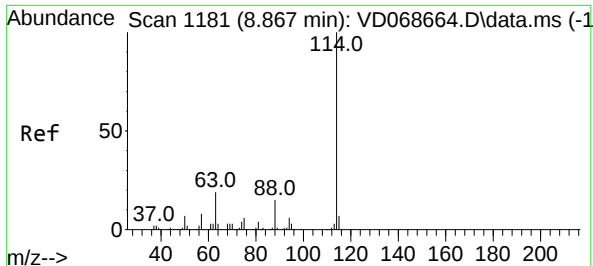
Tgt Ion: 56 Resp: 288
Ion Ratio Lower Upper
56 100
69 59.4 30.0 45.0#
84 0.0 82.0 123.0#



#33
1,2-Dichloroethane-d4
Concen: 80.20 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD068709.D
Acq: 29 Mar 2021 20:21

Tgt Ion: 65 Resp: 13229
Ion Ratio Lower Upper
65 100
67 56.0 0.0 106.0

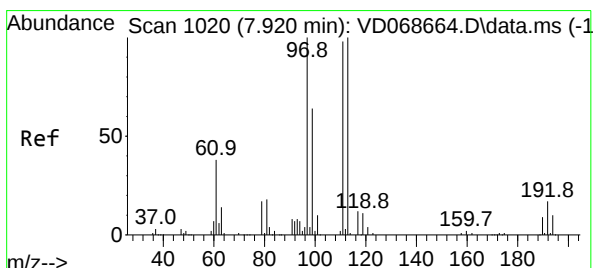
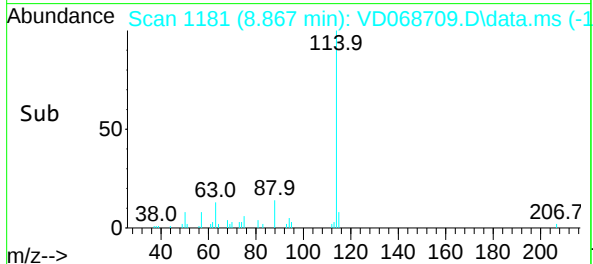
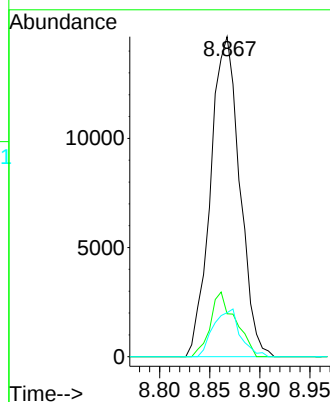
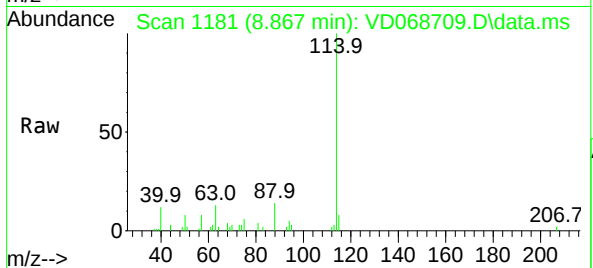




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068709.D
Acq: 29 Mar 2021 20:21

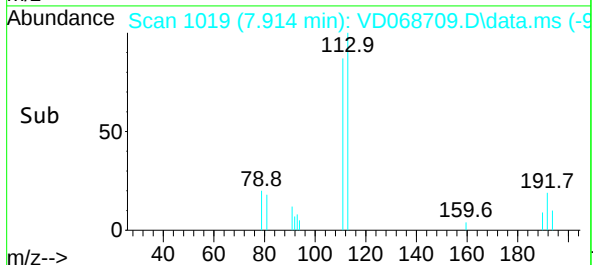
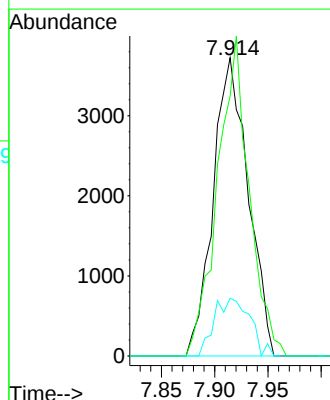
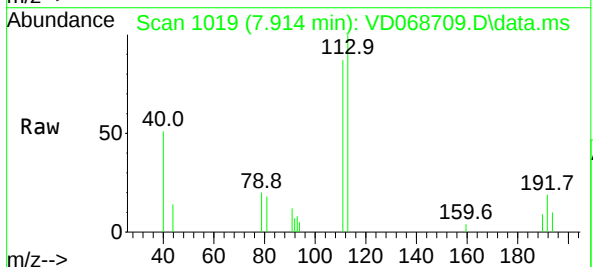
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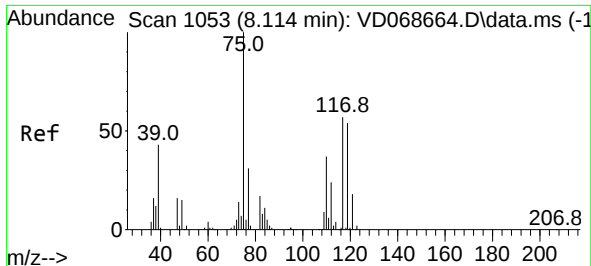
Tgt Ion:	114	Resp:	29742
Ion Ratio	Lower	Upper	
114	100		
63	13.4	0.0	38.2
88	13.8	0.0	29.4



#35
Dibromofluoromethane
Concen: 45.97 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD068709.D
Acq: 29 Mar 2021 20:21

Tgt Ion:	113	Resp:	8507
Ion Ratio	Lower	Upper	
113	100		
111	96.6	82.5	123.7
192	19.7	15.1	22.7

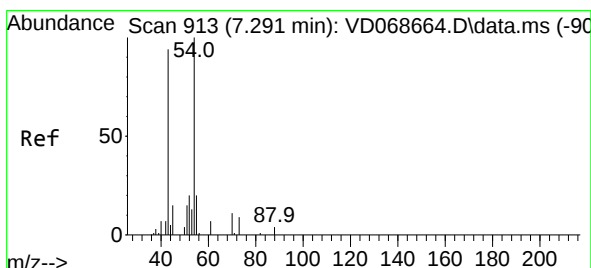
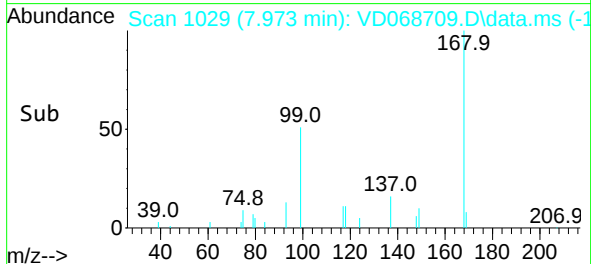
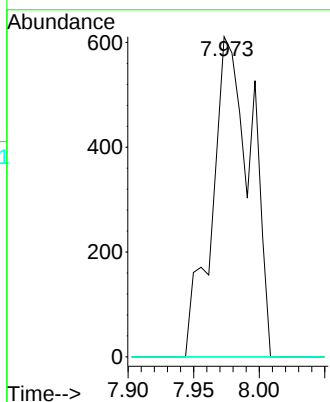
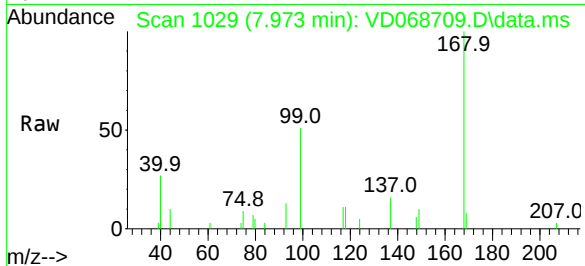




#36
1,1-Dichloropropene
Concen: 4.76 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.141 min
Lab File: VD068709.D
Acq: 29 Mar 2021 20:21

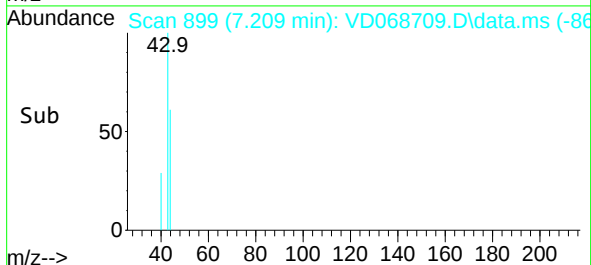
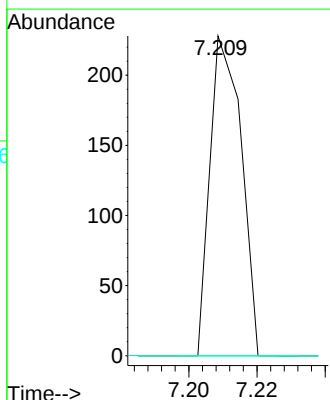
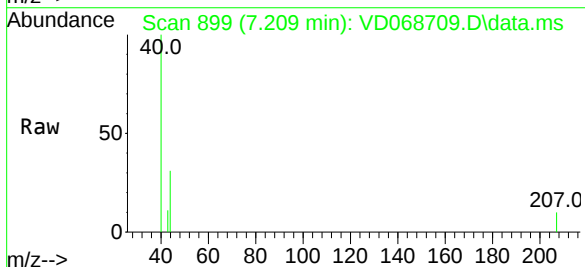
Instrument :
MSVOA_D
ClientSampleId :
FS-SB14(15-16)

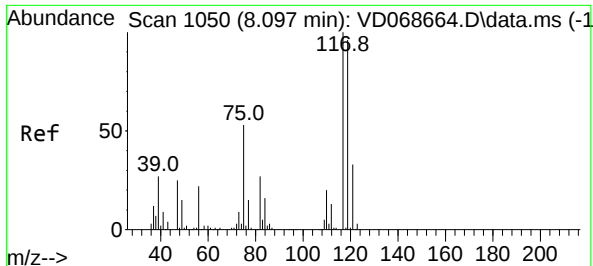
Tgt Ion: 75 Resp: 1265
Ion Ratio Lower Upper
75 100
110 0.0 18.1 54.4#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.73 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.082 min
Lab File: VD068709.D
Acq: 29 Mar 2021 20:21

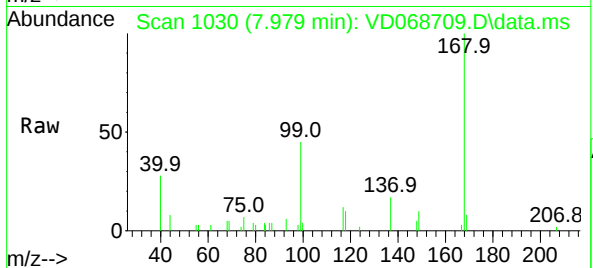
Tgt Ion: 43 Resp: 145
Ion Ratio Lower Upper
43 100
61 0.0 14.2 21.4#
70 0.0 9.4 14.0#



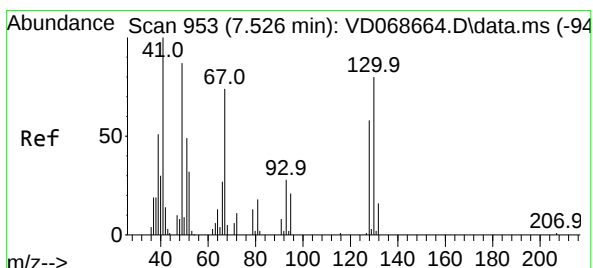
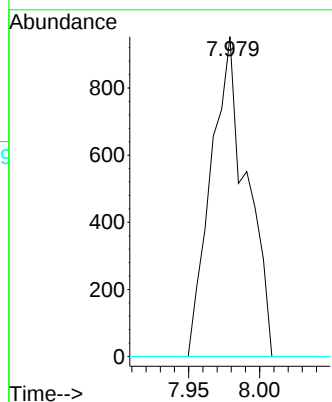
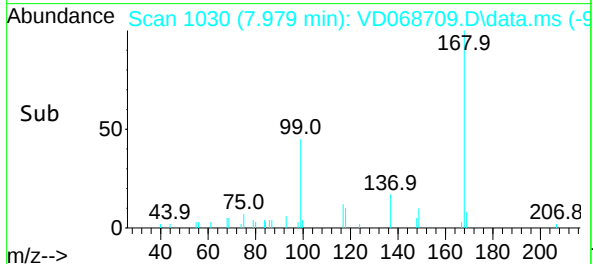


#38
Carbon Tetrachloride
Concen: 6.30 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD068709.D
Acq: 29 Mar 2021 20:21

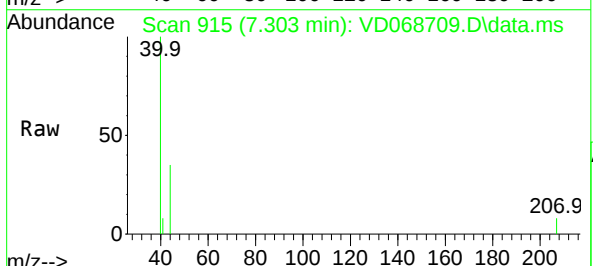
Instrument :
MSVOA_D
ClientSampleId :
FS-SB14(15-16)



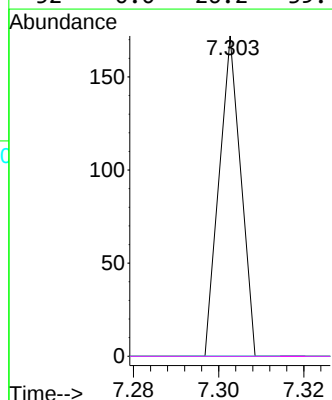
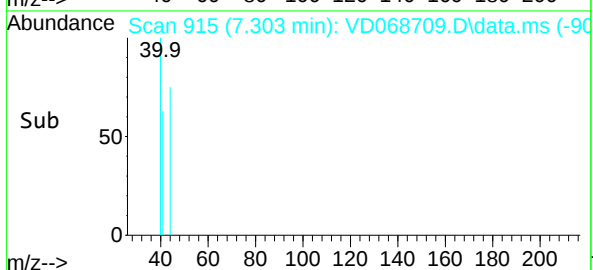
Tgt Ion:117 Resp: 1670
Ion Ratio Lower Upper
117 100
119 0.0 76.6 115.0#
121 0.0 26.1 39.1#

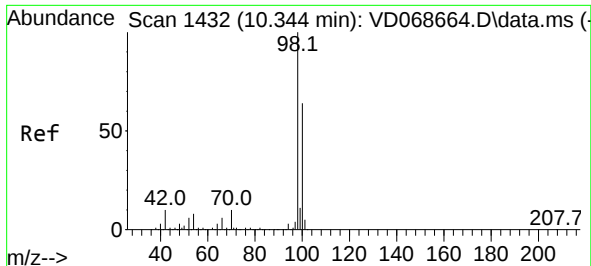


#41
Methacrylonitrile
Concen: 1.24 ug/l
RT: 7.303 min Scan# 915
Delta R.T. -0.223 min
Lab File: VD068709.D
Acq: 29 Mar 2021 20:21



Tgt Ion: 41 Resp: 61
Ion Ratio Lower Upper
41 100
39 0.0 43.2 64.8#
67 0.0 63.9 95.9#
52 0.0 26.2 39.4#

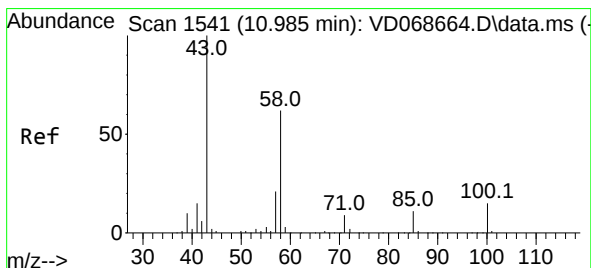
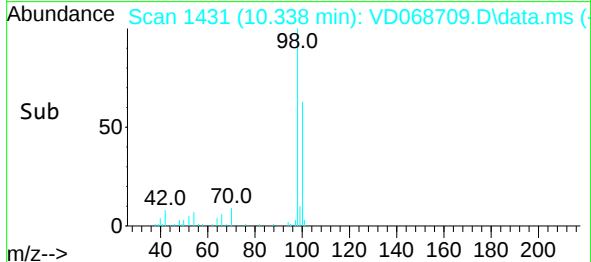
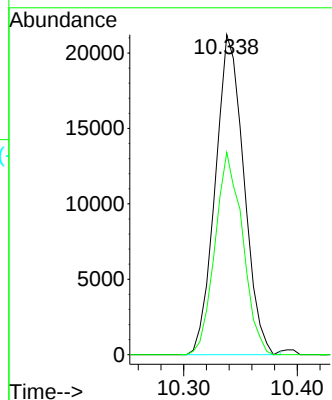
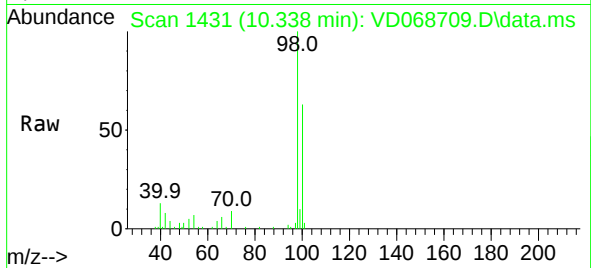




#50
Toluene-d8
Concen: 51.99 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD068709.D
Acq: 29 Mar 2021 20:21

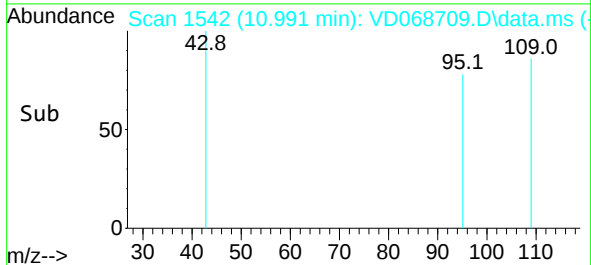
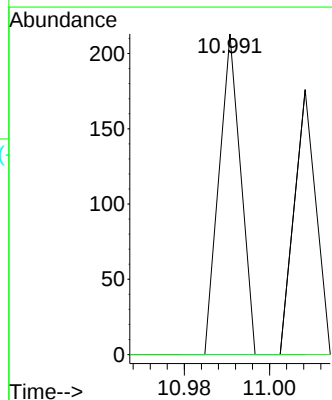
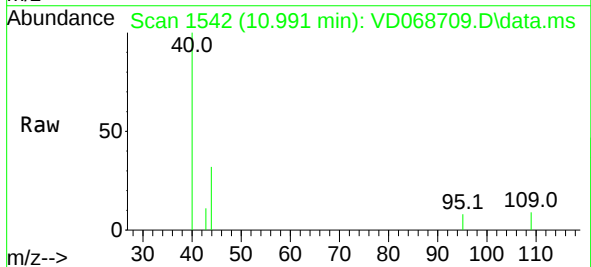
Instrument :
MSVOA_D
ClientSampleId :
FS-SB14(15-16)

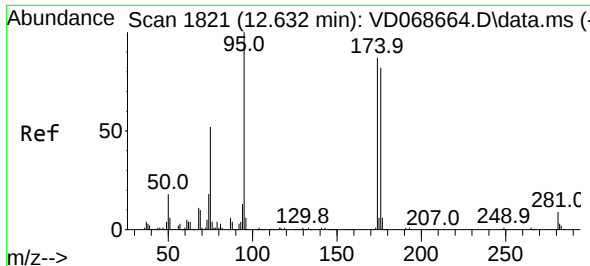
Tgt Ion: 98 Resp: 37090
Ion Ratio Lower Upper
98 100
100 61.1 51.8 77.6



#59
2-Hexanone
Concen: 1.33 ug/l
RT: 10.991 min Scan# 1542
Delta R.T. 0.006 min
Lab File: VD068709.D
Acq: 29 Mar 2021 20:21

Tgt Ion: 43 Resp: 75
Ion Ratio Lower Upper
43 100
58 0.0 31.3 93.8#

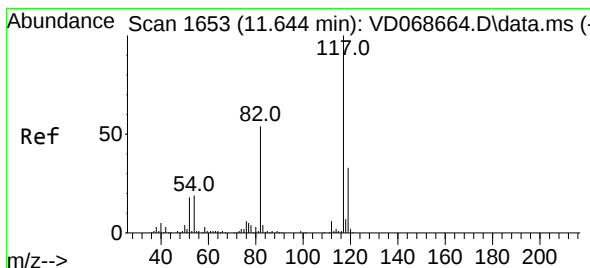
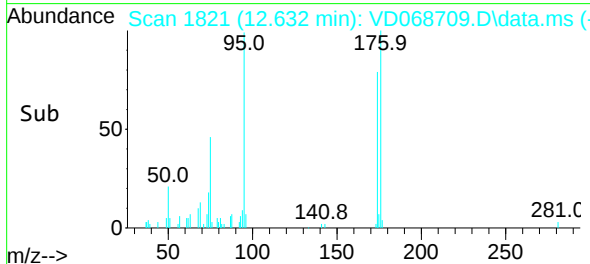
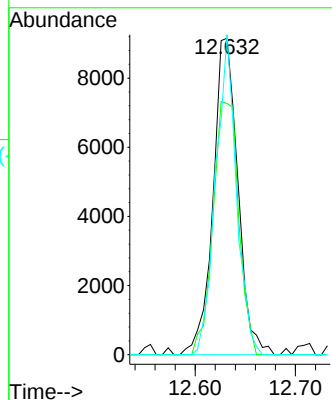
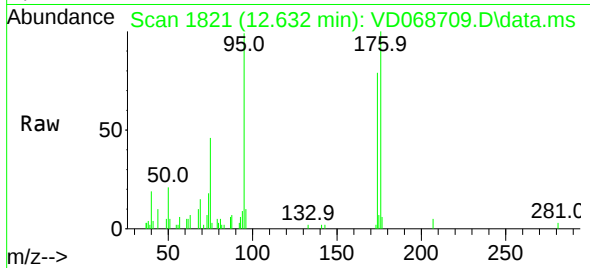




#62
4-Bromofluorobenzene
Concen: 68.02 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068709.D
Acq: 29 Mar 2021 20:21

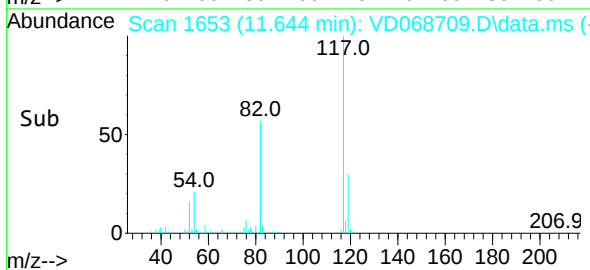
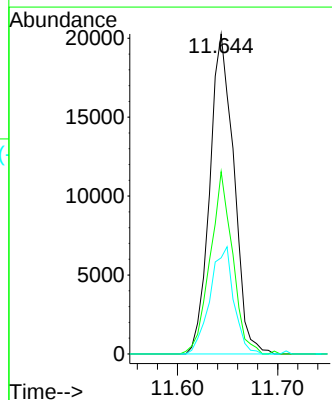
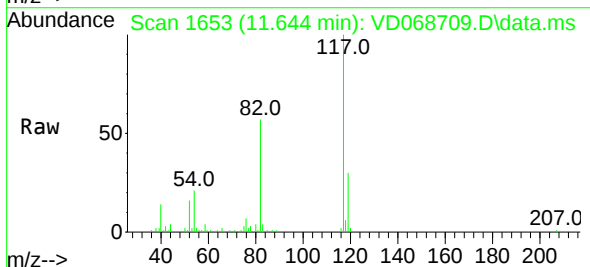
Instrument :
MSVOA_D
ClientSampleId :
FS-SB14(15-16)

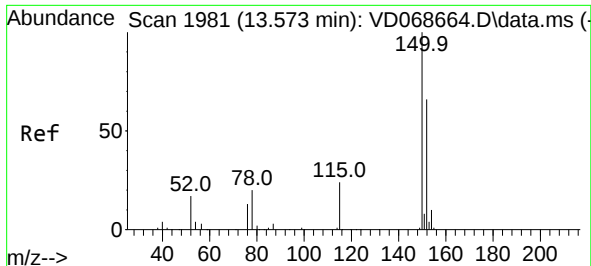
Tgt Ion: 95 Resp: 15735
Ion Ratio Lower Upper
95 100
174 82.8 0.0 168.0
176 84.5 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068709.D
Acq: 29 Mar 2021 20:21

Tgt Ion: 117 Resp: 33862
Ion Ratio Lower Upper
117 100
82 57.0 43.5 65.3
119 30.0 26.7 40.1

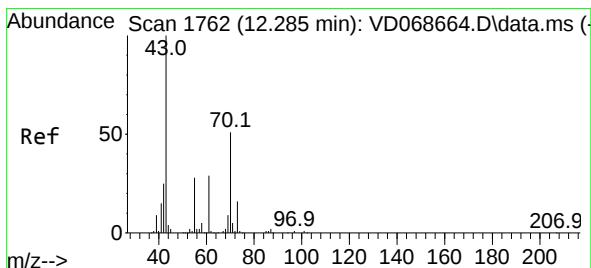
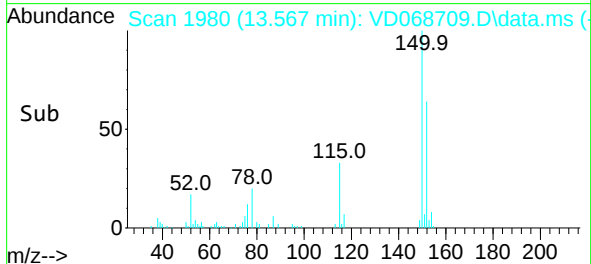
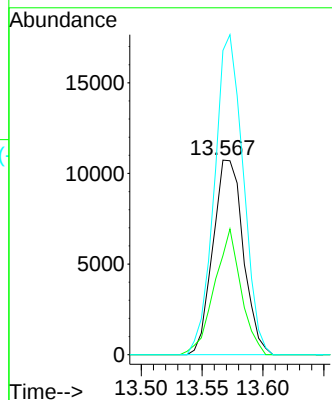
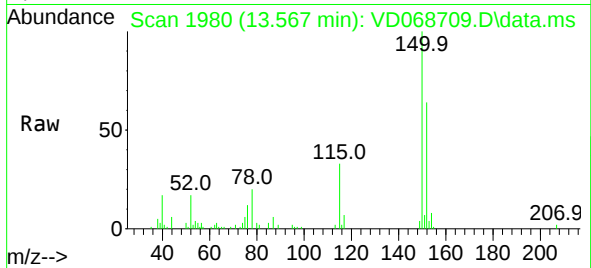




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD068709.D
Acq: 29 Mar 2021 20:21

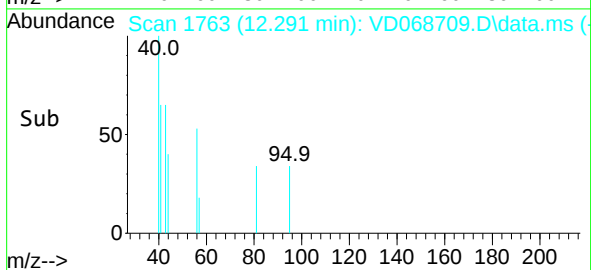
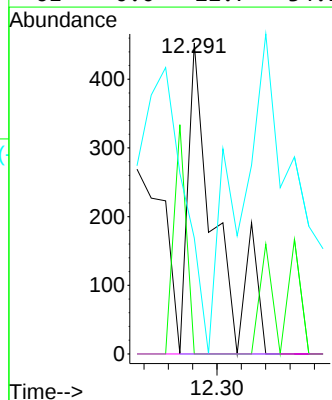
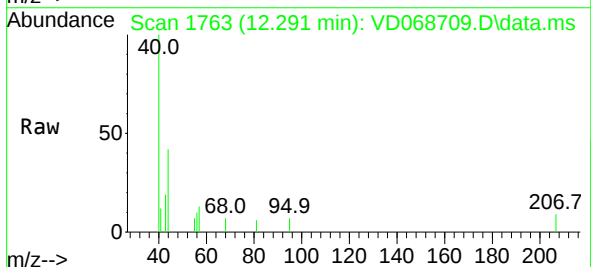
Instrument :
MSVOA_D
ClientSampleId :
FS-SB14(15-16)

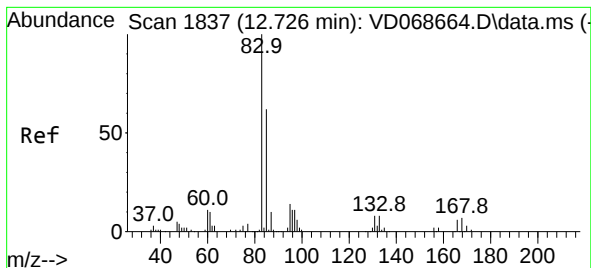
Tgt Ion:152 Resp: 18598
Ion Ratio Lower Upper
152 100
115 56.8 29.3 87.8
150 156.0 0.0 347.6



#74
N-ethyl acetate
Concen: 1.68 ug/l
RT: 12.291 min Scan# 1763
Delta R.T. 0.006 min
Lab File: VD068709.D
Acq: 29 Mar 2021 20:21

Tgt Ion: 43 Resp: 357
Ion Ratio Lower Upper
43 100
70 33.1 41.9 62.9#
55 0.0 22.8 34.2#
61 0.0 22.7 34.1#



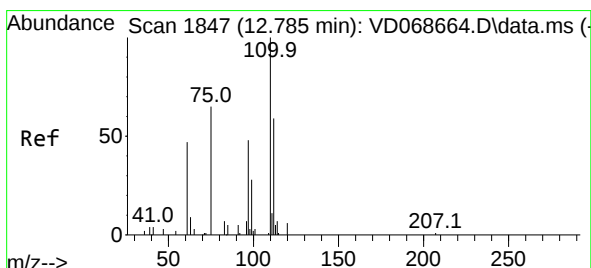
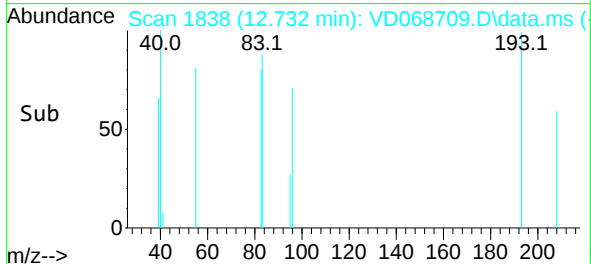
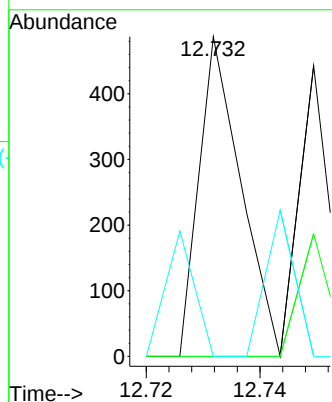
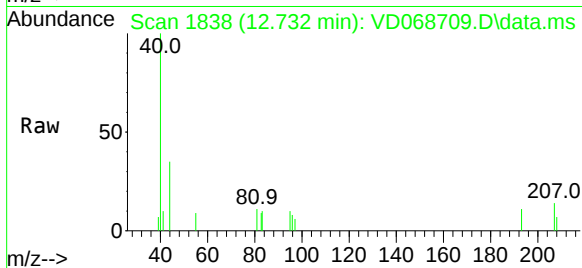


#75

1,1,2,2-Tetrachloroethane
Concen: 1.10 ug/l
RT: 12.732 min Scan# 1838
Delta R.T. 0.006 min
Lab File: VD068709.D
Acq: 29 Mar 2021 20:21

Instrument :
MSVOA_D
ClientSampleId :
FS-SB14(15-16)

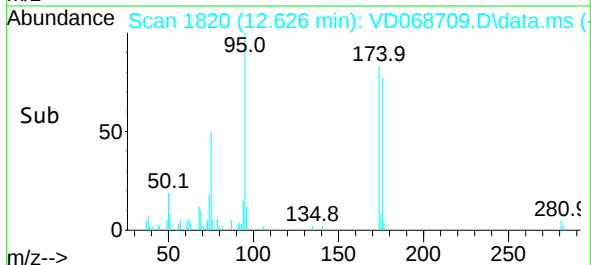
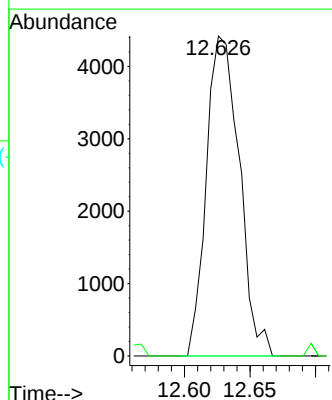
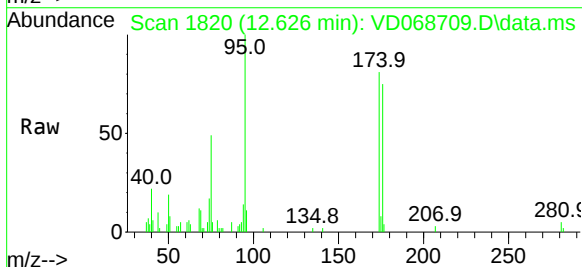
Tgt Ion: 83 Resp: 249
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.3#
85 26.9 32.0 96.0#

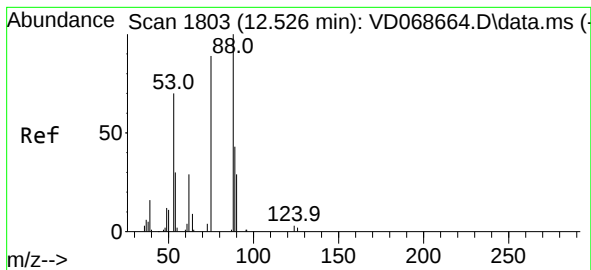


#76

1,2,3-Trichloropropane
Concen: 49.89 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.159 min
Lab File: VD068709.D
Acq: 29 Mar 2021 20:21

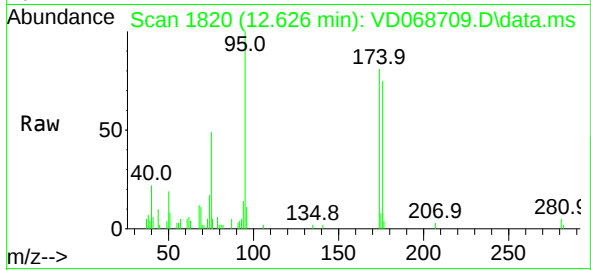
Tgt Ion: 75 Resp: 7723
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#81
trans-1,4-Dichloro-2-butene
Concen: 113.51 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD068709.D
Acq: 29 Mar 2021 20:21

Instrument :
MSVOA_D
ClientSampleId :
FS-SB14(15-16)



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	66.8	100.2#
89	0.0	36.6	54.8#

