

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032921\
 Data File : VD068706.D
 Acq On : 29 Mar 2021 18:56
 Operator : VA/SY
 Sample : M1828-02
 Misc : 6.44G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FS-SB13(25-26)

Quant Time: Mar 30 01:07:04 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	7.985	168	275287	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	538287	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	501963	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	266433	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	156194	56.27	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.54%
35) Dibromofluoromethane	7.920	113	173878	51.92	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.84%
50) Toluene-d8	10.338	98	686057	53.13	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.26%
62) 4-Bromofluorobenzene	12.632	95	252890	60.41	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	120.82%

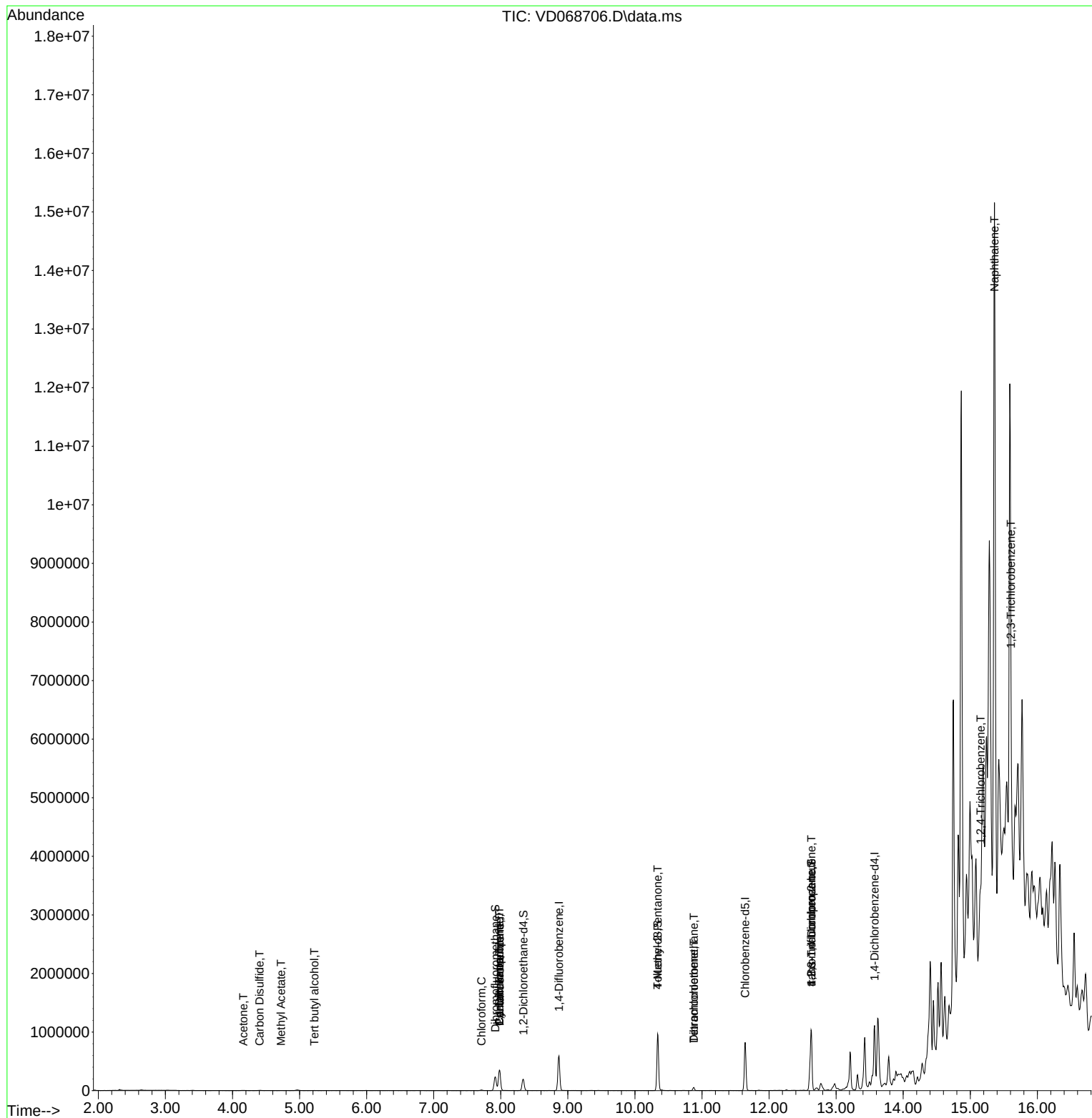
Target Compounds						Qvalue
11) Tert butyl alcohol	5.220	59	1030	8.05	ug/l #	73
16) Acetone	4.161	43	3441	10.22	ug/l #	70
17) Carbon Disulfide	4.403	76	8399	1.20	ug/l #	88
18) Methyl Acetate	4.726	43	955	1.03	ug/l #	54
20) Methylene Chloride	4.967	84	8512	Below Cal	#	88
30) Chloroform	7.714	83	7142	1.33	ug/l	96
31) Cyclohexane	7.979	56	6227	1.39	ug/l #	7
36) 1,1-Dichloropropene	7.979	75	20356	4.23	ug/l #	49
38) Carbon Tetrachloride	7.979	117	27551	5.74	ug/l #	17
51) 4-Methyl-2-Pentanone	10.338	43	2776	1.83	ug/l #	1
60) Dibromochloromethane	10.879	129	12460	3.74	ug/l #	11
64) Tetrachloroethene	10.879	164	12388	3.81	ug/l	95
76) 1,2,3-Trichloropropane	12.632	75	128260	57.84	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	128260	131.59	ug/l #	16
93) 1,2,4-Trichlorobenzene	15.155	180	6490	1.37	ug/l #	1
95) Naphthalene	15.361	128	11412	1.38	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.608	180	57531	14.29	ug/l #	14

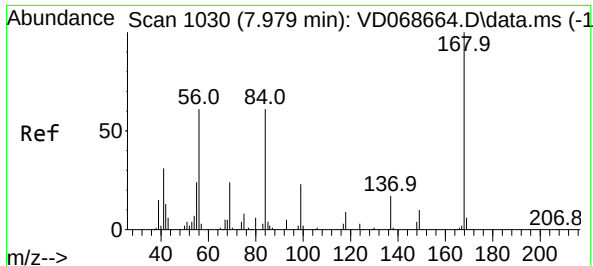
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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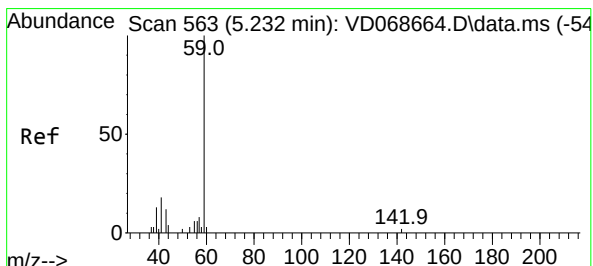
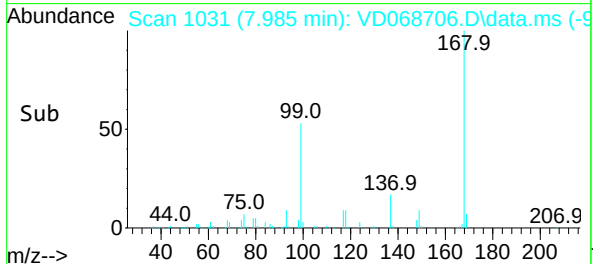
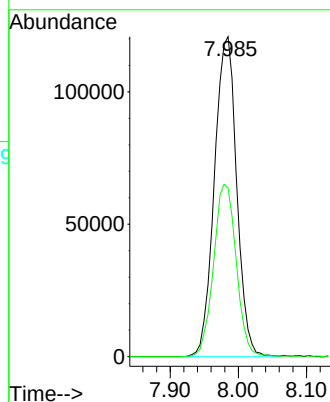
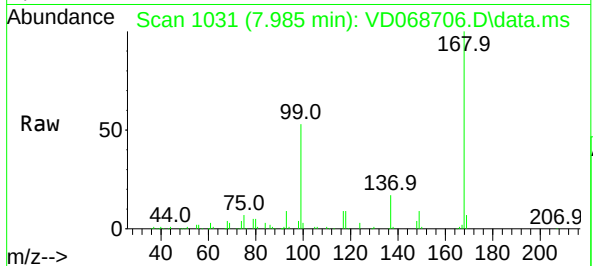




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD068706.D
Acq: 29 Mar 2021 18:56

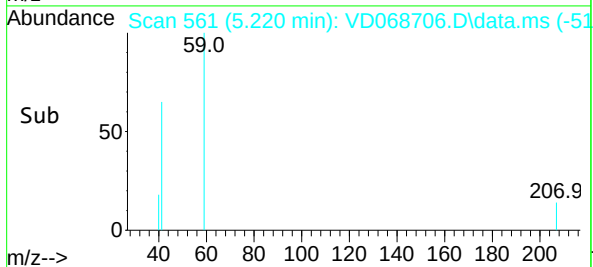
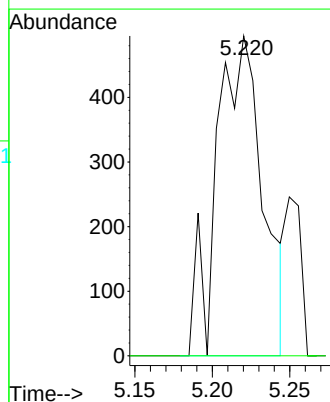
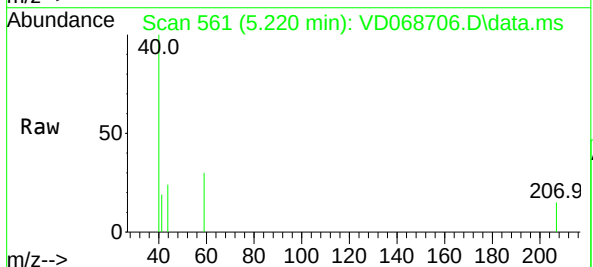
Instrument :
MSVOA_D
ClientSampleId :
FS-SB13(25-26)

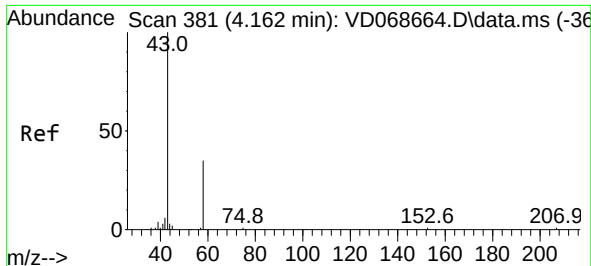
Tgt Ion:168 Resp: 275287
Ion Ratio Lower Upper
168 100
99 52.8 46.2 69.2



#11
Tert butyl alcohol
Concen: 8.05 ug/l
RT: 5.220 min Scan# 561
Delta R.T. -0.012 min
Lab File: VD068706.D
Acq: 29 Mar 2021 18:56

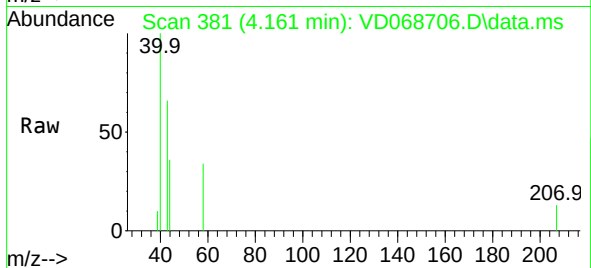
Tgt Ion: 59 Resp: 1030
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



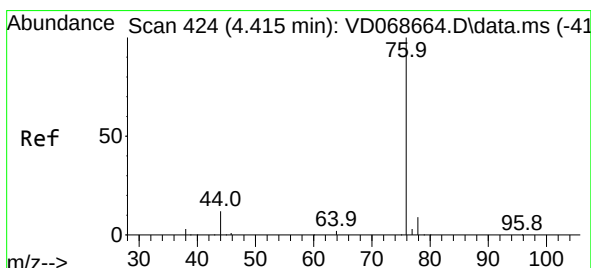
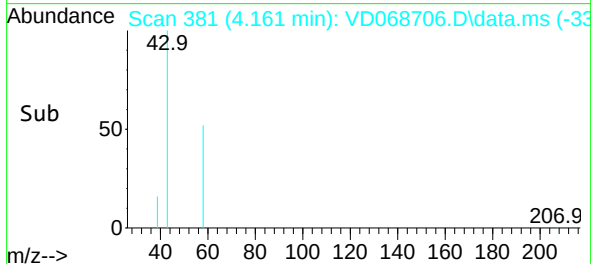
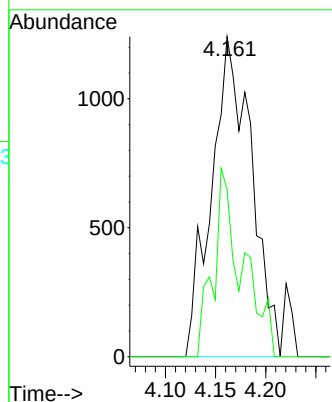


#16
Acetone
Concen: 10.22 ug/l
RT: 4.161 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD068706.D
Acq: 29 Mar 2021 18:56

Instrument :
MSVOA_D
ClientSampleId :
FS-SB13(25-26)

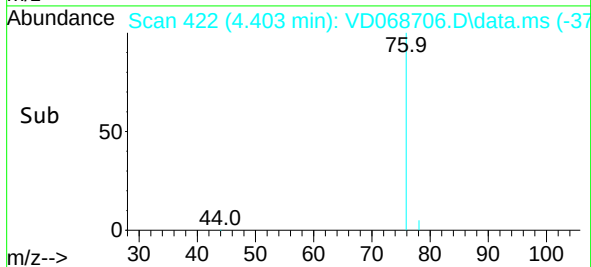
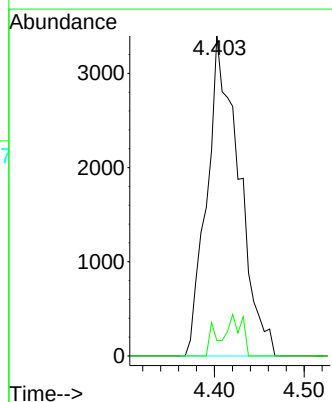
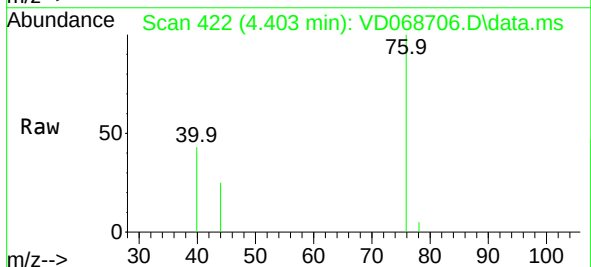


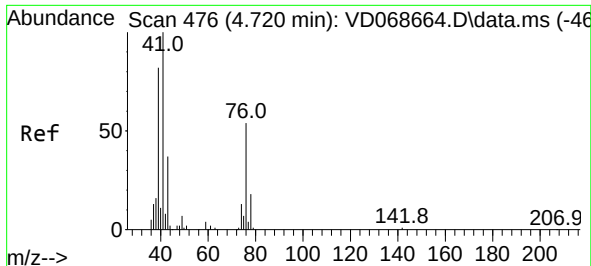
Tgt Ion: 43 Resp: 3441
Ion Ratio Lower Upper
43 100
58 52.3 28.0 42.0#



#17
Carbon Disulfide
Concen: 1.20 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.012 min
Lab File: VD068706.D
Acq: 29 Mar 2021 18:56

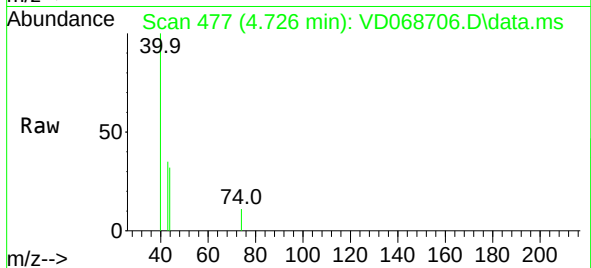
Tgt Ion: 76 Resp: 8399
Ion Ratio Lower Upper
76 100
78 4.9 7.3 10.9#



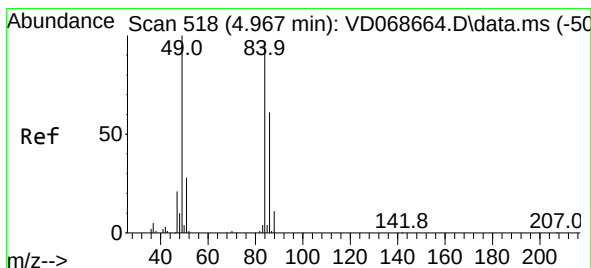
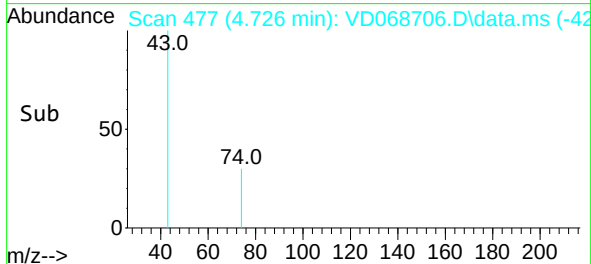
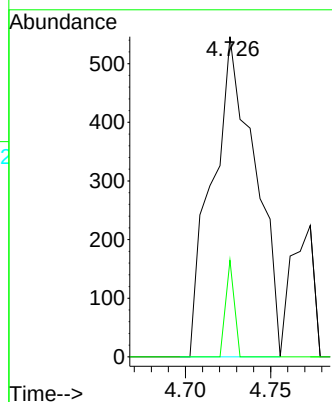


#18
Methyl Acetate
Concen: 1.03 ug/l
RT: 4.726 min Scan# 477
Delta R.T. 0.006 min
Lab File: VD068706.D
Acq: 29 Mar 2021 18:56

Instrument :
MSVOA_D
ClientSampleId :
FS-SB13(25-26)

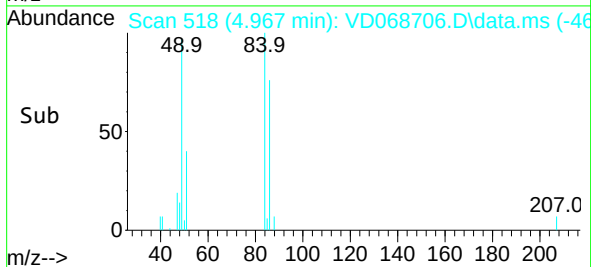
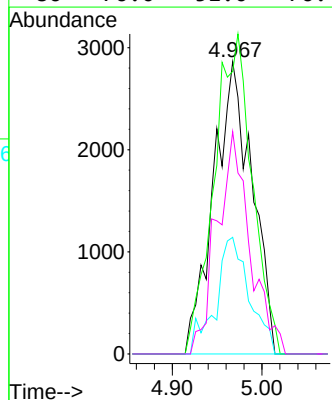
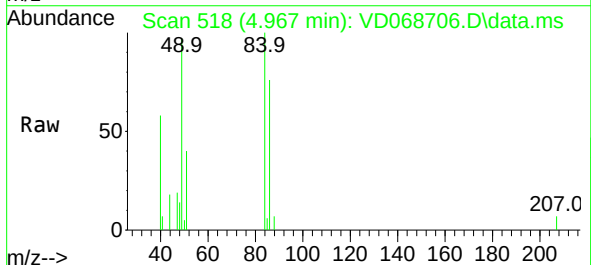


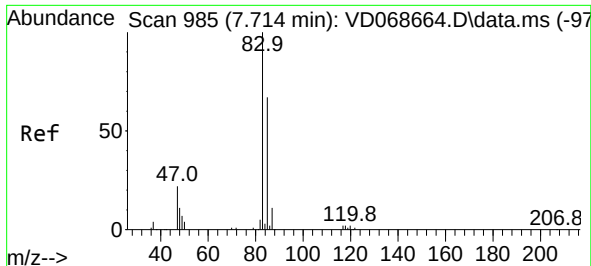
Tgt Ion: 43 Resp: 955
Ion Ratio Lower Upper
43 100
74 6.1 25.4 38.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.000 min
Lab File: VD068706.D
Acq: 29 Mar 2021 18:56

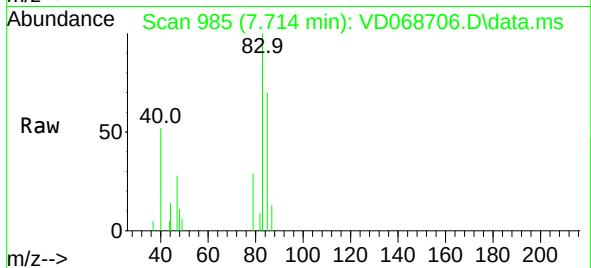
Tgt Ion: 84 Resp: 8512
Ion Ratio Lower Upper
84 100
49 96.7 83.4 125.0
51 39.9 23.4 35.2#
86 76.0 51.0 76.4



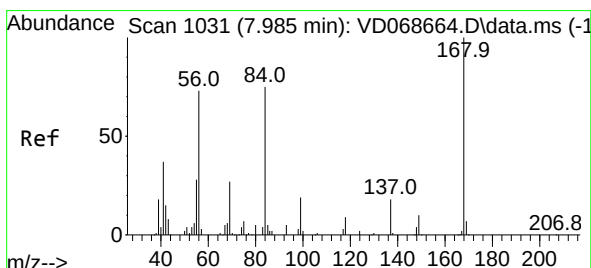
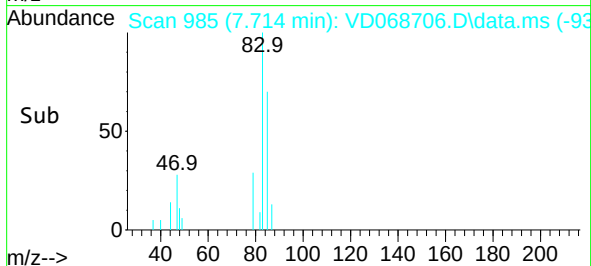
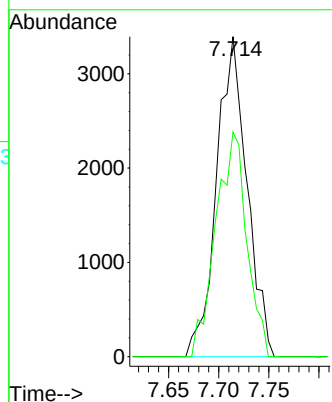


#30
Chloroform
Concen: 1.33 ug/l
RT: 7.714 min Scan# 985
Delta R.T. -0.000 min
Lab File: VD068706.D
Acq: 29 Mar 2021 18:56

Instrument :
MSVOA_D
ClientSampleId :
FS-SB13(25-26)

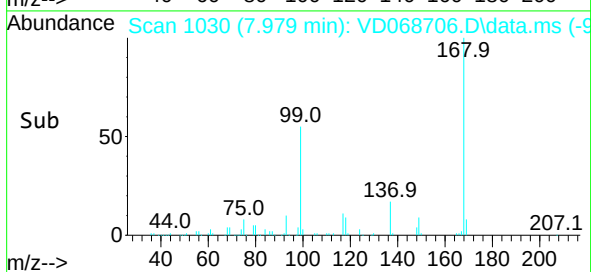
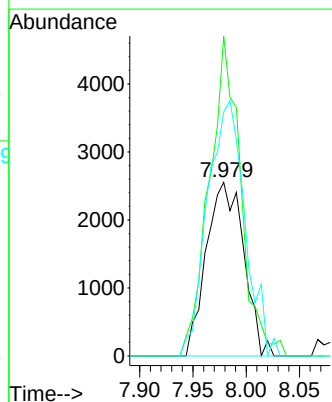
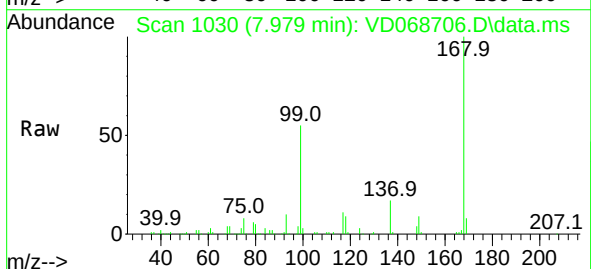


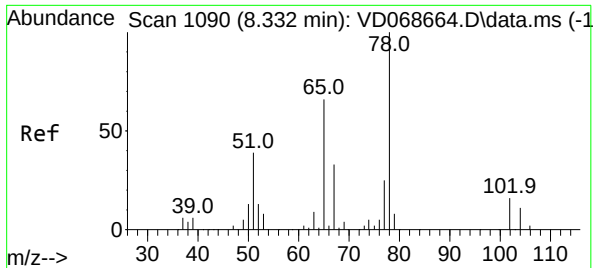
Tgt Ion: 83 Resp: 7142
Ion Ratio Lower Upper
83 100
85 70.2 53.3 79.9



#31
Cyclohexane
Concen: 1.39 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068706.D
Acq: 29 Mar 2021 18:56

Tgt Ion: 56 Resp: 6227
Ion Ratio Lower Upper
56 100
69 184.3 30.0 45.0#
84 140.5 82.0 123.0#

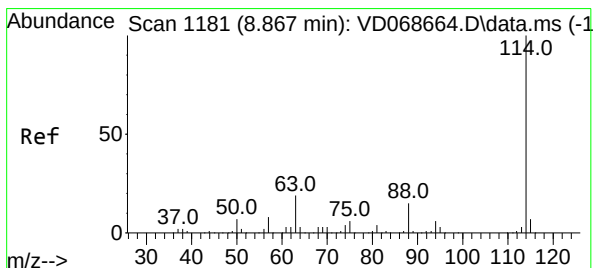
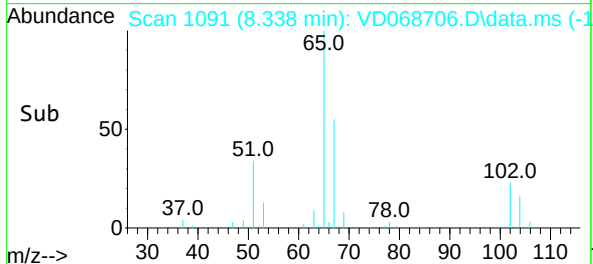
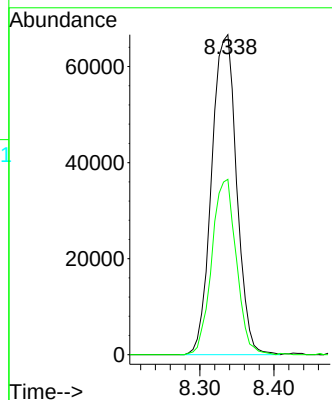
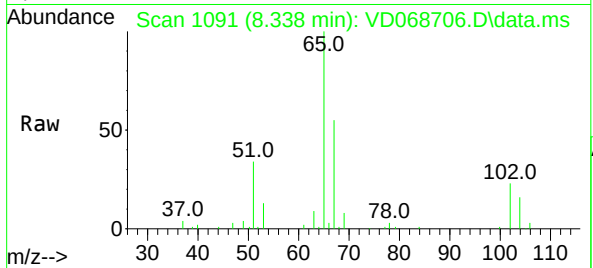




#33
1,2-Dichloroethane-d4
Concen: 56.27 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VD068706.D
Acq: 29 Mar 2021 18:56

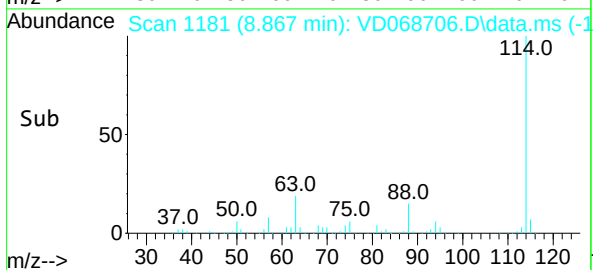
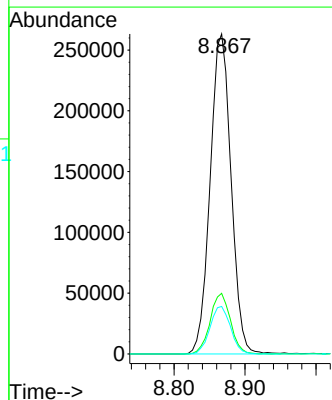
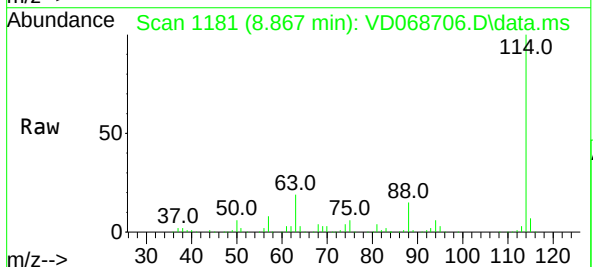
Instrument :
MSVOA_D
ClientSampleId :
FS-SB13(25-26)

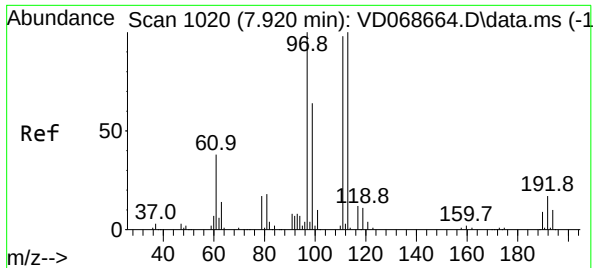
Tgt Ion: 65 Resp: 156194
Ion Ratio Lower Upper
65 100
67 53.7 0.0 106.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. -0.000 min
Lab File: VD068706.D
Acq: 29 Mar 2021 18:56

Tgt Ion: 114 Resp: 538287
Ion Ratio Lower Upper
114 100
63 19.0 0.0 38.2
88 14.9 0.0 29.4





#35

Dibromofluoromethane

Concen: 51.92 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. -0.000 min

Lab File: VD068706.D

Acq: 29 Mar 2021 18:56

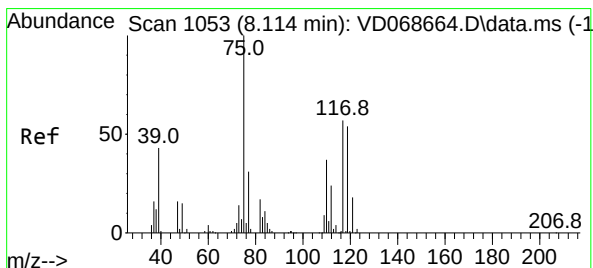
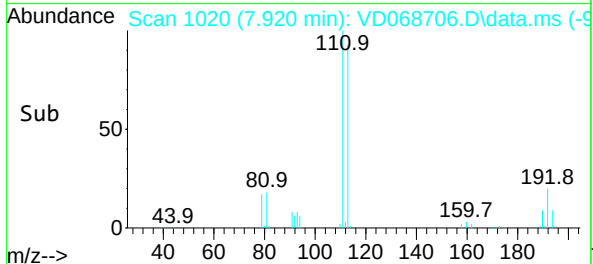
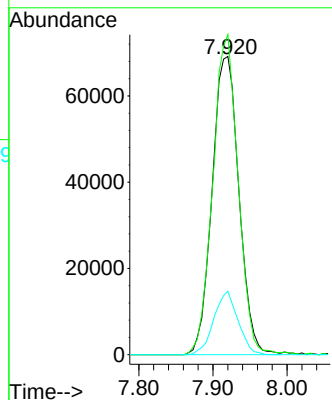
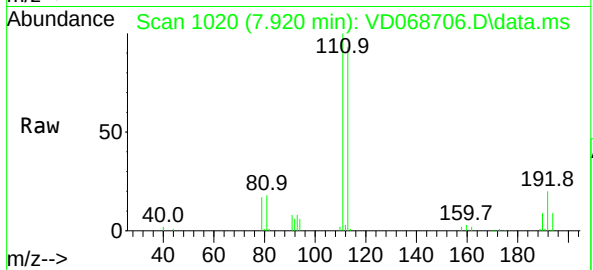
Tgt Ion:113 Resp: 173878

Ion Ratio Lower Upper

113 100

111 101.7 82.5 123.7

192 19.2 15.1 22.7



#36

1,1-Dichloropropene

Concen: 4.23 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD068706.D

Acq: 29 Mar 2021 18:56

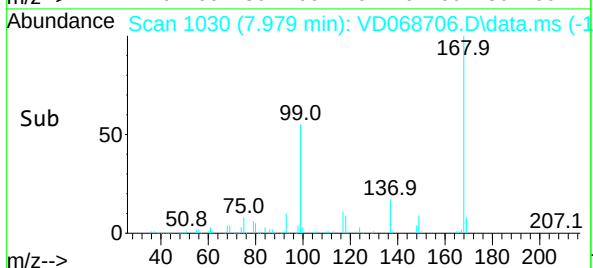
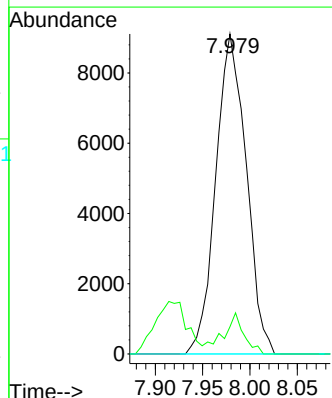
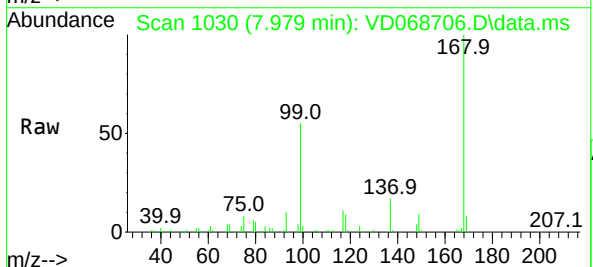
Tgt Ion: 75 Resp: 20356

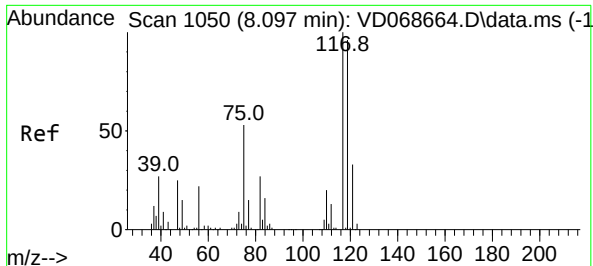
Ion Ratio Lower Upper

75 100

110 8.8 18.1 54.4#

77 0.0 24.7 37.1#

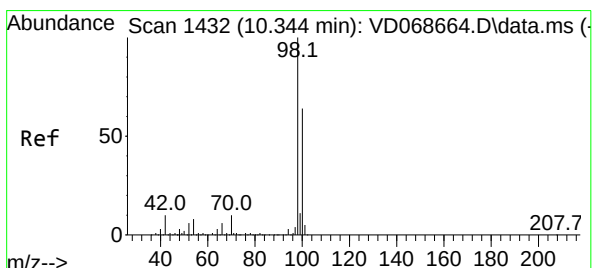
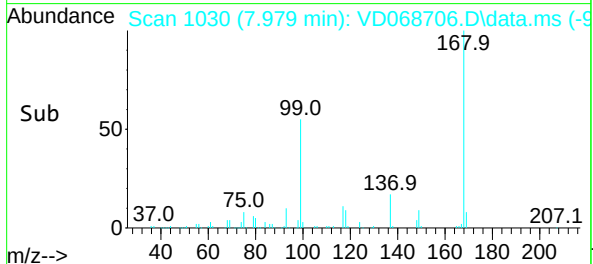
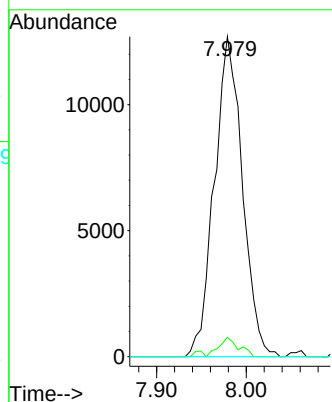
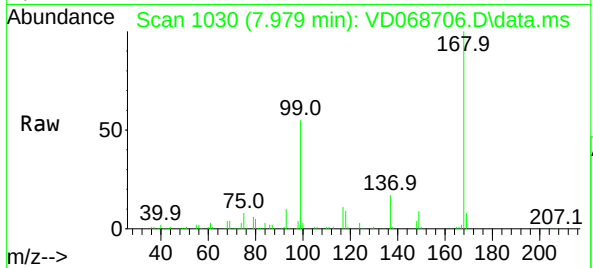




#38
Carbon Tetrachloride
Concen: 5.74 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD068706.D
Acq: 29 Mar 2021 18:56

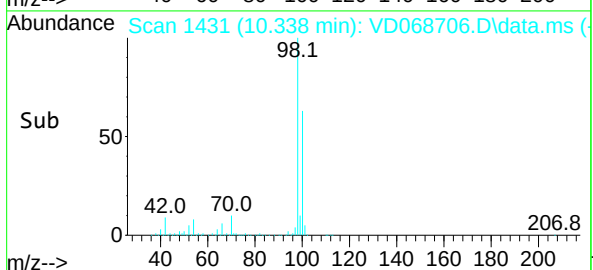
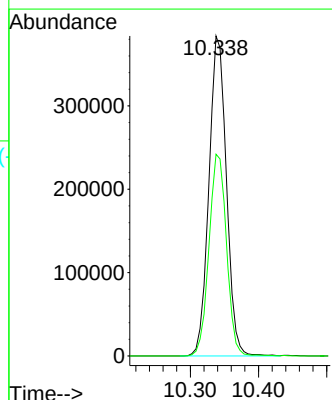
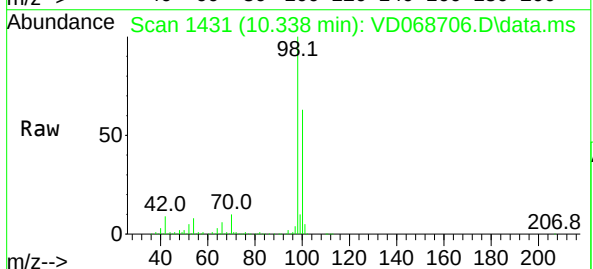
Instrument :
MSVOA_D
ClientSampleId :
FS-SB13(25-26)

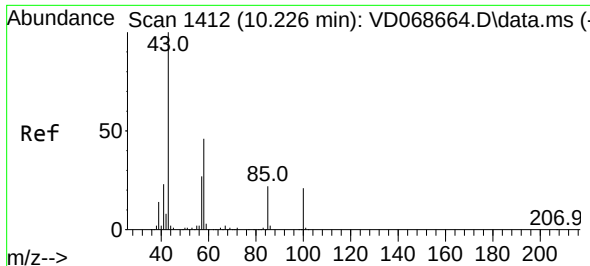
Tgt Ion:117 Resp: 27551
Ion Ratio Lower Upper
117 100
119 6.0 76.6 115.0#
121 0.0 26.1 39.1#



#50
Toluene-d8
Concen: 53.13 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD068706.D
Acq: 29 Mar 2021 18:56

Tgt Ion: 98 Resp: 686057
Ion Ratio Lower Upper
98 100
100 63.2 51.8 77.6

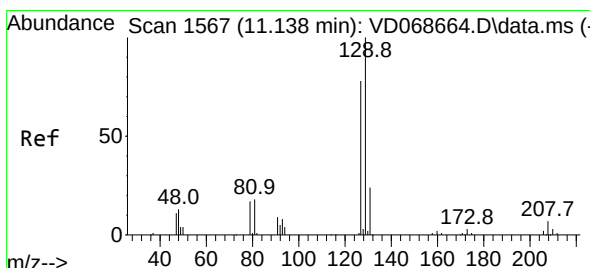
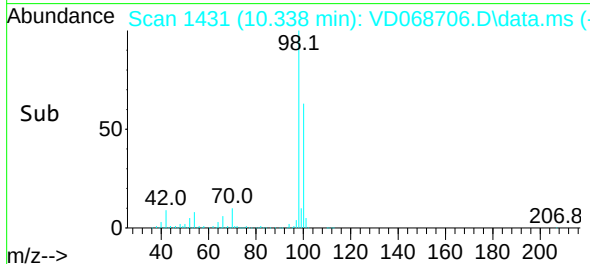
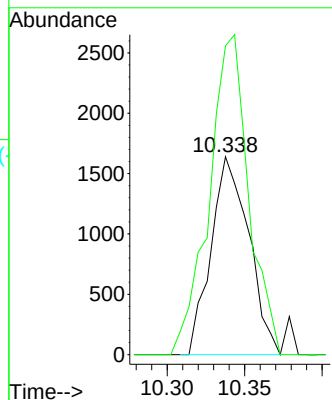
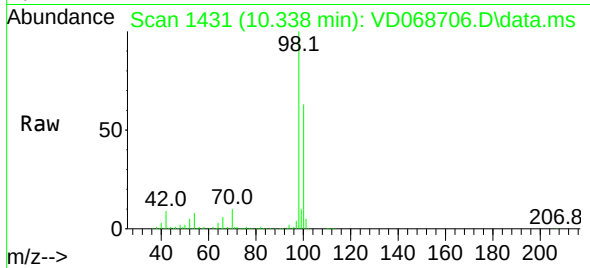




#51
4-Methyl-2-Pentanone
Concen: 1.83 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD068706.D
Acq: 29 Mar 2021 18:56

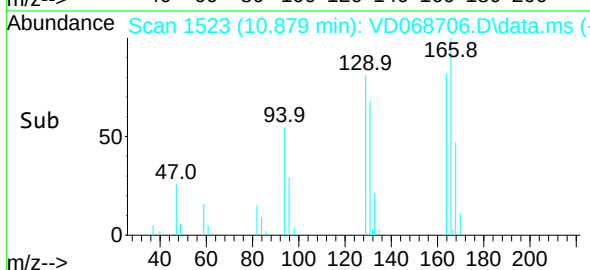
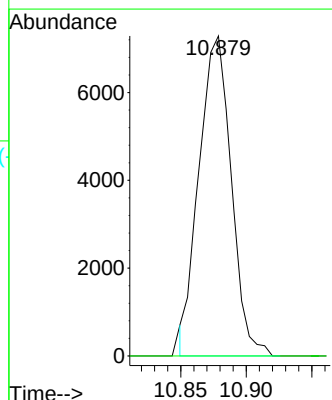
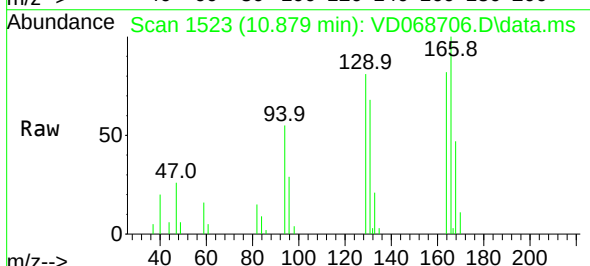
Instrument :
MSVOA_D
ClientSampleId :
FS-SB13(25-26)

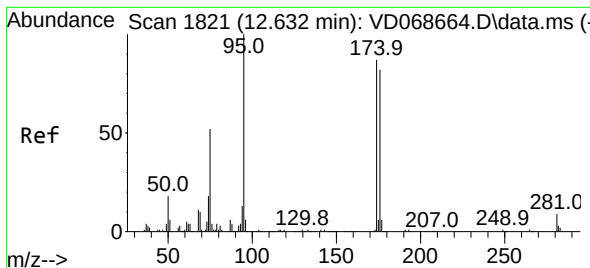
Tgt Ion: 43 Resp: 2776
Ion Ratio Lower Upper
43 100
58 169.3 37.3 55.9#



#60
Dibromochloromethane
Concen: 3.74 ug/l
RT: 10.879 min Scan# 1523
Delta R.T. -0.259 min
Lab File: VD068706.D
Acq: 29 Mar 2021 18:56

Tgt Ion: 129 Resp: 12460
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.3#

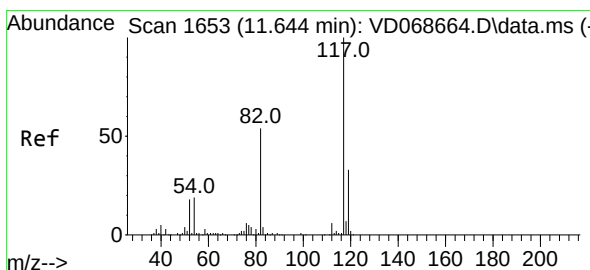
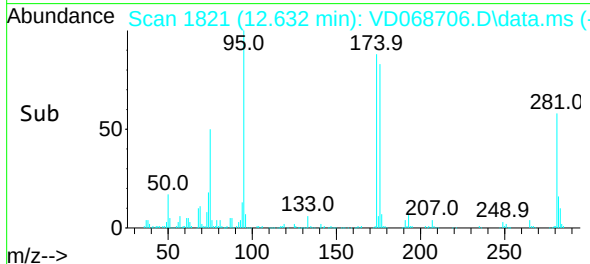
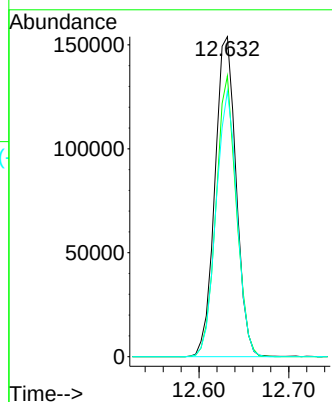
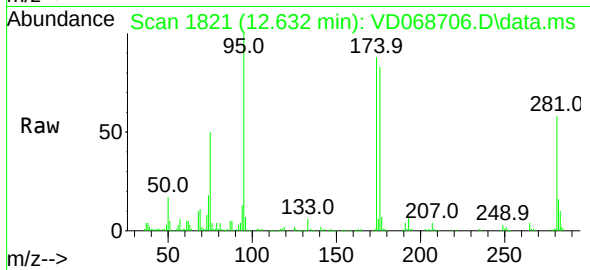




#62
4-Bromofluorobenzene
Concen: 60.41 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VD068706.D
Acq: 29 Mar 2021 18:56

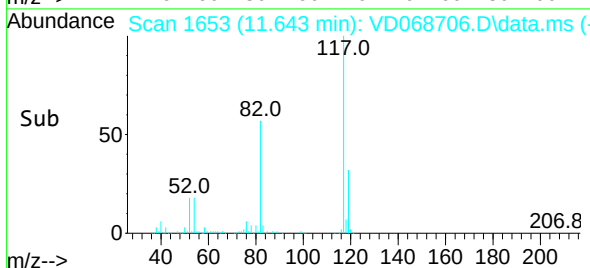
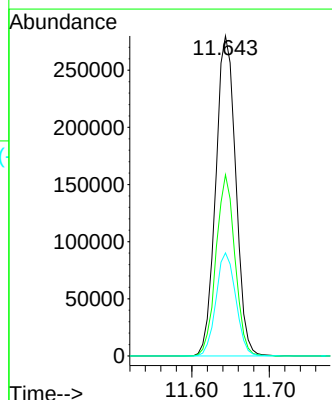
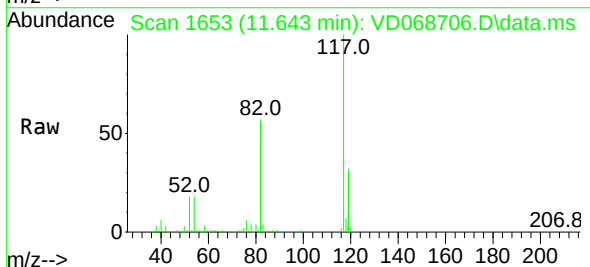
Instrument :
MSVOA_D
ClientSampleId :
FS-SB13(25-26)

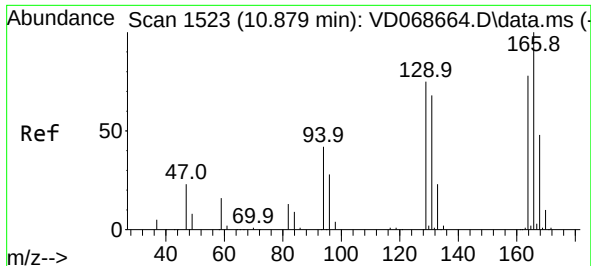
Tgt Ion: 95 Resp: 252890
Ion Ratio Lower Upper
95 100
174 83.9 0.0 168.0
176 81.8 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD068706.D
Acq: 29 Mar 2021 18:56

Tgt Ion: 117 Resp: 501963
Ion Ratio Lower Upper
117 100
82 56.6 43.5 65.3
119 32.2 26.7 40.1



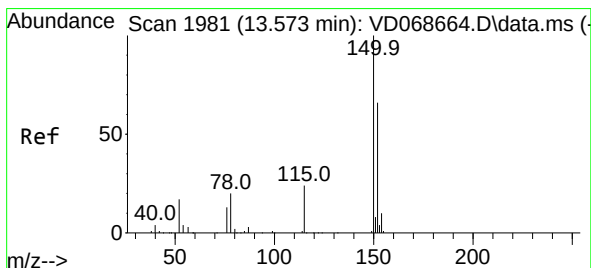
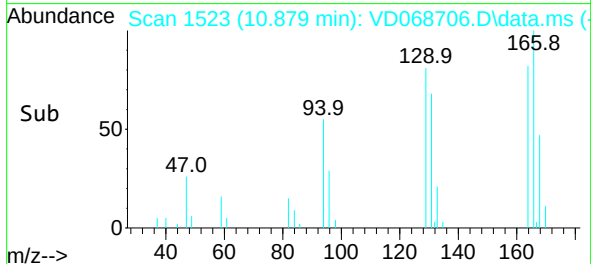
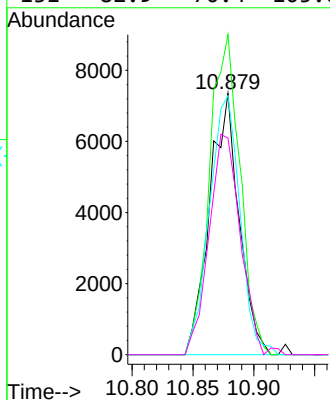
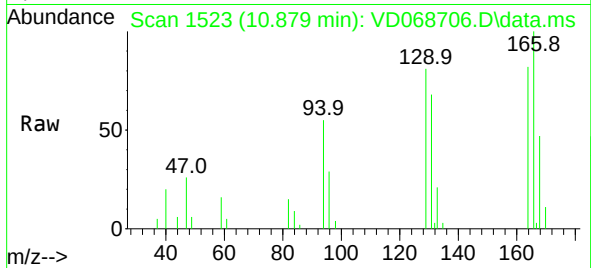


#64
Tetrachloroethene
Concen: 3.81 ug/l
RT: 10.879 min Scan# 1523
Delta R.T. -0.000 min
Lab File: VD068706.D
Acq: 29 Mar 2021 18:56

Instrument :
MSVOA_D
ClientSampleId :
FS-SB13(25-26)

Tgt Ion:164 Resp: 12388

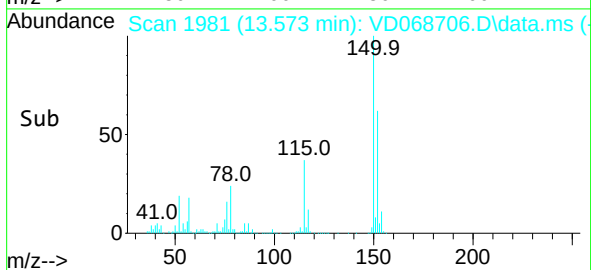
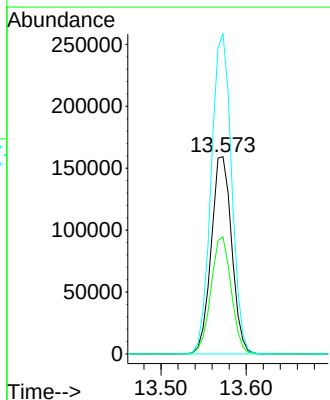
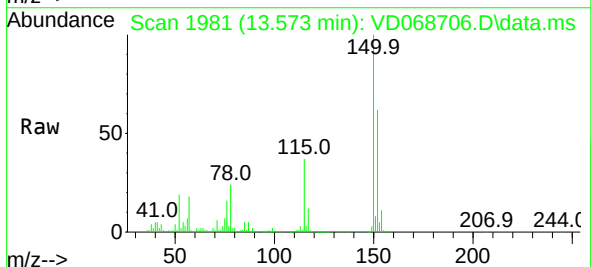
Ion	Ratio	Lower	Upper
164	100		
166	122.5	103.0	154.6
129	99.2	77.4	116.0
131	82.9	70.4	105.6

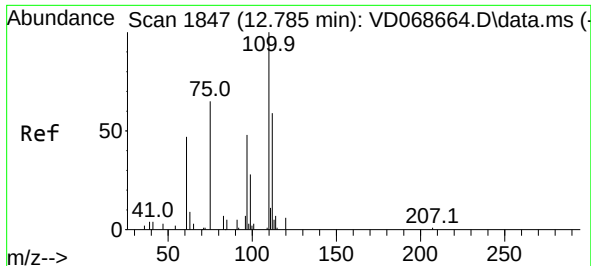


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068706.D
Acq: 29 Mar 2021 18:56

Tgt Ion:152 Resp: 266433

Ion	Ratio	Lower	Upper
152	100		
115	58.7	29.3	87.8
150	161.4	0.0	347.6

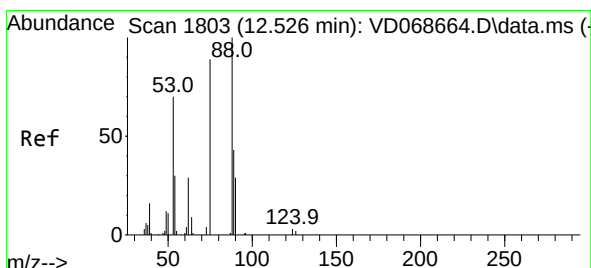
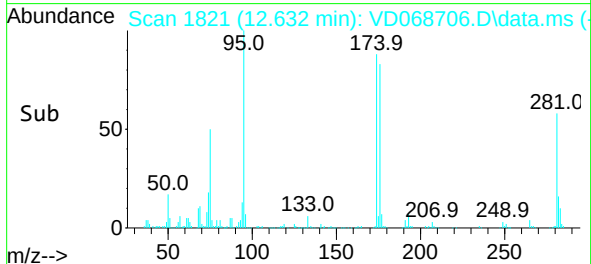
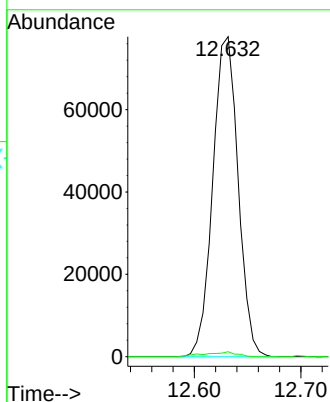
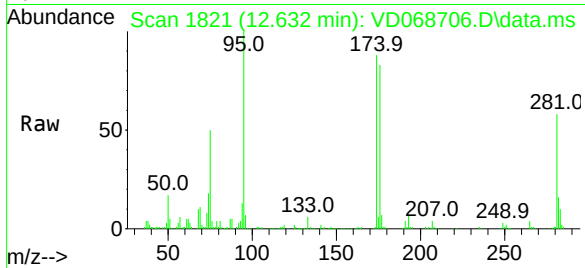




#76
1,2,3-Trichloropropane
Concen: 57.84 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068706.D
Acq: 29 Mar 2021 18:56

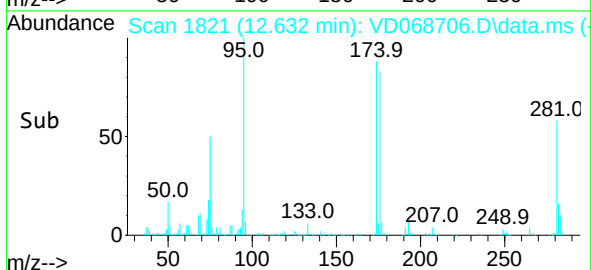
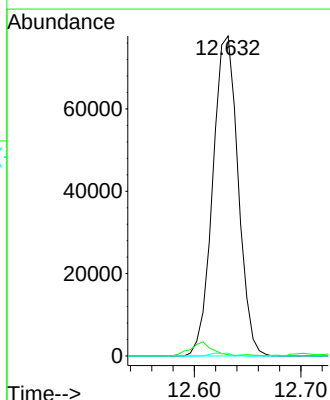
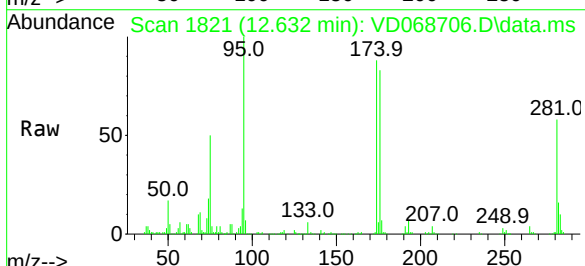
Instrument :
MSVOA_D
ClientSampleId :
FS-SB13(25-26)

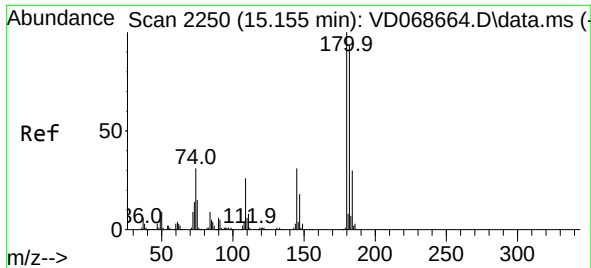
Tgt Ion: 75 Resp: 128260
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.59 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068706.D
Acq: 29 Mar 2021 18:56

Tgt Ion: 75 Resp: 128260
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.7 36.6 54.8#

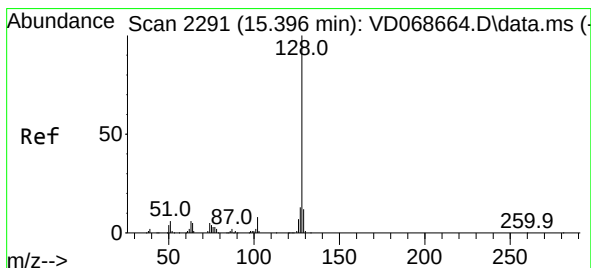
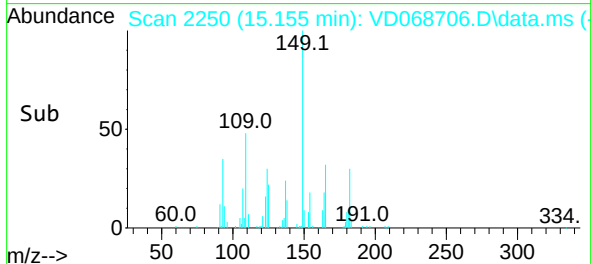
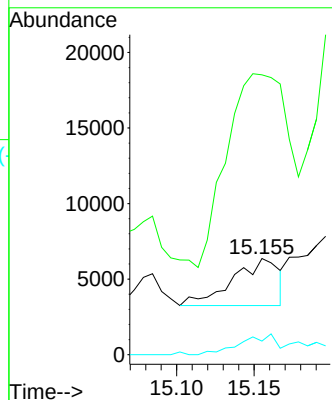
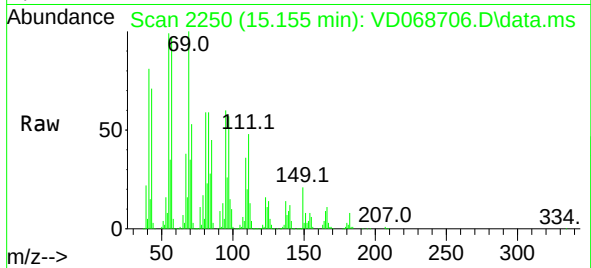




#93
1,2,4-Trichlorobenzene
Concen: 1.37 ug/l
RT: 15.155 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VD068706.D
Acq: 29 Mar 2021 18:56

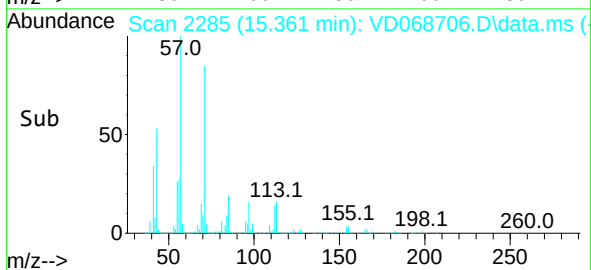
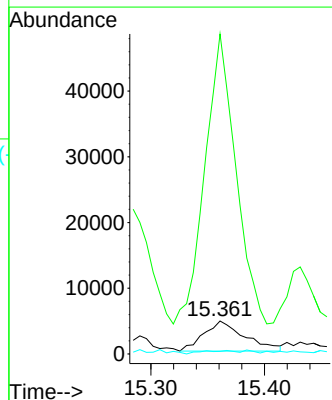
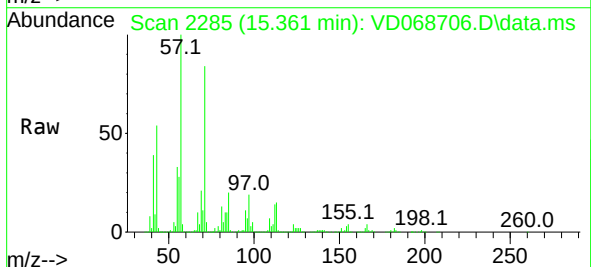
Instrument :
MSVOA_D
ClientSampled :
FS-SB13(25-26)

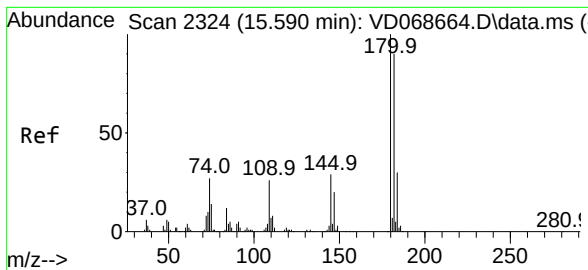
Tgt Ion:180 Resp: 6490
Ion Ratio Lower Upper
180 100
182 551.1 47.9 143.8#
145 37.1 15.2 45.6



#95
Naphthalene
Concen: 1.38 ug/l
RT: 15.361 min Scan# 2285
Delta R.T. -0.035 min
Lab File: VD068706.D
Acq: 29 Mar 2021 18:56

Tgt Ion:128 Resp: 11412
Ion Ratio Lower Upper
128 100
127 729.0 10.2 15.4#
129 9.4 8.9 13.3





#96
 1,2,3-Trichlorobenzene
 Concen: 14.29 ug/l
 RT: 15.608 min Scan# 2327
 Delta R.T. 0.017 min
 Lab File: VD068706.D
 Acq: 29 Mar 2021 18:56

Instrument :
 MSVOA_D
 ClientSampleId :
 FS-SB13(25-26)

Tgt Ion:180 Resp: 57531
 Ion Ratio Lower Upper
 180 100
 182 0.0 46.5 139.3#
 145 2.4 15.8 47.4#

