

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081321\
 Data File : VD070051.D
 Acq On : 13 Aug 2021 15:50
 Operator : VA/SY
 Sample : M3368-08
 Misc : 4.81G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SWCS-07-0002

Quant Time: Aug 14 02:50:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

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

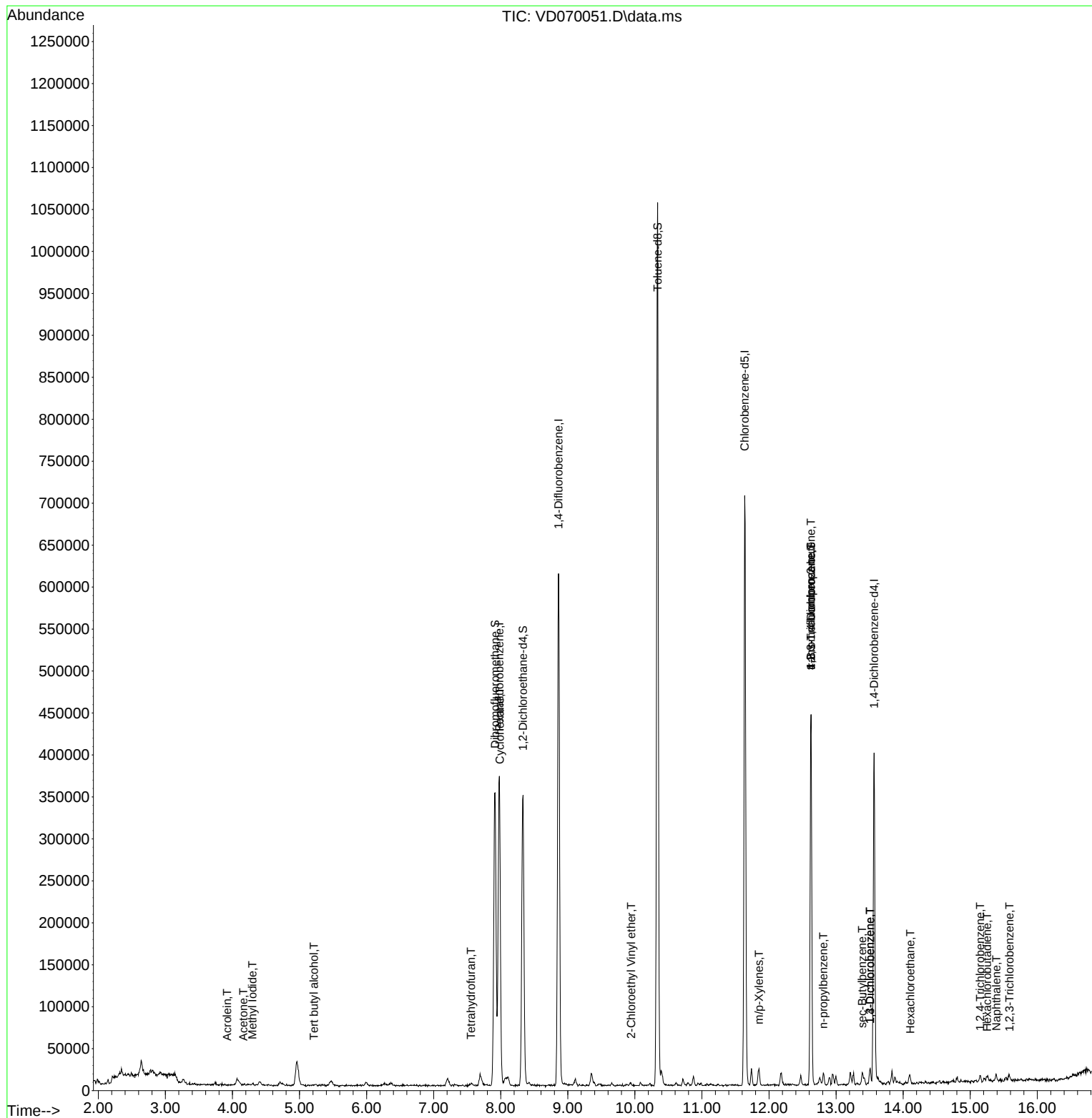
Internal Standards						
1) Pentafluorobenzene	7.979	168	256414	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	523944	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	414961	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	106082	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	276320	91.623	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 183.240%#	
35) Dibromofluoromethane	7.914	113	264858	78.244	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 156.480%#	
50) Toluene-d8	10.338	98	734583	55.794	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 111.580%	
62) 4-Bromofluorobenzene	12.626	95	155785	35.924	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 71.840%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	3293	Below Cal		93
3) Chloromethane	2.215	50	4160	Below Cal	#	79
5) Bromomethane	2.779	94	4622	Below Cal	#	59
10) Methyl Iodide	4.297	142	3065	1.011	ug/l #	72
11) Tert butyl alcohol	5.215	59	680	4.079	ug/l #	71
13) Acrolein	3.921	56	227	1.182	ug/l #	49
16) Acetone	4.162	43	1582	2.848	ug/l #	41
20) Methylene Chloride	4.968	84	22982	Below Cal		89
29) Tetrahydrofuran	7.556	42	1127	2.267	ug/l #	59
31) Cyclohexane	7.985	56	10659	1.786	ug/l #	6
58) 2-Chloroethyl Vinyl ether	9.944	63	1894	1.080	ug/l #	83
68) m/p-Xylenes	11.849	106	6497	1.094	ug/l	86
76) 1,2,3-Trichloropropane	12.626	75	73693	68.500	ug/l #	1
78) n-propylbenzene	12.808	91	11080	1.111	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.626	75	73693	177.800	ug/l #	18
85) sec-Butylbenzene	13.391	105	8846	1.031	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	4057	1.112	ug/l	94
88) 1,4-Dichlorobenzene	13.508	146	4057	1.123	ug/l	96
90) Hexachloroethane	14.108	117	1819	1.244	ug/l	77
93) 1,2,4-Trichlorobenzene	15.149	180	2380	1.369	ug/l	95
94) Hexachlorobutadiene	15.249	225	1366	1.330	ug/l	71
95) Naphthalene	15.390	128	5657	1.788	ug/l	97
96) 1,2,3-Trichlorobenzene	15.585	180	2542	1.675	ug/l #	58

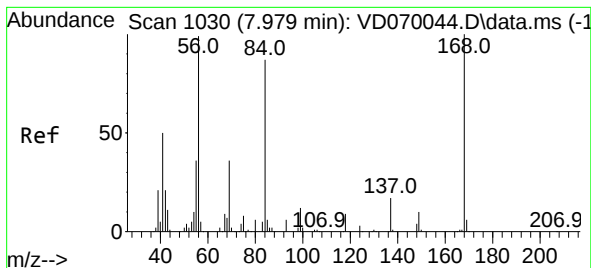
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Aug 14 02:33:51 2021
Response via : Initial Calibration

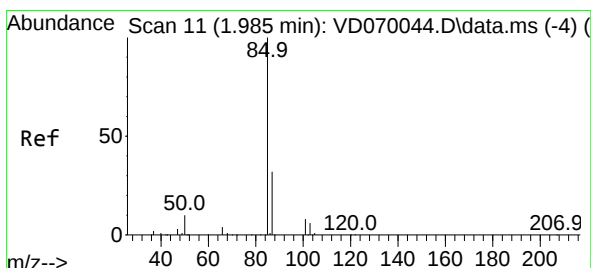
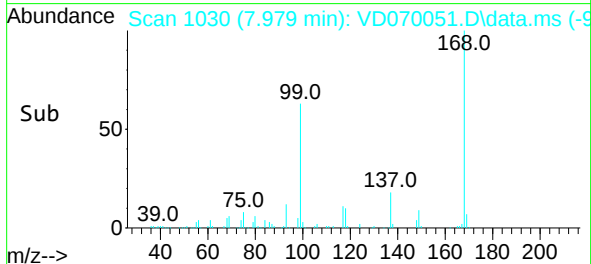
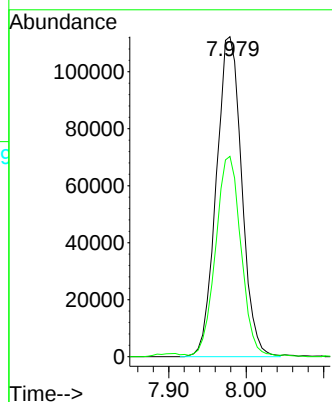
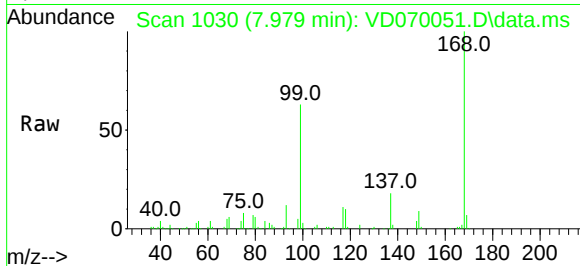




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070051.D
Acq: 13 Aug 2021 15:50

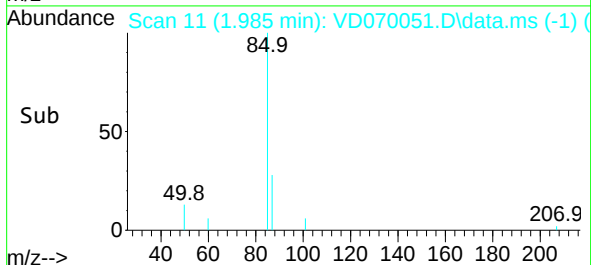
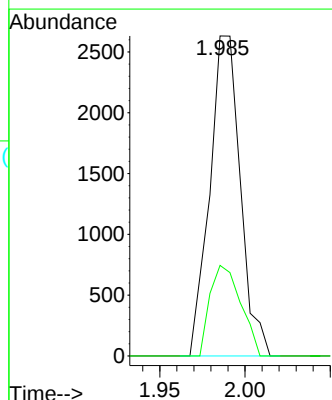
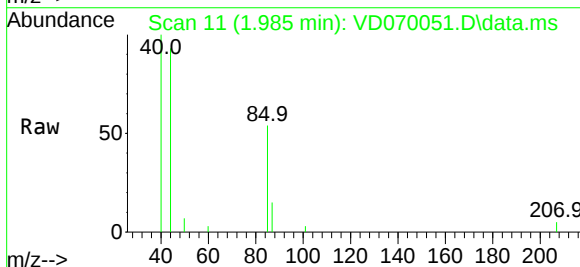
Instrument :
MSVOA_D
ClientSampleId :
SWCS-07-0002

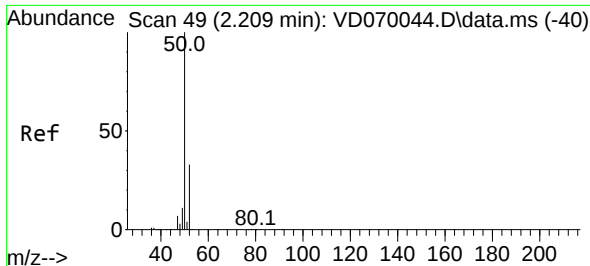
Tgt Ion:168 Resp: 256414
Ion Ratio Lower Upper
168 100
99 62.2 50.3 75.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.985 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD070051.D
Acq: 13 Aug 2021 15:50

Tgt Ion: 85 Resp: 3293
Ion Ratio Lower Upper
85 100
87 28.3 16.2 48.6

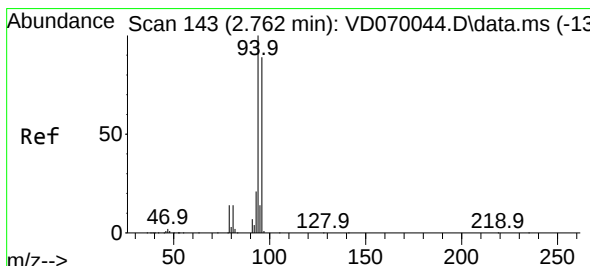
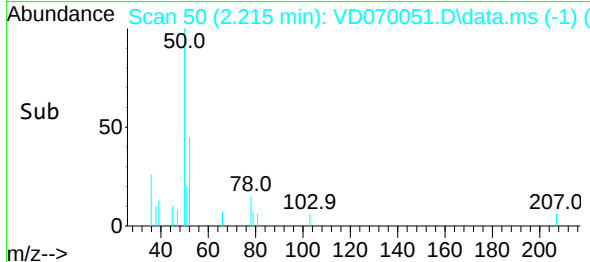
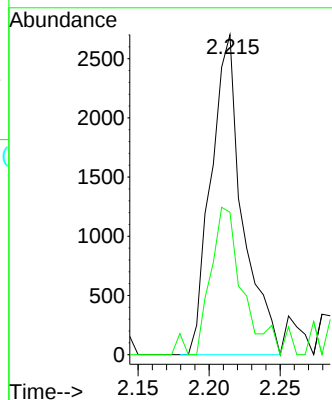
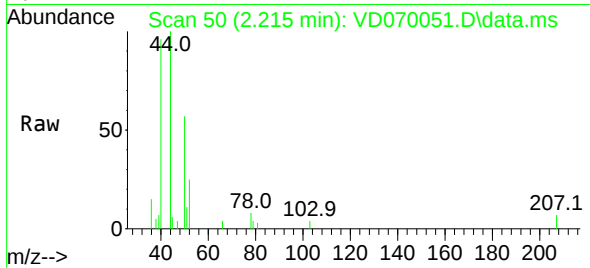




#3
Chloromethane
Concen: Below Cal
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD070051.D
Acq: 13 Aug 2021 15:50

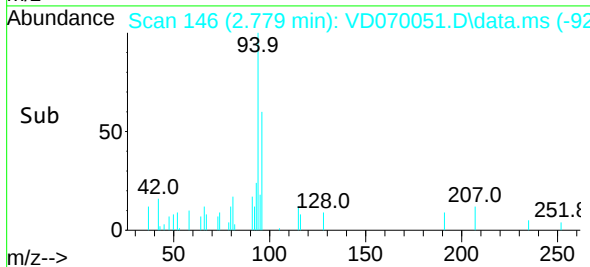
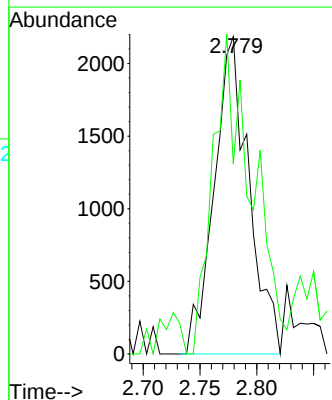
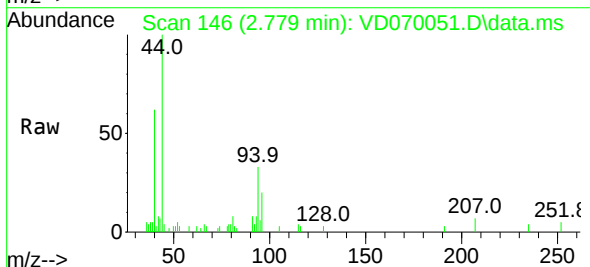
Instrument :
MSVOA_D
ClientSampleId :
SWCS-07-0002

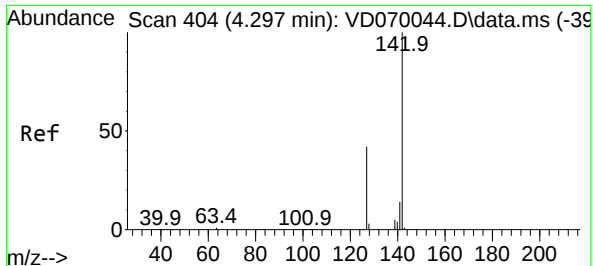
Tgt Ion: 50 Resp: 4160
Ion Ratio Lower Upper
50 100
52 44.5 26.3 39.5#



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070051.D
Acq: 13 Aug 2021 15:50

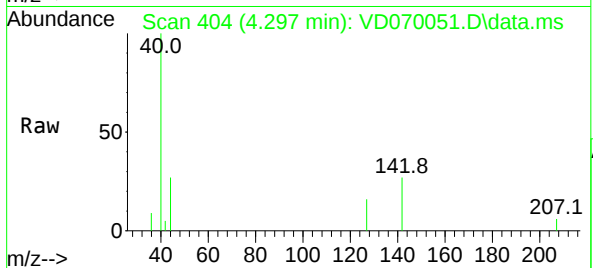
Tgt Ion: 94 Resp: 4622
Ion Ratio Lower Upper
94 100
96 50.3 70.9 106.3#



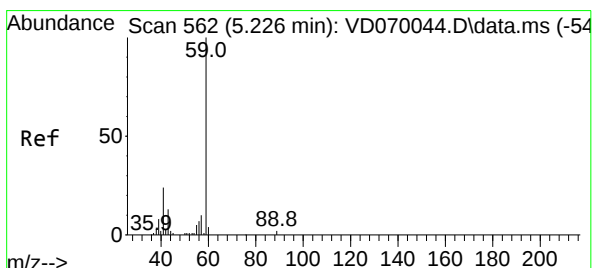
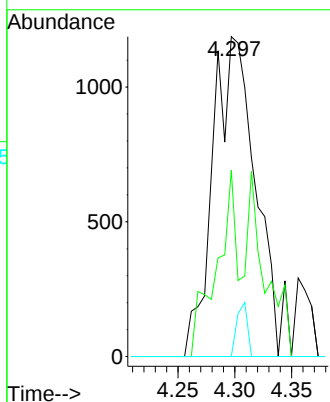
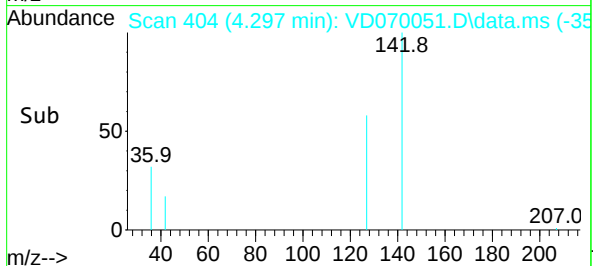


#10
Methyl Iodide
Concen: 1.011 ug/l
RT: 4.297 min Scan# 404
Delta R.T. 0.000 min
Lab File: VD070051.D
Acq: 13 Aug 2021 15:50

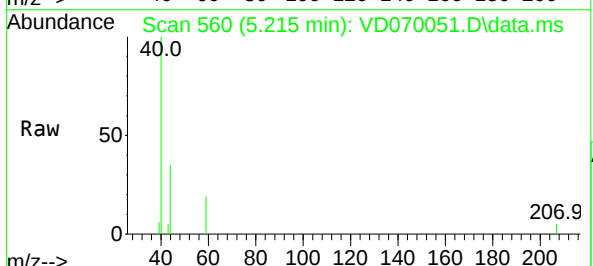
Instrument :
MSVOA_D
ClientSampleId :
SWCS-07-0002



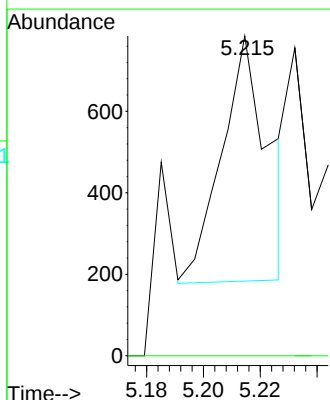
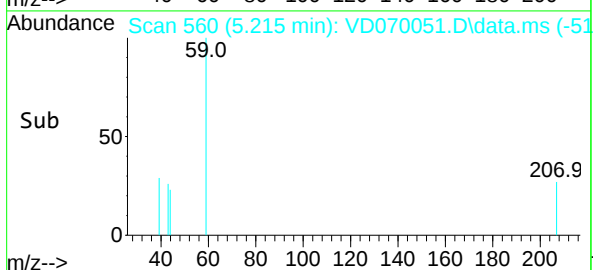
Tgt Ion:142 Resp: 3065
Ion Ratio Lower Upper
142 100
127 27.6 35.4 53.0#
141 0.0 12.1 18.1#

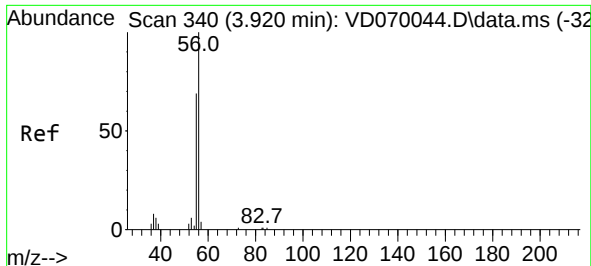


#11
Tert butyl alcohol
Concen: 4.079 ug/l
RT: 5.215 min Scan# 560
Delta R.T. -0.012 min
Lab File: VD070051.D
Acq: 13 Aug 2021 15:50



Tgt Ion: 59 Resp: 680
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

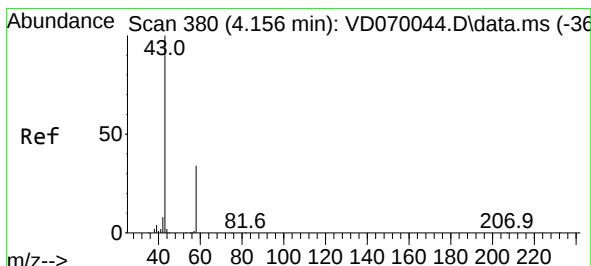
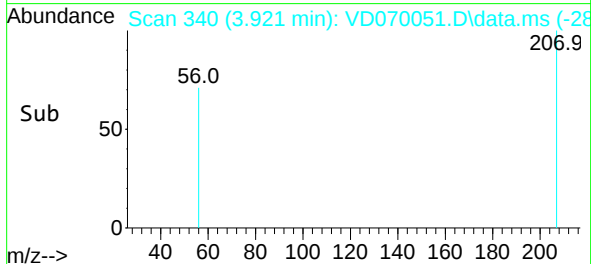
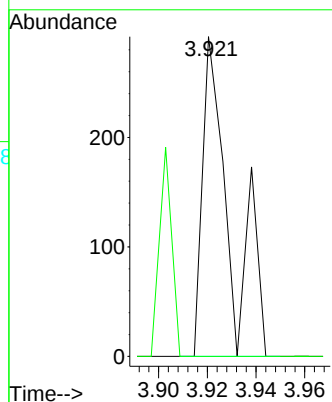
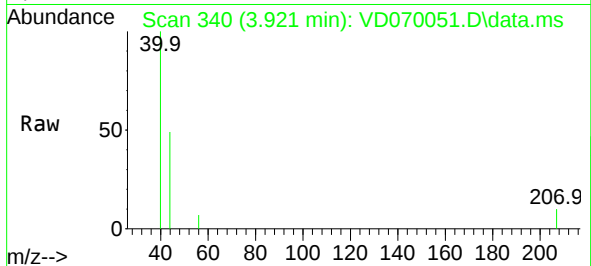




#13
Acrolein
Concen: 1.182 ug/l
RT: 3.921 min Scan# 340
Delta R.T. 0.000 min
Lab File: VD070051.D
Acq: 13 Aug 2021 15:50

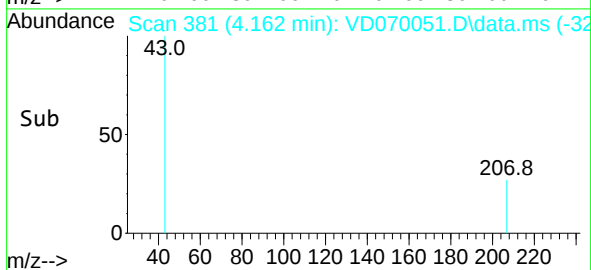
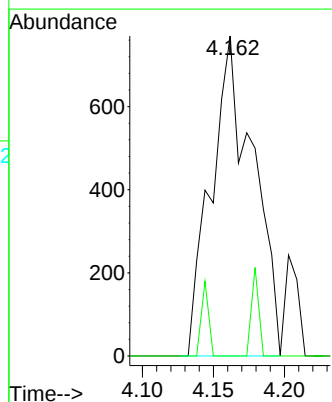
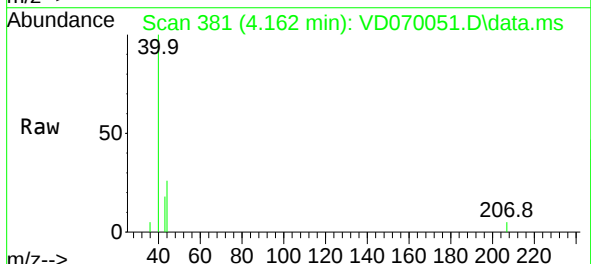
Instrument :
MSVOA_D
ClientSampleId :
SWCS-07-0002

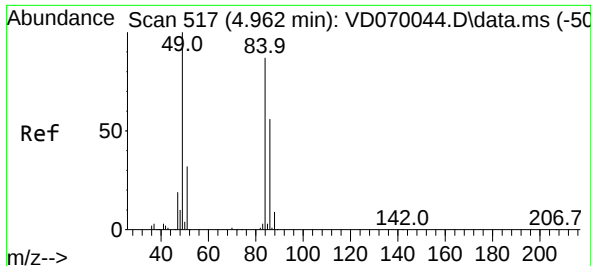
Tgt Ion: 56 Resp: 227
Ion Ratio Lower Upper
56 100
55 29.5 57.4 86.0#



#16
Acetone
Concen: 2.848 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070051.D
Acq: 13 Aug 2021 15:50

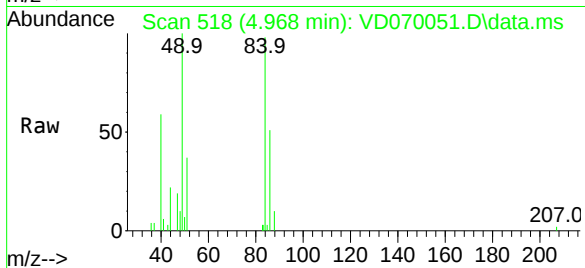
Tgt Ion: 43 Resp: 1582
Ion Ratio Lower Upper
43 100
58 0.0 26.8 40.2#



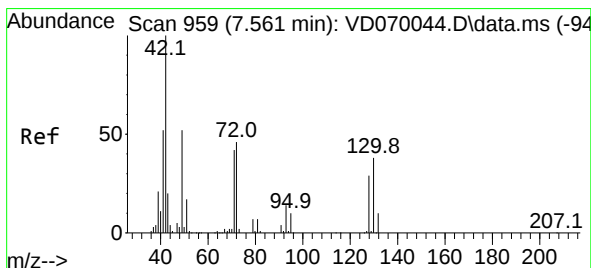
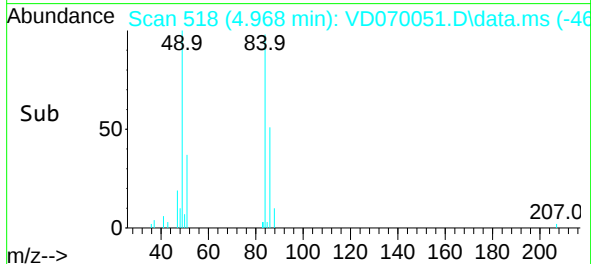
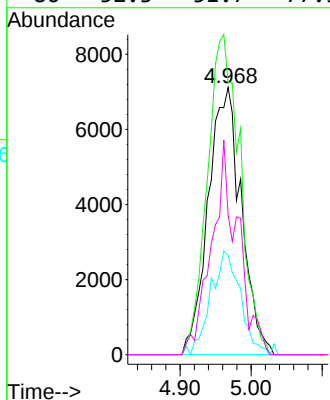


#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD070051.D
Acq: 13 Aug 2021 15:50

Instrument :
MSVOA_D
ClientSampleId :
SWCS-07-0002

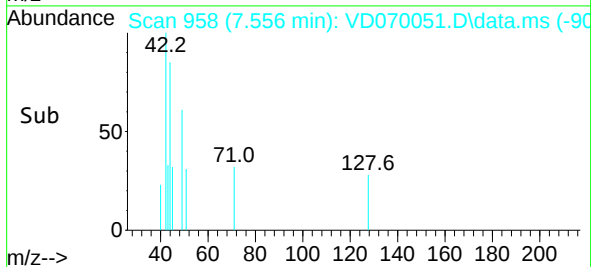
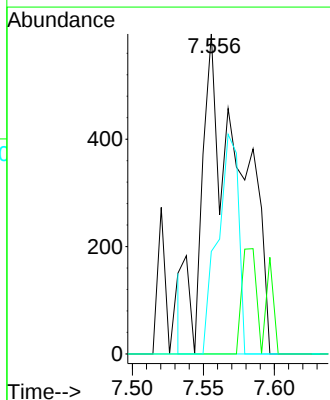
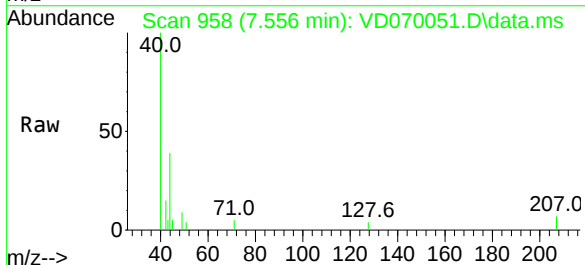


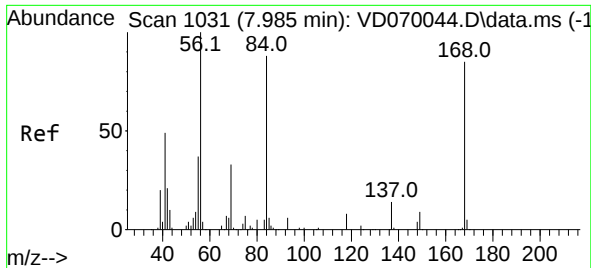
Tgt Ion:	84	Resp:	22982
Ion	Ratio	Lower	Upper
84	100		
49	101.8	92.5	138.7
51	37.2	29.7	44.5
86	52.3	51.7	77.5



#29
Tetrahydrofuran
Concen: 2.267 ug/l
RT: 7.556 min Scan# 958
Delta R.T. -0.006 min
Lab File: VD070051.D
Acq: 13 Aug 2021 15:50

Tgt Ion:	42	Resp:	1127
Ion	Ratio	Lower	Upper
42	100		
72	0.0	37.5	56.3#
71	37.2	33.6	50.4

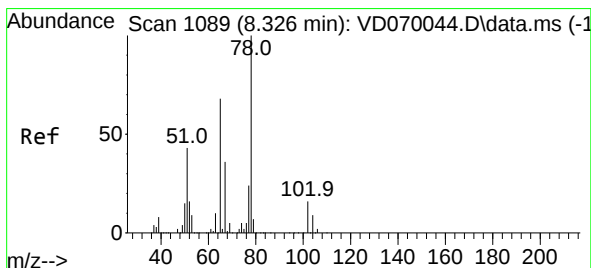
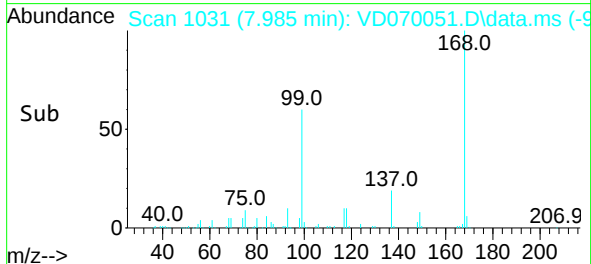
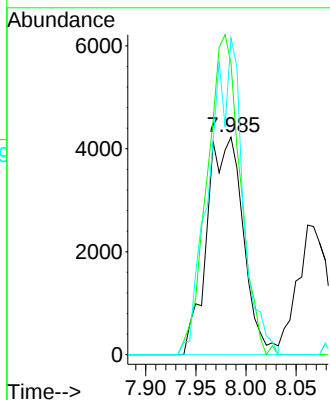
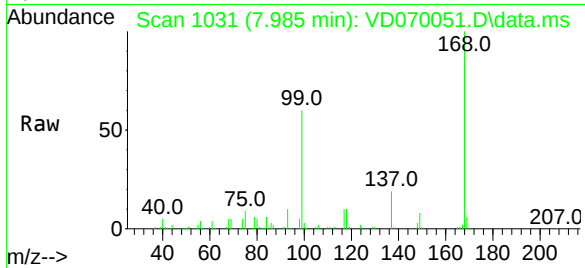




#31
Cyclohexane
Concen: 1.786 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD070051.D
Acq: 13 Aug 2021 15:50

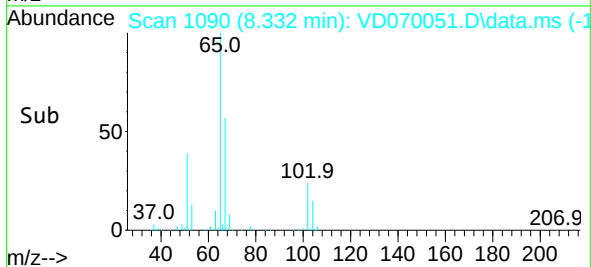
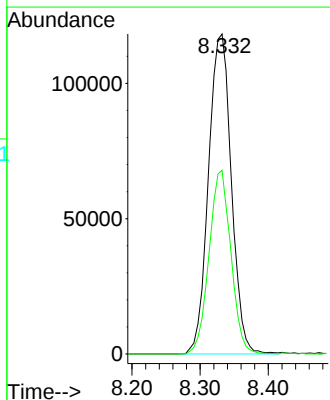
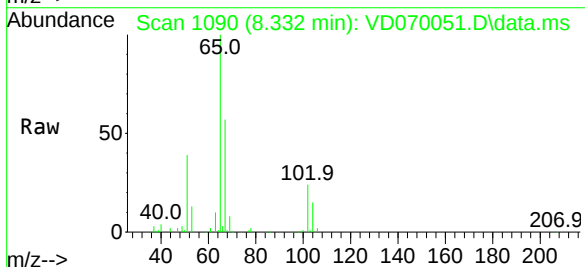
Instrument :
MSVOA_D
ClientSampleId :
SWCS-07-0002

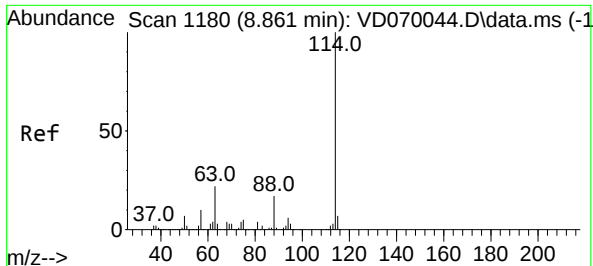
Tgt Ion: 56 Resp: 10659
Ion Ratio Lower Upper
56 100
69 134.1 26.7 40.1#
84 145.7 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 91.623 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070051.D
Acq: 13 Aug 2021 15:50

Tgt Ion: 65 Resp: 276320
Ion Ratio Lower Upper
65 100
67 54.8 0.0 107.8



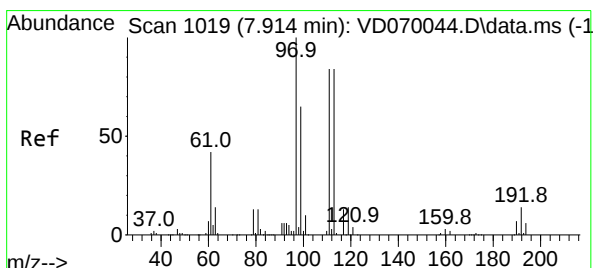
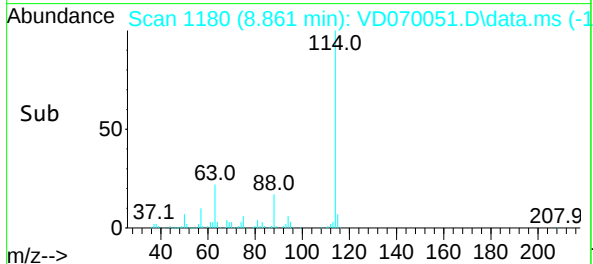
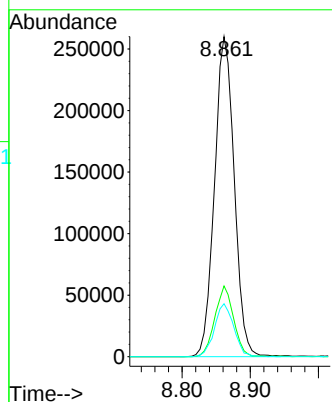
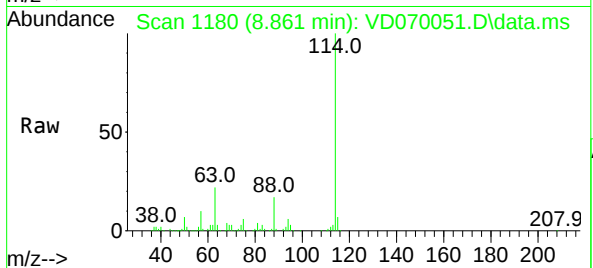


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070051.D
Acq: 13 Aug 2021 15:50

Instrument :
MSVOA_D
ClientSampleId :
SWCS-07-0002

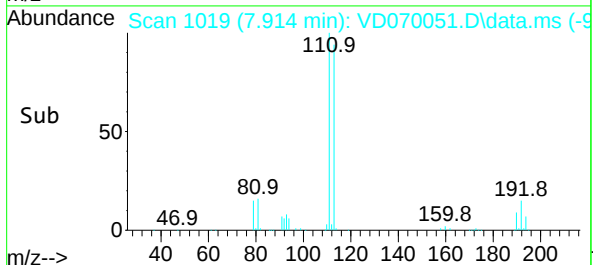
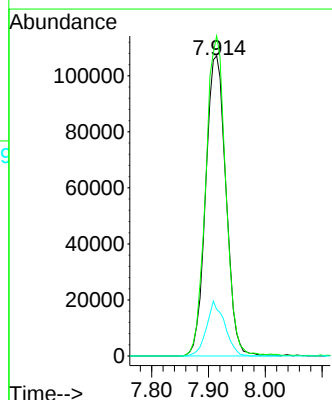
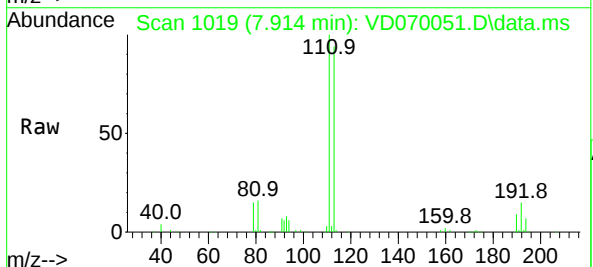
Tgt Ion:114 Resp: 523944
Ion Ratio Lower Upper
114 100
63 22.1 0.0 43.6
88 16.6 0.0 33.4

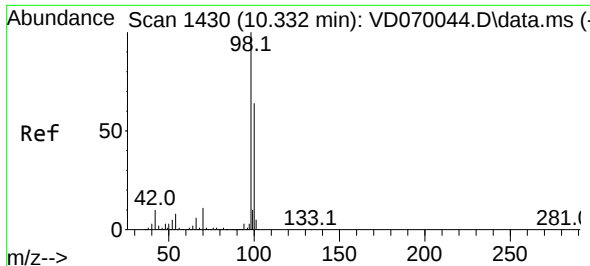


#35

Dibromofluoromethane
Concen: 78.244 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD070051.D
Acq: 13 Aug 2021 15:50

Tgt Ion:113 Resp: 264858
Ion Ratio Lower Upper
113 100
111 104.9 81.8 122.6
192 16.5 13.2 19.8

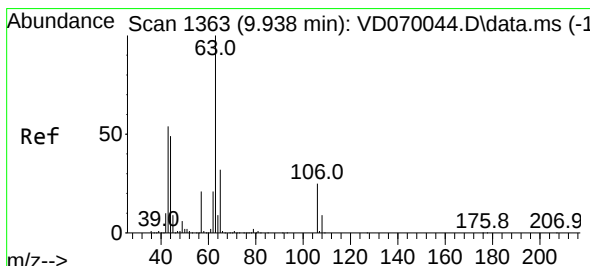
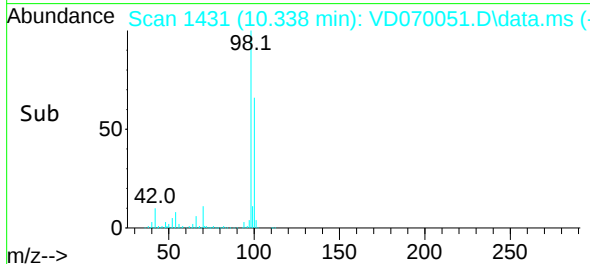
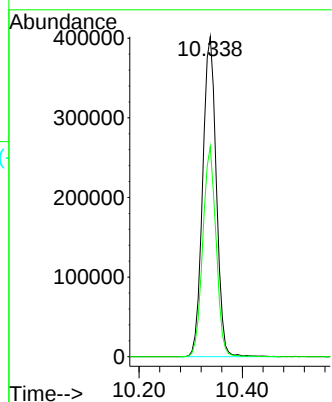
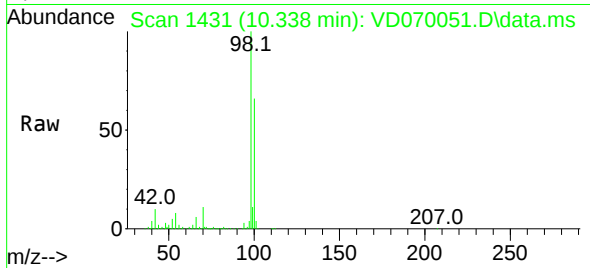




#50
Toluene-d8
Concen: 55.794 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070051.D
Acq: 13 Aug 2021 15:50

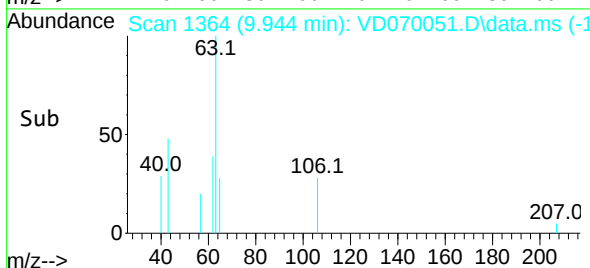
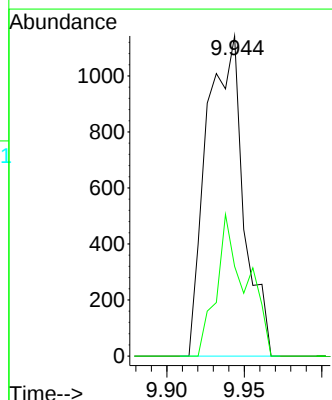
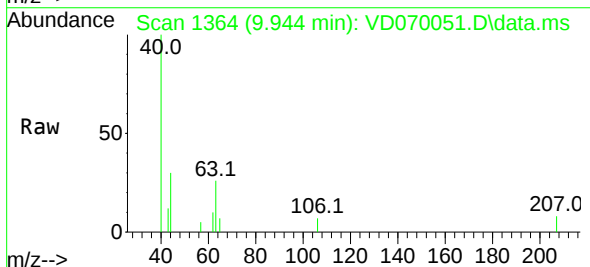
Instrument :
MSVOA_D
ClientSampleId :
SWCS-07-0002

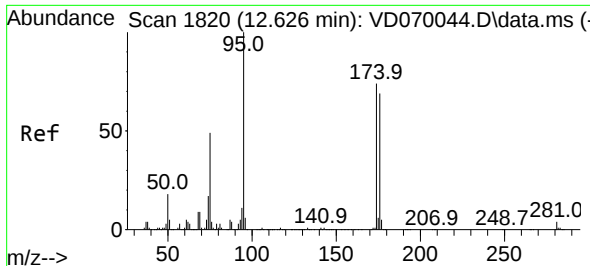
Tgt Ion: 98 Resp: 734583
Ion Ratio Lower Upper
98 100
100 64.1 52.6 78.8



#58
2-Chloroethyl Vinyl ether
Concen: 1.080 ug/l
RT: 9.944 min Scan# 1364
Delta R.T. 0.006 min
Lab File: VD070051.D
Acq: 13 Aug 2021 15:50

Tgt Ion: 63 Resp: 1894
Ion Ratio Lower Upper
63 100
106 35.4 21.2 31.8#

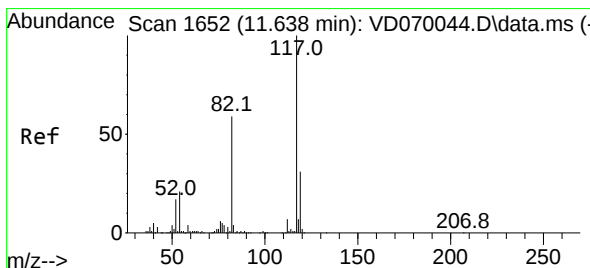
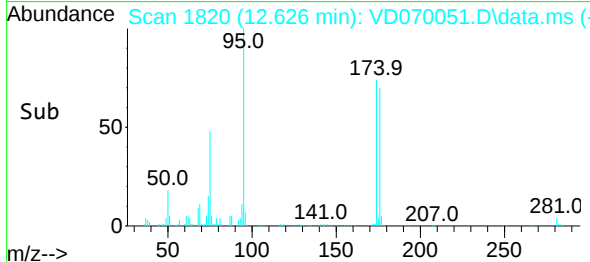
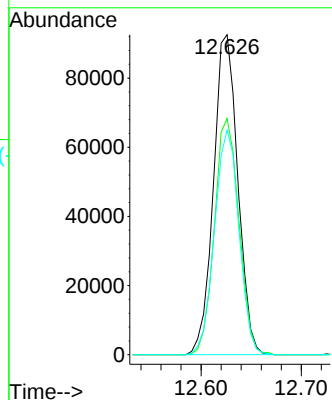
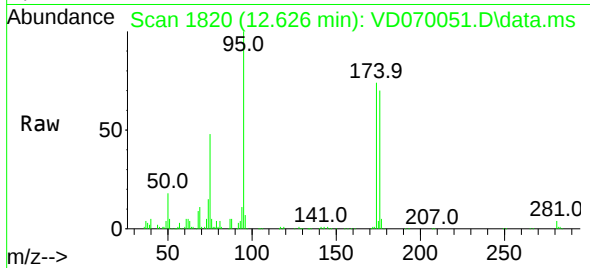




#62
4-Bromofluorobenzene
Concen: 35.924 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070051.D
Acq: 13 Aug 2021 15:50

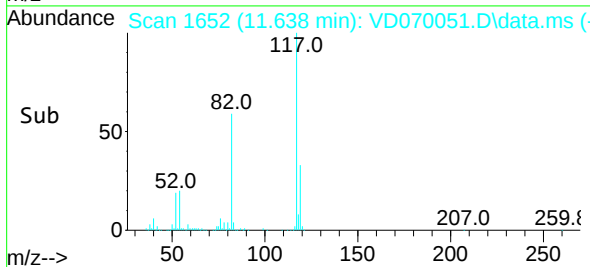
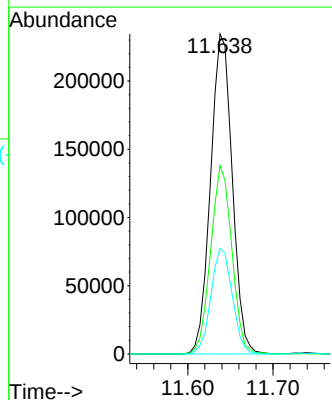
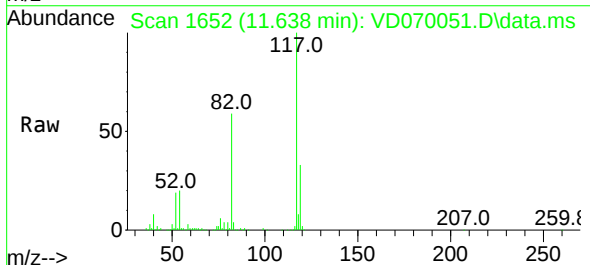
Instrument :
MSVOA_D
ClientSampleId :
SWCS-07-0002

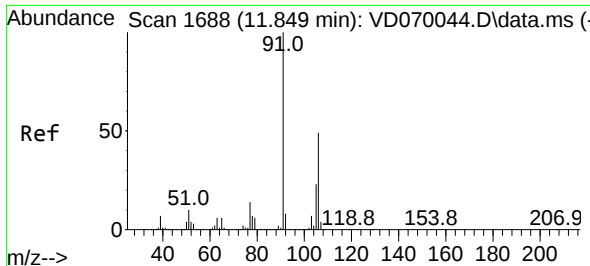
Tgt Ion: 95 Resp: 155785
Ion Ratio Lower Upper
95 100
174 74.3 0.0 141.6
176 70.6 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070051.D
Acq: 13 Aug 2021 15:50

Tgt Ion: 117 Resp: 414961
Ion Ratio Lower Upper
117 100
82 58.9 47.5 71.3
119 32.9 25.1 37.7

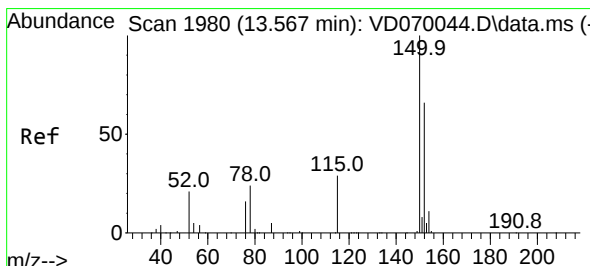
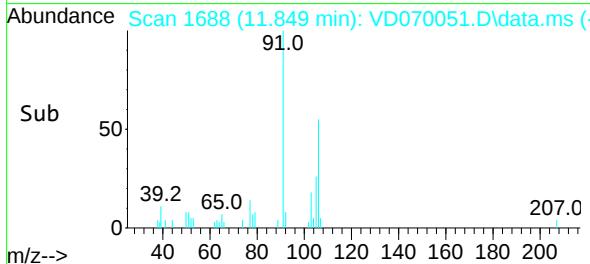
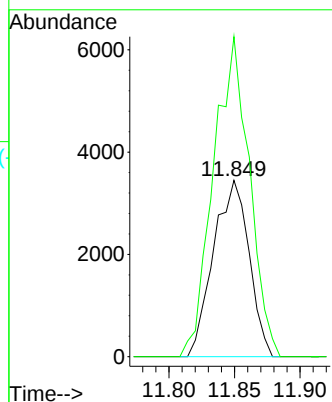
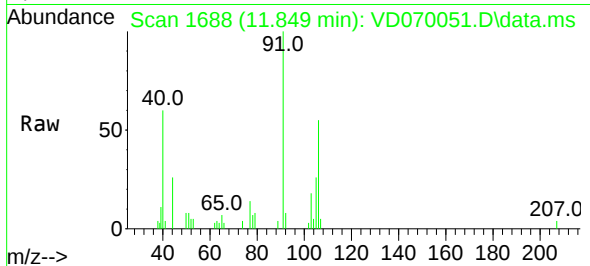




#68
m/p-Xylenes
Concen: 1.094 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VD070051.D
Acq: 13 Aug 2021 15:50

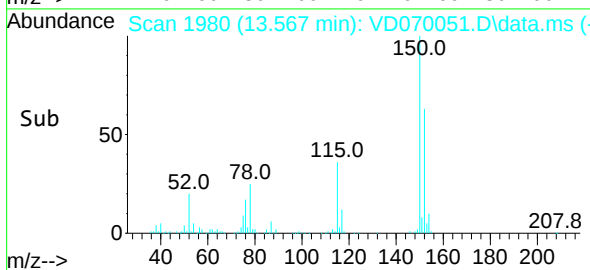
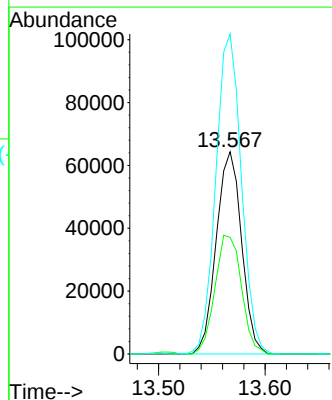
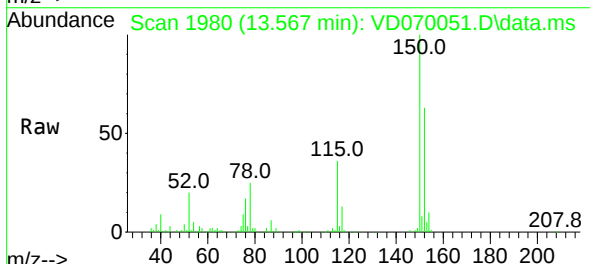
Instrument :
MSVOA_D
ClientSampleId :
SWCS-07-0002

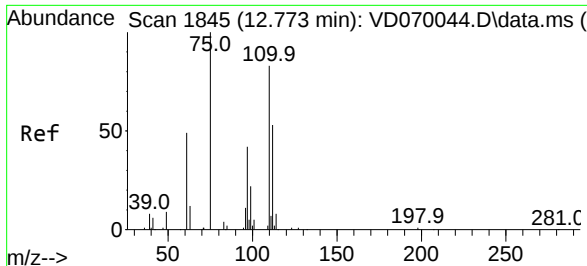
Tgt Ion:106 Resp: 6497
Ion Ratio Lower Upper
106 100
91 183.6 164.6 246.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD070051.D
Acq: 13 Aug 2021 15:50

Tgt Ion:152 Resp: 106082
Ion Ratio Lower Upper
152 100
115 61.3 31.2 93.6
150 159.8 0.0 352.0

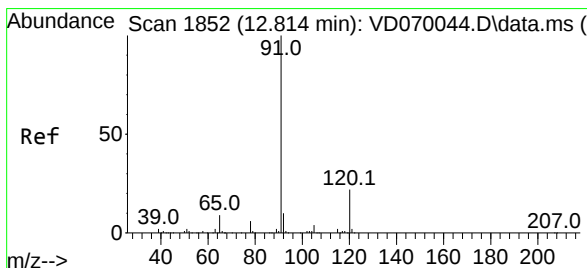
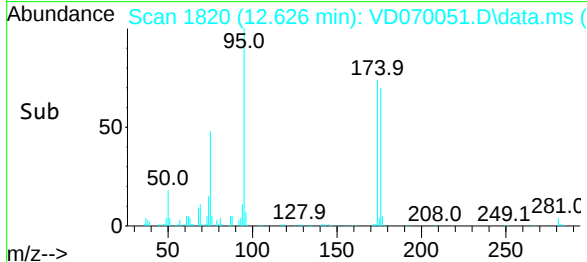
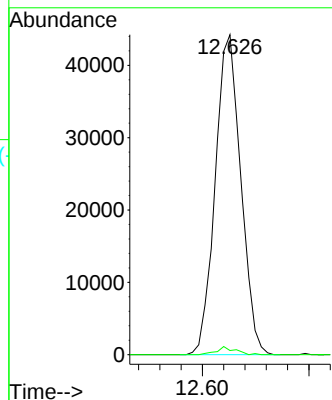
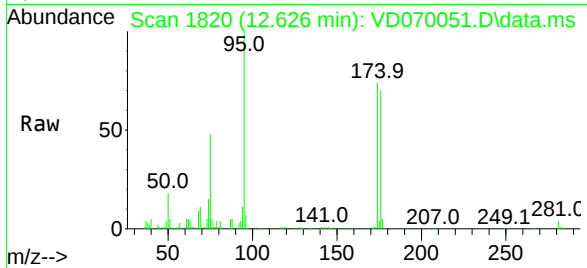




#76
1,2,3-Trichloropropane
Concen: 68.500 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070051.D
Acq: 13 Aug 2021 15:50

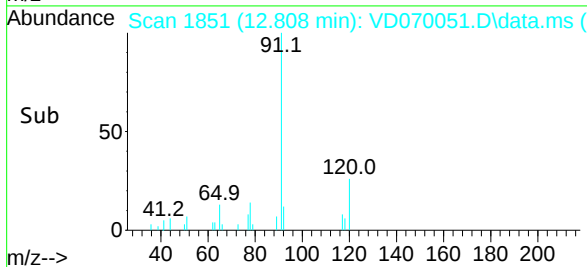
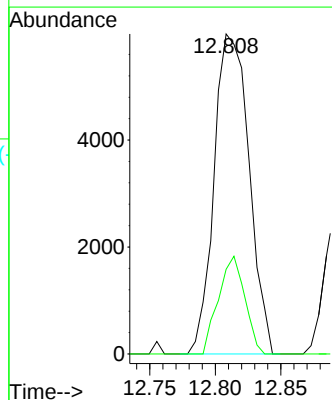
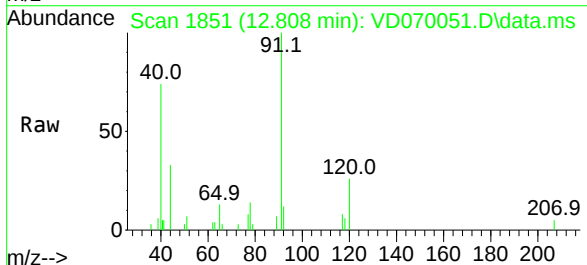
Instrument :
MSVOA_D
ClientSampleId :
SWCS-07-0002

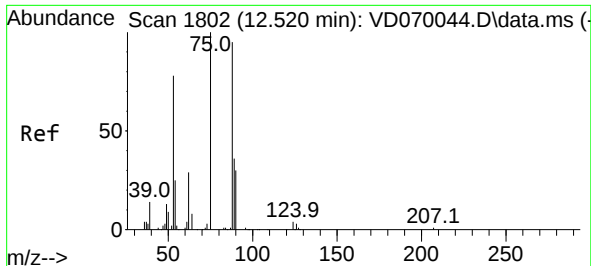
Tgt Ion: 75 Resp: 73693
Ion Ratio Lower Upper
75 100
77 1.8 182.4 547.2#



#78
n-propylbenzene
Concen: 1.111 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.006 min
Lab File: VD070051.D
Acq: 13 Aug 2021 15:50

Tgt Ion: 91 Resp: 11080
Ion Ratio Lower Upper
91 100
120 23.1 10.9 32.9

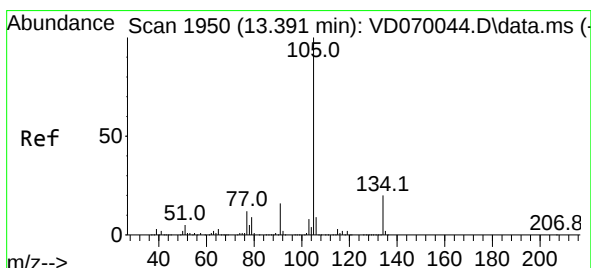
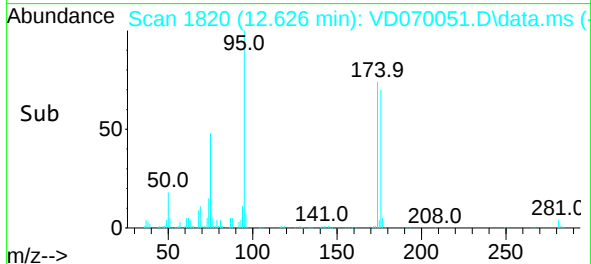
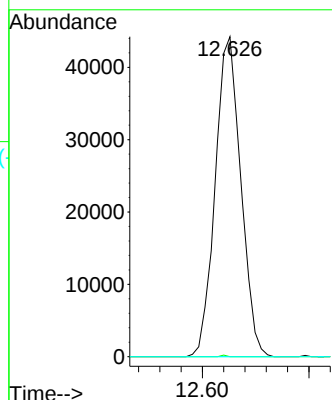
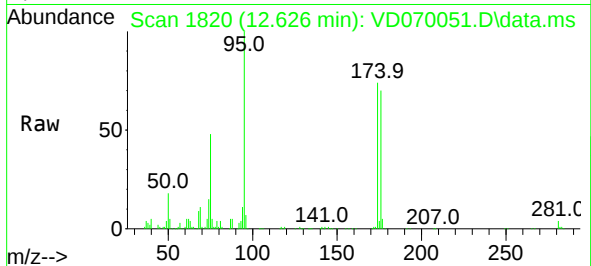




#81
trans-1,4-Dichloro-2-butene
Concen: 177.800 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070051.D
Acq: 13 Aug 2021 15:50

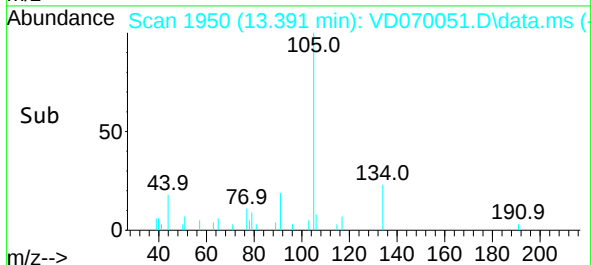
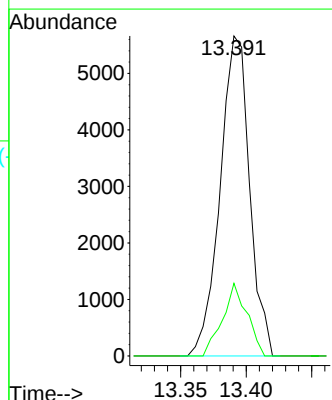
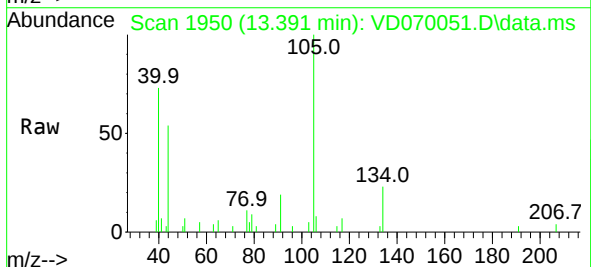
Instrument :
MSVOA_D
ClientSampleId :
SWCS-07-0002

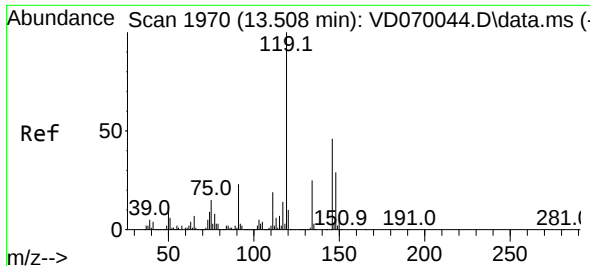
Tgt Ion: 75 Resp: 73693
Ion Ratio Lower Upper
75 100
53 0.1 64.5 96.7#
89 0.0 33.7 50.5#



#85
sec-Butylbenzene
Concen: 1.031 ug/l
RT: 13.391 min Scan# 1950
Delta R.T. 0.000 min
Lab File: VD070051.D
Acq: 13 Aug 2021 15:50

Tgt Ion: 105 Resp: 8846
Ion Ratio Lower Upper
105 100
134 18.8 9.8 29.3

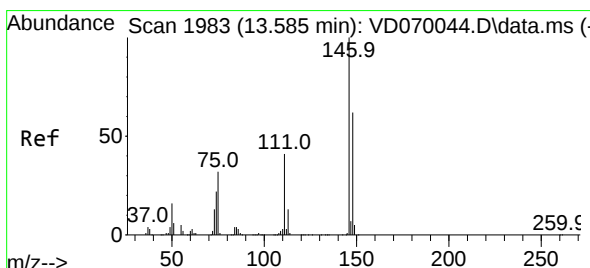
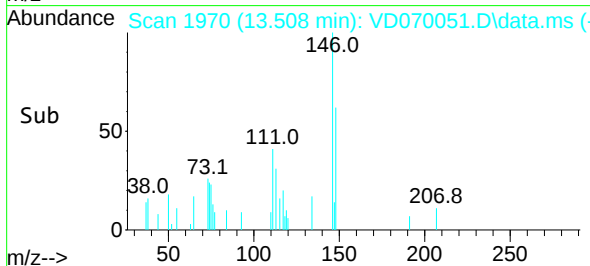
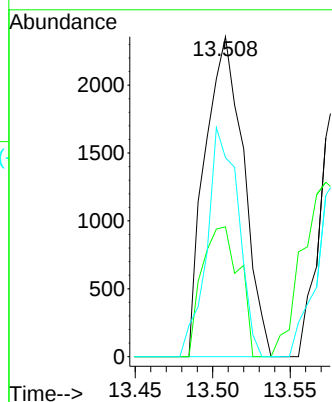
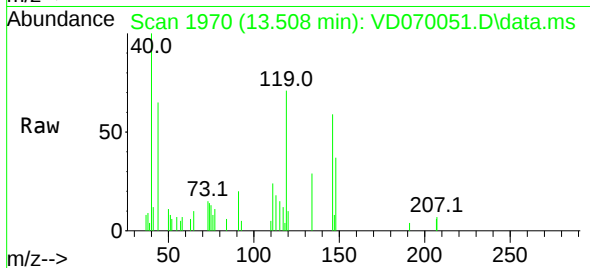




#87
1,3-Dichlorobenzene
Concen: 1.112 ug/l
RT: 13.508 min Scan# 1970
Delta R.T. 0.000 min
Lab File: VD070051.D
Acq: 13 Aug 2021 15:50

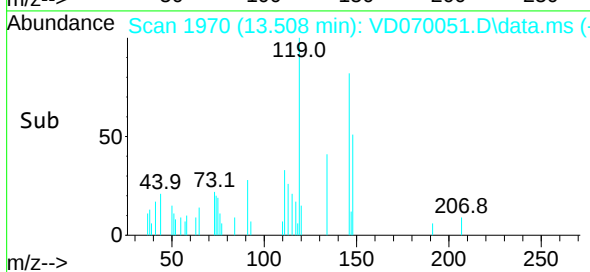
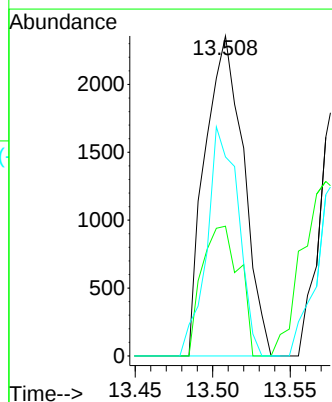
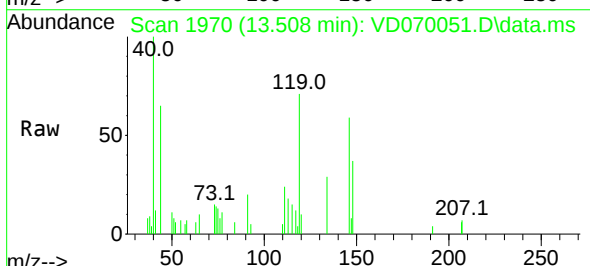
Instrument :
MSVOA_D
ClientSampleId :
SWCS-07-0002

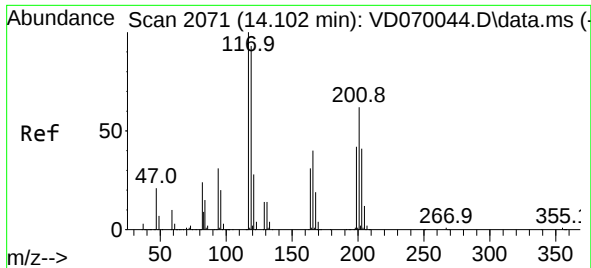
Tgt Ion:146 Resp: 4057
Ion Ratio Lower Upper
146 100
111 39.3 21.3 64.0
148 58.8 31.8 95.4



#88
1,4-Dichlorobenzene
Concen: 1.123 ug/l
RT: 13.508 min Scan# 1970
Delta R.T. -0.076 min
Lab File: VD070051.D
Acq: 13 Aug 2021 15:50

Tgt Ion:146 Resp: 4057
Ion Ratio Lower Upper
146 100
111 39.3 20.3 60.8
148 58.8 31.3 93.9

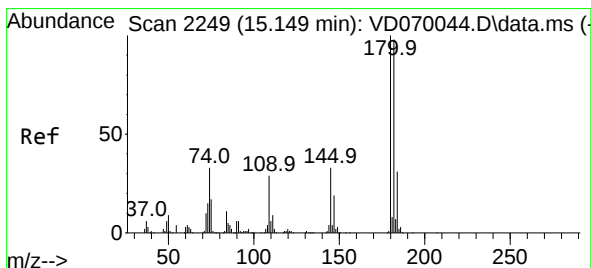
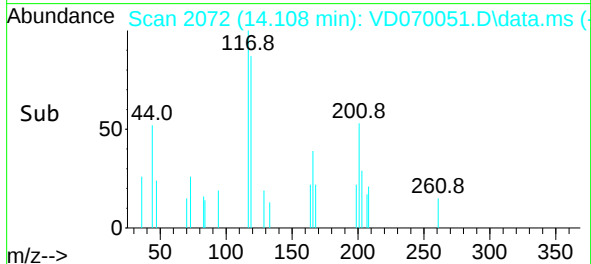
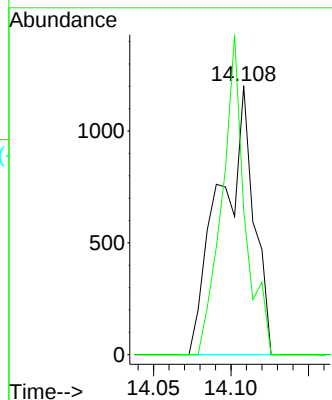
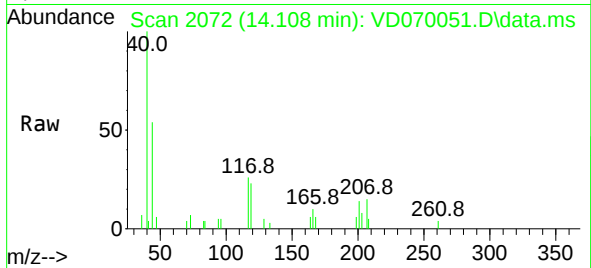




#90
Hexachloroethane
Concen: 1.244 ug/l
RT: 14.108 min Scan# 2072
Delta R.T. 0.006 min
Lab File: VD070051.D
Acq: 13 Aug 2021 15:50

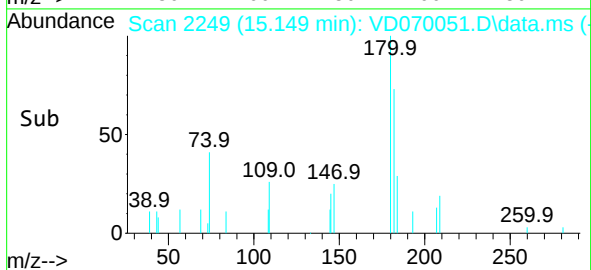
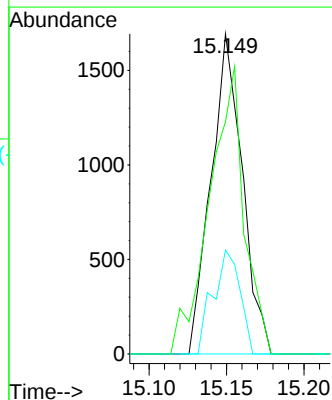
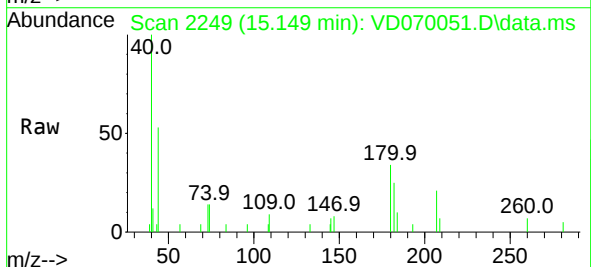
Instrument :
MSVOA_D
ClientSampleId :
SWCS-07-0002

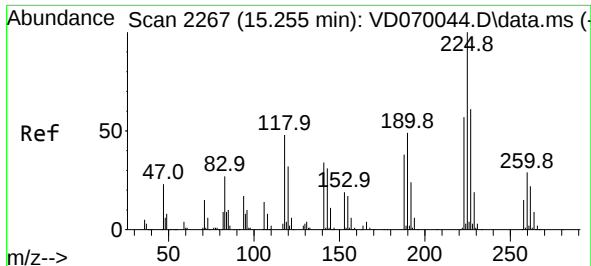
Tgt Ion:117 Resp: 1819
Ion Ratio Lower Upper
117 100
201 80.9 31.6 95.0



#93
1,2,4-Trichlorobenzene
Concen: 1.369 ug/l
RT: 15.149 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VD070051.D
Acq: 13 Aug 2021 15:50

Tgt Ion:180 Resp: 2380
Ion Ratio Lower Upper
180 100
182 99.0 47.9 143.6
145 27.9 16.3 48.9

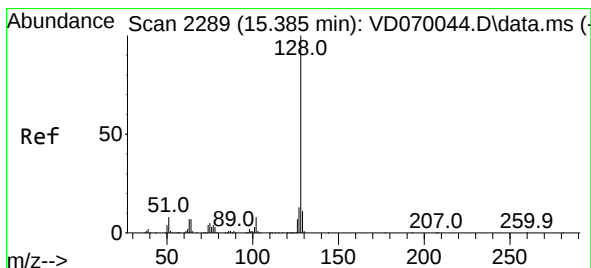
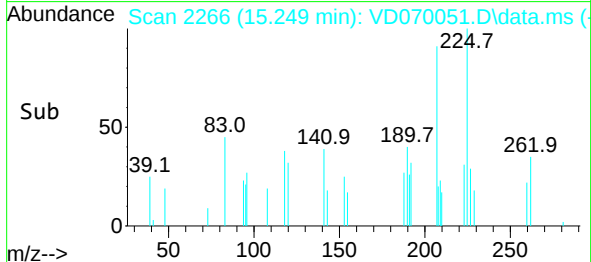
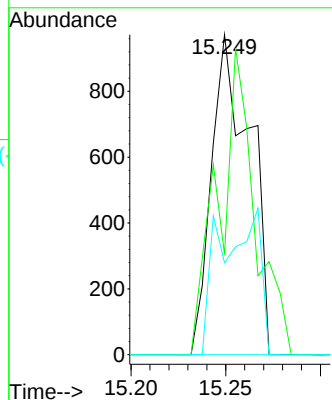
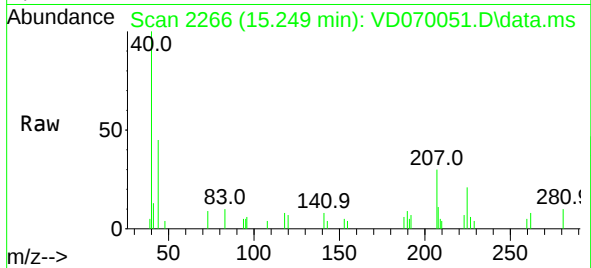




#94
Hexachlorobutadiene
Concen: 1.330 ug/l
RT: 15.249 min Scan# 2266
Delta R.T. -0.006 min
Lab File: VD070051.D
Acq: 13 Aug 2021 15:50

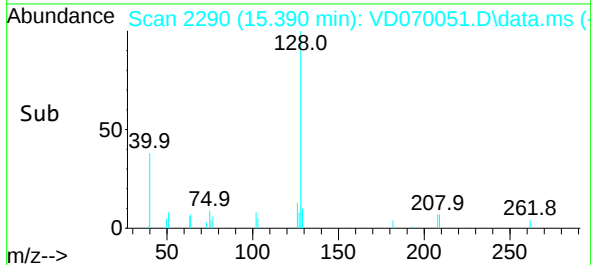
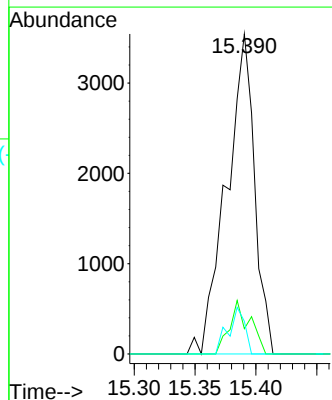
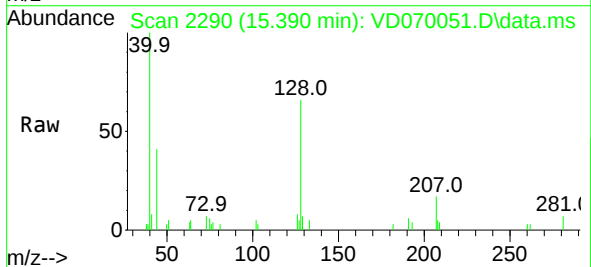
Instrument :
MSVOA_D
ClientSampleId :
SWCS-07-0002

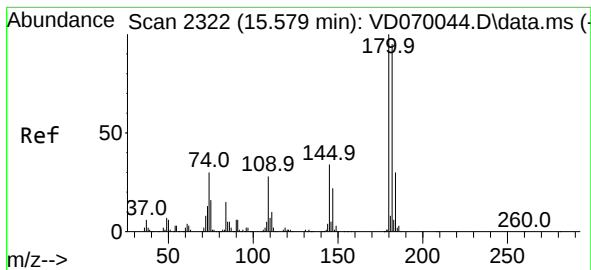
Tgt Ion:	225	Resp:	1366
Ion	Ratio	Lower	Upper
225	100		
223	90.6	30.5	91.5
227	46.9	31.4	94.2



#95
Naphthalene
Concen: 1.788 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.006 min
Lab File: VD070051.D
Acq: 13 Aug 2021 15:50

Tgt Ion:	128	Resp:	5657
Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.5	15.7
129	8.6	8.3	12.5





#96
 1,2,3-Trichlorobenzene
 Concen: 1.675 ug/l
 RT: 15.585 min Scan# 2323
 Delta R.T. 0.006 min
 Lab File: VD070051.D
 Acq: 13 Aug 2021 15:50

Instrument :
 MSVOA_D
 ClientSampleId :
 SWCS-07-0002

Tgt Ion:180 Resp: 2542
 Ion Ratio Lower Upper
 180 100
 182 46.7 47.9 143.6#
 145 43.9 16.8 50.3

