

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081121\
 Data File : VD070023.D
 Acq On : 11 Aug 2021 15:06
 Operator : VA/SY
 Sample : M3333-03RE
 Misc : 4.09G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 12 05:29:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

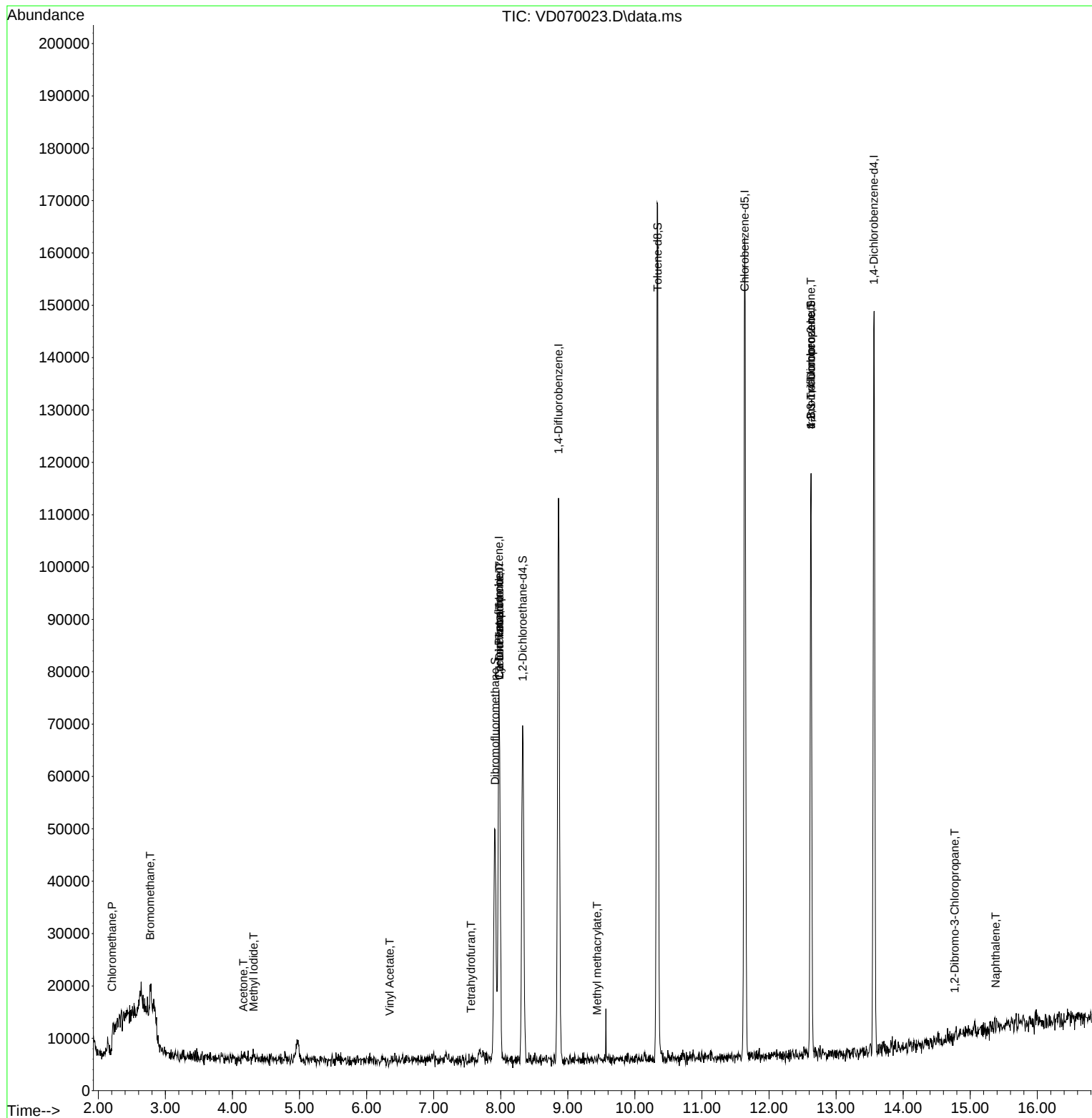
Internal Standards						
1) Pentafluorobenzene	7.973	168	48028	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	92979	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	93919	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	38073	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	49562	89.727	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 179.460%#			
35) Dibromofluoromethane	7.914	113	33434	57.041	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.080%			
50) Toluene-d8	10.338	98	117209	51.860	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.720%			
62) 4-Bromofluorobenzene	12.626	95	38354	50.777	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.560%			
Target Compounds						Qvalue
3) Chloromethane	2.203	50	1403	1.913	ug/l #	74
5) Bromomethane	2.773	94	2864	4.556	ug/l	95
10) Methyl Iodide	4.315	142	1482	5.773	ug/l #	87
16) Acetone	4.162	43	1011	10.132	ug/l #	38
20) Methylene Chloride	4.979	84	3298	Below Cal	#	73
23) Vinyl Acetate	6.344	43	63	20.409	ug/l #	71
29) Tetrahydrofuran	7.556	42	251	2.867	ug/l #	32
31) Cyclohexane	7.979	56	1644	1.523	ug/l #	22
36) 1,1-Dichloropropene	7.979	75	4701	4.685	ug/l #	43
38) Carbon Tetrachloride	7.979	117	5364	5.852	ug/l #	12
48) Methyl methacrylate	9.438	41	63	2.917	ug/l #	70
76) 1,2,3-Trichloropropane	12.626	75	18444	45.576	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	18444	138.265	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.767	75	88	1.119	ug/l #	7
95) Naphthalene	15.379	128	203	5.145	ug/l #	69

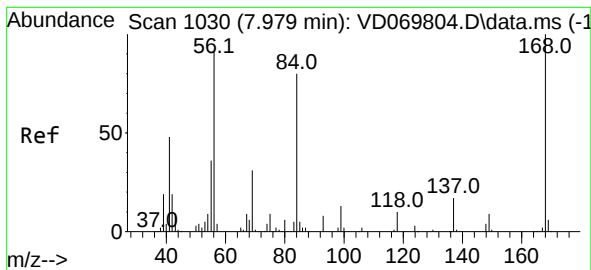
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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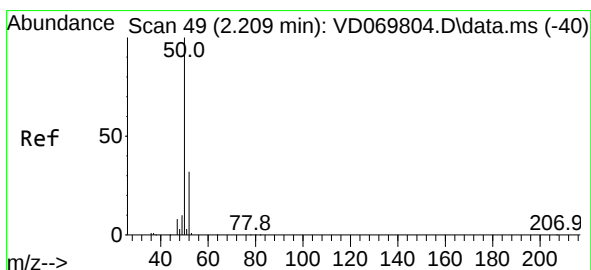
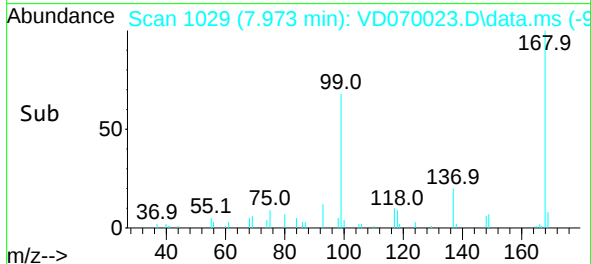
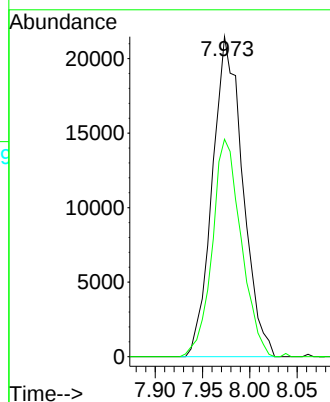
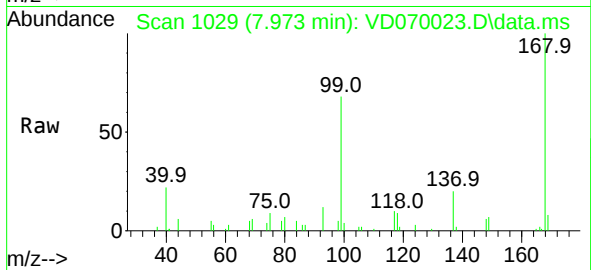




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070023.D
Acq: 11 Aug 2021 15:06

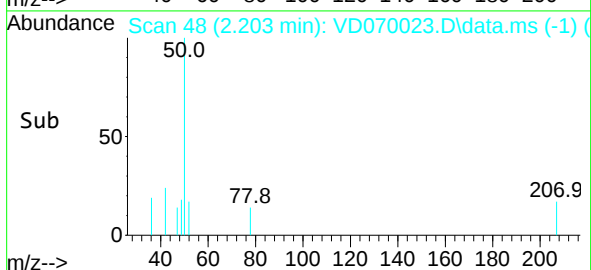
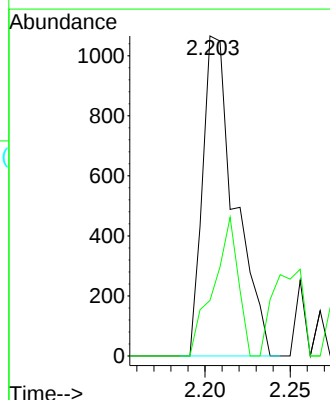
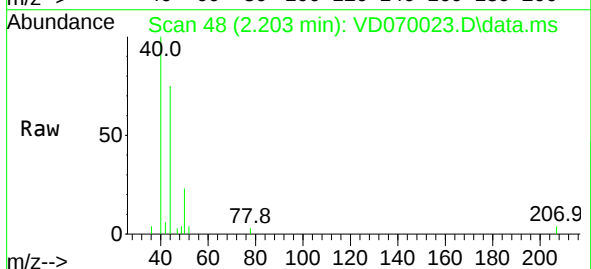
Instrument :
MSVOA_D
ClientSampleId :

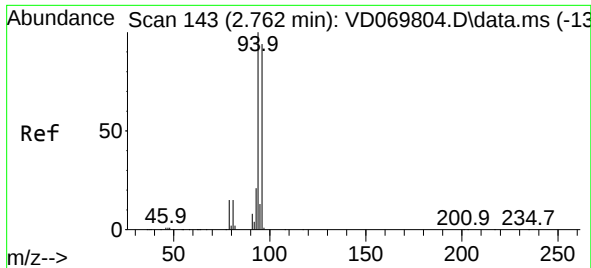
Tgt Ion:168 Resp: 48028
Ion Ratio Lower Upper
168 100
99 67.9 51.1 76.7



#3
Chloromethane
Concen: 1.913 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD070023.D
Acq: 11 Aug 2021 15:06

Tgt Ion: 50 Resp: 1403
Ion Ratio Lower Upper
50 100
52 17.4 25.7 38.5#

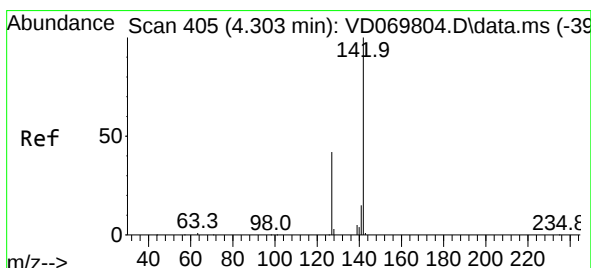
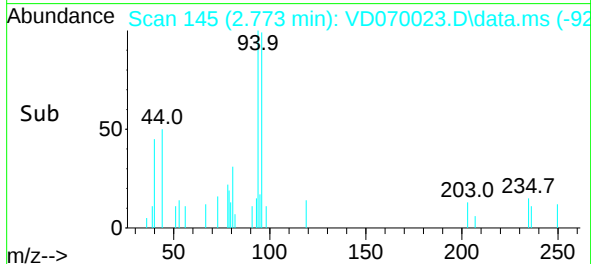
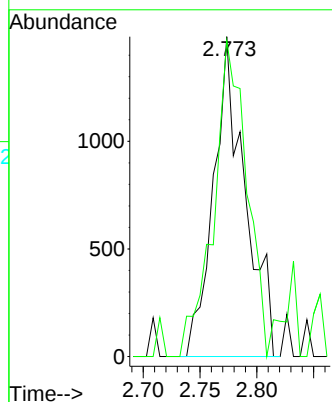
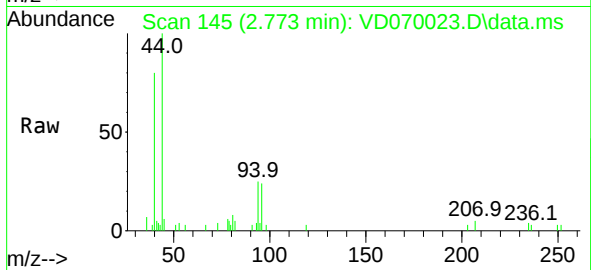




#5
Bromomethane
Concen: 4.556 ug/l
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD070023.D
Acq: 11 Aug 2021 15:06

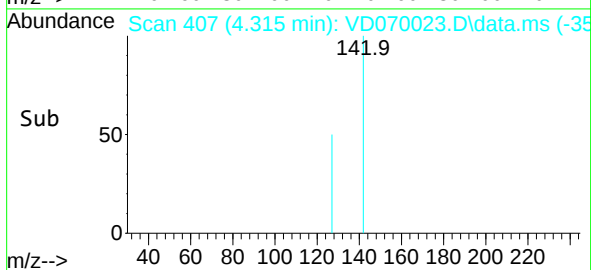
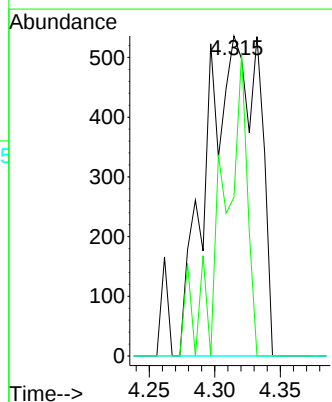
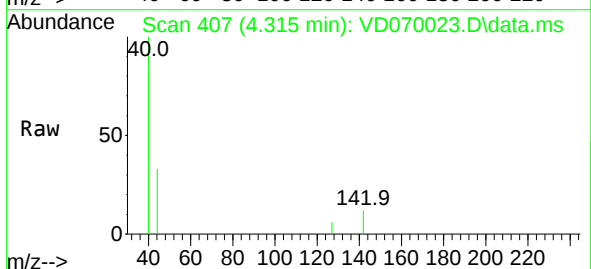
Instrument :
MSVOA_D
ClientSampleId :

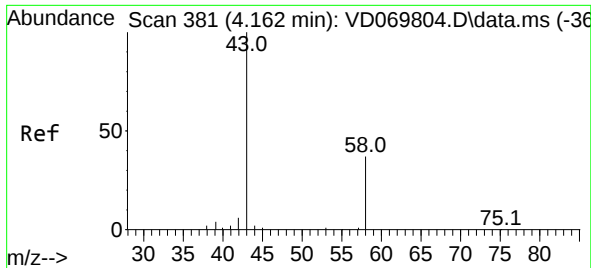
Tgt Ion: 94 Resp: 2864
Ion Ratio Lower Upper
94 100
96 98.8 74.8 112.2



#10
Methyl Iodide
Concen: 5.773 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.012 min
Lab File: VD070023.D
Acq: 11 Aug 2021 15:06

Tgt Ion:142 Resp: 1482
Ion Ratio Lower Upper
142 100
127 41.1 35.7 53.5
141 0.0 12.0 18.0#

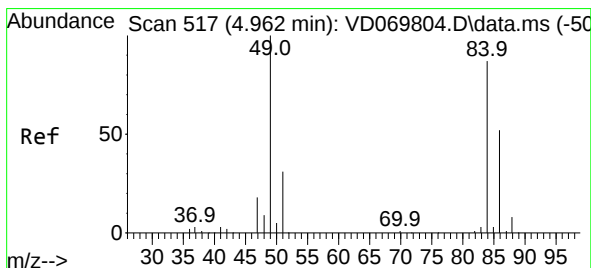
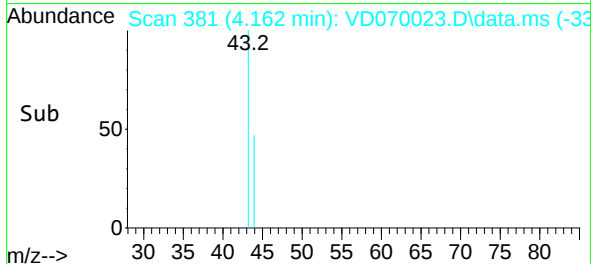
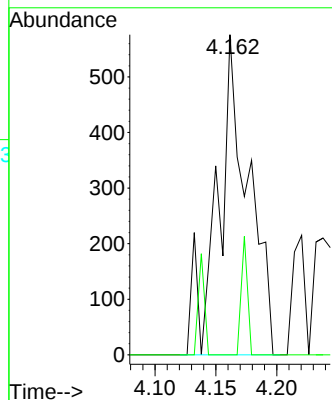
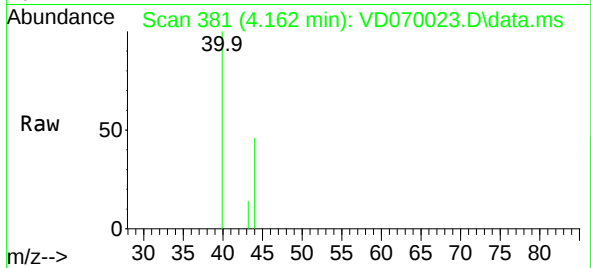




#16
Acetone
Concen: 10.132 ug/l
RT: 4.162 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD070023.D
Acq: 11 Aug 2021 15:06

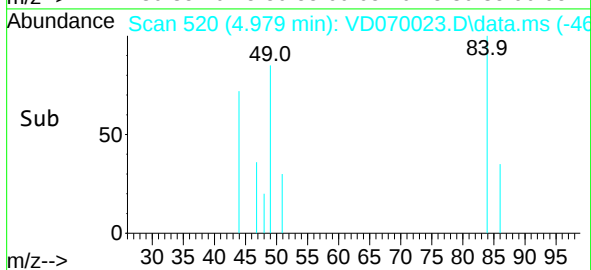
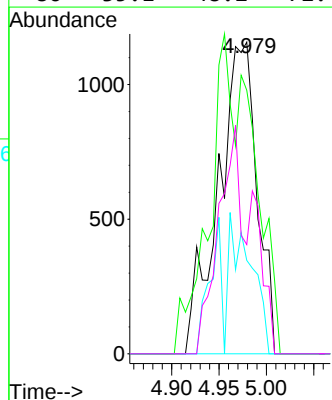
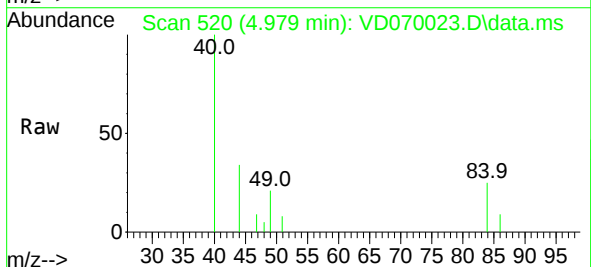
Instrument :
MSVOA_D
ClientSampled :

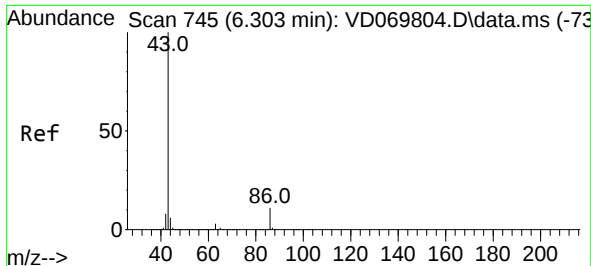
Tgt Ion: 43 Resp: 1011
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.979 min Scan# 520
Delta R.T. 0.017 min
Lab File: VD070023.D
Acq: 11 Aug 2021 15:06

Tgt Ion: 84 Resp: 3298
Ion Ratio Lower Upper
84 100
49 84.5 92.4 138.6#
51 30.0 28.5 42.7
86 35.1 48.2 72.4#

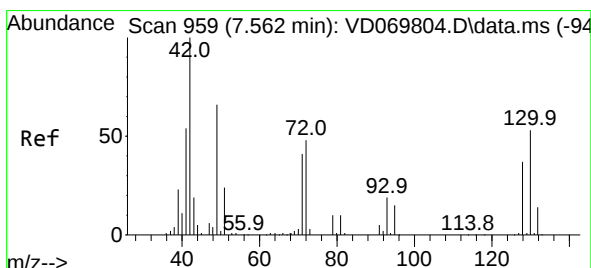
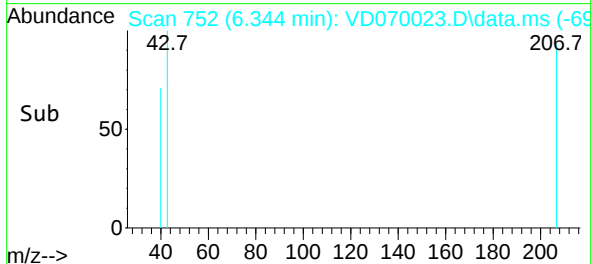
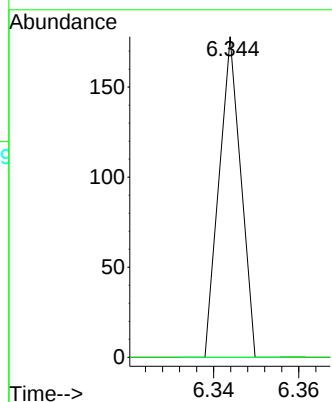
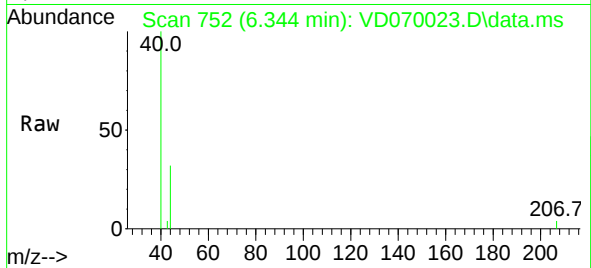




#23
 Vinyl Acetate
 Concen: 20.409 ug/l
 RT: 6.344 min Scan# 752
 Delta R.T. 0.041 min
 Lab File: VD070023.D
 Acq: 11 Aug 2021 15:06

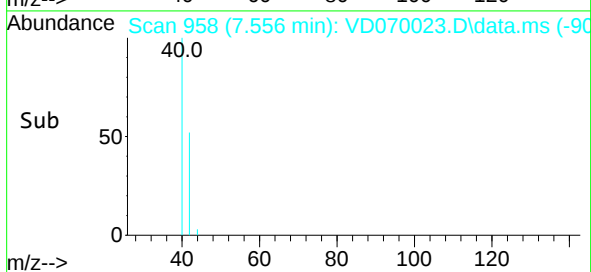
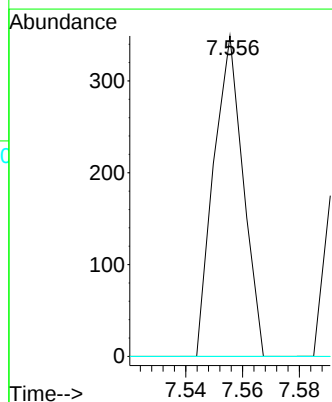
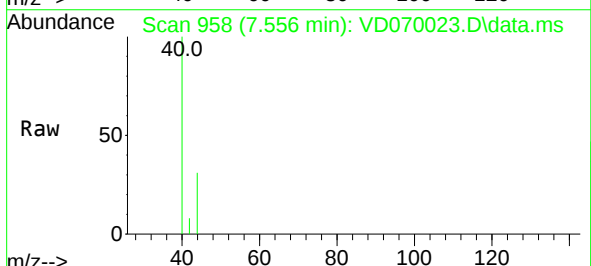
Instrument :
 MSVOA_D
 ClientSampleID :

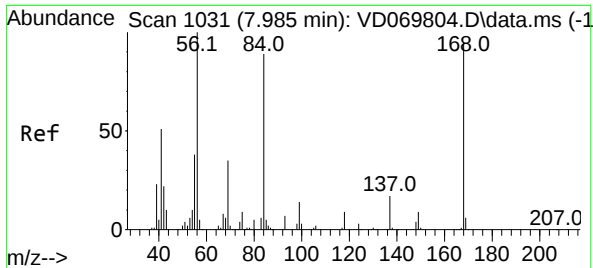
Tgt Ion: 43 Resp: 63
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#29
 Tetrahydrofuran
 Concen: 2.867 ug/l
 RT: 7.556 min Scan# 958
 Delta R.T. -0.006 min
 Lab File: VD070023.D
 Acq: 11 Aug 2021 15:06

Tgt Ion: 42 Resp: 251
 Ion Ratio Lower Upper
 42 100
 72 0.0 36.5 54.7#
 71 0.0 33.5 50.3#

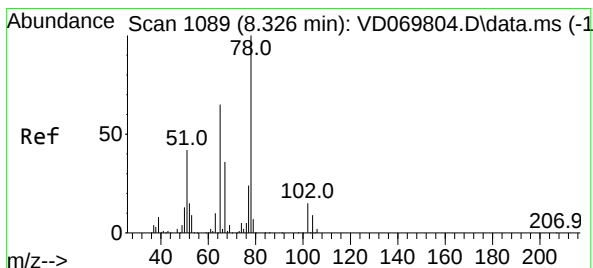
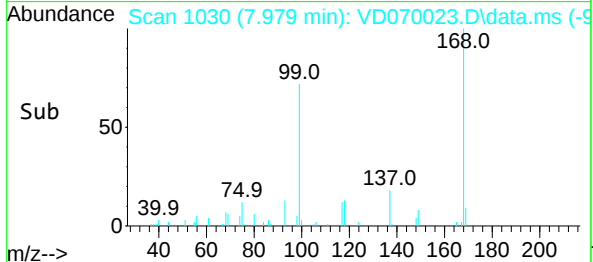
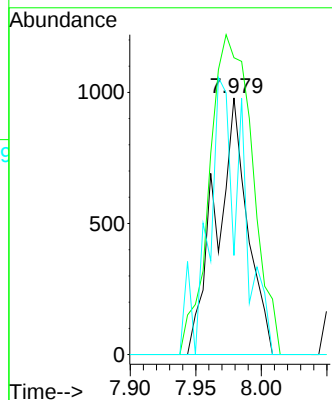
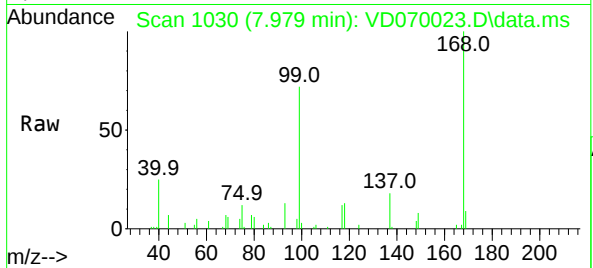




#31
Cyclohexane
Concen: 1.523 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070023.D
Acq: 11 Aug 2021 15:06

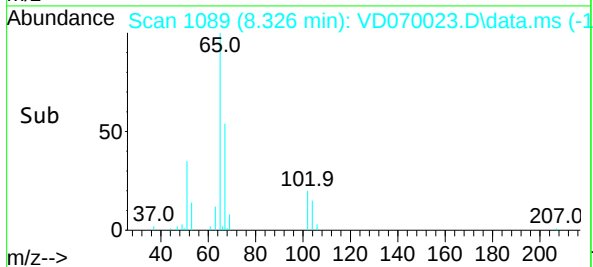
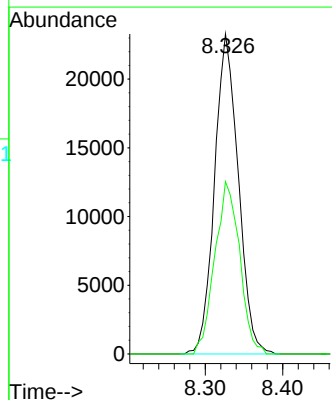
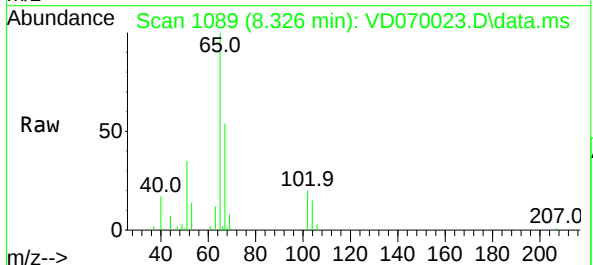
Instrument :
MSVOA_D
ClientSampleId :

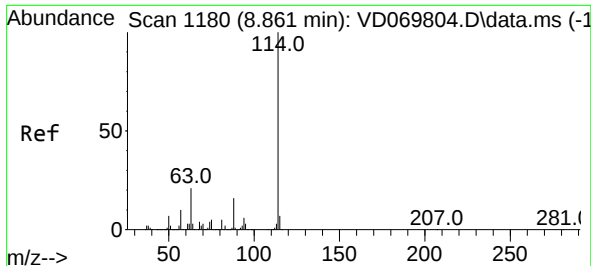
Tgt Ion: 56 Resp: 1644
Ion Ratio Lower Upper
56 100
69 115.6 27.9 41.9#
84 38.6 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 89.727 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070023.D
Acq: 11 Aug 2021 15:06

Tgt Ion: 65 Resp: 49562
Ion Ratio Lower Upper
65 100
67 56.3 0.0 111.2

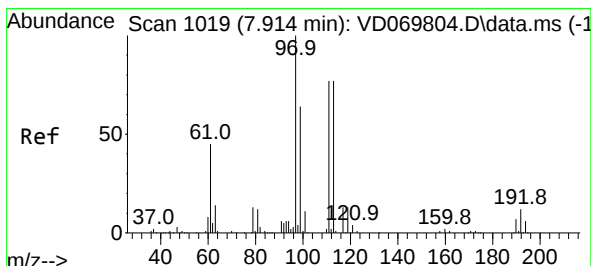
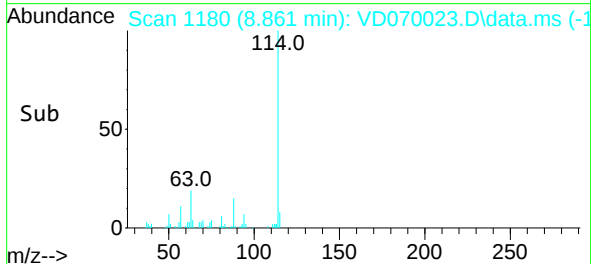
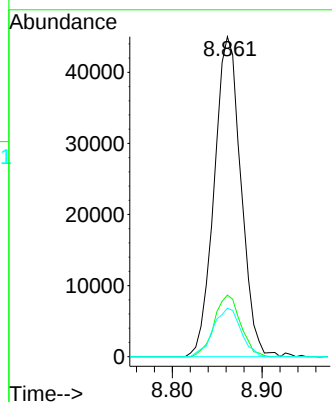
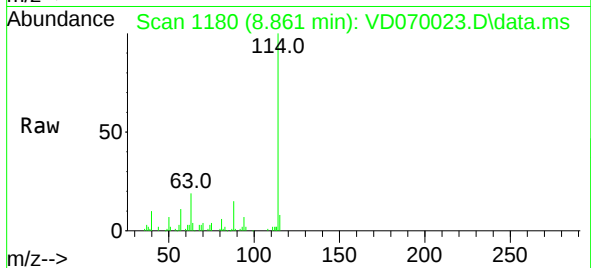




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070023.D
Acq: 11 Aug 2021 15:06

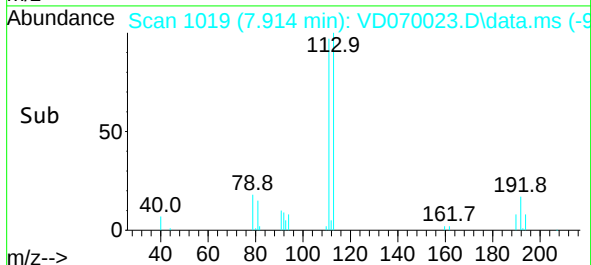
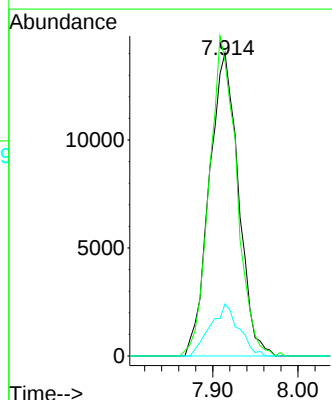
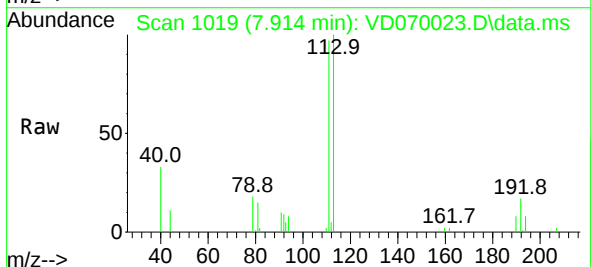
Instrument :
MSVOA_D
ClientSampled :

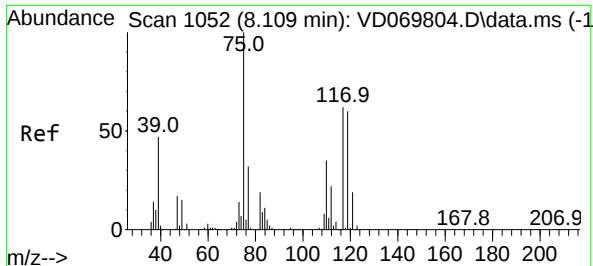
Tgt Ion:114 Resp: 92979
Ion Ratio Lower Upper
114 100
63 19.2 0.0 41.6
88 15.2 0.0 31.4



#35
Dibromofluoromethane
Concen: 57.041 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070023.D
Acq: 11 Aug 2021 15:06

Tgt Ion:113 Resp: 33434
Ion Ratio Lower Upper
113 100
111 98.8 80.5 120.7
192 16.6 12.6 19.0

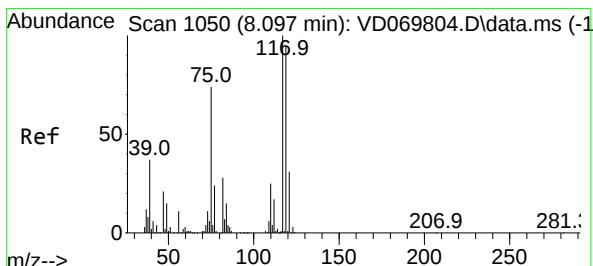
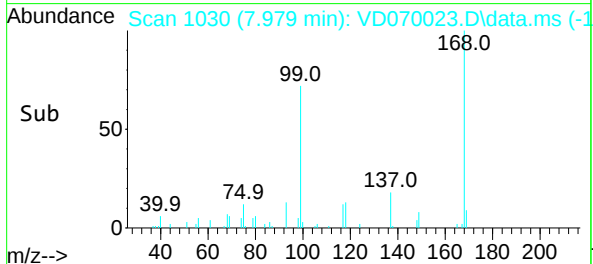
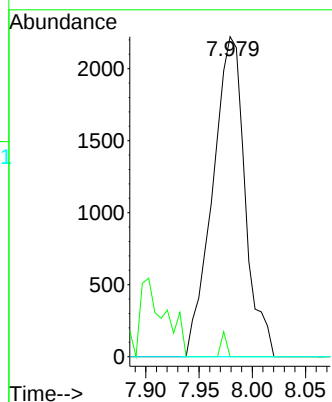
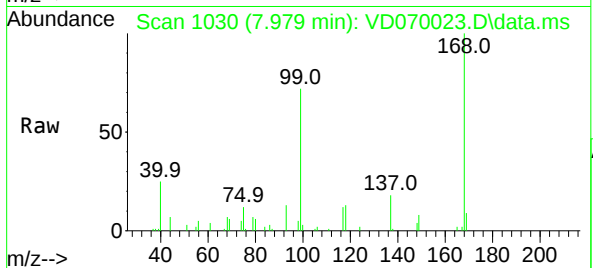




#36
1,1-Dichloropropene
Concen: 4.685 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD070023.D
Acq: 11 Aug 2021 15:06

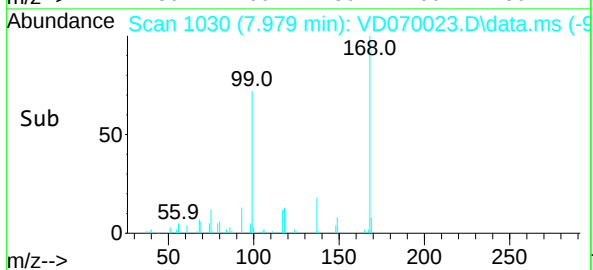
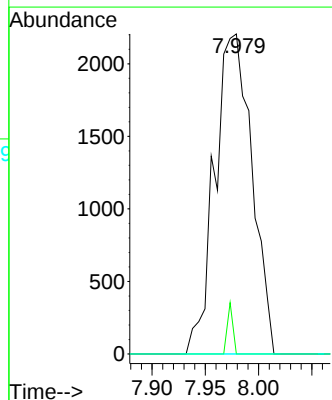
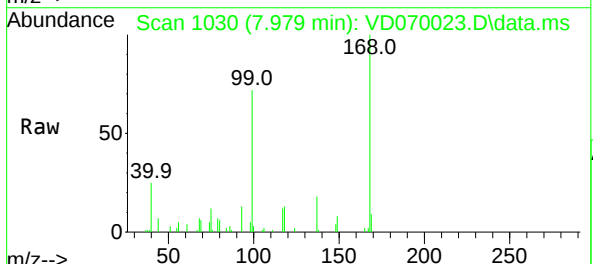
Instrument :
MSVOA_D
ClientSampleId :

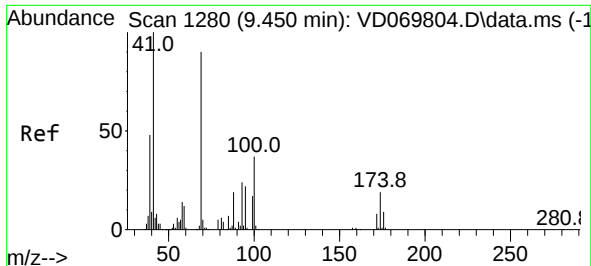
Tgt Ion: 75 Resp: 4701
Ion Ratio Lower Upper
75 100
110 1.3 16.9 50.7#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.852 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070023.D
Acq: 11 Aug 2021 15:06

Tgt Ion: 117 Resp: 5364
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.2#
121 0.0 24.5 36.7#





#48

Methyl methacrylate

Concen: 2.917 ug/l

RT: 9.438 min Scan# 1278

Delta R.T. -0.012 min

Lab File: VD070023.D

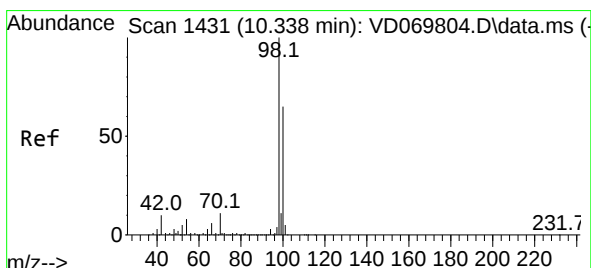
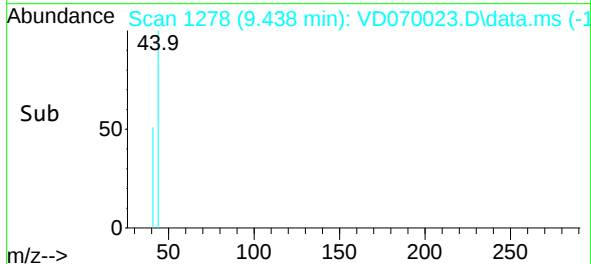
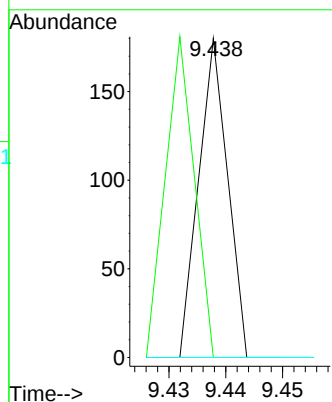
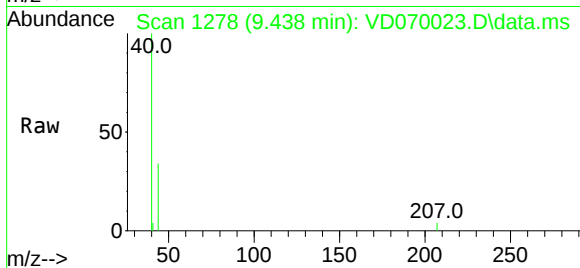
Acq: 11 Aug 2021 15:06

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	41	Resp:	63
Ion	Ratio	Lower	Upper
41	100		
69	101.6	73.4	110.2
39	0.0	36.6	55.0#



#50

Toluene-d8

Concen: 51.860 ug/l

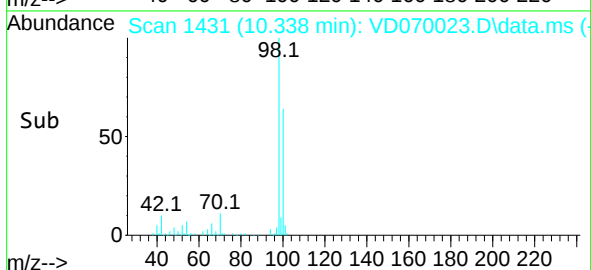
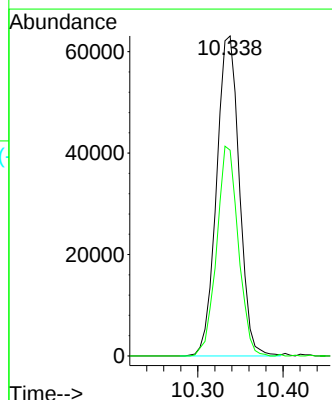
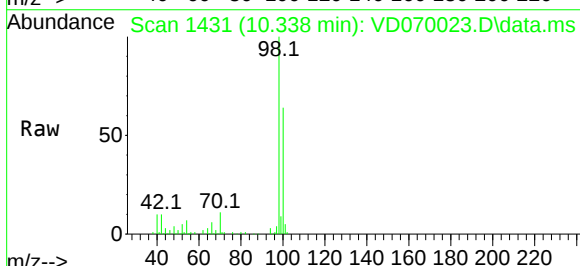
RT: 10.338 min Scan# 1431

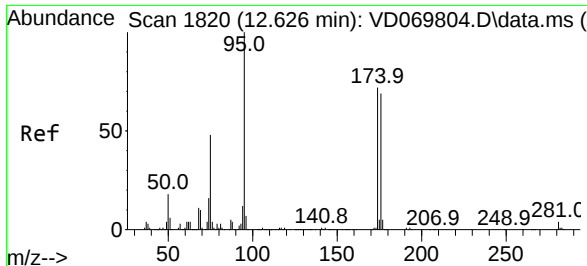
Delta R.T. -0.000 min

Lab File: VD070023.D

Acq: 11 Aug 2021 15:06

Tgt Ion:	98	Resp:	117209
Ion	Ratio	Lower	Upper
98	100		
100	62.4	51.9	77.9

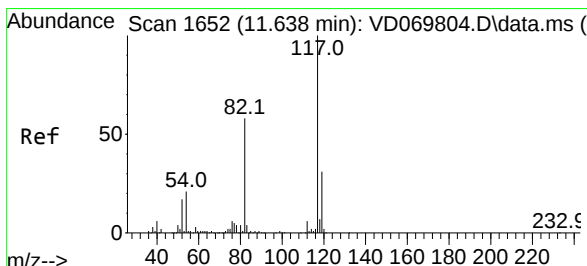
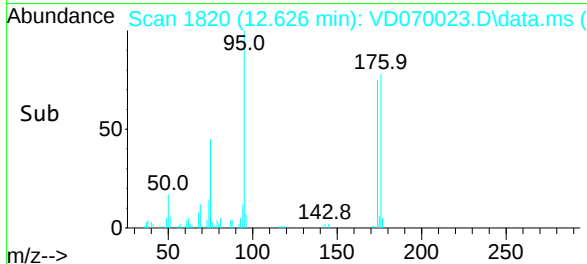
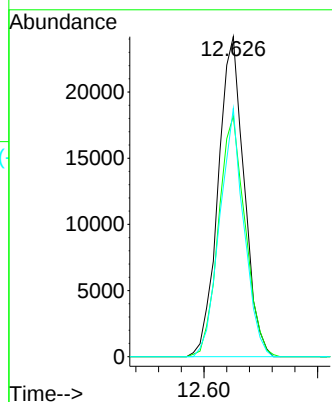
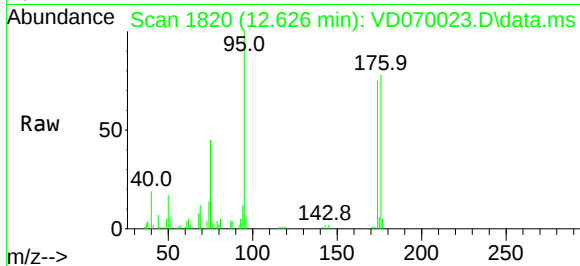




#62
4-Bromofluorobenzene
Concen: 50.777 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070023.D
Acq: 11 Aug 2021 15:06

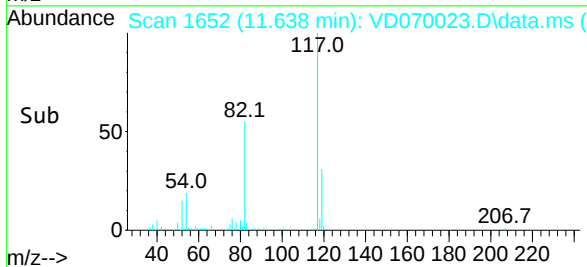
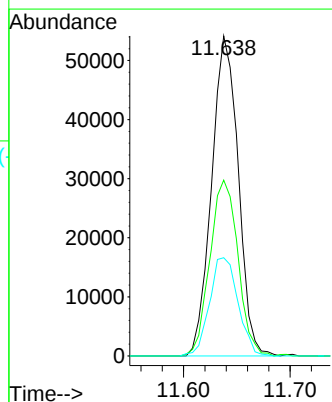
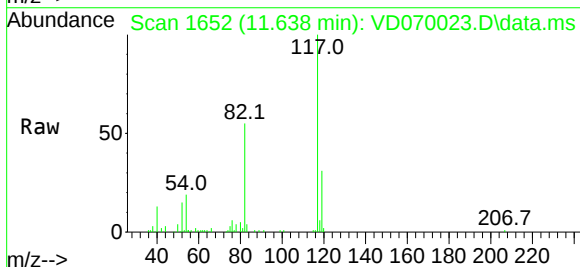
Instrument :
MSVOA_D
ClientSampleId :

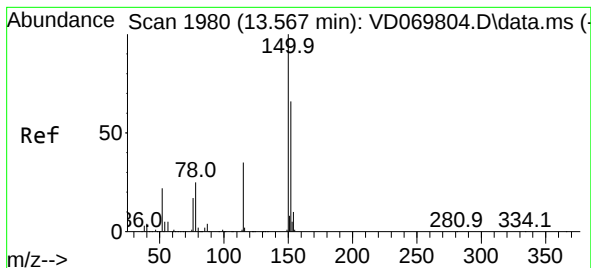
Tgt Ion: 95 Resp: 38354
Ion Ratio Lower Upper
95 100
174 77.1 0.0 142.6
176 72.4 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070023.D
Acq: 11 Aug 2021 15:06

Tgt Ion: 117 Resp: 93919
Ion Ratio Lower Upper
117 100
82 55.0 46.3 69.5
119 30.7 24.7 37.1



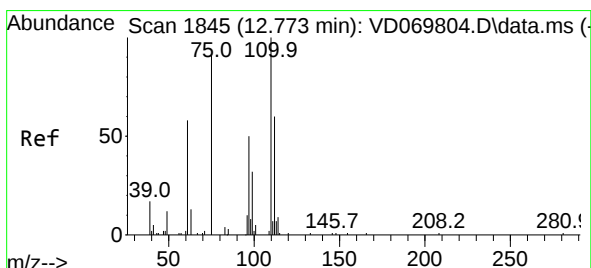
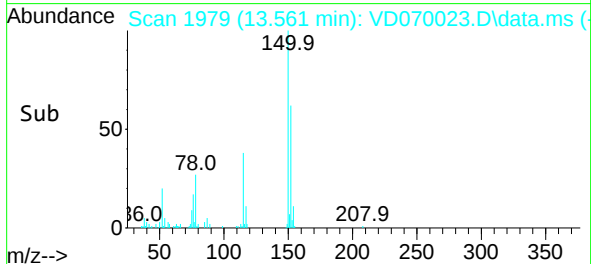
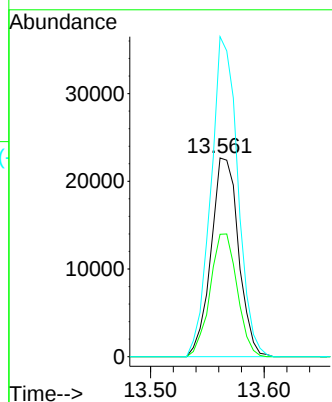
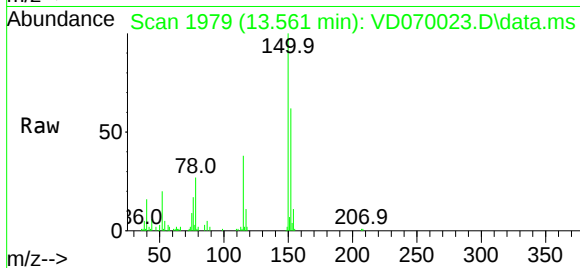


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD070023.D
Acq: 11 Aug 2021 15:06

Instrument :
MSVOA_D
ClientSampleId :

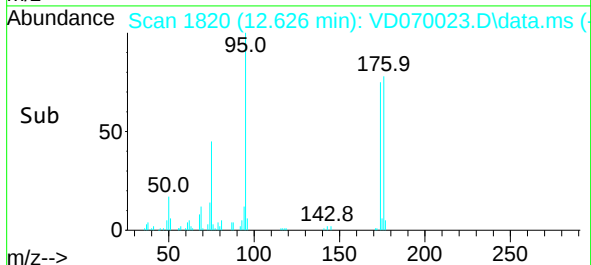
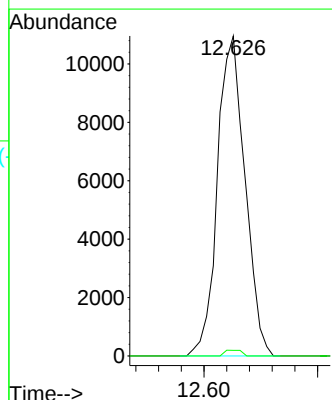
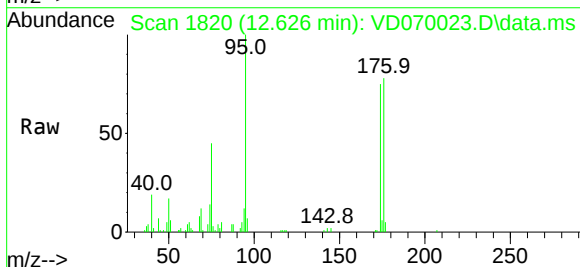
Tgt Ion:152 Resp: 38073
Ion Ratio Lower Upper
152 100
115 60.8 31.1 93.3
150 157.8 0.0 343.0

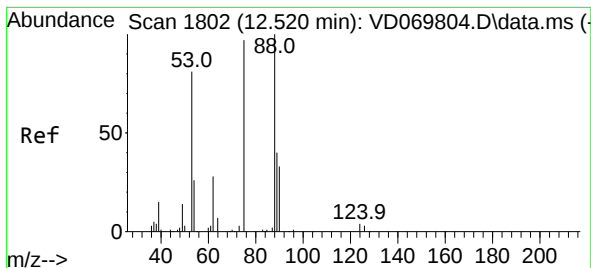


#76

1,2,3-Trichloropropane
Concen: 45.576 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070023.D
Acq: 11 Aug 2021 15:06

Tgt Ion: 75 Resp: 18444
Ion Ratio Lower Upper
75 100
77 1.1 181.5 544.5#

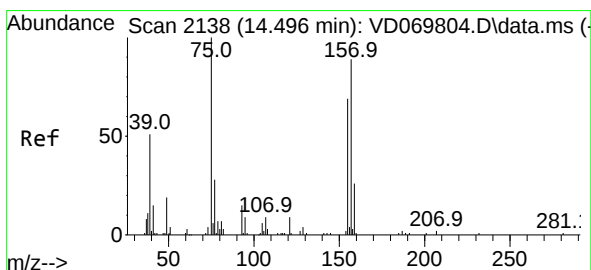
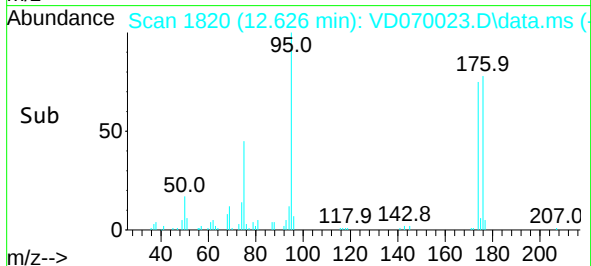
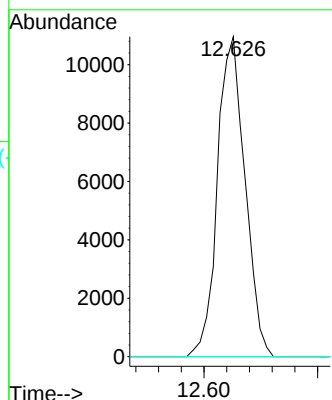
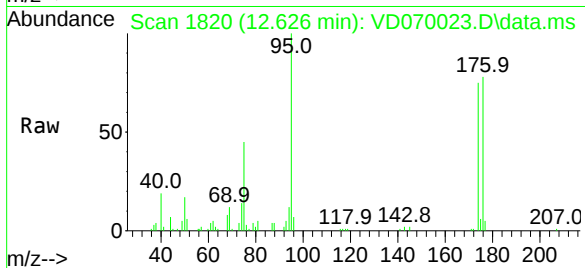




#81
trans-1,4-Dichloro-2-butene
Concen: 138.265 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070023.D
Acq: 11 Aug 2021 15:06

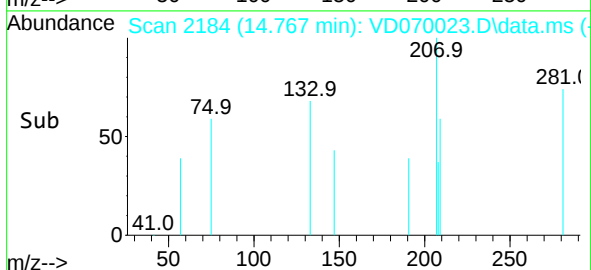
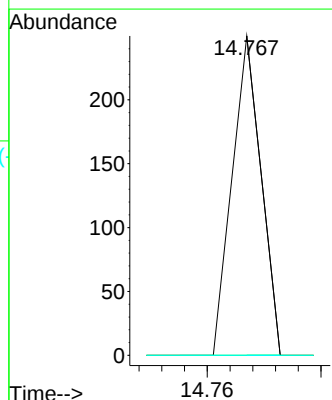
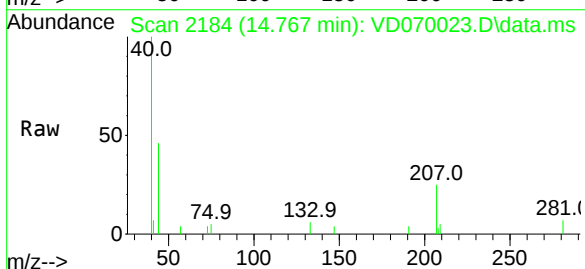
Instrument :
MSVOA_D
ClientSampled :

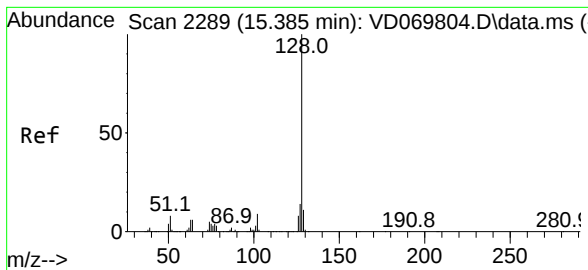
Tgt Ion: 75 Resp: 18444
Ion Ratio Lower Upper
75 100
53 0.0 67.2 100.8#
89 0.0 35.8 53.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.119 ug/l
RT: 14.767 min Scan# 2184
Delta R.T. 0.271 min
Lab File: VD070023.D
Acq: 11 Aug 2021 15:06

Tgt Ion: 75 Resp: 88
Ion Ratio Lower Upper
75 100
155 0.0 36.3 108.9#
157 0.0 47.0 141.0#





#95
Naphthalene
Concen: 5.145 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD070023.D
Acq: 11 Aug 2021 15:06

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 203
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 12.8#

