

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092821\
 Data File : VD070499.D
 Acq On : 28 Sep 2021 13:38
 Operator : VA/SY
 Sample : M3941-03
 Misc : 4.59G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 124042

Quant Time: Sep 28 23:42:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

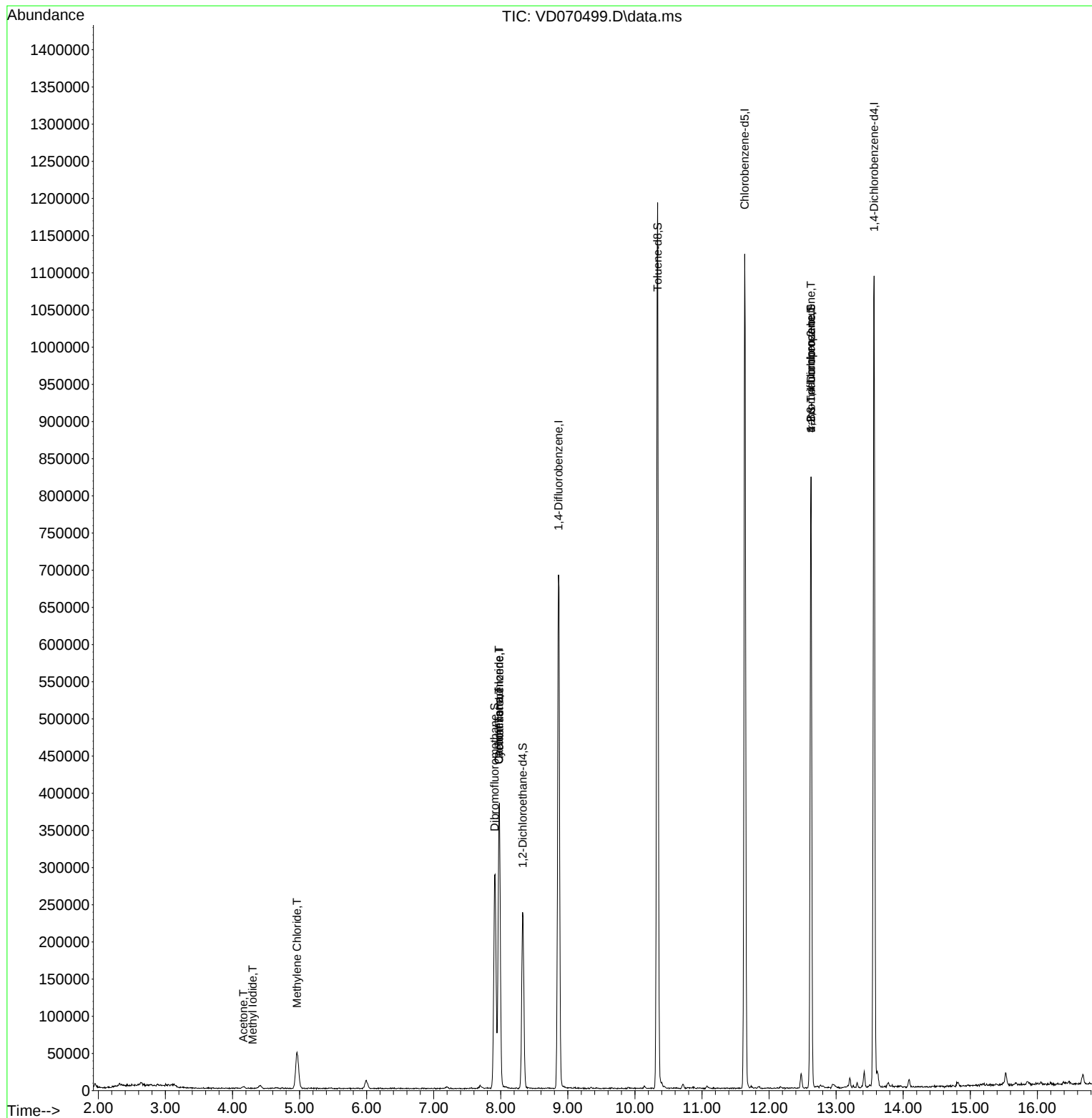
Internal Standards						
1) Pentafluorobenzene	7.979	168	277261	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	614405	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	672130	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	293855	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	187140	52.566	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.140%			
35) Dibromofluoromethane	7.908	113	221135	50.563	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.120%			
50) Toluene-d8	10.338	98	811169	51.085	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.160%			
62) 4-Bromofluorobenzene	12.626	95	291114	52.458	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.920%			
Target Compounds						
2) Dichlorodifluoromethane	1.991	85	518	Below Cal	#	43
3) Chloromethane	2.214	50	717	Below Cal	#	28
5) Bromomethane	2.779	94	1095	Below Cal	#	47
6) Chloroethane	2.932	64	246	Below Cal	#	43
10) Methyl Iodide	4.303	142	117	1.062 ug/l	#	83
16) Acetone	4.161	43	3973	6.251 ug/l		96
18) Methyl Acetate	4.720	43	139	Below Cal	#	48
20) Methylene Chloride	4.961	84	41356	3.717 ug/l		96
31) Cyclohexane	7.973	56	6206	1.012 ug/l	#	1
38) Carbon Tetrachloride	7.973	117	30114	4.637 ug/l	#	15
76) 1,2,3-Trichloropropane	12.626	75	138850	46.713 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.626	75	138850	117.045 ug/l	#	17

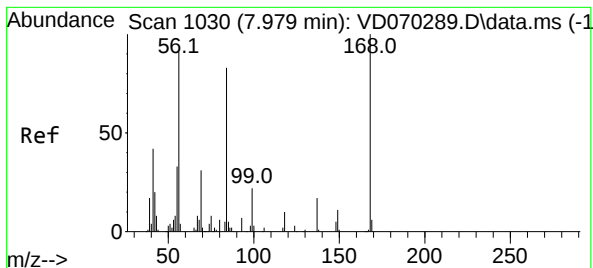
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

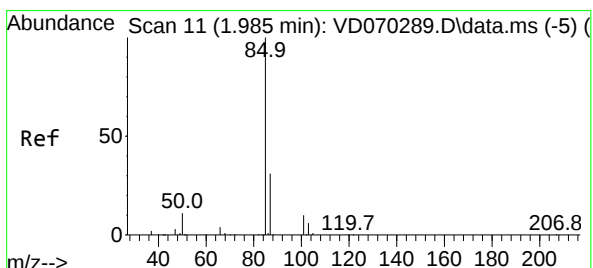
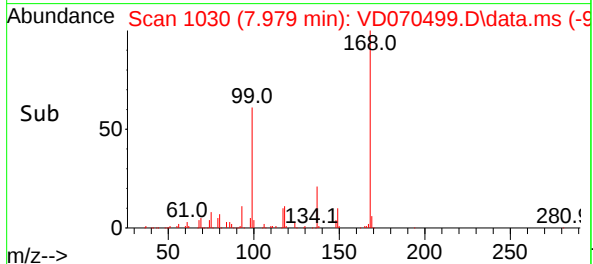
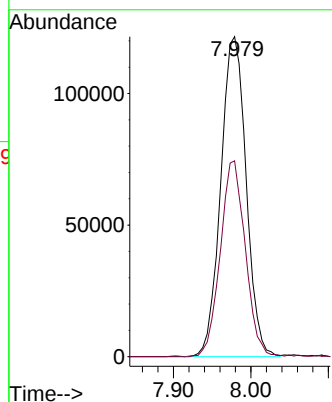
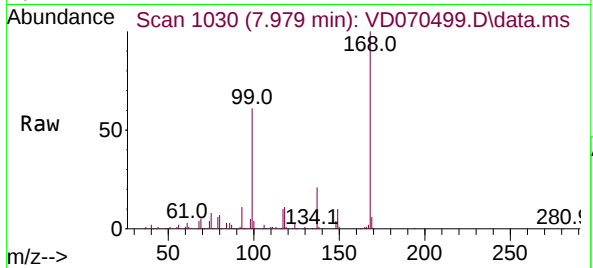




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070499.D
Acq: 28 Sep 2021 13:38

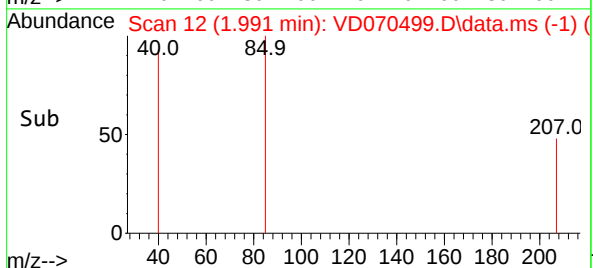
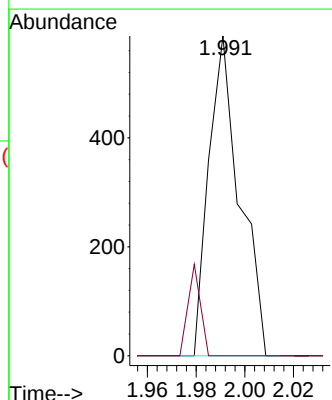
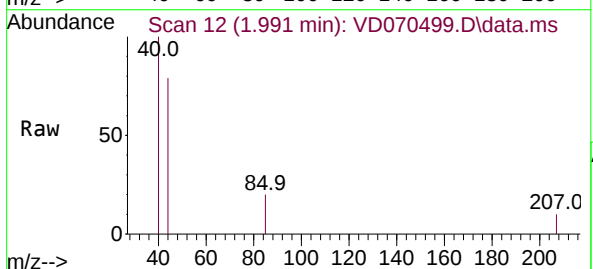
Instrument :
MSVOA_D
ClientSampleId :
124042

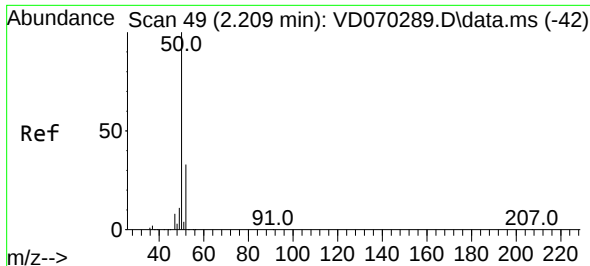
Tgt Ion:168 Resp: 277261
Ion Ratio Lower Upper
168 100
99 61.0 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD070499.D
Acq: 28 Sep 2021 13:38

Tgt Ion: 85 Resp: 518
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

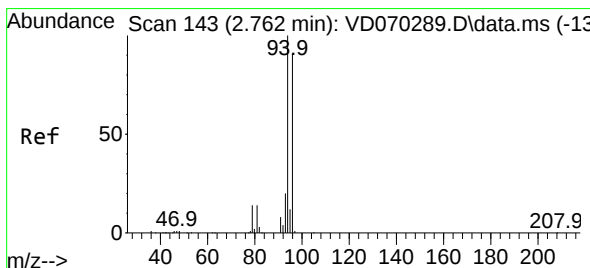
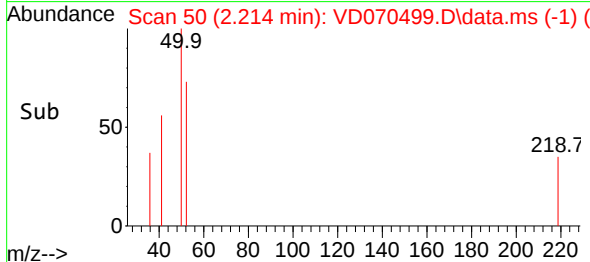
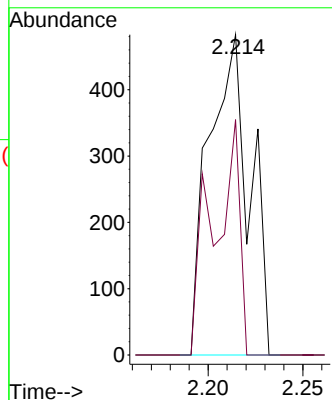
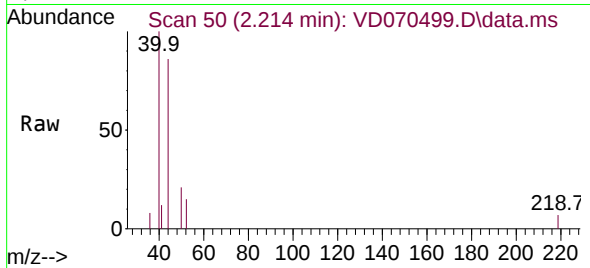




#3
Chloromethane
Concen: Below Cal
RT: 2.214 min Scan# 50
Delta R.T. 0.005 min
Lab File: VD070499.D
Acq: 28 Sep 2021 13:38

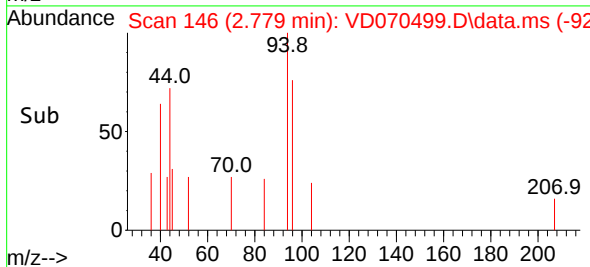
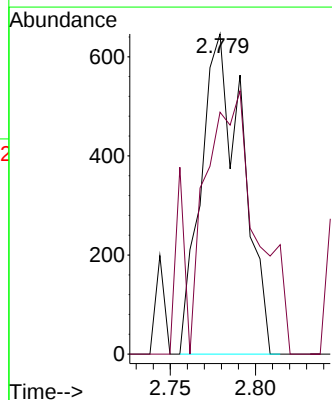
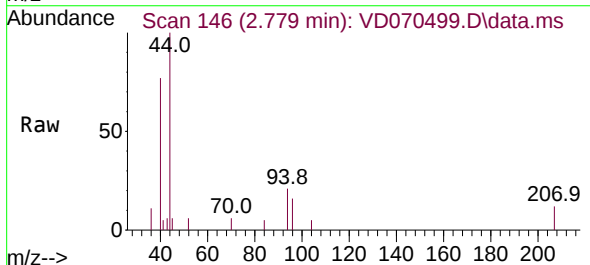
Instrument :
MSVOA_D
ClientSampleId :
124042

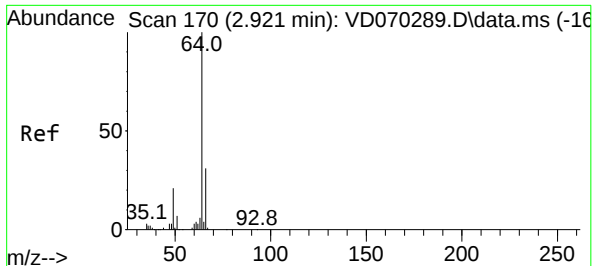
Tgt Ion: 50 Resp: 717
Ion Ratio Lower Upper
50 100
52 73.5 26.2 39.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070499.D
Acq: 28 Sep 2021 13:38

Tgt Ion: 94 Resp: 1095
Ion Ratio Lower Upper
94 100
96 41.3 73.0 109.6#

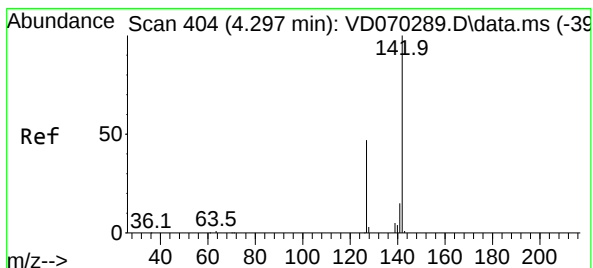
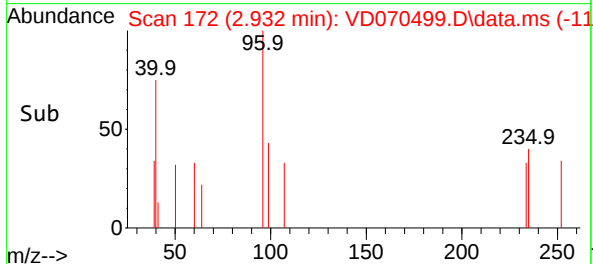
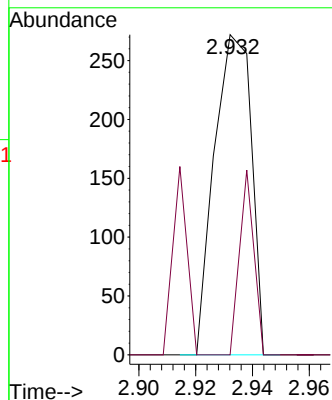
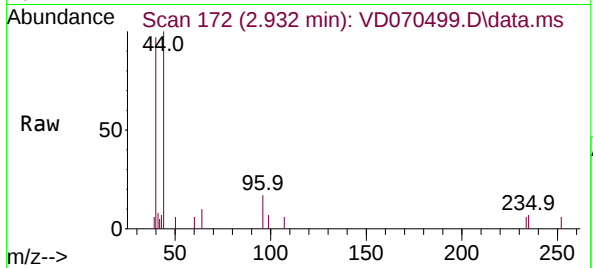




#6
Chloroethane
Concen: Below Cal
RT: 2.932 min Scan# 172
Delta R.T. 0.011 min
Lab File: VD070499.D
Acq: 28 Sep 2021 13:38

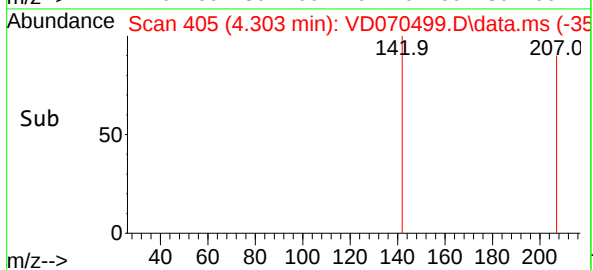
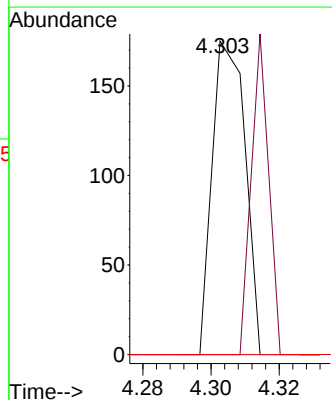
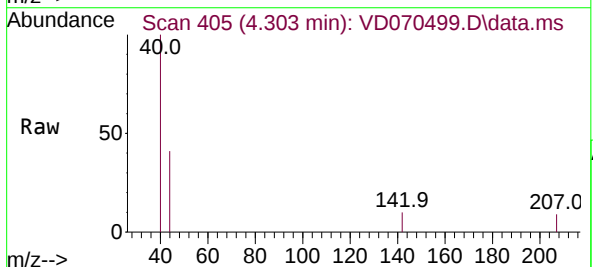
Instrument :
MSVOA_D
ClientSampled :
124042

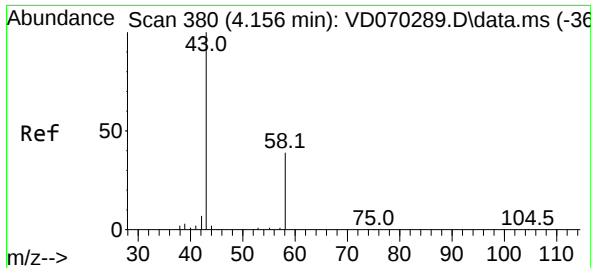
Tgt Ion: 64 Resp: 246
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#10
Methyl Iodide
Concen: 1.062 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD070499.D
Acq: 28 Sep 2021 13:38

Tgt Ion:142 Resp: 117
Ion Ratio Lower Upper
142 100
127 53.8 36.9 55.3
141 0.0 11.8 17.6#

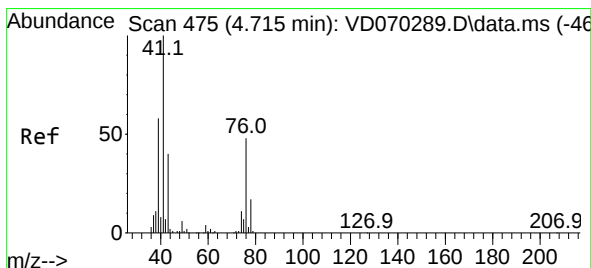
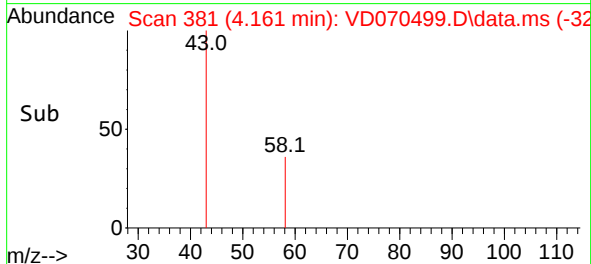
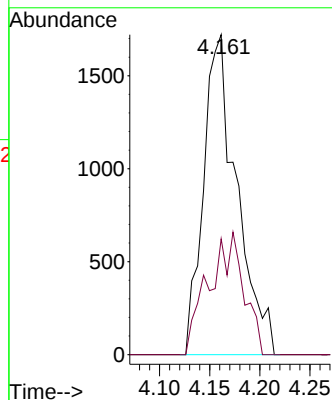
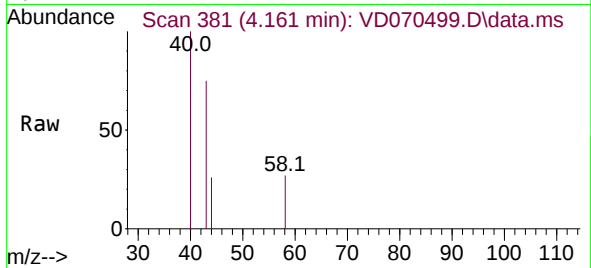




#16
Acetone
Concen: 6.251 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070499.D
Acq: 28 Sep 2021 13:38

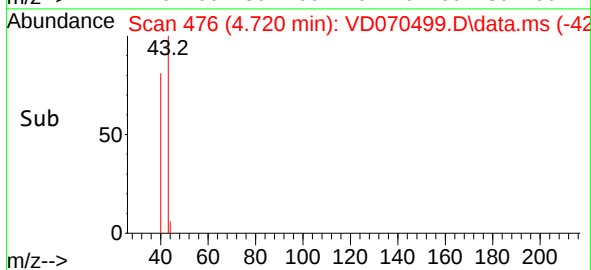
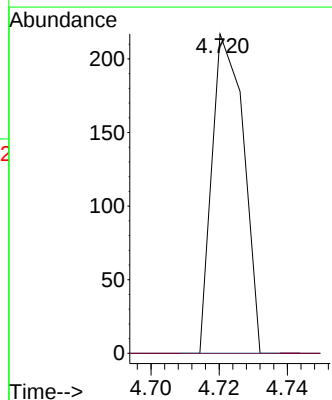
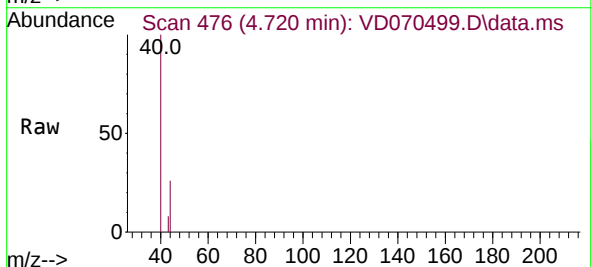
Instrument :
MSVOA_D
ClientSampleId :
124042

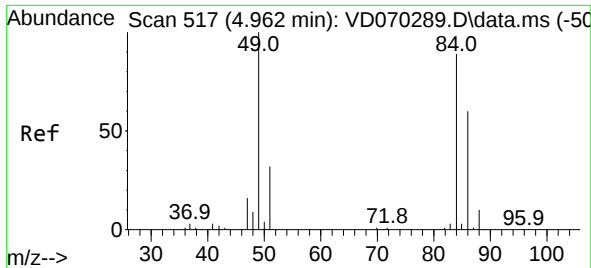
Tgt Ion: 43 Resp: 3973
Ion Ratio Lower Upper
43 100
58 36.2 30.9 46.3



#18
Methyl Acetate
Concen: Below Cal
RT: 4.720 min Scan# 476
Delta R.T. 0.005 min
Lab File: VD070499.D
Acq: 28 Sep 2021 13:38

Tgt Ion: 43 Resp: 139
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#

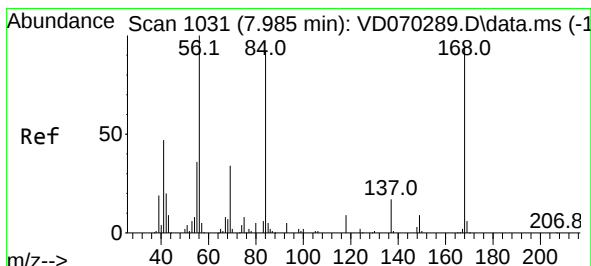
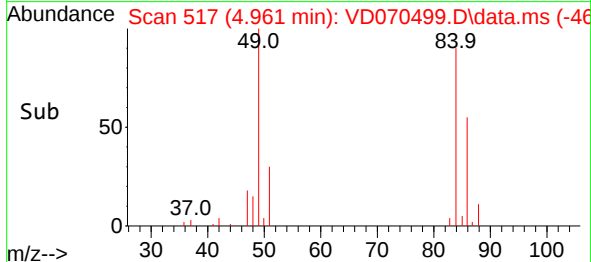
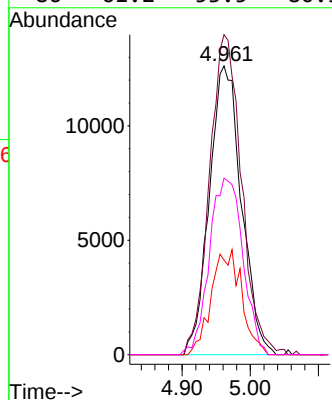
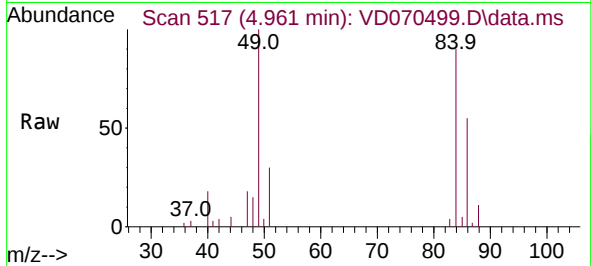




#20
Methylene Chloride
Concen: 3.717 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD070499.D
Acq: 28 Sep 2021 13:38

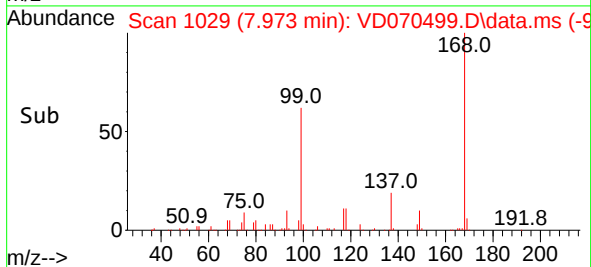
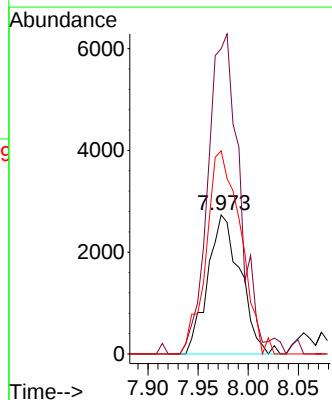
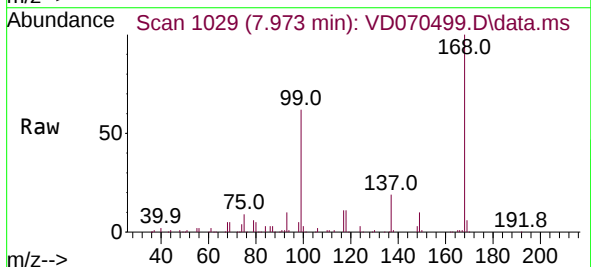
Instrument :
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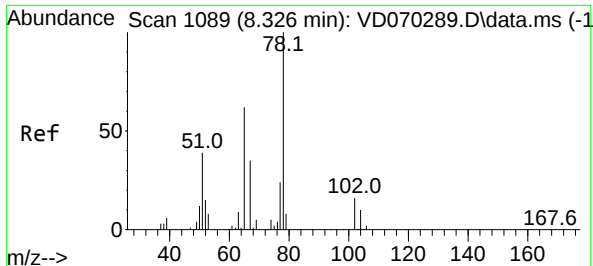
Tgt Ion:	84	Resp:	41356
Ion	Ratio	Lower	Upper
84	100		
49	110.9	89.6	134.4
51	32.8	28.6	43.0
86	61.2	53.5	80.3



#31
Cyclohexane
Concen: 1.012 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070499.D
Acq: 28 Sep 2021 13:38

Tgt Ion:	56	Resp:	6206
Ion	Ratio	Lower	Upper
56	100		
69	219.7	26.9	40.3#
84	146.2	73.6	110.4#

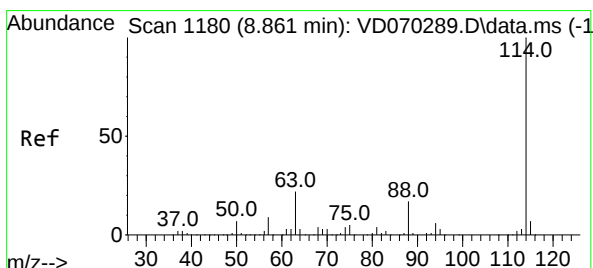
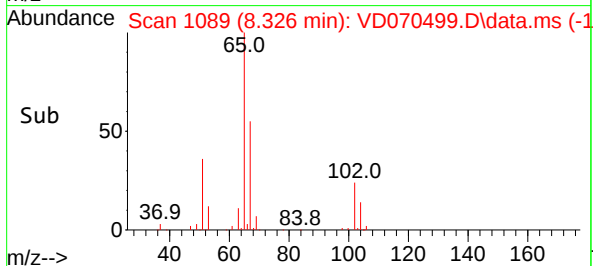
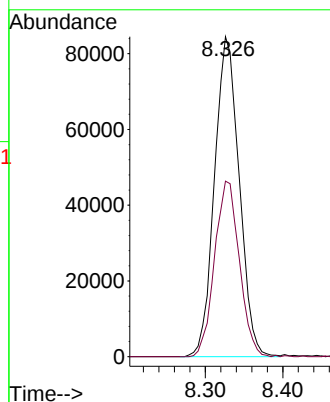
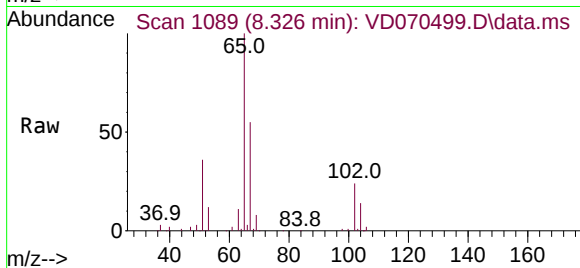




#33
1,2-Dichloroethane-d4
Concen: 52.566 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070499.D
Acq: 28 Sep 2021 13:38

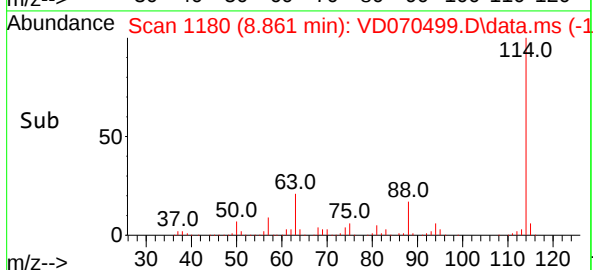
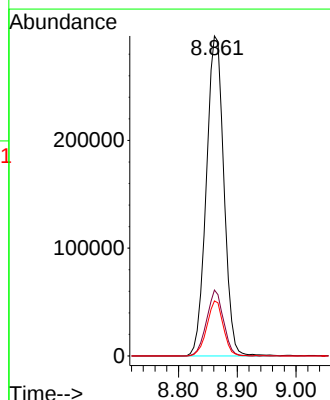
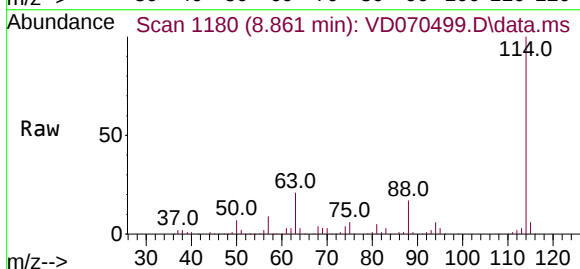
Instrument :
MSVOA_D
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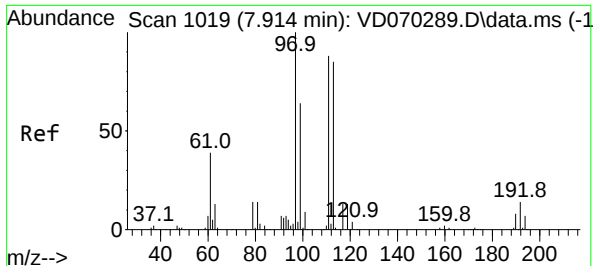
Tgt Ion: 65 Resp: 187140
Ion Ratio Lower Upper
65 100
67 54.9 0.0 111.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070499.D
Acq: 28 Sep 2021 13:38

Tgt Ion:114 Resp: 614405
Ion Ratio Lower Upper
114 100
63 20.6 0.0 43.4
88 17.2 0.0 33.4



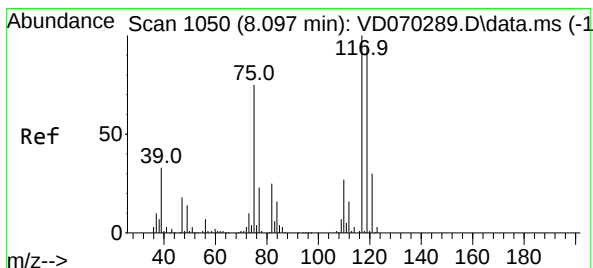
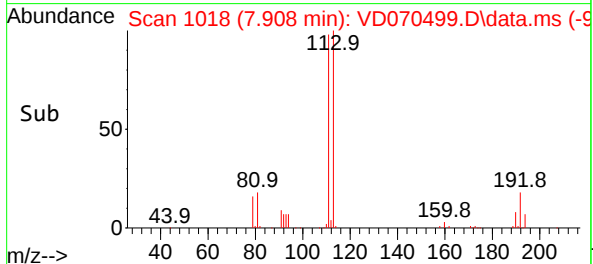
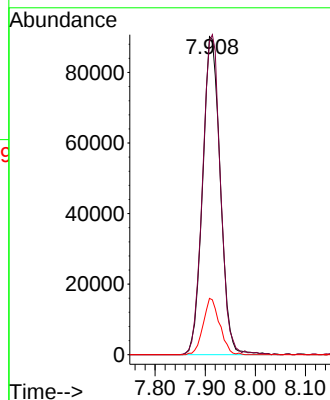
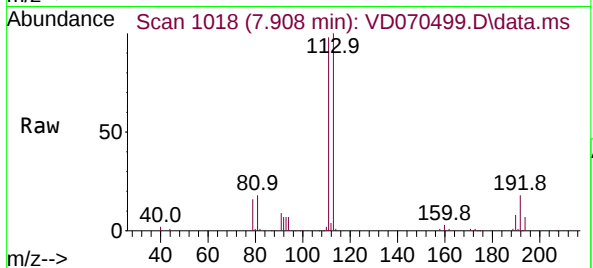


#35

Dibromofluoromethane
Concen: 50.563 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD070499.D
Acq: 28 Sep 2021 13:38

Instrument :
MSVOA_D
ClientSampleId :
124042

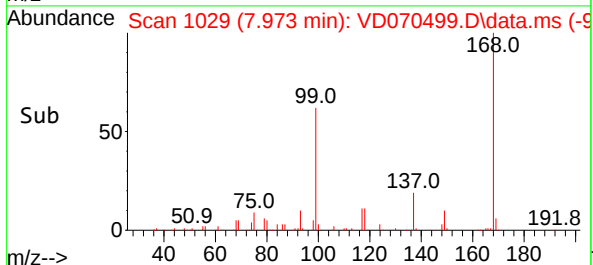
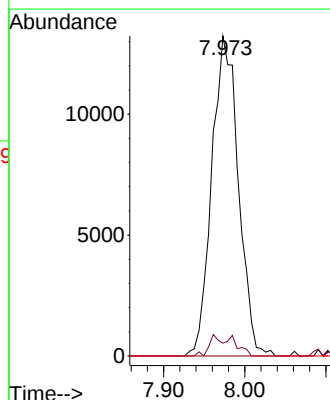
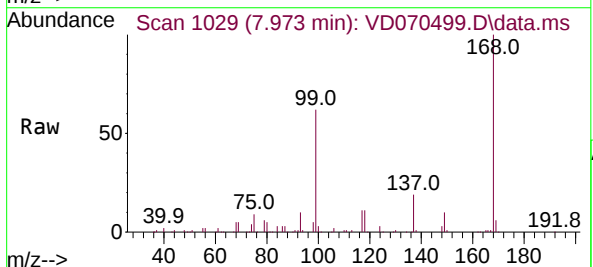
Tgt Ion:113 Resp: 221135
Ion Ratio Lower Upper
113 100
111 101.6 81.4 122.2
192 16.5 13.0 19.6

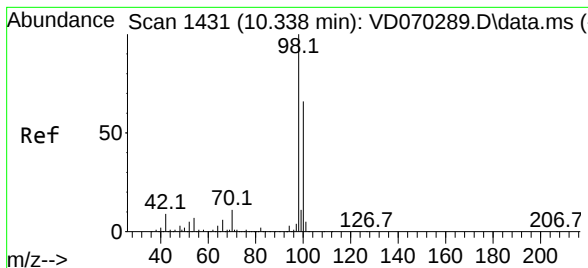


#38

Carbon Tetrachloride
Concen: 4.637 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070499.D
Acq: 28 Sep 2021 13:38

Tgt Ion:117 Resp: 30114
Ion Ratio Lower Upper
117 100
119 4.0 76.1 114.1#
121 0.0 23.8 35.6#

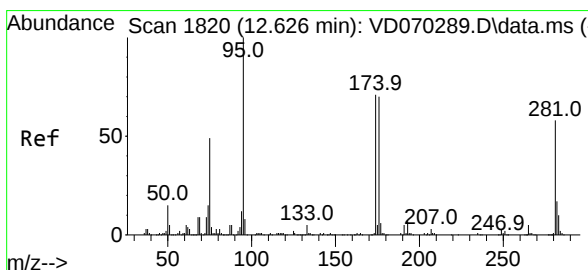
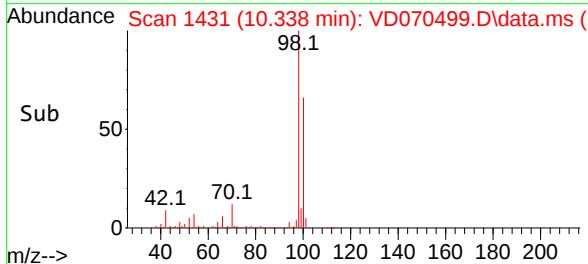
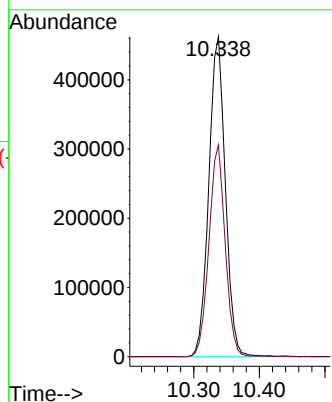
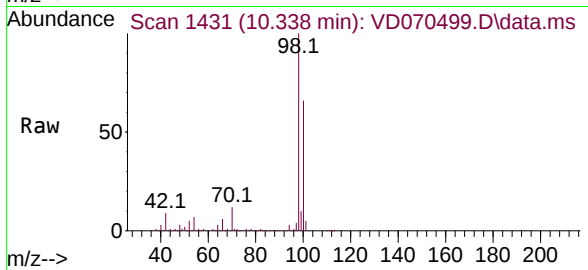




#50
Toluene-d8
Concen: 51.085 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070499.D
Acq: 28 Sep 2021 13:38

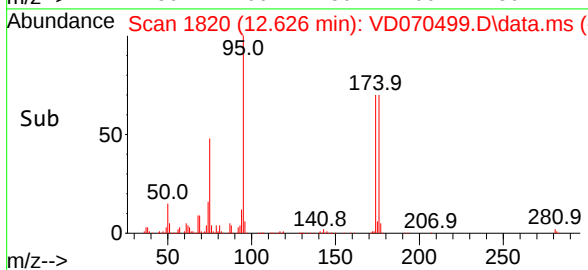
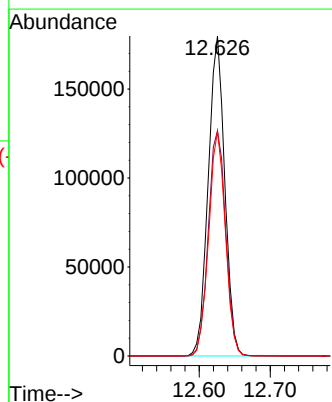
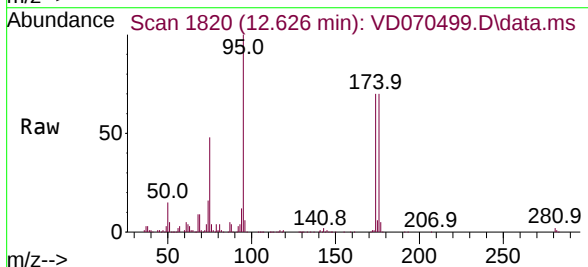
Instrument :
MSVOA_D
ClientSampleId :
124042

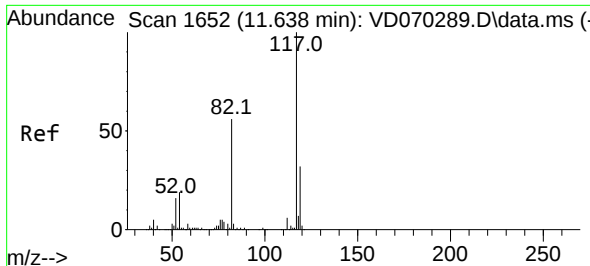
Tgt Ion: 98 Resp: 811169
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 52.458 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070499.D
Acq: 28 Sep 2021 13:38

Tgt Ion: 95 Resp: 291114
Ion Ratio Lower Upper
95 100
174 73.9 0.0 140.6
176 70.4 0.0 137.4

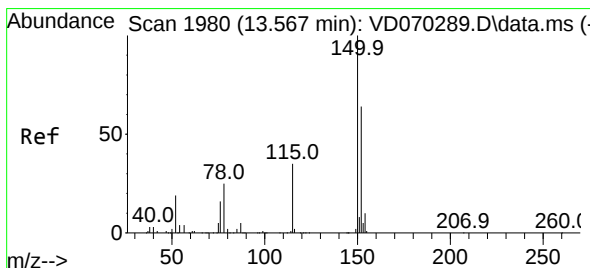
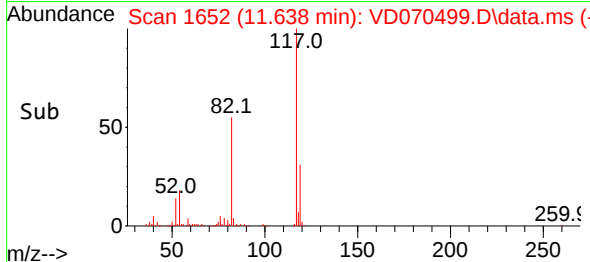
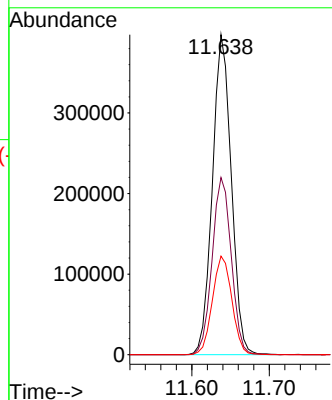
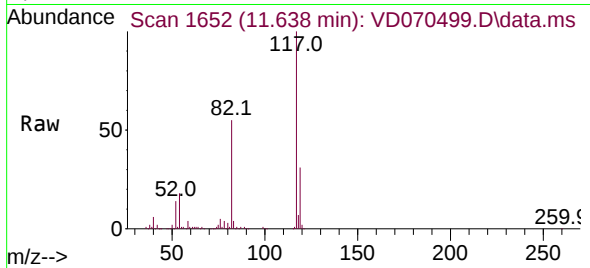




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070499.D
Acq: 28 Sep 2021 13:38

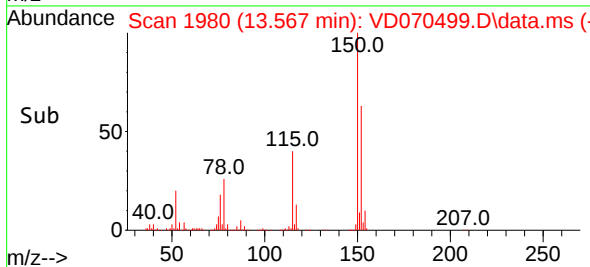
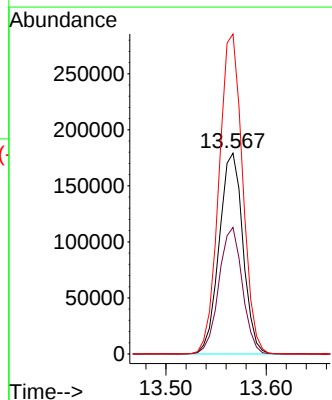
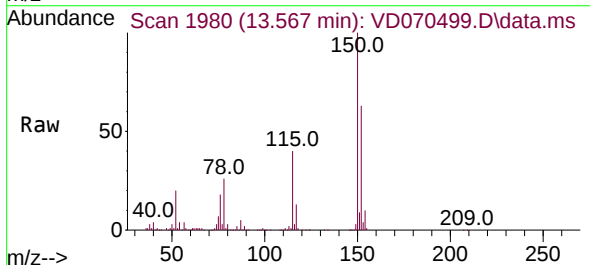
Instrument :
MSVOA_D
ClientSampled :
124042

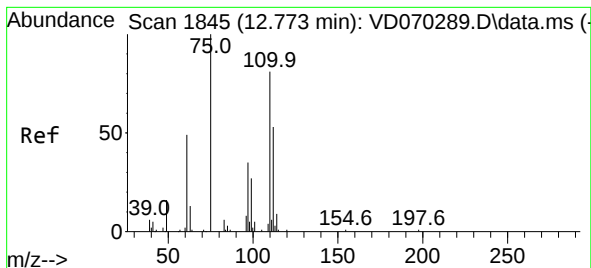
Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.4	45.0	67.4
119	30.8	25.2	37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070499.D
Acq: 28 Sep 2021 13:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.2	32.1	96.3
150	158.5	0.0	350.6

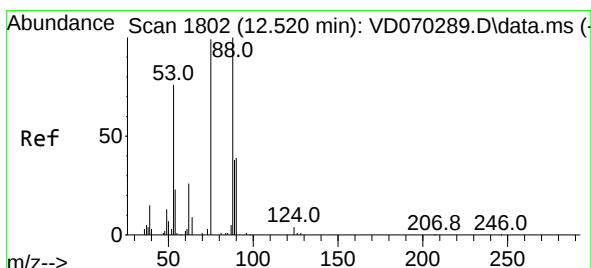
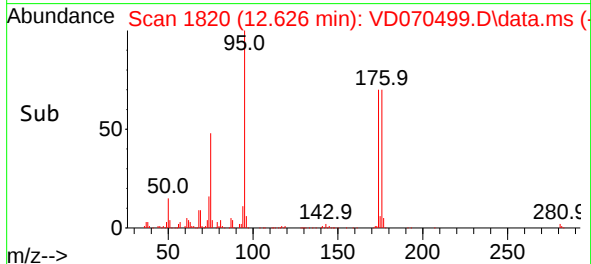
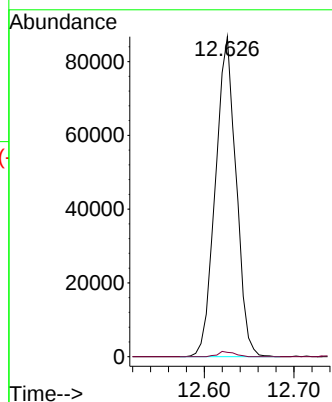
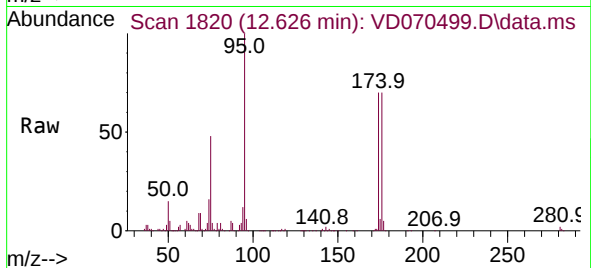




#76
1,2,3-Trichloropropane
Concen: 46.713 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070499.D
Acq: 28 Sep 2021 13:38

Instrument :
MSVOA_D
ClientSampleId :
124042

Tgt Ion: 75 Resp: 138850
Ion Ratio Lower Upper
75 100
77 1.3 174.9 524.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 117.045 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070499.D
Acq: 28 Sep 2021 13:38

Tgt Ion: 75 Resp: 138850
Ion Ratio Lower Upper
75 100
53 0.2 64.2 96.2#
89 0.1 35.6 53.4#

