

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102821\
 Data File : VD070895.D
 Acq On : 28 Oct 2021 16:51
 Operator : VA/SY
 Sample : M4395-01
 Misc : 2.71G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 29 06:35:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 27 05:34:47 2021
 Response via : Initial Calibration

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

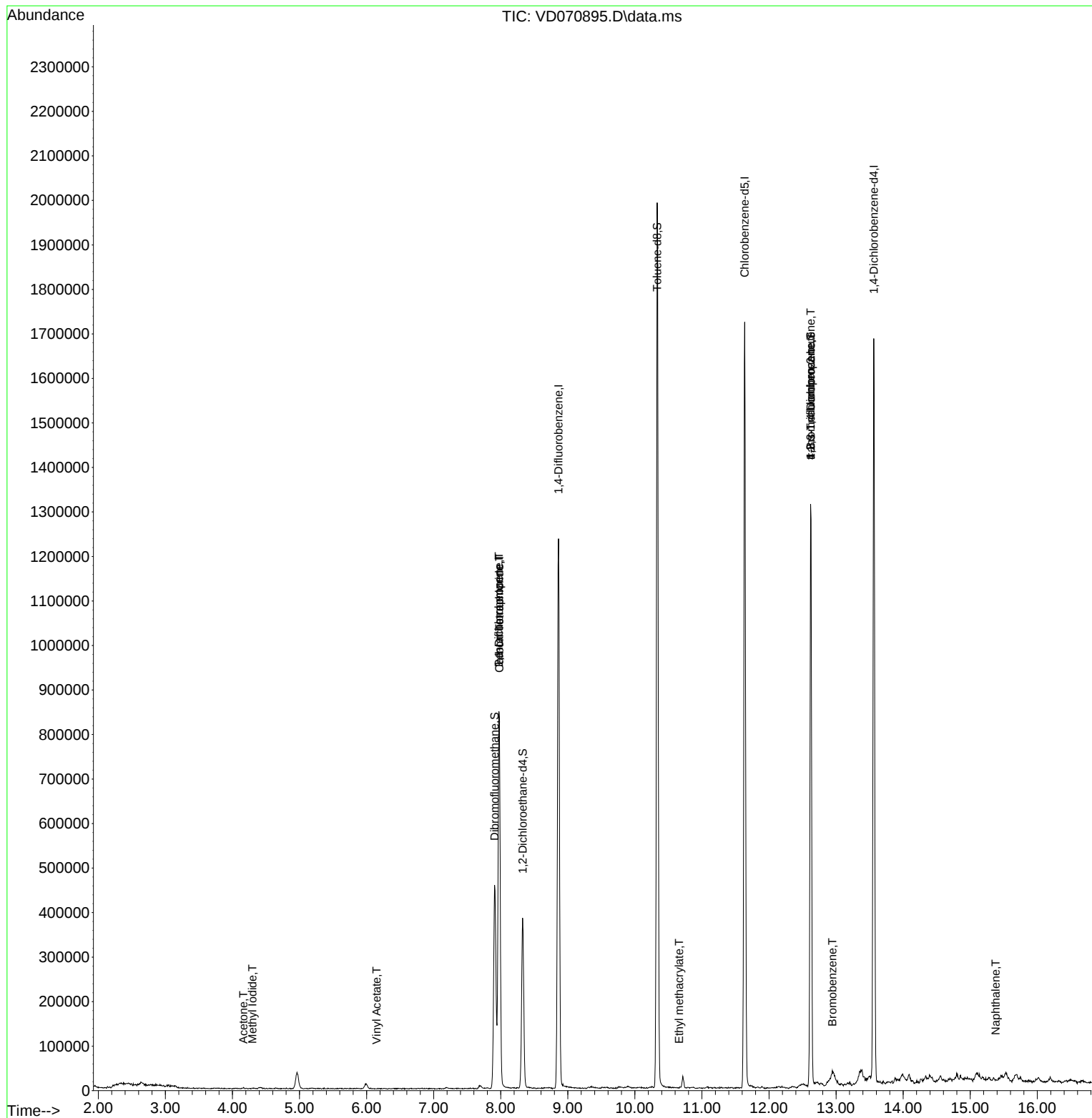
Internal Standards						
1) Pentafluorobenzene	7.973	168	664493	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1115269	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1062484	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	505614	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	291199	43.572	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.140%		
35) Dibromofluoromethane	7.909	113	348416	47.381	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.760%		
50) Toluene-d8	10.332	98	1389864	50.239	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.480%		
62) 4-Bromofluorobenzene	12.620	95	457557	50.127	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	100.260%		
Target Compounds						
5) Bromomethane	2.791	94	1848	Below Cal	Qvalue 97	
10) Methyl Iodide	4.297	142	710	3.692 ug/l #	53	
16) Acetone	4.162	43	2497	1.606 ug/l #	40	
20) Methylene Chloride	4.962	84	30809	Below Cal #	86	
23) Vinyl Acetate	6.150	43	59	14.420 ug/l #	72	
36) 1,1-Dichloropropene	7.973	75	49229	4.219 ug/l #	49	
38) Carbon Tetrachloride	7.979	117	63203	5.386 ug/l #	18	
56) Ethyl methacrylate	10.661	69	469	2.899 ug/l #	56	
76) 1,2,3-Trichloropropane	12.620	75	201367	40.457 ug/l #	1	
77) Bromobenzene	12.944	156	21658	2.636 ug/l #	1	
81) trans-1,4-Dichloro-2-b...	12.620	75	201367	106.185 ug/l #	18	
95) Naphthalene	15.379	128	1182	4.192 ug/l #	89	

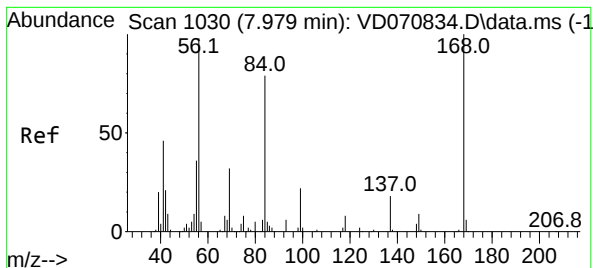
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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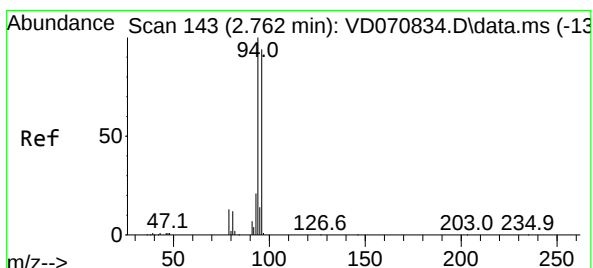
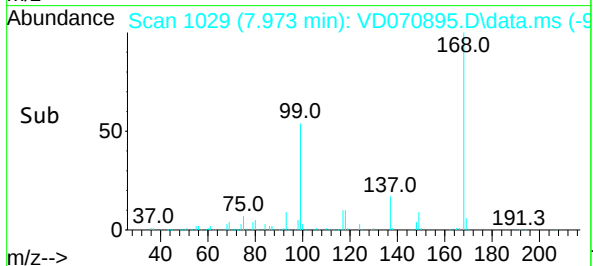
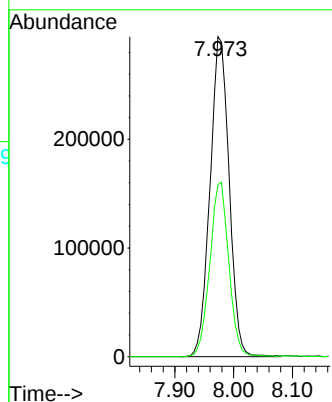
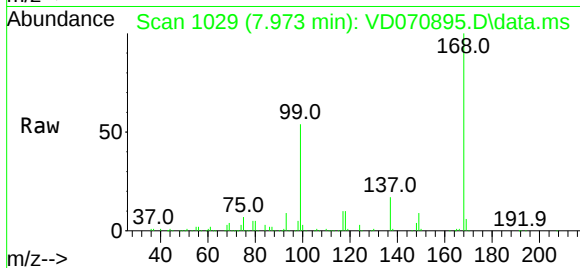




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070895.D
Acq: 28 Oct 2021 16:51

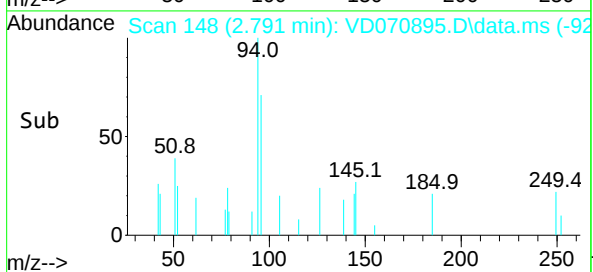
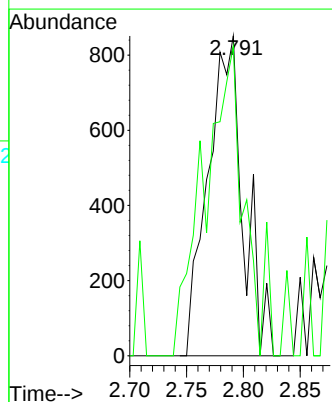
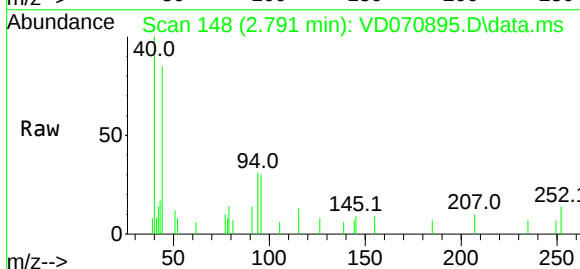
Instrument :
MSVOA_D
ClientSampleId :

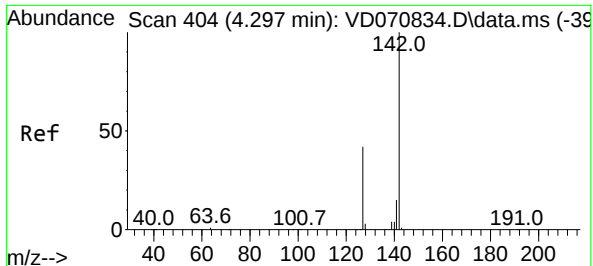
Tgt Ion:168 Resp: 664493
Ion Ratio Lower Upper
168 100
99 53.8 46.6 69.8



#5
Bromomethane
Concen: Below Cal
RT: 2.791 min Scan# 148
Delta R.T. 0.029 min
Lab File: VD070895.D
Acq: 28 Oct 2021 16:51

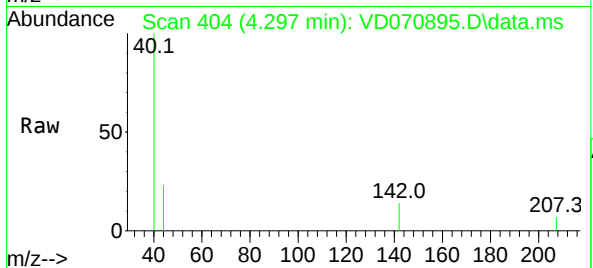
Tgt Ion: 94 Resp: 1848
Ion Ratio Lower Upper
94 100
96 96.8 74.8 112.2



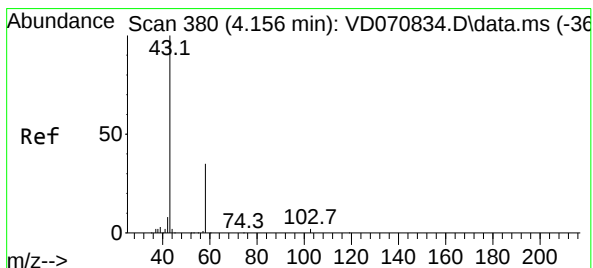
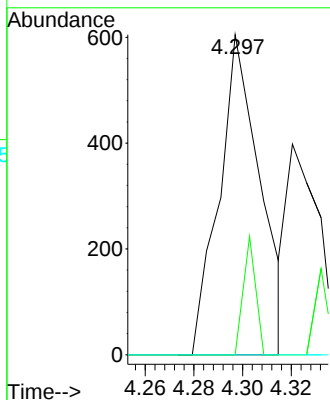
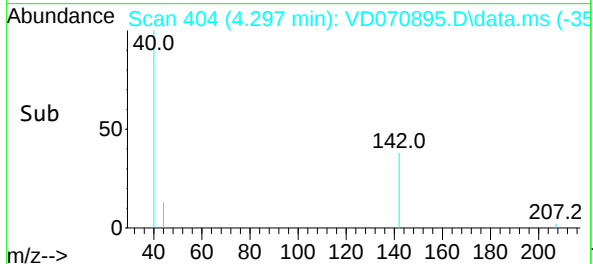


#10
Methyl Iodide
Concen: 3.692 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD070895.D
Acq: 28 Oct 2021 16:51

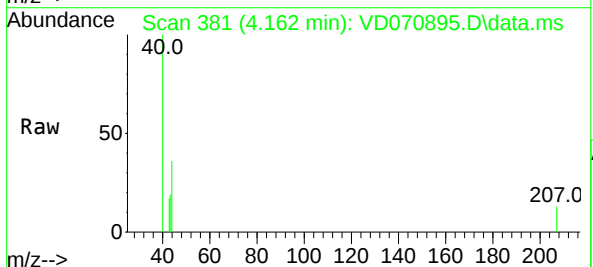
Instrument :
MSVOA_D
ClientSampleId :



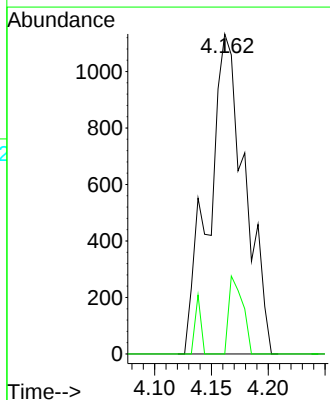
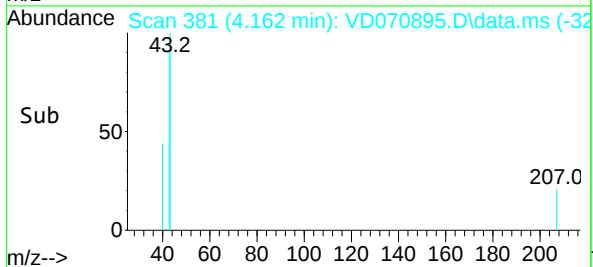
Tgt Ion:142 Resp: 710
Ion Ratio Lower Upper
142 100
127 11.1 35.0 52.4#
141 0.0 12.0 18.0#

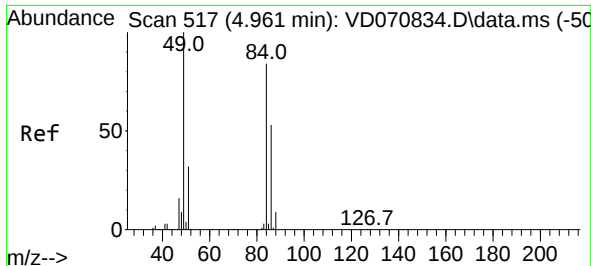


#16
Acetone
Concen: 1.606 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070895.D
Acq: 28 Oct 2021 16:51



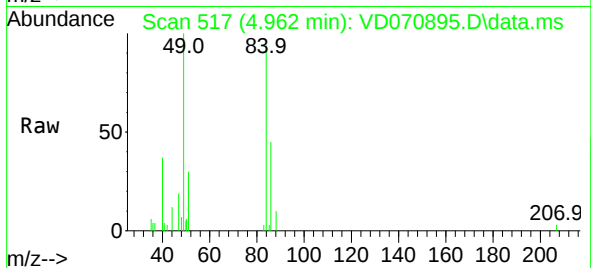
Tgt Ion: 43 Resp: 2497
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



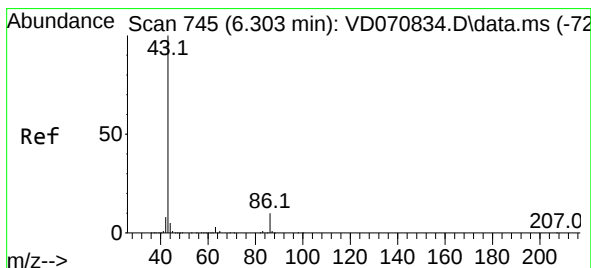
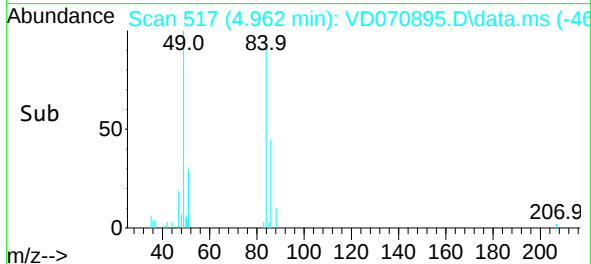
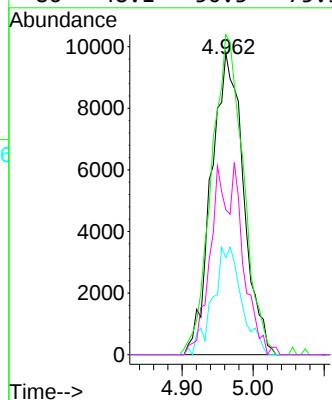


#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. 0.001 min
Lab File: VD070895.D
Acq: 28 Oct 2021 16:51

Instrument :
MSVOA_D
ClientSampleId :

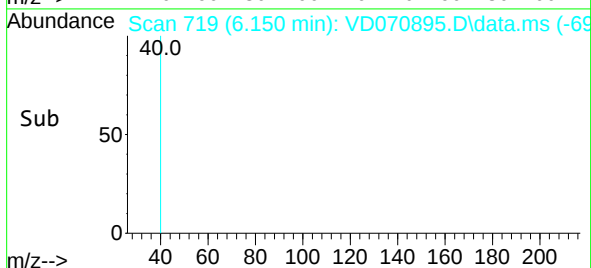
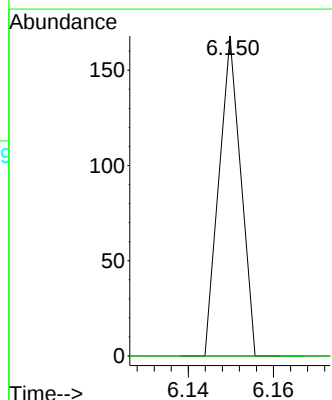
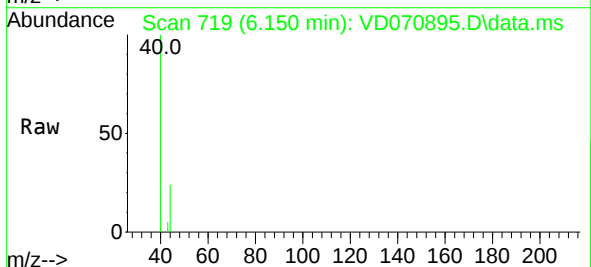


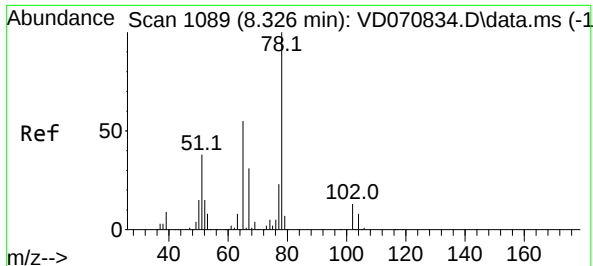
Tgt Ion:	84	Resp:	30809
Ion	Ratio	Lower	Upper
84	100		
49	106.1	95.8	143.6
51	32.3	30.9	46.3
86	48.1	50.3	75.5#



#23
Vinyl Acetate
Concen: 14.420 ug/l
RT: 6.150 min Scan# 719
Delta R.T. -0.153 min
Lab File: VD070895.D
Acq: 28 Oct 2021 16:51

Tgt Ion:	43	Resp:	59
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4#

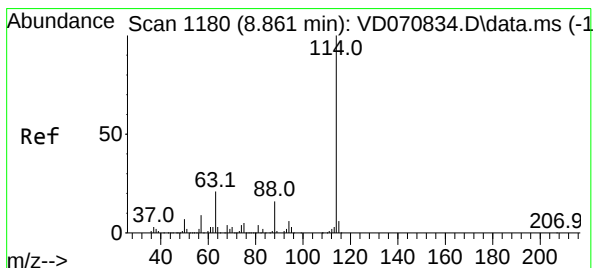
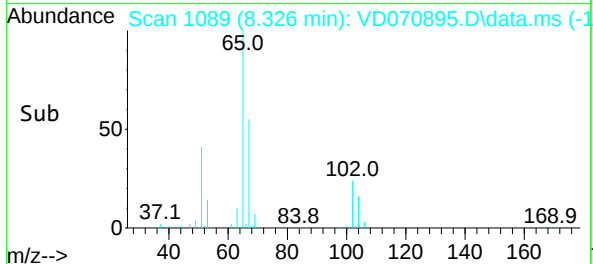
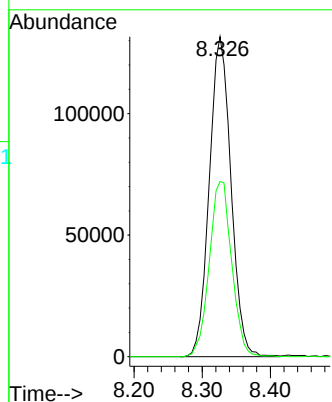
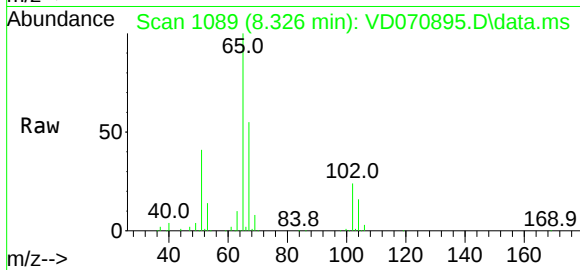




#33
1,2-Dichloroethane-d4
Concen: 43.572 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070895.D
Acq: 28 Oct 2021 16:51

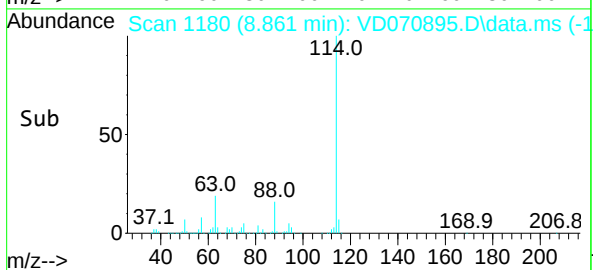
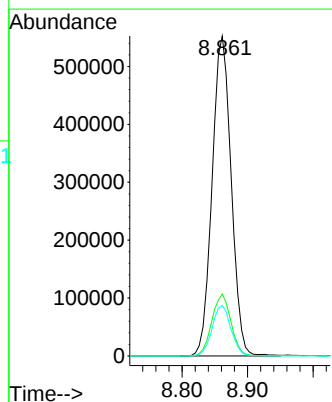
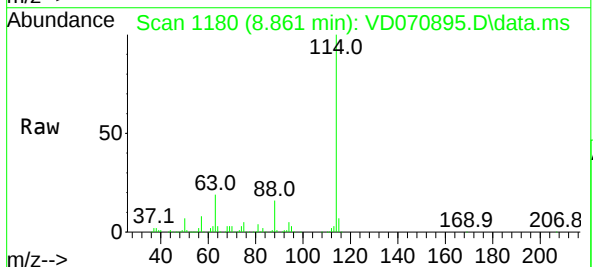
Instrument :
MSVOA_D
ClientSampled :

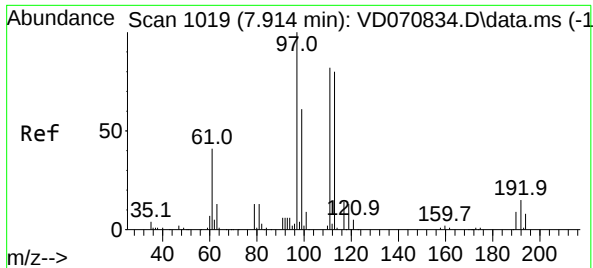
Tgt Ion: 65 Resp: 291199
Ion Ratio Lower Upper
65 100
67 56.7 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070895.D
Acq: 28 Oct 2021 16:51

Tgt Ion:114 Resp: 1115269
Ion Ratio Lower Upper
114 100
63 19.4 0.0 41.8
88 15.8 0.0 32.8

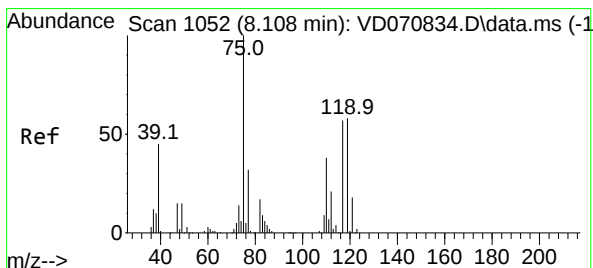
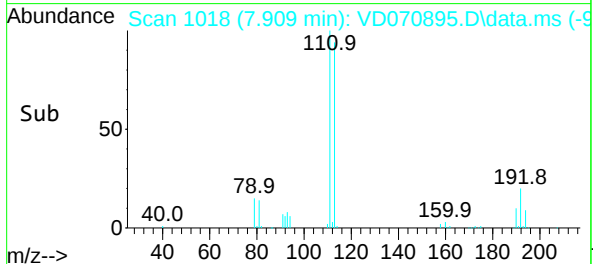
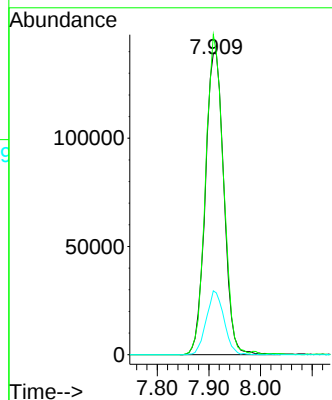
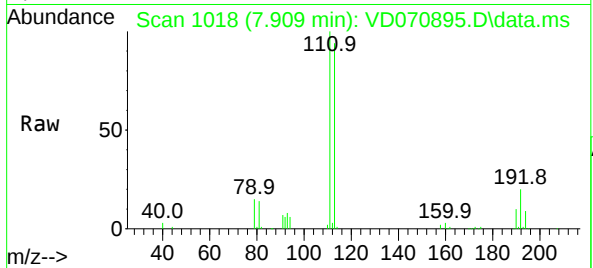




#35
Dibromofluoromethane
Concen: 47.381 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD070895.D
Acq: 28 Oct 2021 16:51

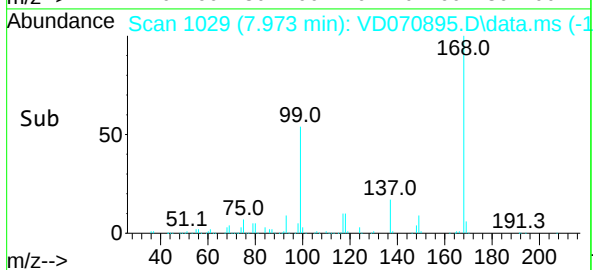
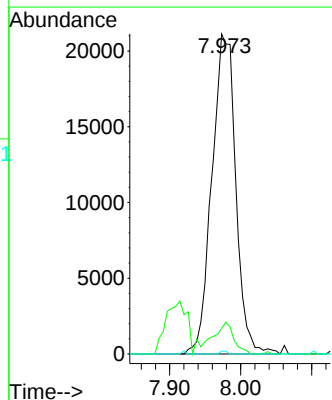
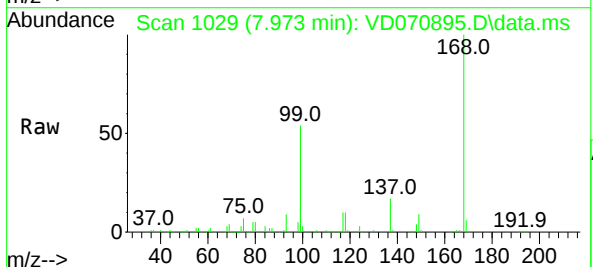
Instrument :
MSVOA_D
ClientSampleId :

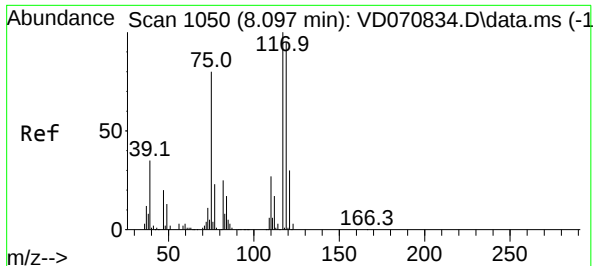
Tgt Ion:113 Resp: 348416
Ion Ratio Lower Upper
113 100
111 101.2 82.0 123.0
192 20.1 15.2 22.8



#36
1,1-Dichloropropene
Concen: 4.219 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070895.D
Acq: 28 Oct 2021 16:51

Tgt Ion: 75 Resp: 49229
Ion Ratio Lower Upper
75 100
110 8.4 17.8 53.4#
77 0.3 24.8 37.2#

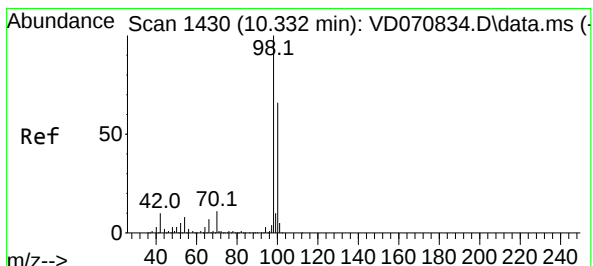
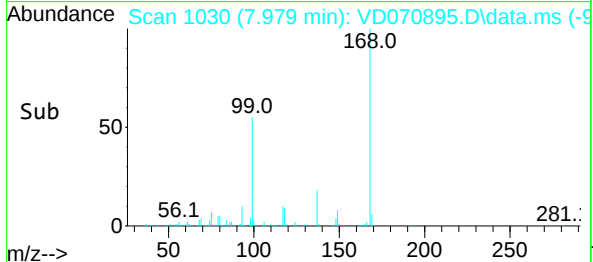
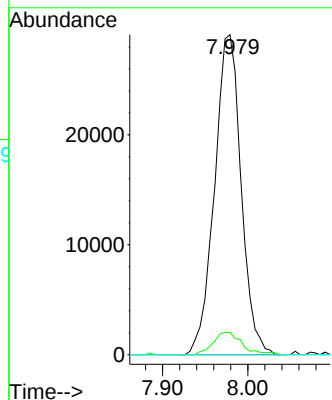
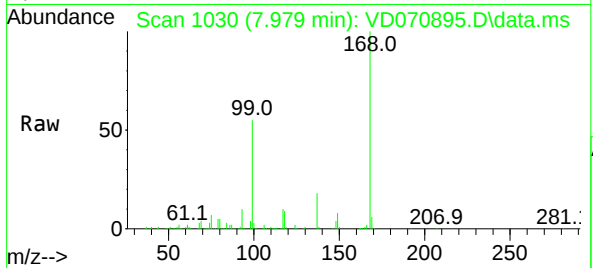




#38
Carbon Tetrachloride
Concen: 5.386 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.117 min
Lab File: VD070895.D
Acq: 28 Oct 2021 16:51

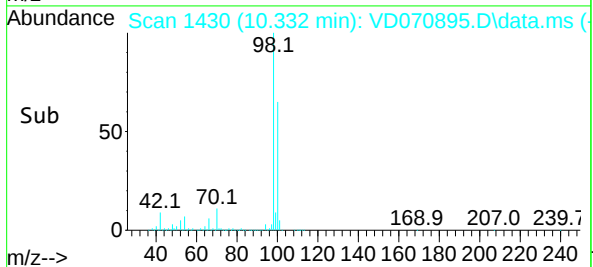
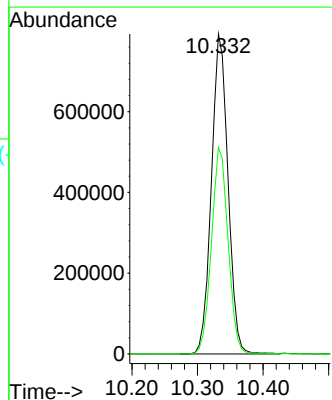
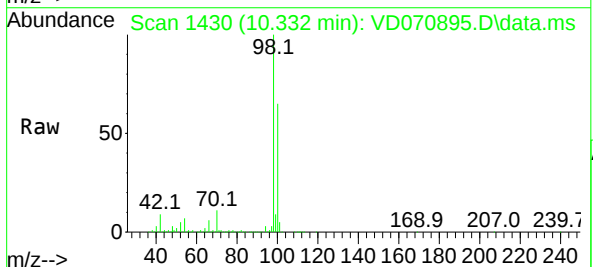
Instrument :
MSVOA_D
ClientSampleId :

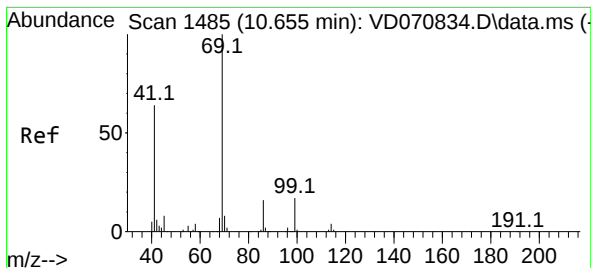
Tgt Ion:117 Resp: 63203
Ion Ratio Lower Upper
117 100
119 7.0 75.8 113.6#
121 0.0 23.6 35.4#



#50
Toluene-d8
Concen: 50.239 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070895.D
Acq: 28 Oct 2021 16:51

Tgt Ion: 98 Resp: 1389864
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.6

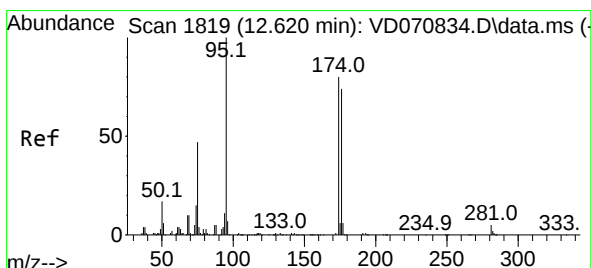
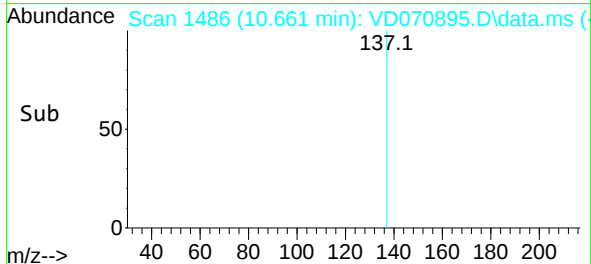
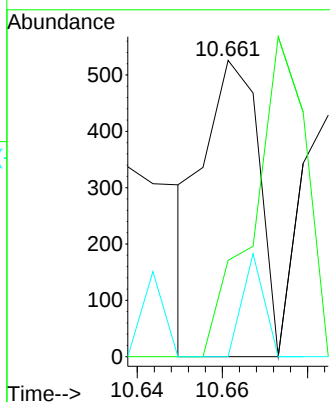
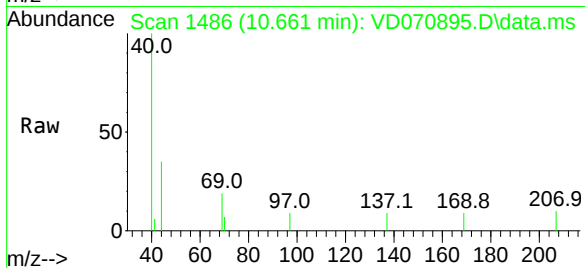




#56
Ethyl methacrylate
Concen: 2.899 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD070895.D
Acq: 28 Oct 2021 16:51

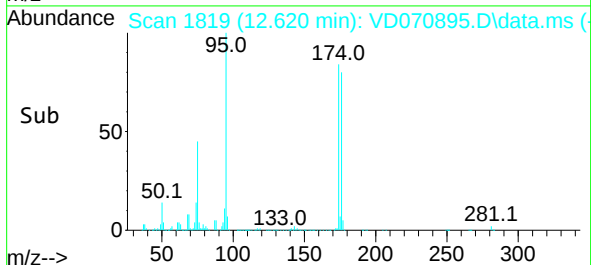
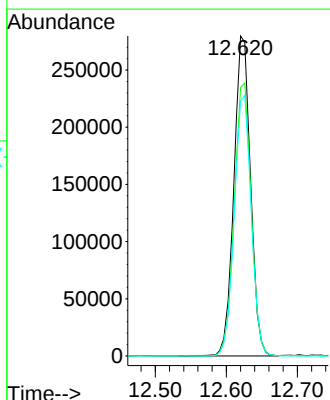
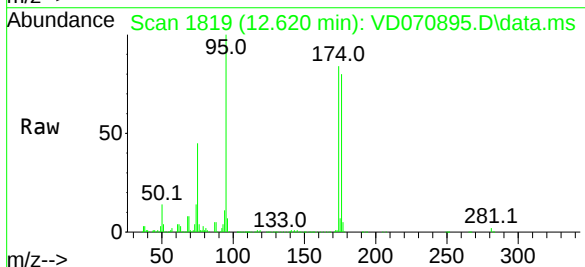
Instrument :
MSVOA_D
ClientSampled :

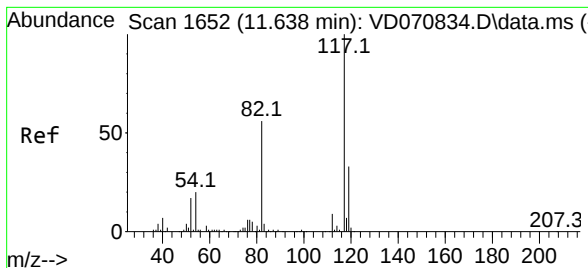
Tgt Ion: 69 Resp: 469
Ion Ratio Lower Upper
69 100
41 103.0 50.2 75.2#
39 13.9 19.8 29.8#



#62
4-Bromofluorobenzene
Concen: 50.127 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD070895.D
Acq: 28 Oct 2021 16:51

Tgt Ion: 95 Resp: 457557
Ion Ratio Lower Upper
95 100
174 87.0 0.0 159.4
176 82.6 0.0 154.0

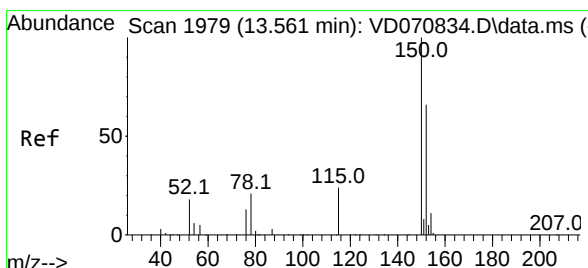
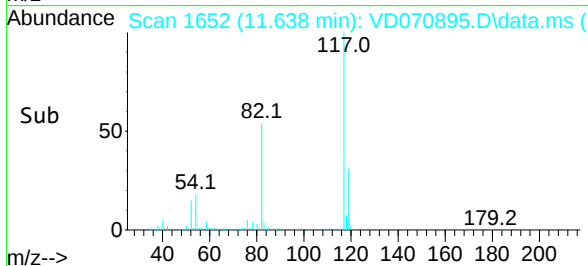
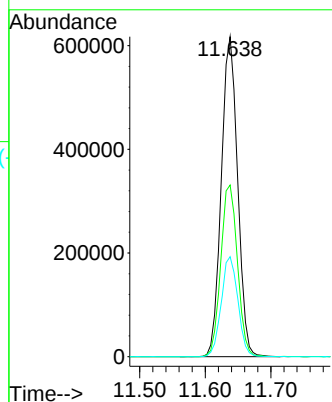
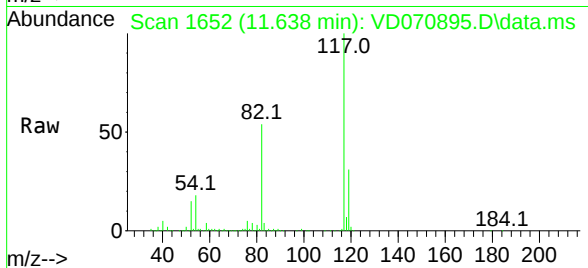




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070895.D
Acq: 28 Oct 2021 16:51

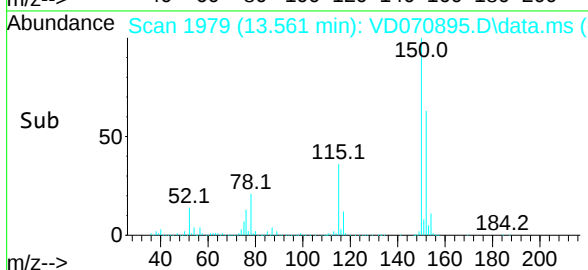
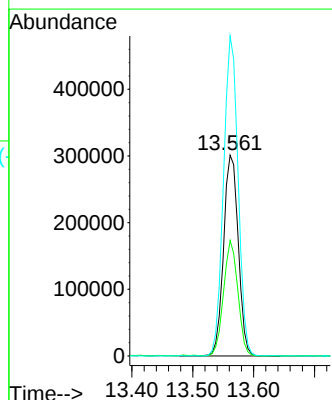
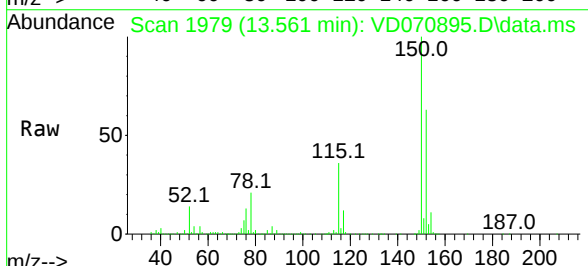
Instrument :
MSVOA_D
ClientSampleId :

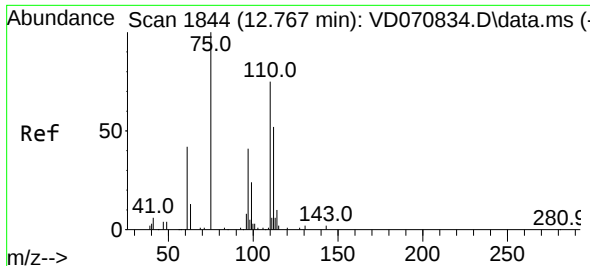
Tgt Ion:117 Resp: 1062484
Ion Ratio Lower Upper
117 100
82 53.7 44.7 67.1
119 31.3 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070895.D
Acq: 28 Oct 2021 16:51

Tgt Ion:152 Resp: 505614
Ion Ratio Lower Upper
152 100
115 55.5 29.8 89.3
150 157.5 0.0 349.2

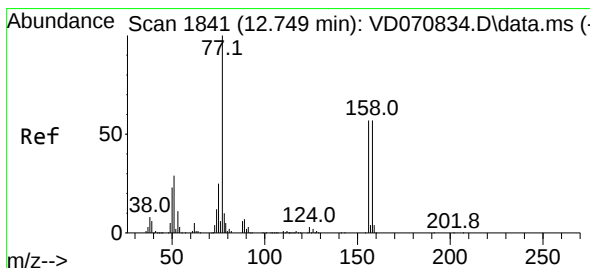
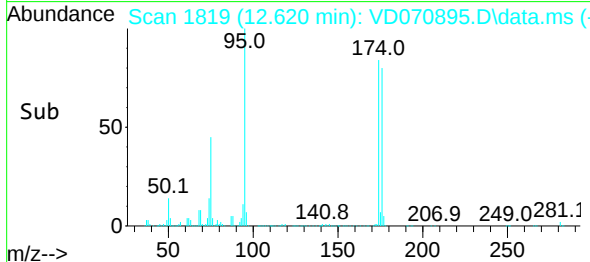
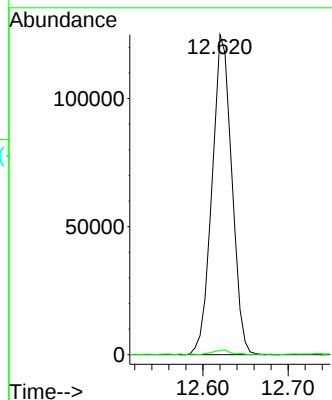
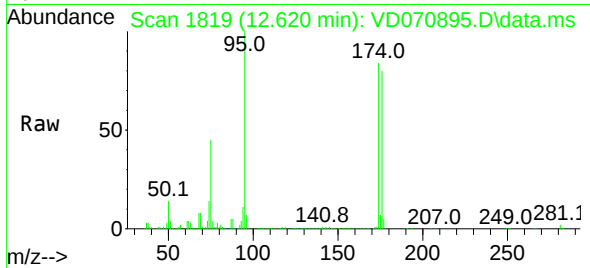




#76
1,2,3-Trichloropropane
Concen: 40.457 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD070895.D
Acq: 28 Oct 2021 16:51

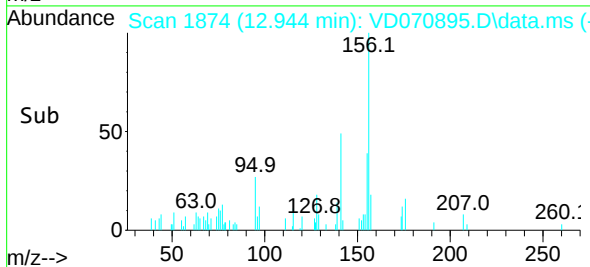
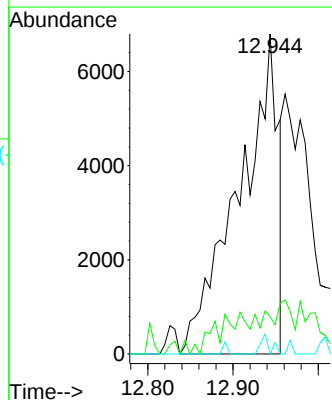
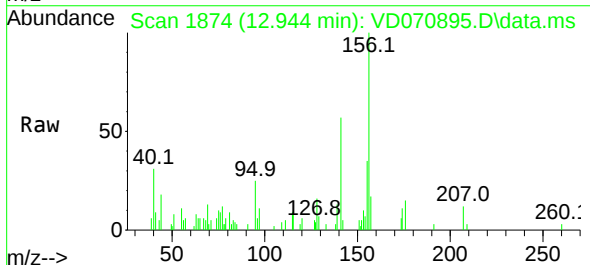
Instrument :
MSVOA_D
ClientSampled :

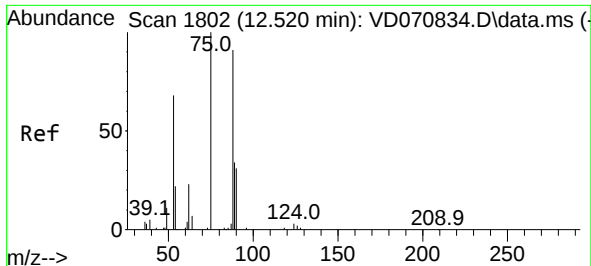
Tgt Ion: 75 Resp: 201367
Ion Ratio Lower Upper
75 100
77 1.4 158.4 475.3#



#77
Bromobenzene
Concen: 2.636 ug/l
RT: 12.944 min Scan# 1874
Delta R.T. 0.194 min
Lab File: VD070895.D
Acq: 28 Oct 2021 16:51

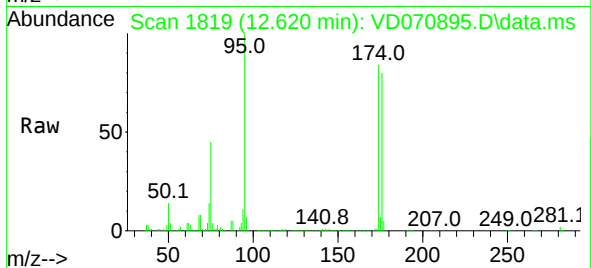
Tgt Ion:156 Resp: 21658
Ion Ratio Lower Upper
156 100
77 0.0 96.6 289.8#
158 1.4 49.1 147.4#



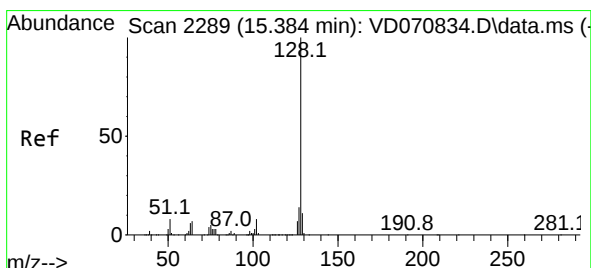
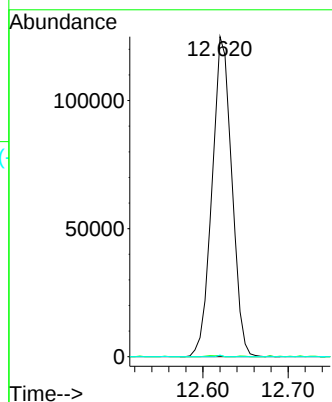
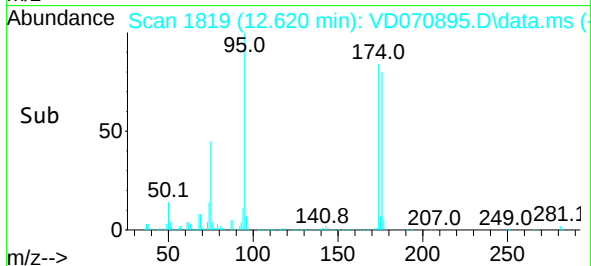


#81
trans-1,4-Dichloro-2-butene
Concen: 106.185 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070895.D
Acq: 28 Oct 2021 16:51

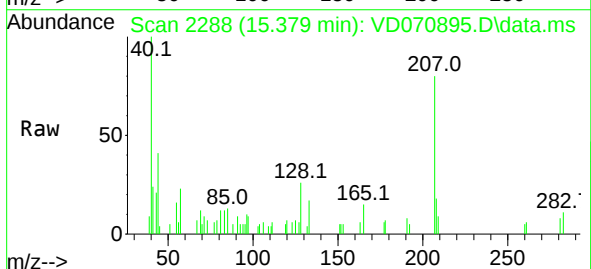
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 201367
Ion Ratio Lower Upper
75 100
53 0.2 62.6 94.0#
89 0.1 34.5 51.7#



#95
Naphthalene
Concen: 4.192 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.005 min
Lab File: VD070895.D
Acq: 28 Oct 2021 16:51



Tgt Ion: 128 Resp: 1182
Ion Ratio Lower Upper
128 100
127 18.5 10.7 16.1#
129 14.3 8.7 13.1#

