

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102221\
 Data File : VD070822.D
 Acq On : 22 Oct 2021 13:51
 Operator : VA/SY
 Sample : M4294-01RE
 Misc : 5.25G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 23 04:11:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:32:03 2021
 Response via : Initial Calibration

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

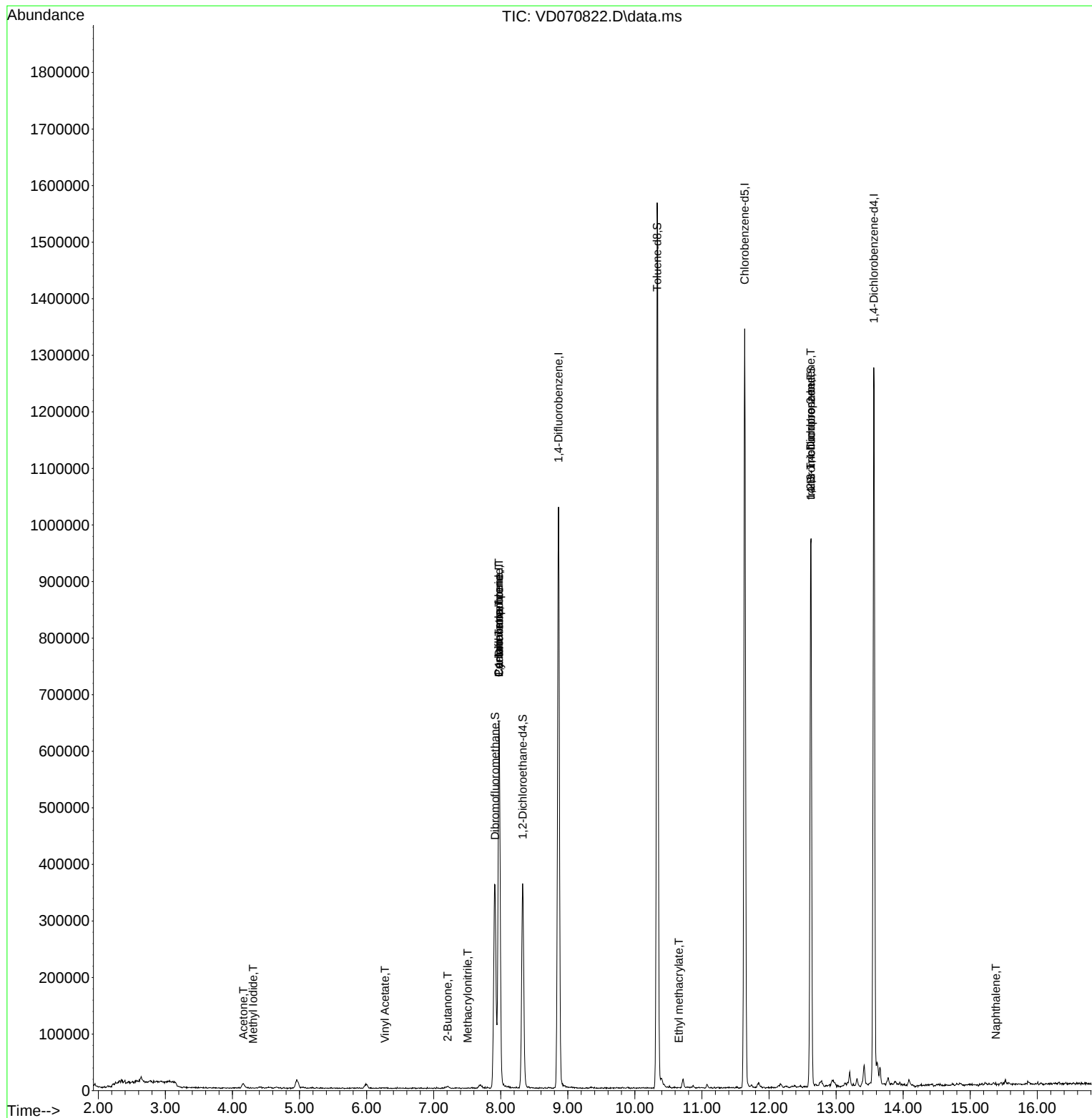
Internal Standards						
1) Pentafluorobenzene	7.973	168	437762	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	811730	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	730080	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	328613	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	278195	53.654	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.300%			
35) Dibromofluoromethane	7.914	113	264089	50.810	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.620%			
50) Toluene-d8	10.332	98	1011311	50.758	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.520%			
62) 4-Bromofluorobenzene	12.626	95	331404	48.307	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.620%			
Target Compounds						Qvalue
10) Methyl Iodide	4.309	142	732	3.445	ug/l #	88
16) Acetone	4.162	43	13908	11.121	ug/l	90
20) Methylene Chloride	4.962	84	10162	Below Cal	#	90
23) Vinyl Acetate	6.273	43	59	16.335	ug/l #	69
25) 2-Butanone	7.209	43	2264	1.465	ug/l #	43
31) Cyclohexane	7.973	56	12975	1.237	ug/l #	4
36) 1,1-Dichloropropene	7.973	75	43052	4.761	ug/l #	50
38) Carbon Tetrachloride	7.973	117	49441	5.708	ug/l #	15
41) Methacrylonitrile	7.509	41	70	1.972	ug/l #	16
56) Ethyl methacrylate	10.655	69	151	4.178	ug/l #	56
76) 1,2,3-Trichloropropane	12.620	75	166621	58.688	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	166621	128.546	ug/l #	17
95) Naphthalene	15.385	128	683	4.851	ug/l #	69

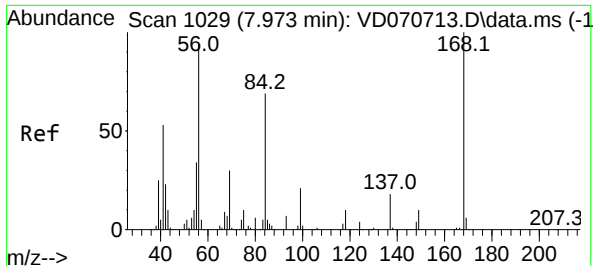
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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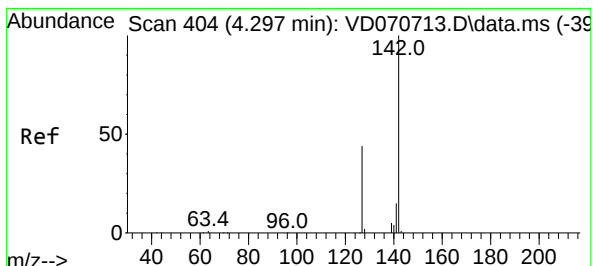
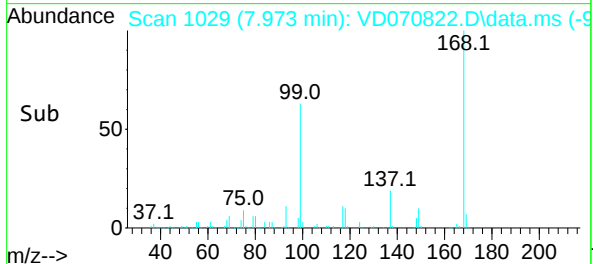
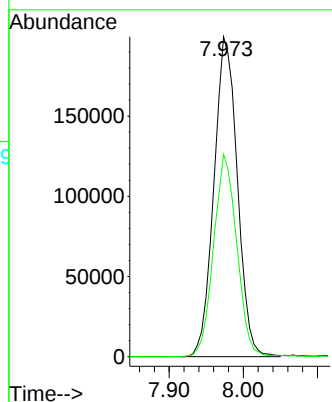
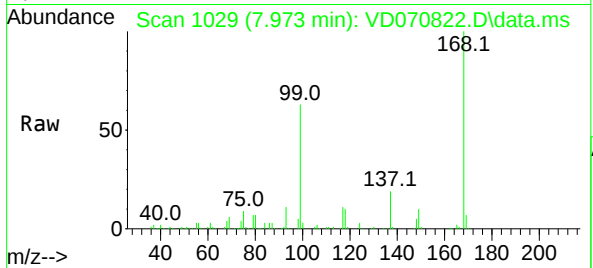




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD070822.D
Acq: 22 Oct 2021 13:51

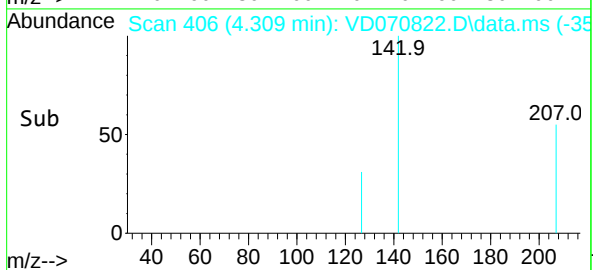
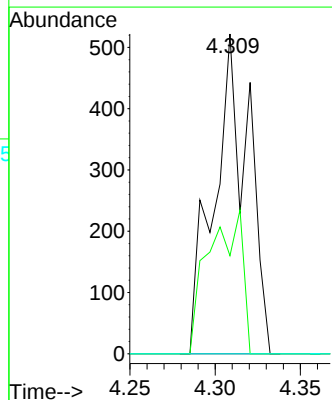
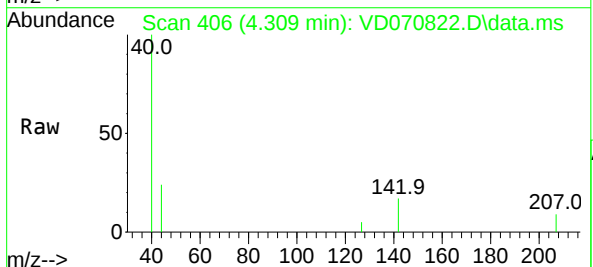
Instrument :
MSVOA_D
ClientSampleId :

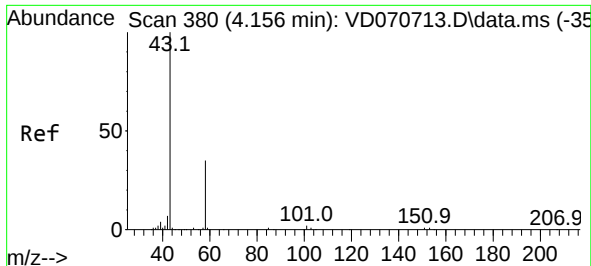
Tgt Ion:168 Resp: 437762
Ion Ratio Lower Upper
168 100
99 63.3 51.4 77.0



#10
Methyl Iodide
Concen: 3.445 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD070822.D
Acq: 22 Oct 2021 13:51

Tgt Ion:142 Resp: 732
Ion Ratio Lower Upper
142 100
127 44.4 37.5 56.3
141 0.0 12.1 18.1#

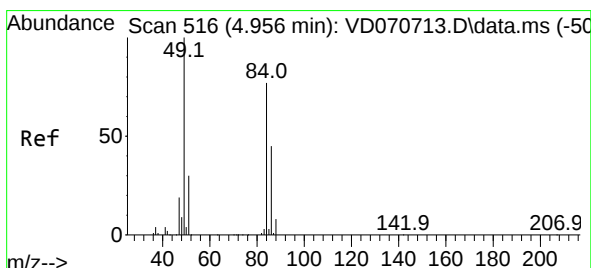
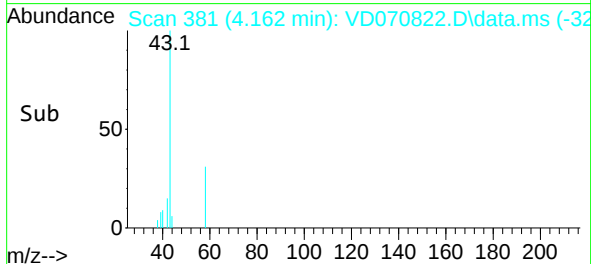
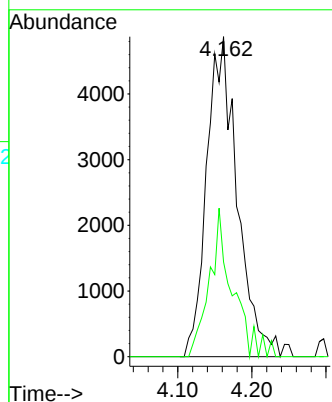
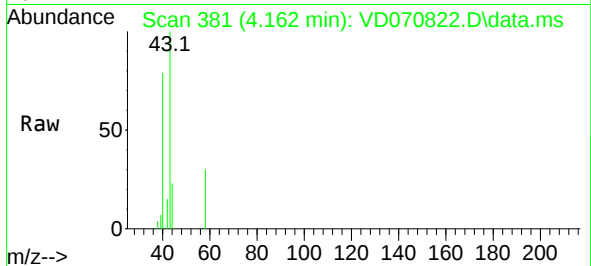




#16
Acetone
Concen: 11.121 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070822.D
Acq: 22 Oct 2021 13:51

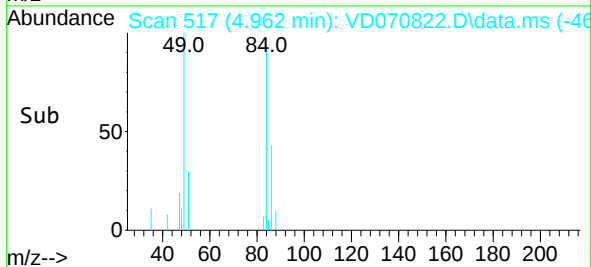
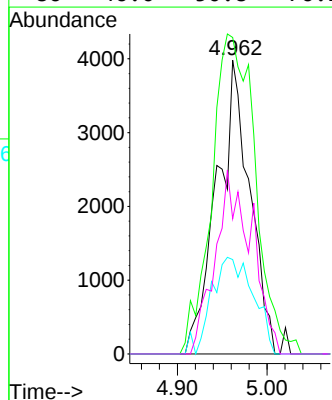
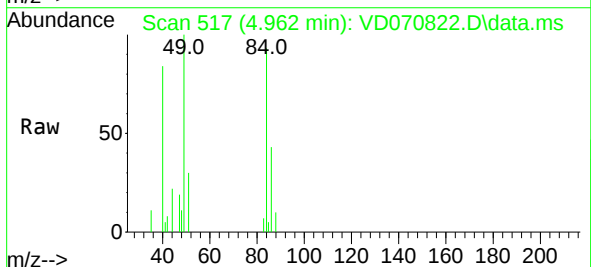
Instrument :
MSVOA_D
ClientSampled :

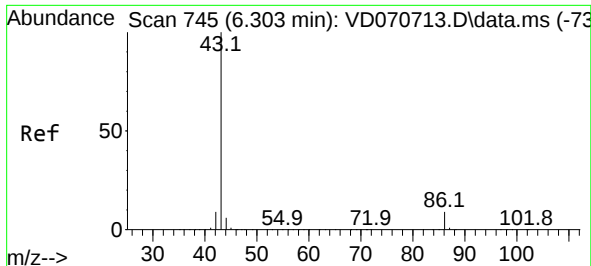
Tgt Ion: 43 Resp: 13908
Ion Ratio Lower Upper
43 100
58 29.6 28.2 42.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. 0.006 min
Lab File: VD070822.D
Acq: 22 Oct 2021 13:51

Tgt Ion: 84 Resp: 10162
Ion Ratio Lower Upper
84 100
49 107.7 91.4 137.2
51 32.2 26.7 40.1
86 46.0 50.8 76.2#

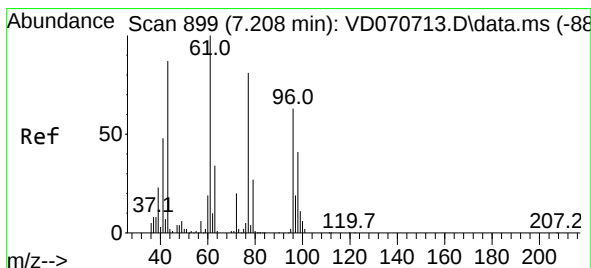
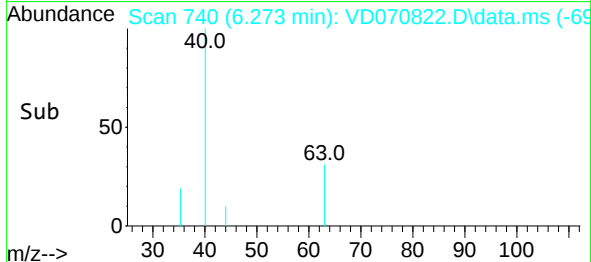
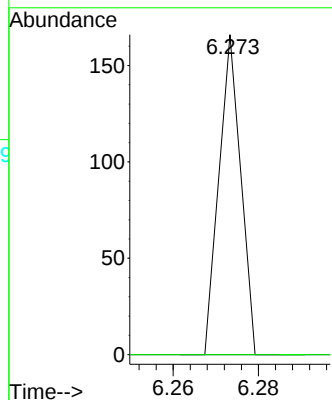
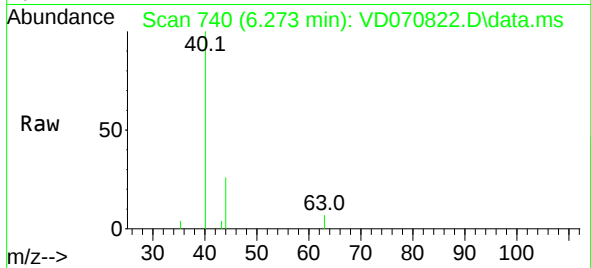




#23
 Vinyl Acetate
 Concen: 16.335 ug/l
 RT: 6.273 min Scan# 740
 Delta R.T. -0.030 min
 Lab File: VD070822.D
 Acq: 22 Oct 2021 13:51

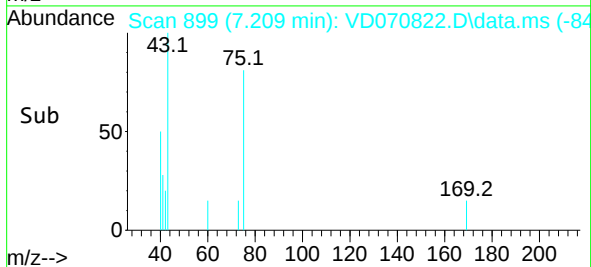
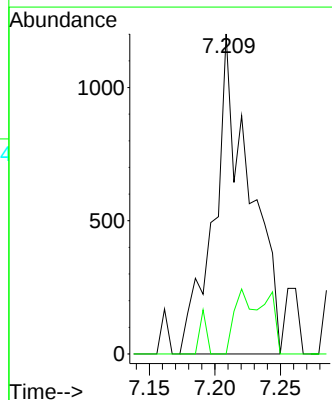
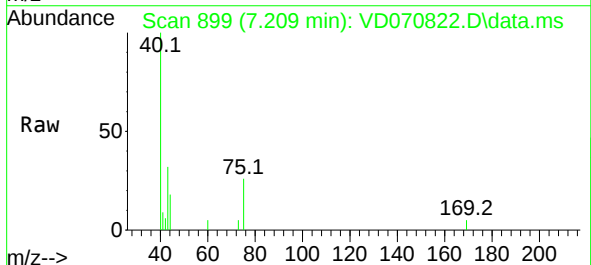
Instrument :
 MSVOA_D
 ClientSampled :

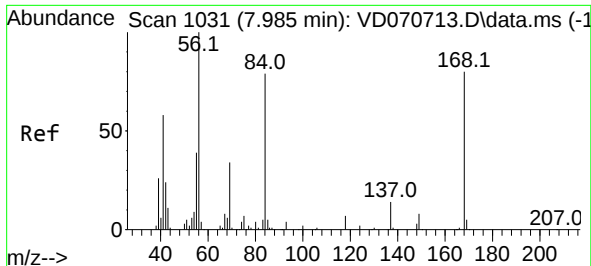
Tgt Ion: 43 Resp: 59
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.8 14.6#



#25
 2-Butanone
 Concen: 1.465 ug/l
 RT: 7.209 min Scan# 899
 Delta R.T. 0.000 min
 Lab File: VD070822.D
 Acq: 22 Oct 2021 13:51

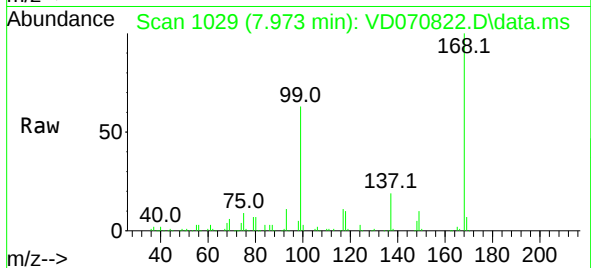
Tgt Ion: 43 Resp: 2264
 Ion Ratio Lower Upper
 43 100
 72 0.0 25.2 37.8#



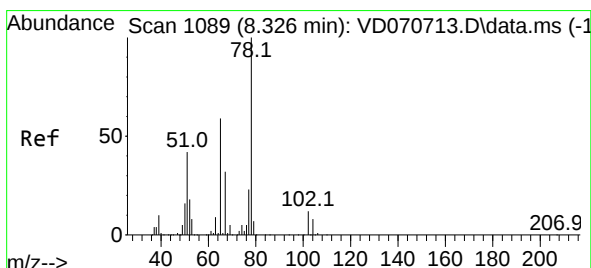
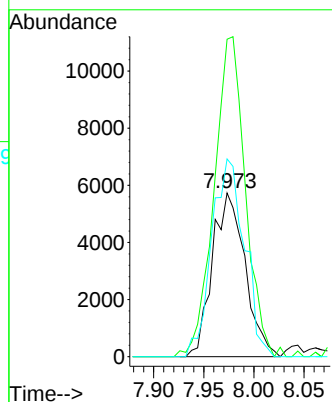
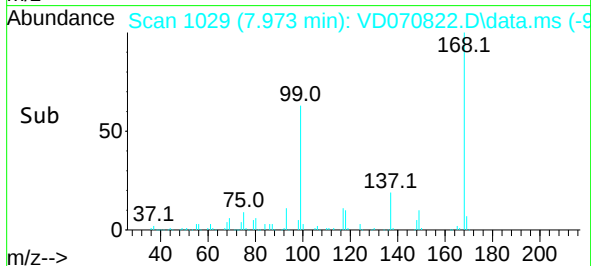


#31
Cyclohexane
Concen: 1.237 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070822.D
Acq: 22 Oct 2021 13:51

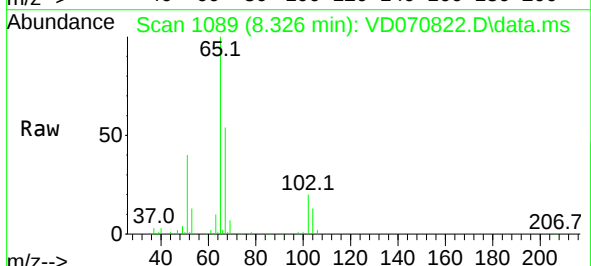
Instrument :
MSVOA_D
ClientSampleId :



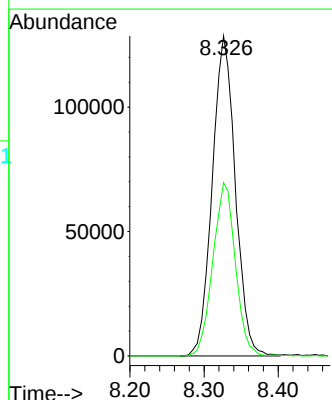
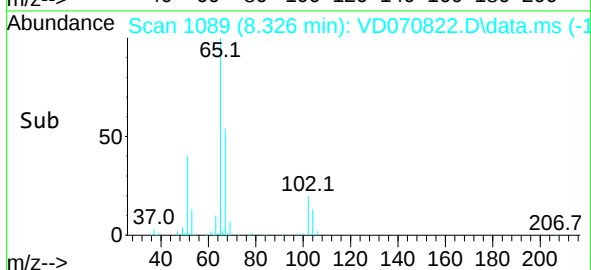
Tgt Ion: 56 Resp: 12975
Ion Ratio Lower Upper
56 100
69 190.3 27.4 41.2#
84 120.8 73.6 110.4#

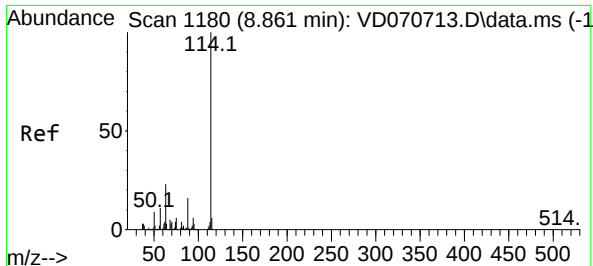


#33
1,2-Dichloroethane-d4
Concen: 53.654 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070822.D
Acq: 22 Oct 2021 13:51



Tgt Ion: 65 Resp: 278195
Ion Ratio Lower Upper
65 100
67 52.7 0.0 110.2



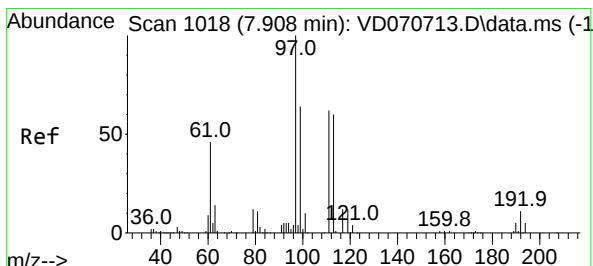
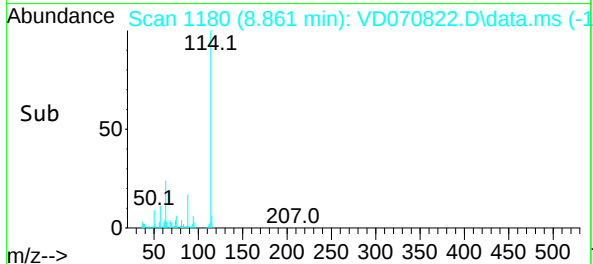
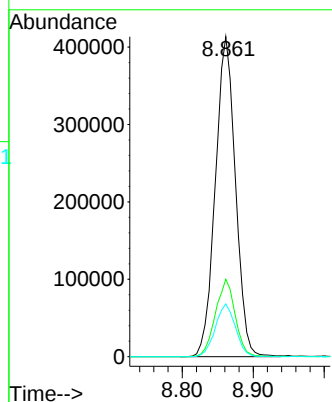
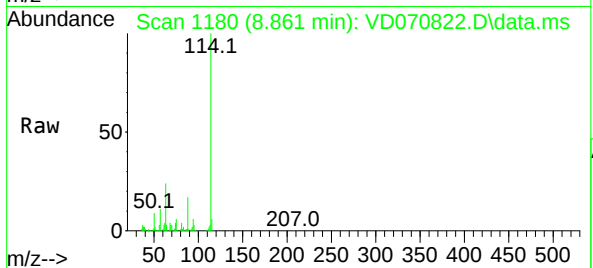


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070822.D
Acq: 22 Oct 2021 13:51

Instrument :
MSVOA_D
ClientSampled :

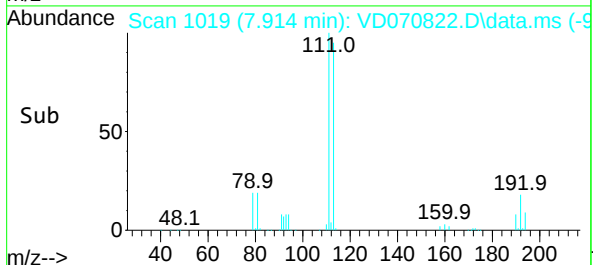
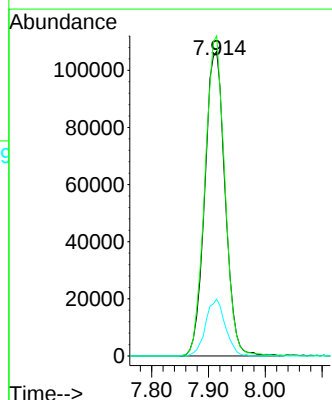
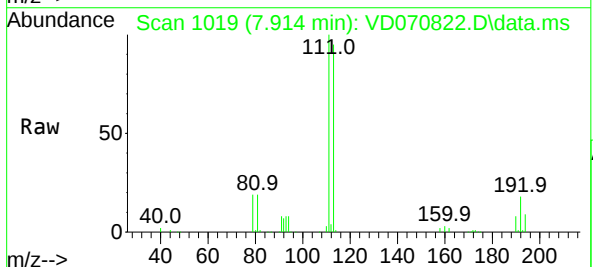
Tgt Ion:114 Resp: 811730
Ion Ratio Lower Upper
114 100
63 24.2 0.0 41.8
88 16.5 0.0 32.6

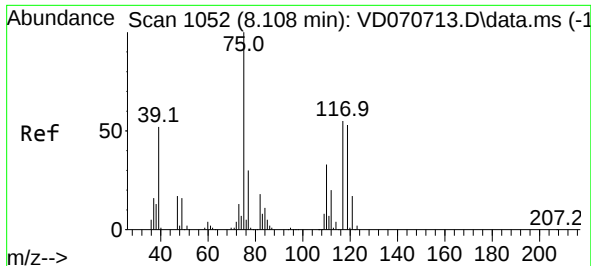


#35

Dibromofluoromethane
Concen: 50.810 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.006 min
Lab File: VD070822.D
Acq: 22 Oct 2021 13:51

Tgt Ion:113 Resp: 264089
Ion Ratio Lower Upper
113 100
111 102.7 83.1 124.7
192 18.0 12.7 19.1

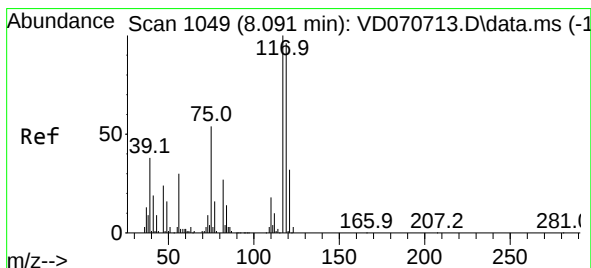
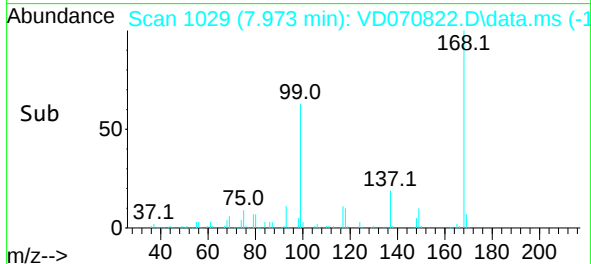
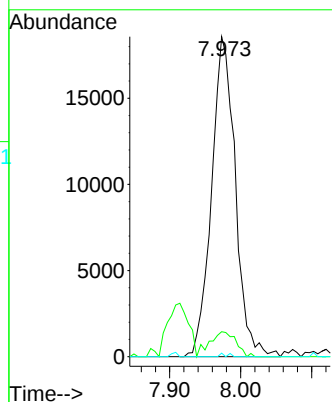
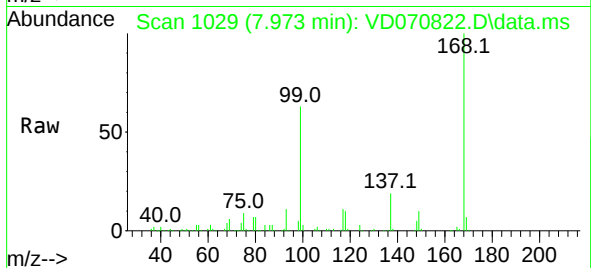




#36
1,1-Dichloropropene
Concen: 4.761 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070822.D
Acq: 22 Oct 2021 13:51

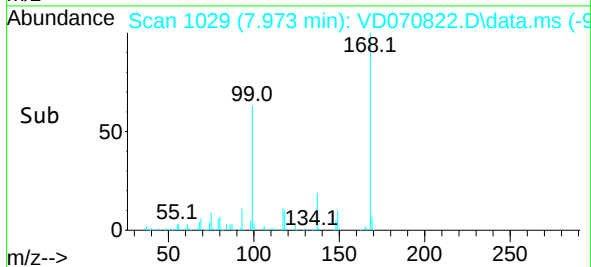
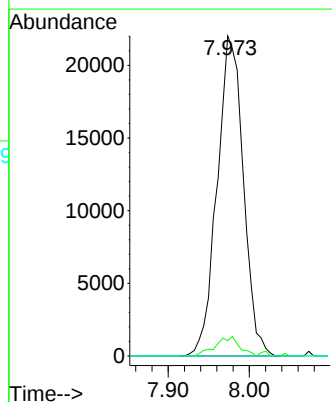
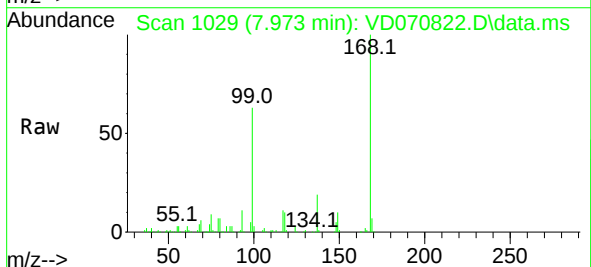
Instrument :
MSVOA_D
ClientSampled :

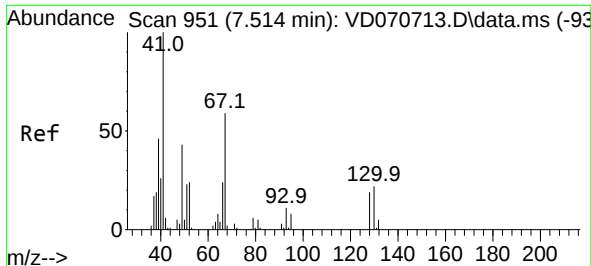
Tgt Ion: 75 Resp: 43052
Ion Ratio Lower Upper
75 100
110 7.7 17.2 51.6#
77 0.3 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 5.708 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.117 min
Lab File: VD070822.D
Acq: 22 Oct 2021 13:51

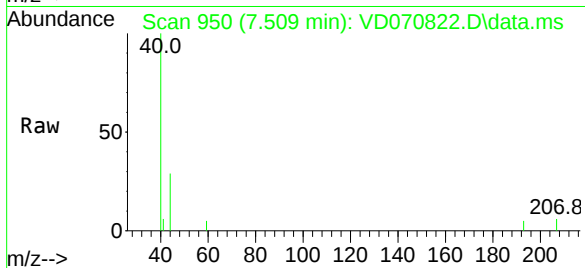
Tgt Ion: 117 Resp: 49441
Ion Ratio Lower Upper
117 100
119 4.8 77.4 116.0#
121 0.0 25.4 38.0#



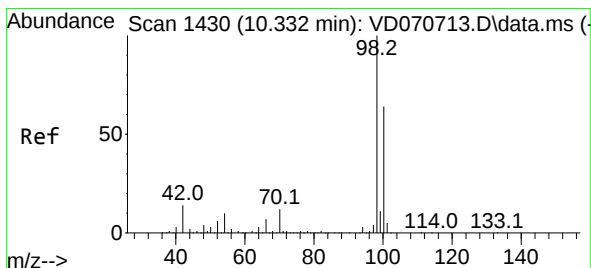
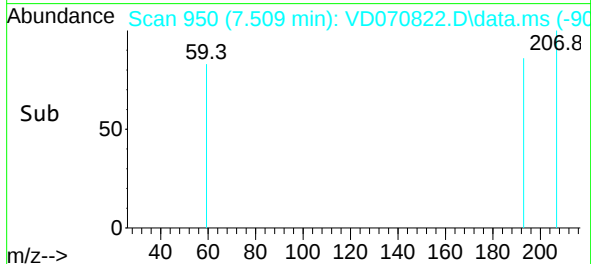
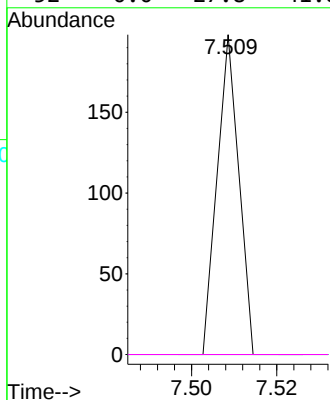


#41
Methacrylonitrile
Concen: 1.972 ug/l
RT: 7.509 min Scan# 950
Delta R.T. -0.005 min
Lab File: VD070822.D
Acq: 22 Oct 2021 13:51

Instrument :
MSVOA_D
ClientSampleId :

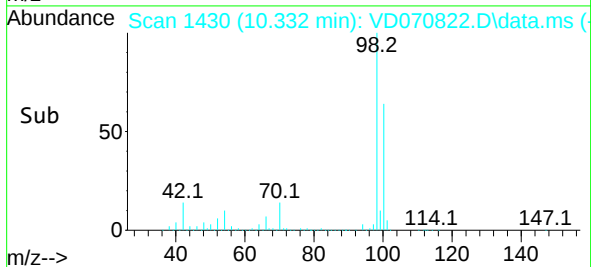
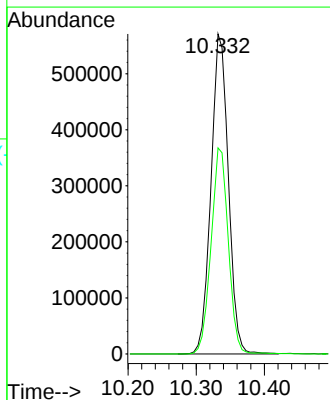
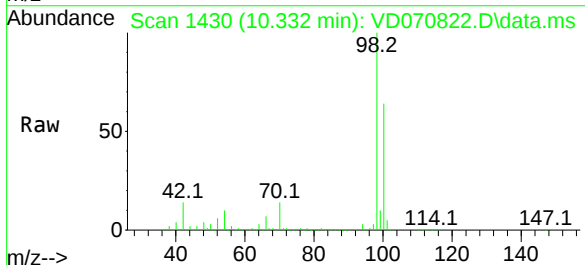


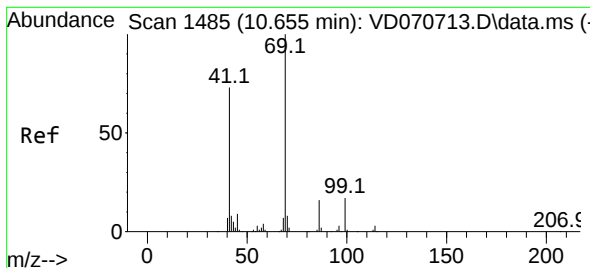
Tgt Ion:	41	Resp:	70
Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.2	67.8#
67	0.0	75.8	113.6#
52	0.0	27.8	41.8#



#50
Toluene-d8
Concen: 50.758 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070822.D
Acq: 22 Oct 2021 13:51

Tgt Ion:	98	Resp:	1011311
Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.2	78.4

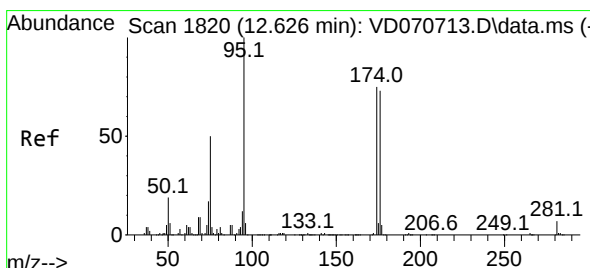
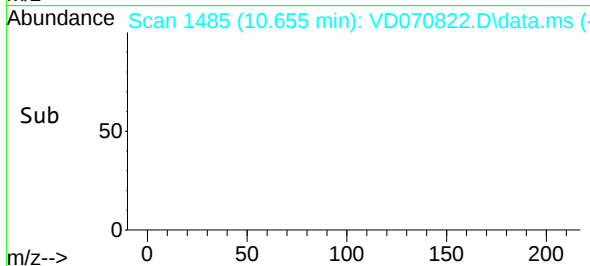
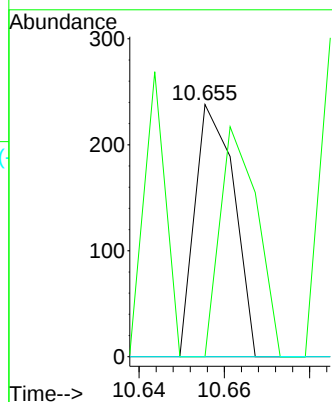
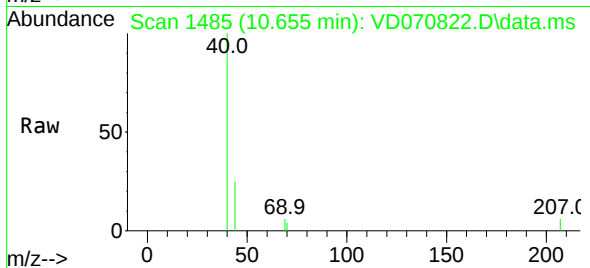




#56
Ethyl methacrylate
Concen: 4.178 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD070822.D
Acq: 22 Oct 2021 13:51

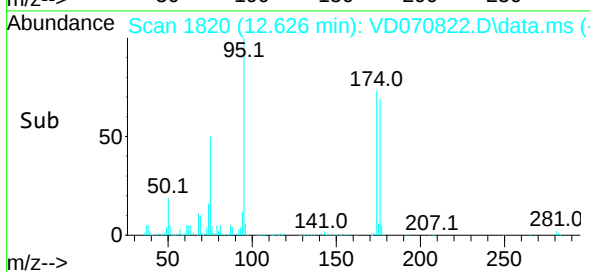
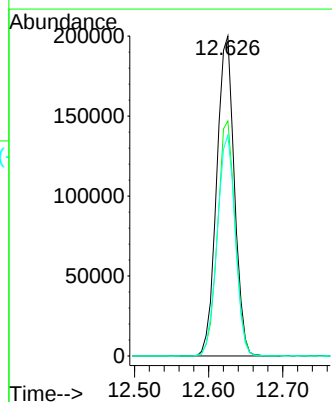
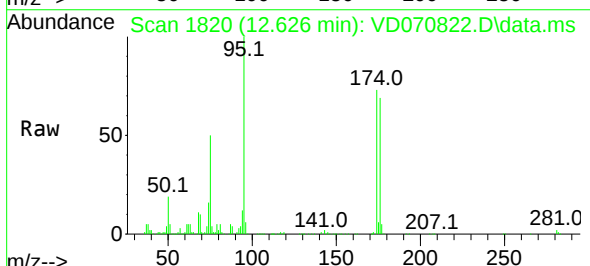
Instrument :
MSVOA_D
ClientSampleId :

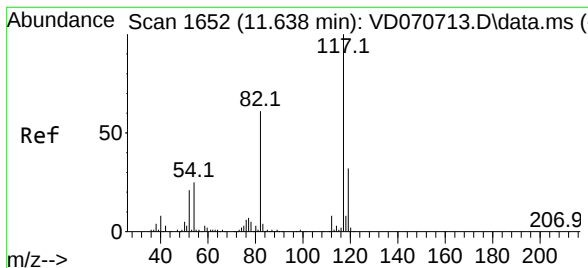
Tgt Ion:	69	Resp:	151
Ion	Ratio	Lower	Upper
69	100		
41	86.8	44.7	67.1#
39	0.0	19.5	29.3#



#62
4-Bromofluorobenzene
Concen: 48.307 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070822.D
Acq: 22 Oct 2021 13:51

Tgt Ion:	95	Resp:	331404
Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	138.0
176	69.9	0.0	135.6

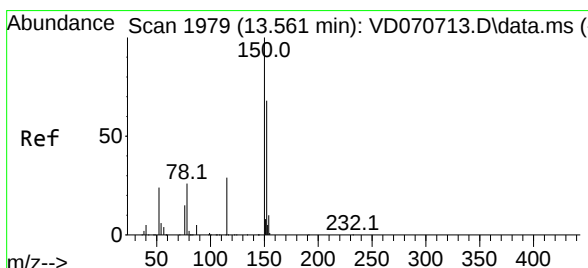
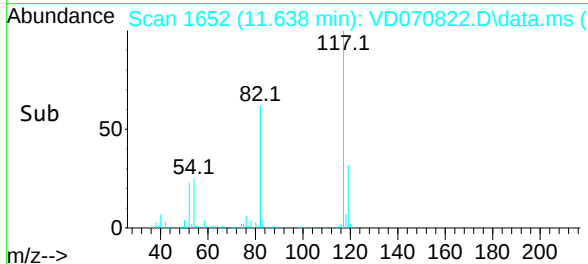
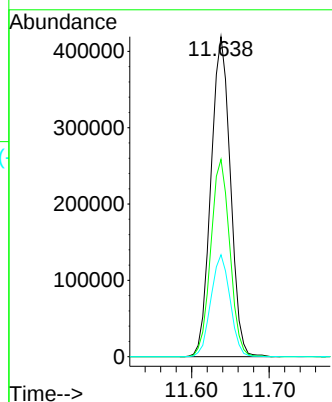
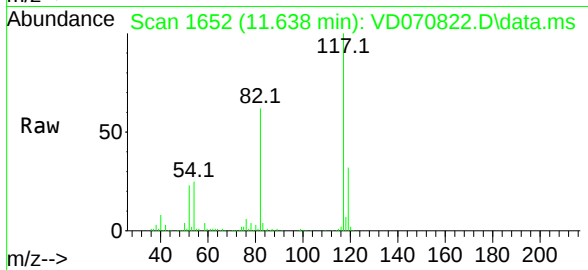




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070822.D
Acq: 22 Oct 2021 13:51

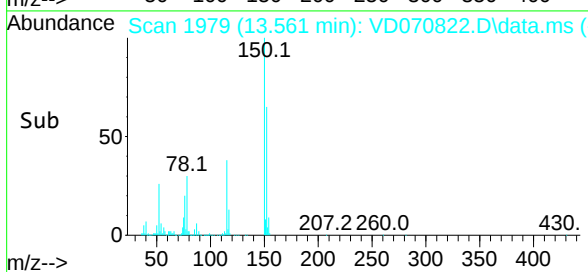
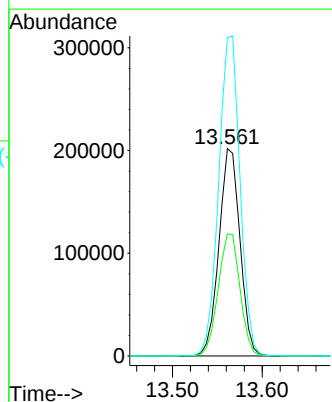
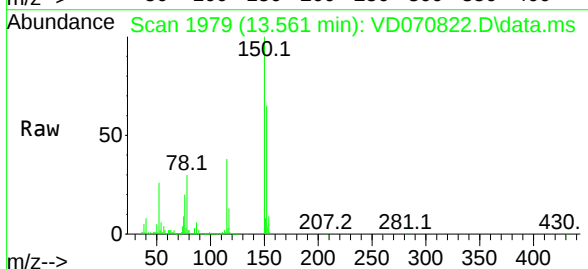
Instrument :
MSVOA_D
ClientSampleId :

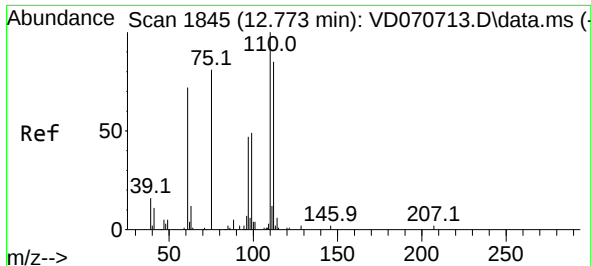
Tgt Ion:117 Resp: 730080
Ion Ratio Lower Upper
117 100
82 61.7 45.4 68.2
119 31.9 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070822.D
Acq: 22 Oct 2021 13:51

Tgt Ion:152 Resp: 328613
Ion Ratio Lower Upper
152 100
115 61.0 31.9 95.7
150 156.8 0.0 350.0

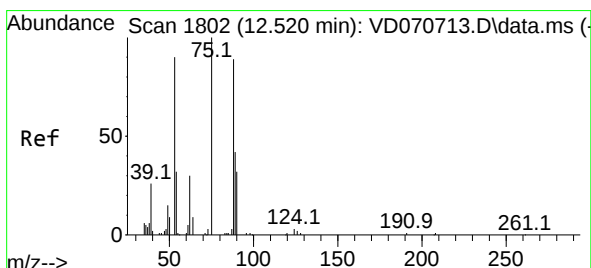
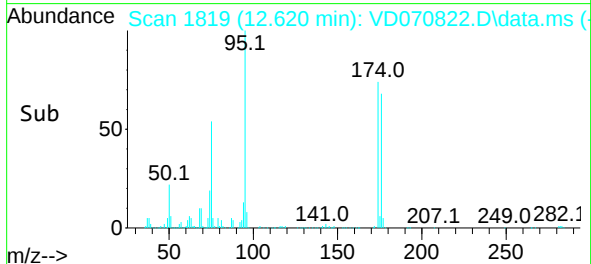
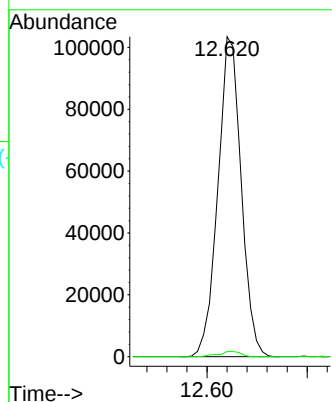
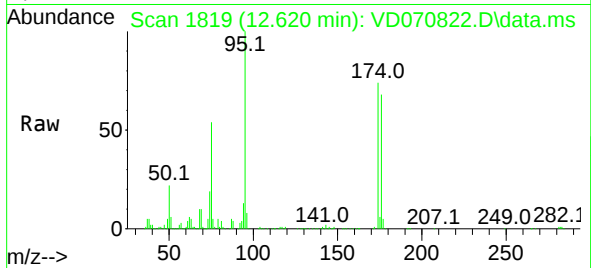




#76
1,2,3-Trichloropropane
Concen: 58.688 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070822.D
Acq: 22 Oct 2021 13:51

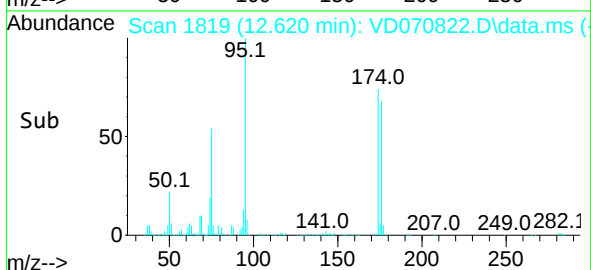
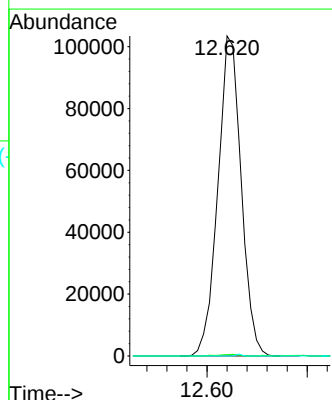
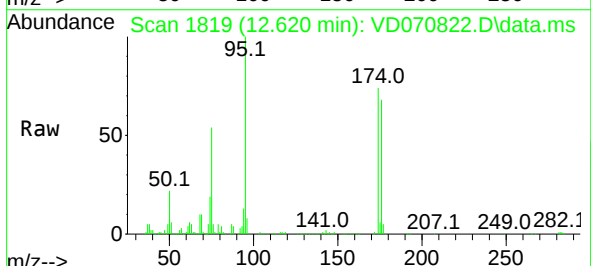
Instrument :
MSVOA_D
ClientSampleId :

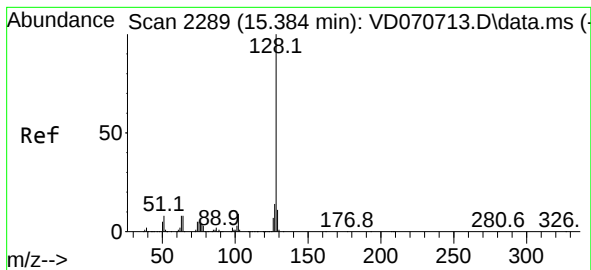
Tgt Ion: 75 Resp: 166621
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.546 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070822.D
Acq: 22 Oct 2021 13:51

Tgt Ion: 75 Resp: 166621
Ion Ratio Lower Upper
75 100
53 0.4 64.5 96.7#
89 0.1 35.3 52.9#





#95
Naphthalene
Concen: 4.851 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. 0.001 min
Lab File: VD070822.D
Acq: 22 Oct 2021 13:51

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 683
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

