

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102121\
 Data File : VD070809.D
 Acq On : 21 Oct 2021 19:13
 Operator : VA/SY
 Sample : M4294-13
 Misc : 4.80G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

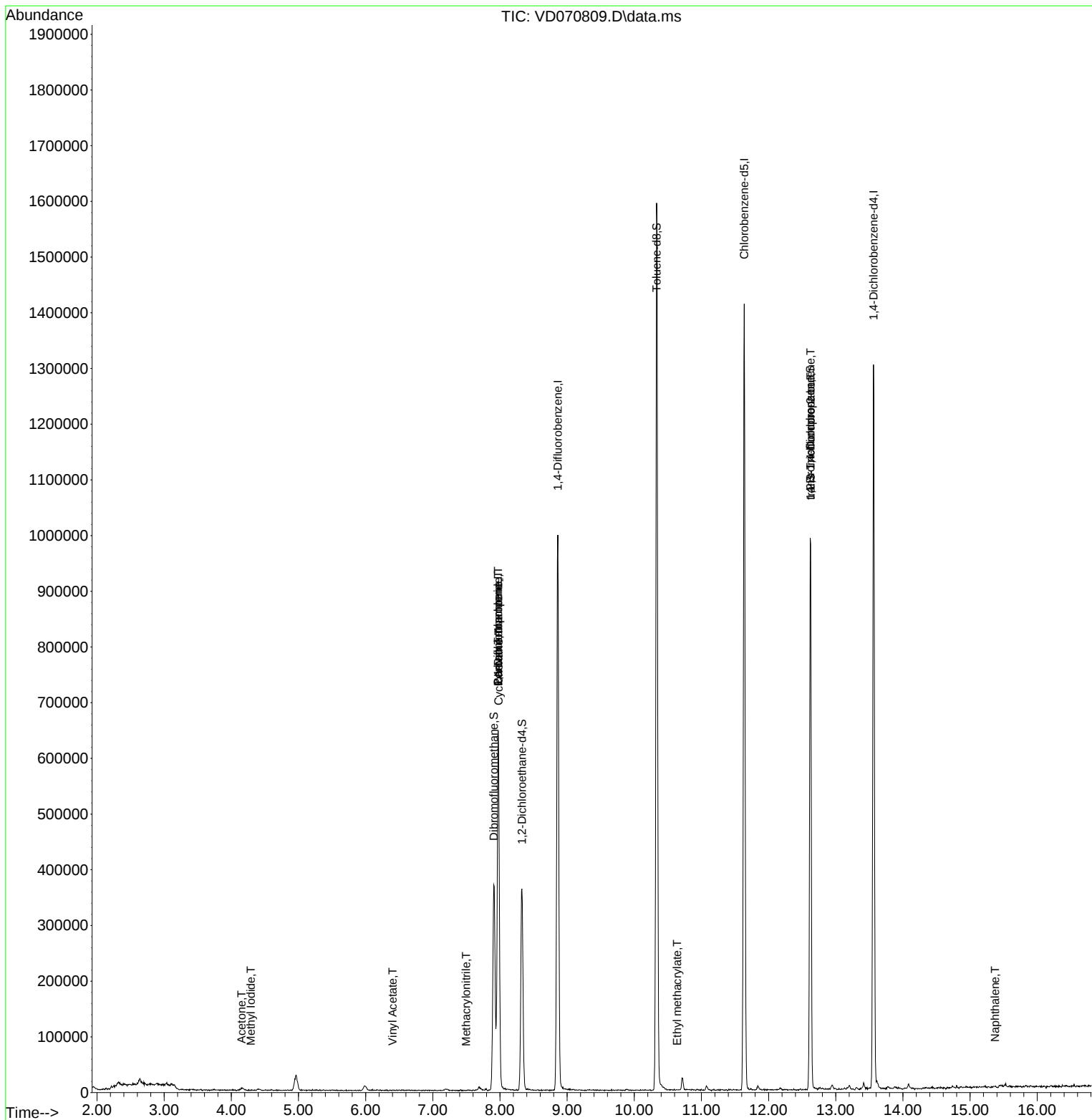
Quant Time: Oct 22 06:17:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:32:03 2021
 Response via : Initial Calibration

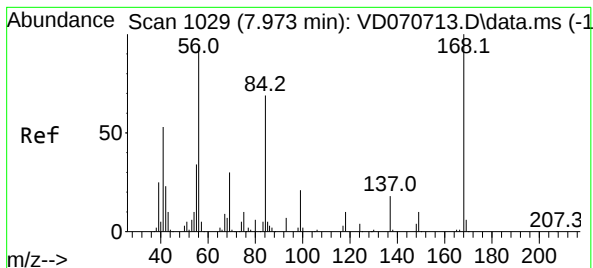
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	441011	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	804547	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	778691	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	334348	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	296136	56.693	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.380%	
35) Dibromofluoromethane	7.908	113	268187	52.059	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.120%	
50) Toluene-d8	10.332	98	1059027	53.628	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.260%	
62) 4-Bromofluorobenzene	12.620	95	340133	50.022	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 100.040%	
Target Compounds						Qvalue
10) Methyl Iodide	4.291	142	206	3.355	ug/l #	38
16) Acetone	4.150	43	7533	5.979	ug/l	100
20) Methylene Chloride	4.967	84	18716	Below Cal		95
23) Vinyl Acetate	6.403	43	59	16.335	ug/l #	69
31) Cyclohexane	7.979	56	12777	1.209	ug/l #	19
36) 1,1-Dichloropropene	7.973	75	41166	4.593	ug/l #	50
38) Carbon Tetrachloride	7.973	117	48240	5.619	ug/l #	16
41) Methacrylonitrile	7.497	41	56	1.966	ug/l #	16
56) Ethyl methacrylate	10.638	69	74	4.167	ug/l #	67
76) 1,2,3-Trichloropropane	12.626	75	173015	59.895	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	173015	131.189	ug/l #	18
95) Naphthalene	15.373	128	566	4.840	ug/l #	87

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

Quant Time: Oct 22 06:17:34 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

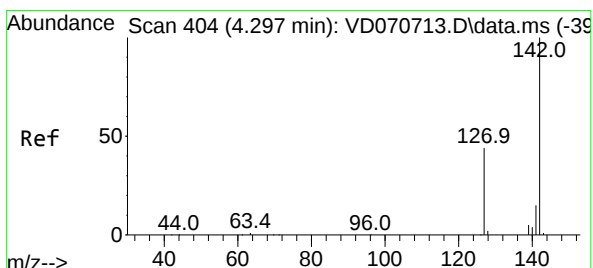
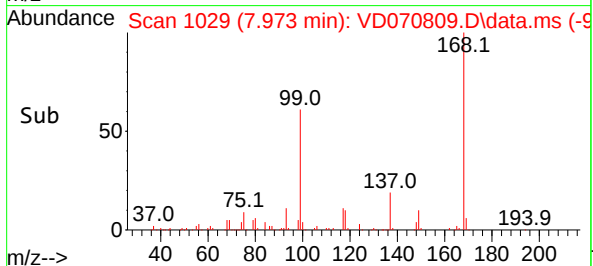
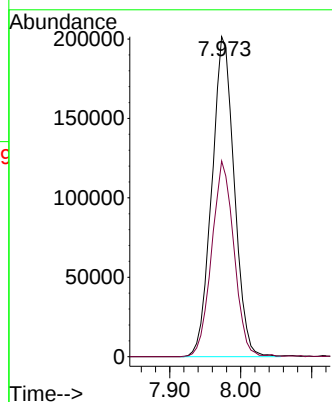
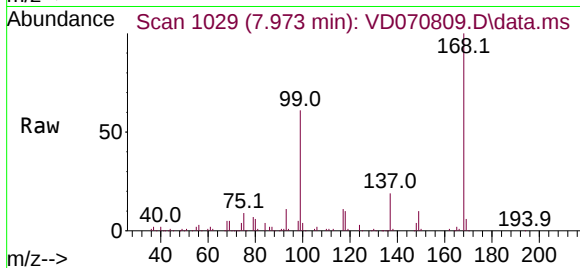




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD070809.D
Acq: 21 Oct 2021 19:13

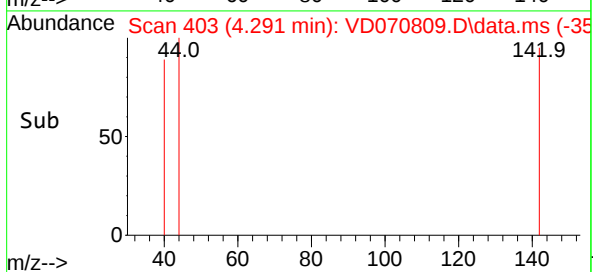
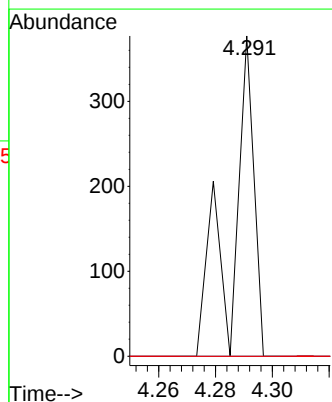
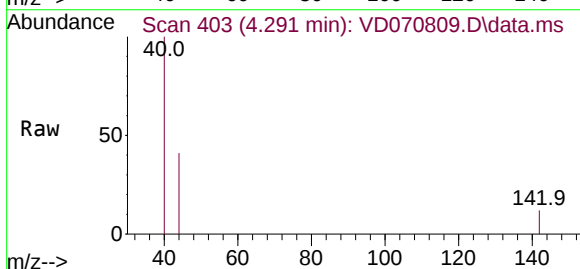
Instrument :
MSVOA_D
ClientSampled :

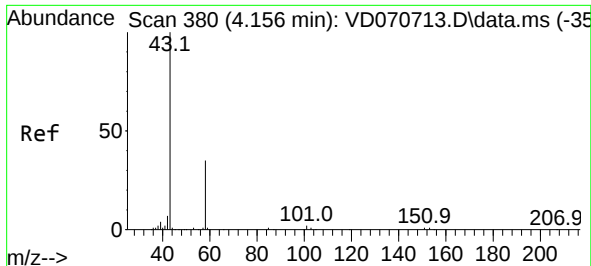
Tgt Ion:168 Resp: 441011
Ion Ratio Lower Upper
168 100
99 61.1 51.4 77.0



#10
Methyl Iodide
Concen: 3.355 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD070809.D
Acq: 21 Oct 2021 19:13

Tgt Ion:142 Resp: 206
Ion Ratio Lower Upper
142 100
127 0.0 37.5 56.3#
141 0.0 12.1 18.1#

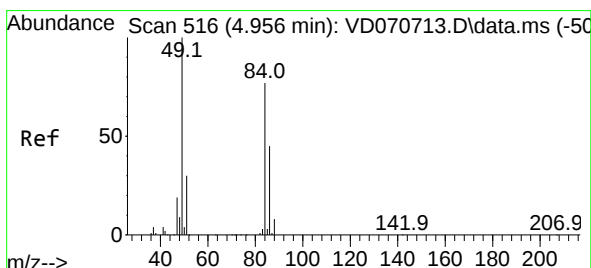
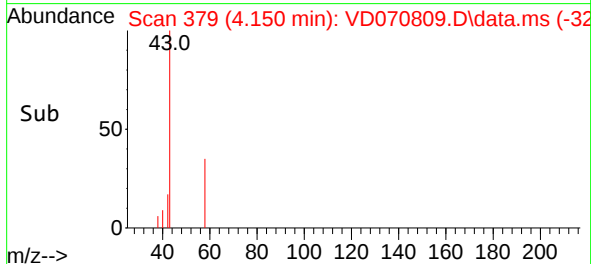
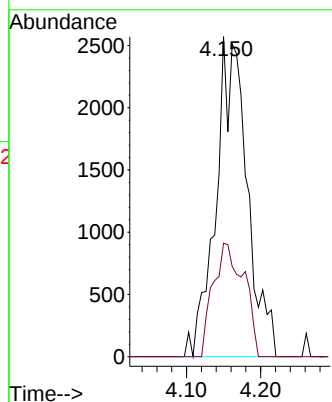
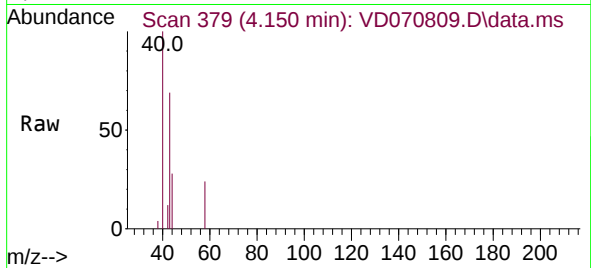




#16
Acetone
Concen: 5.979 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070809.D
Acq: 21 Oct 2021 19:13

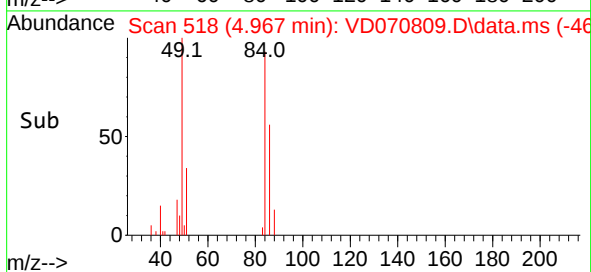
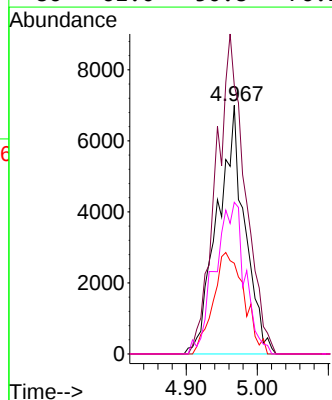
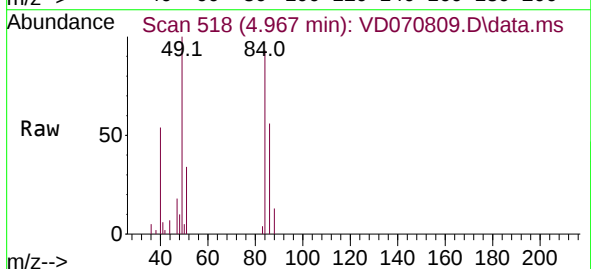
Instrument :
MSVOA_D
ClientSampled :

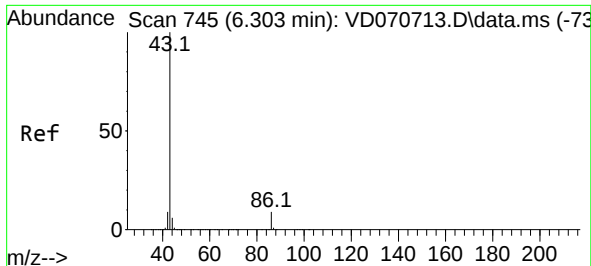
Tgt Ion: 43 Resp: 7533
Ion Ratio Lower Upper
43 100
58 35.5 28.2 42.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.011 min
Lab File: VD070809.D
Acq: 21 Oct 2021 19:13

Tgt Ion: 84 Resp: 18716
Ion Ratio Lower Upper
84 100
49 108.1 91.4 137.2
51 36.5 26.7 40.1
86 61.0 50.8 76.2

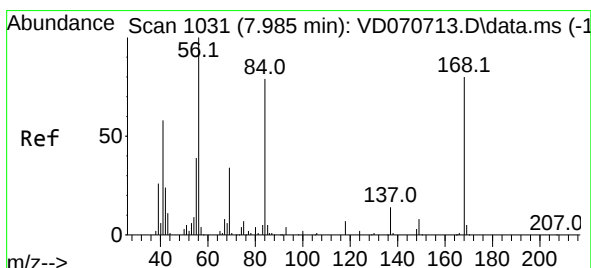
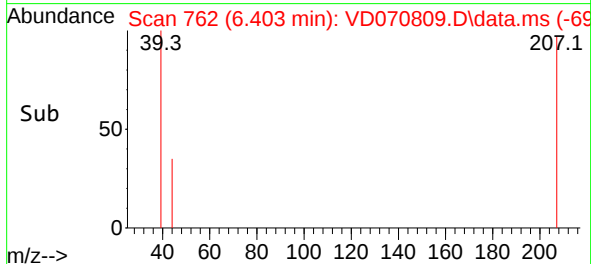
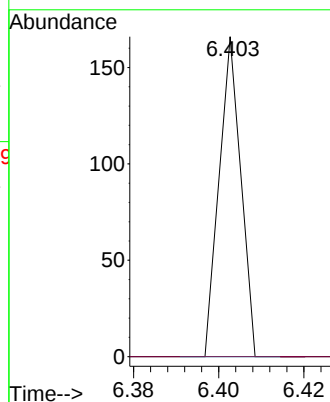
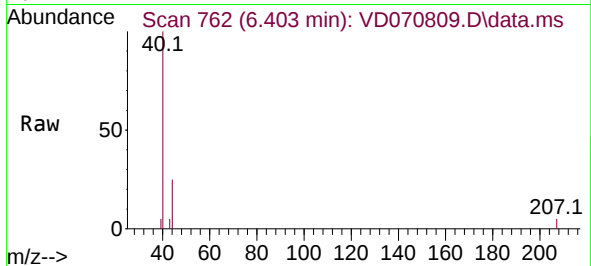




#23
 Vinyl Acetate
 Concen: 16.335 ug/l
 RT: 6.403 min Scan# 762
 Delta R.T. 0.100 min
 Lab File: VD070809.D
 Acq: 21 Oct 2021 19:13

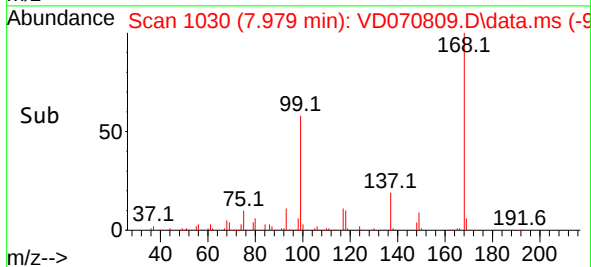
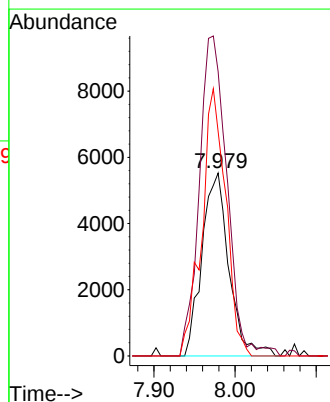
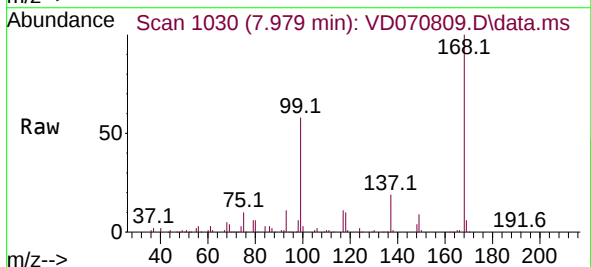
Instrument :
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 ClientSampled :

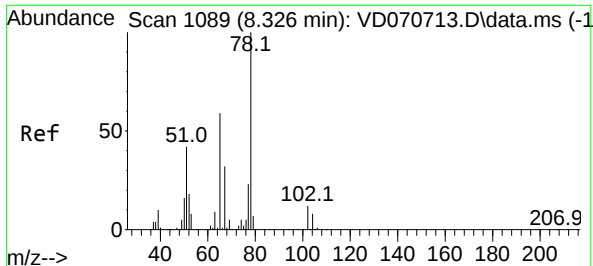
Tgt Ion: 43 Resp: 59
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.8 14.6#



#31
 Cyclohexane
 Concen: 1.209 ug/l
 RT: 7.979 min Scan# 1030
 Delta R.T. -0.006 min
 Lab File: VD070809.D
 Acq: 21 Oct 2021 19:13

Tgt Ion: 56 Resp: 12777
 Ion Ratio Lower Upper
 56 100
 69 155.5 27.4 41.2#
 84 122.7 73.6 110.4#

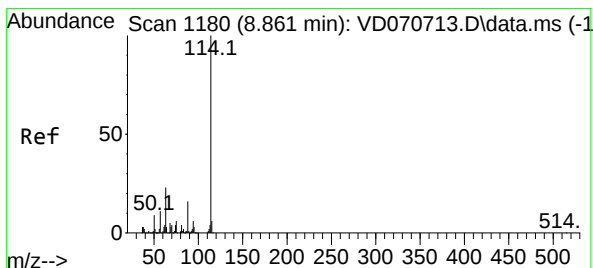
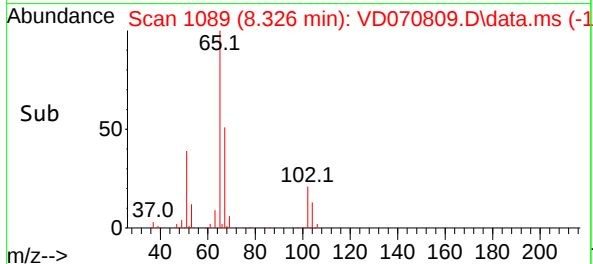
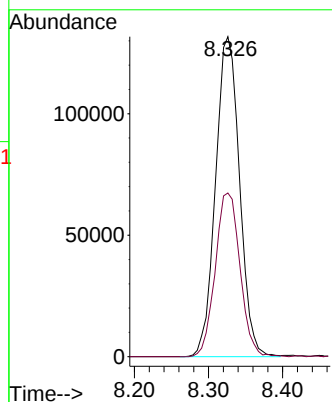
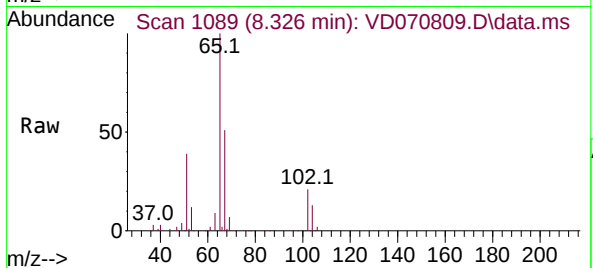




#33
1,2-Dichloroethane-d4
Concen: 56.693 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070809.D
Acq: 21 Oct 2021 19:13

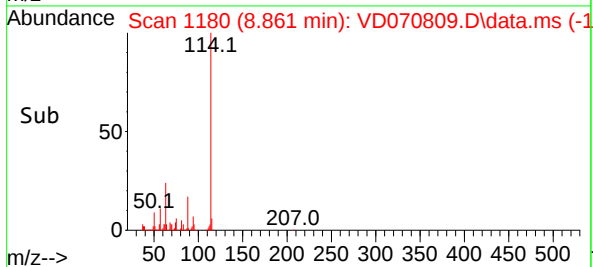
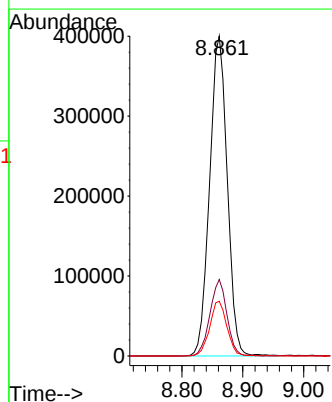
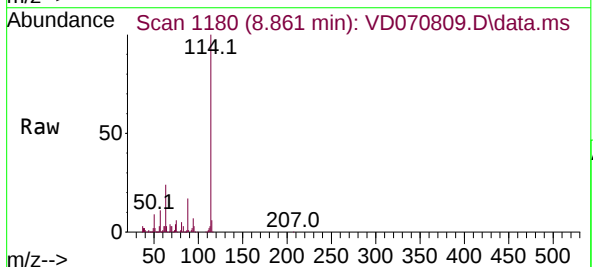
Instrument :
MSVOA_D
ClientSampled :

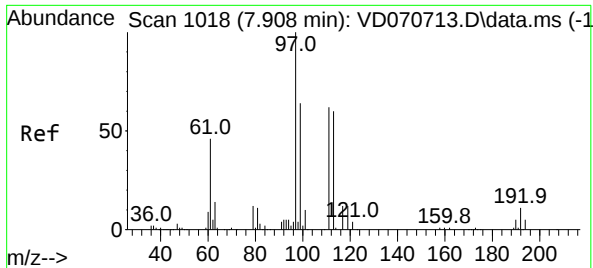
Tgt Ion: 65 Resp: 296136
Ion Ratio Lower Upper
65 100
67 52.8 0.0 110.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070809.D
Acq: 21 Oct 2021 19:13

Tgt Ion: 114 Resp: 804547
Ion Ratio Lower Upper
114 100
63 23.9 0.0 41.8
88 17.1 0.0 32.6

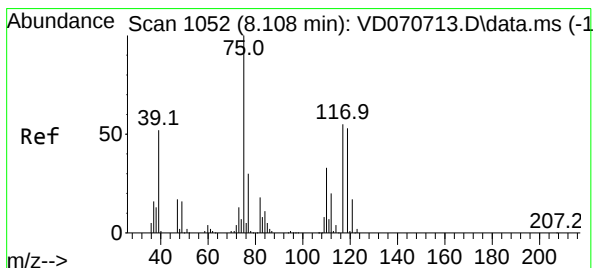
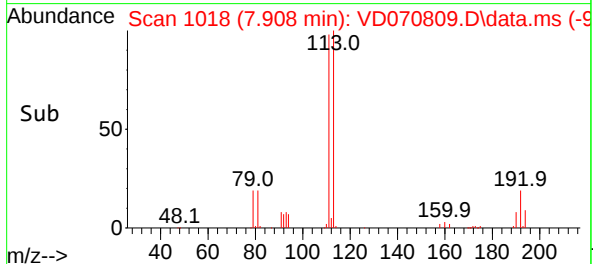
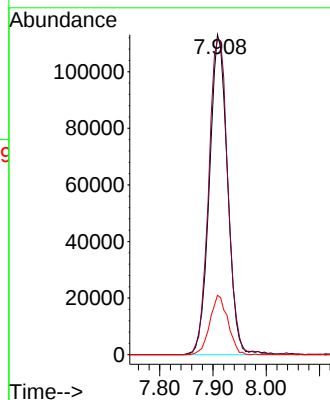
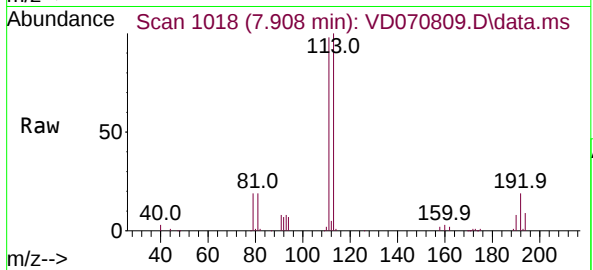




#35
Dibromofluoromethane
Concen: 52.059 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VD070809.D
Acq: 21 Oct 2021 19:13

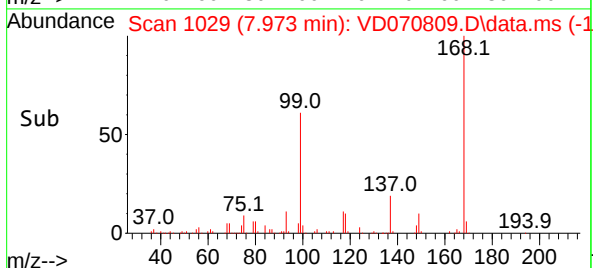
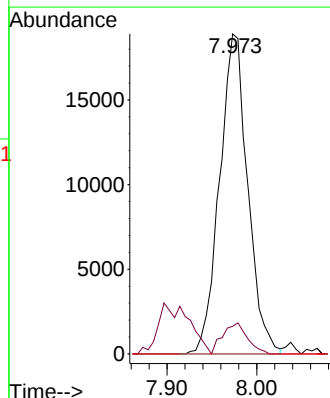
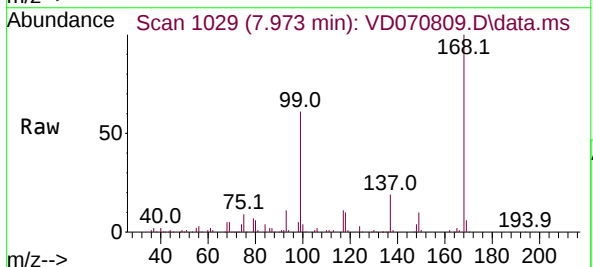
Instrument :
MSVOA_D
ClientSampled :

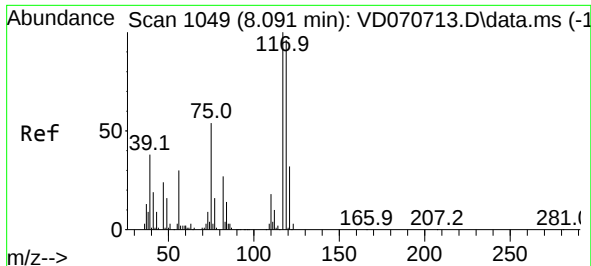
Tgt Ion:113 Resp: 268187
Ion Ratio Lower Upper
113 100
111 103.3 83.1 124.7
192 18.3 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.593 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070809.D
Acq: 21 Oct 2021 19:13

Tgt Ion: 75 Resp: 41166
Ion Ratio Lower Upper
75 100
110 8.5 17.2 51.6#
77 0.0 24.2 36.4#

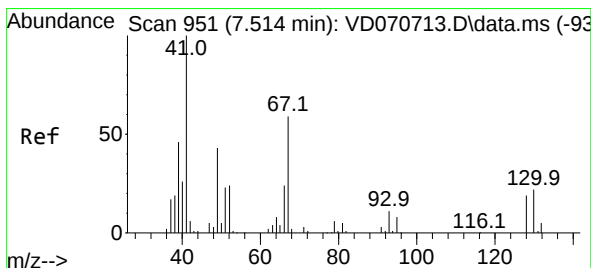
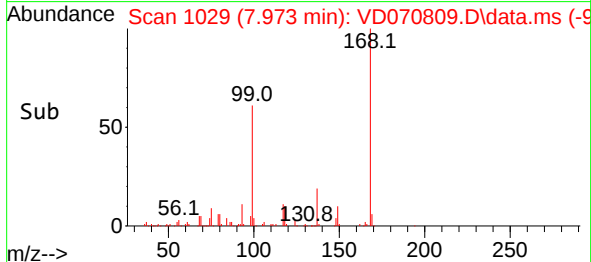
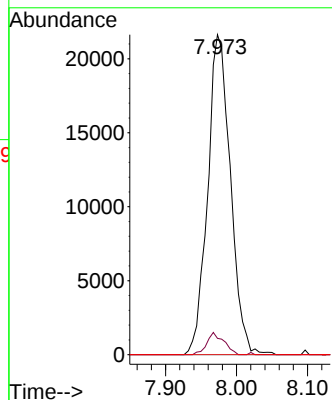
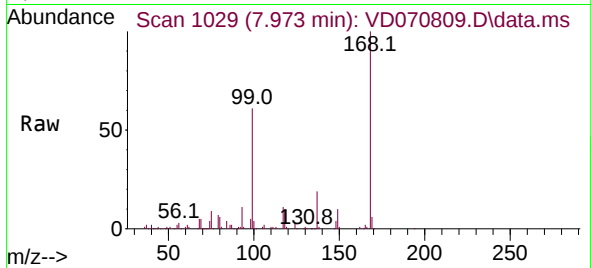




#38
Carbon Tetrachloride
Concen: 5.619 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD070809.D
Acq: 21 Oct 2021 19:13

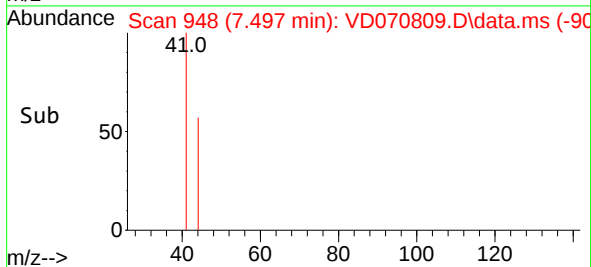
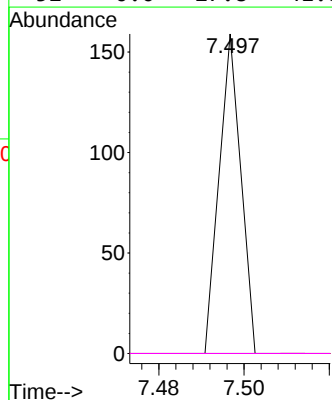
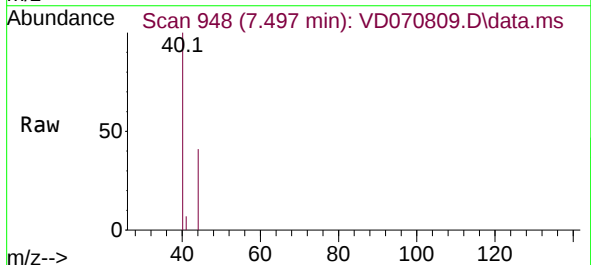
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ClientSampled :

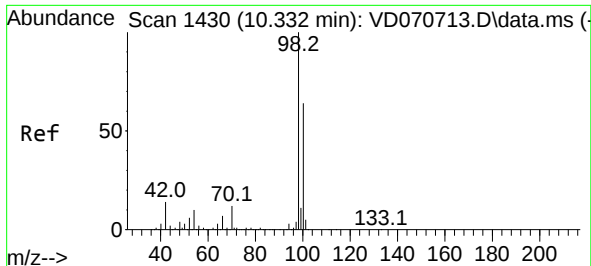
Tgt Ion:117 Resp: 48240
Ion Ratio Lower Upper
117 100
119 5.1 77.4 116.0#
121 0.0 25.4 38.0#



#41
Methacrylonitrile
Concen: 1.966 ug/l
RT: 7.497 min Scan# 948
Delta R.T. -0.017 min
Lab File: VD070809.D
Acq: 21 Oct 2021 19:13

Tgt Ion: 41 Resp: 56
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#

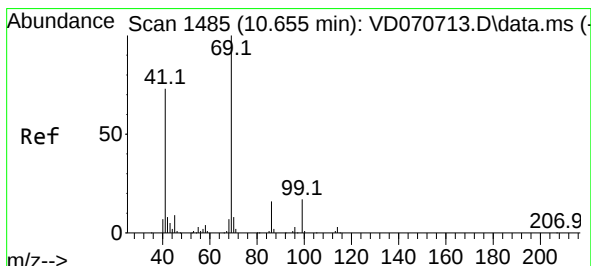
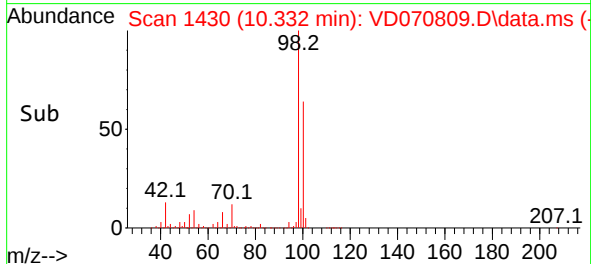
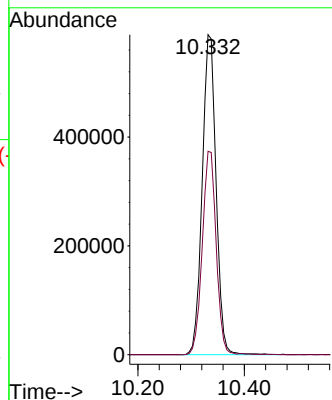
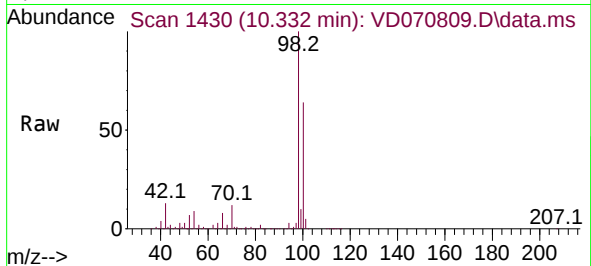




#50
Toluene-d8
Concen: 53.628 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070809.D
Acq: 21 Oct 2021 19:13

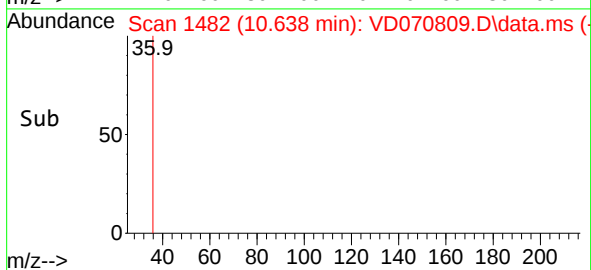
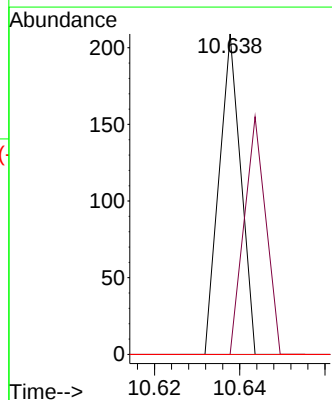
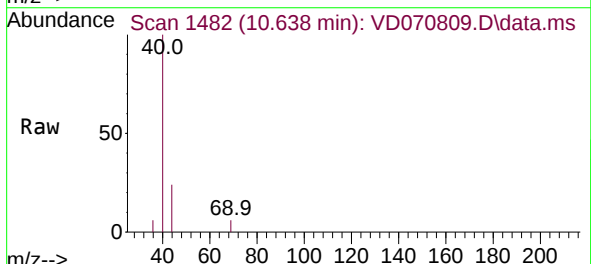
Instrument :
MSVOA_D
ClientSampled :

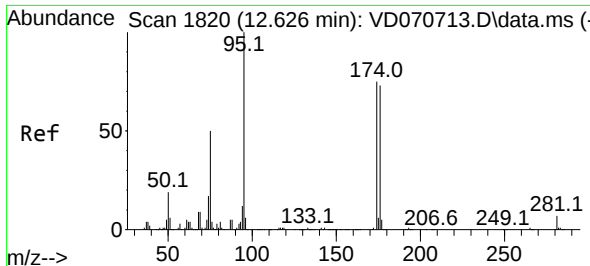
Tgt Ion: 98 Resp: 1059027
Ion Ratio Lower Upper
98 100
100 64.0 52.2 78.4



#56
Ethyl methacrylate
Concen: 4.167 ug/l
RT: 10.638 min Scan# 1482
Delta R.T. -0.017 min
Lab File: VD070809.D
Acq: 21 Oct 2021 19:13

Tgt Ion: 69 Resp: 74
Ion Ratio Lower Upper
69 100
41 74.3 44.7 67.1#
39 0.0 19.5 29.3#

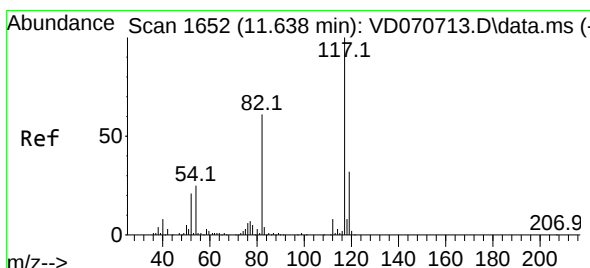
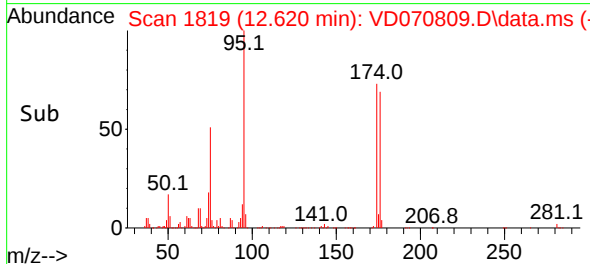
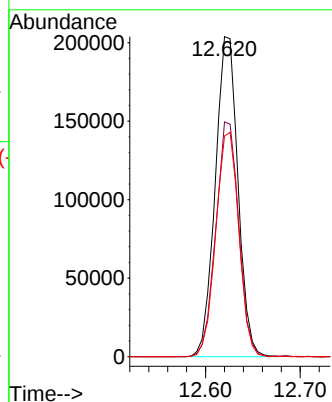
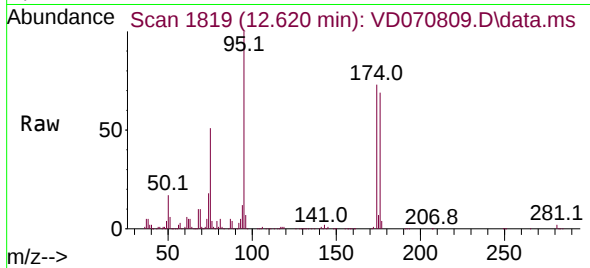




#62
4-Bromofluorobenzene
Concen: 50.022 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070809.D
Acq: 21 Oct 2021 19:13

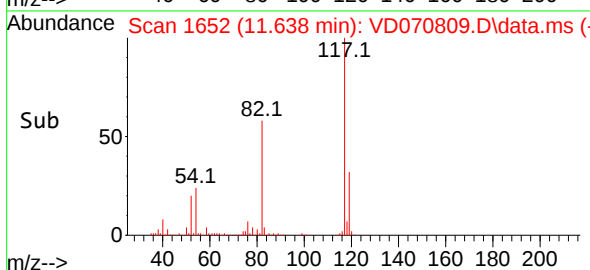
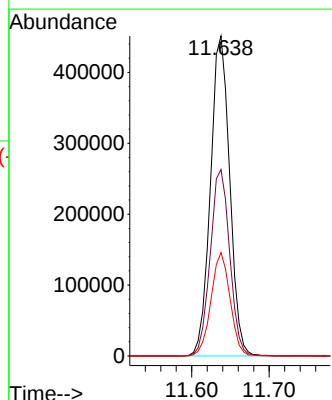
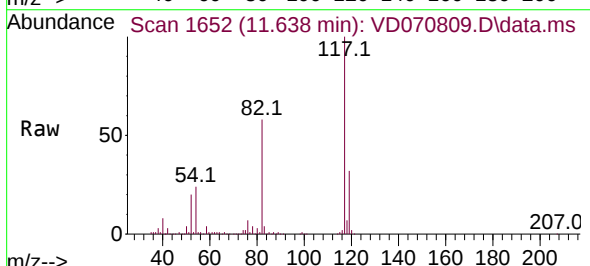
Instrument :
MSVOA_D
ClientSampleId :

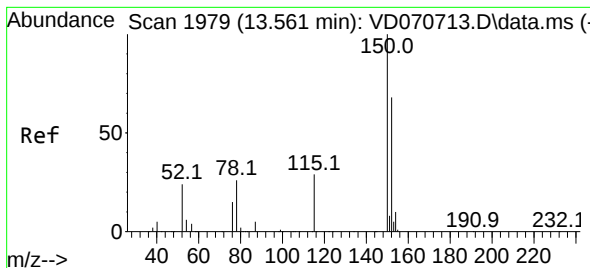
Tgt Ion: 95 Resp: 340133
Ion Ratio Lower Upper
95 100
174 74.0 0.0 138.0
176 71.0 0.0 135.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070809.D
Acq: 21 Oct 2021 19:13

Tgt Ion: 117 Resp: 778691
Ion Ratio Lower Upper
117 100
82 58.2 45.4 68.2
119 32.3 24.7 37.1

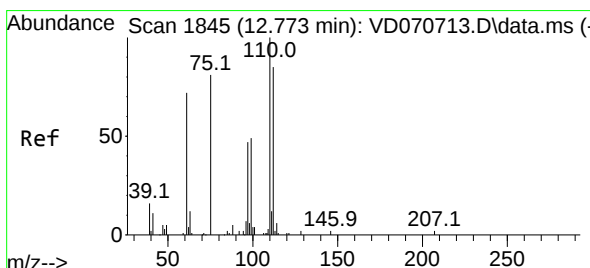
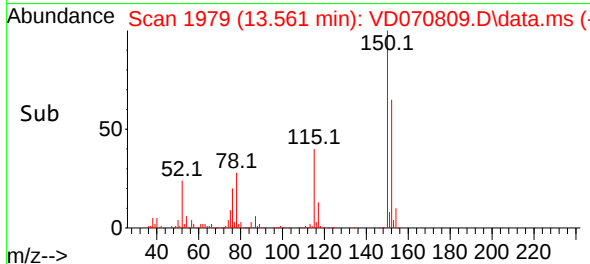
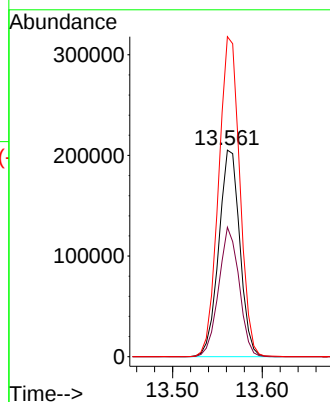
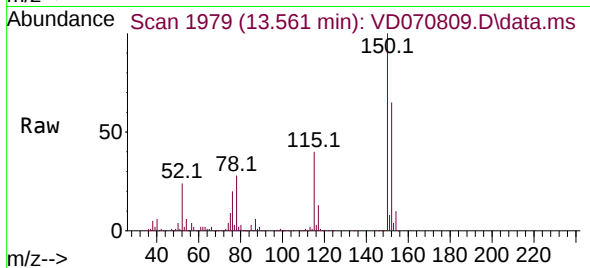




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD070809.D
 Acq: 21 Oct 2021 19:13

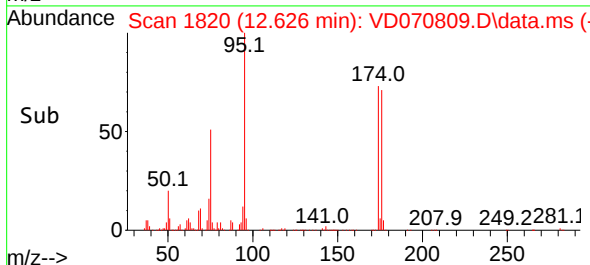
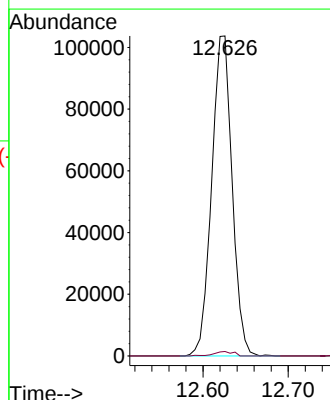
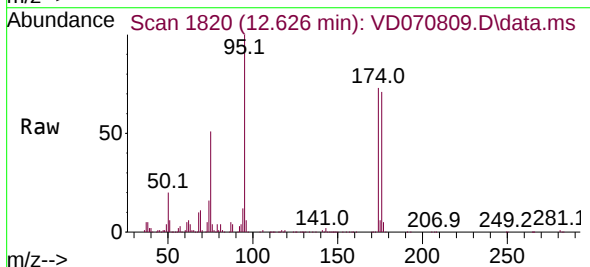
Instrument :
 MSVOA_D
 ClientSampled :

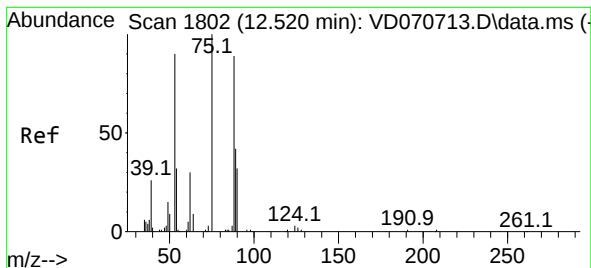
Tgt Ion:152 Resp: 334348
 Ion Ratio Lower Upper
 152 100
 115 60.7 31.9 95.7
 150 156.0 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 59.895 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD070809.D
 Acq: 21 Oct 2021 19:13

Tgt Ion: 75 Resp: 173015
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

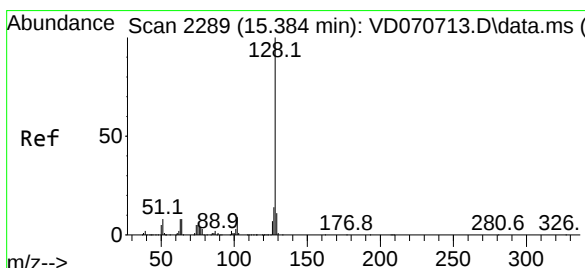
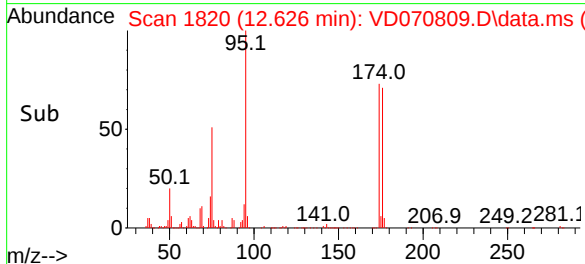
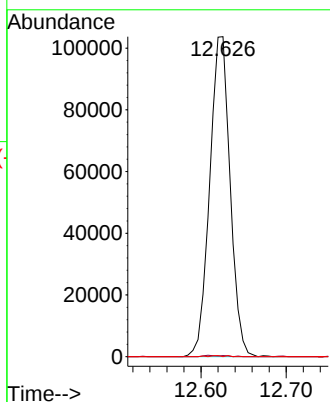
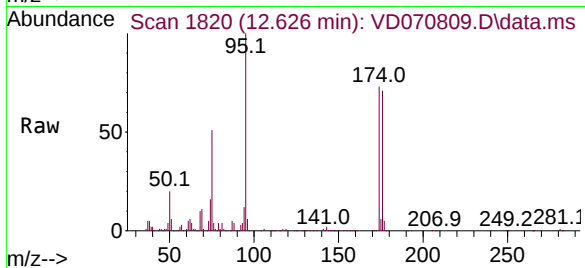




#81
trans-1,4-Dichloro-2-butene
Concen: 131.189 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070809.D
Acq: 21 Oct 2021 19:13

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 173015
Ion Ratio Lower Upper
75 100
53 0.4 64.5 96.7#
89 0.2 35.3 52.9#



#95
Naphthalene
Concen: 4.840 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.011 min
Lab File: VD070809.D
Acq: 21 Oct 2021 19:13

Tgt Ion: 128 Resp: 566
Ion Ratio Lower Upper
128 100
127 14.1 10.9 16.3
129 0.0 8.6 12.8#

