

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102121\
 Data File : VD070803.D
 Acq On : 21 Oct 2021 16:15
 Operator : VA/SY
 Sample : M4297-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 22 06:15:54 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)

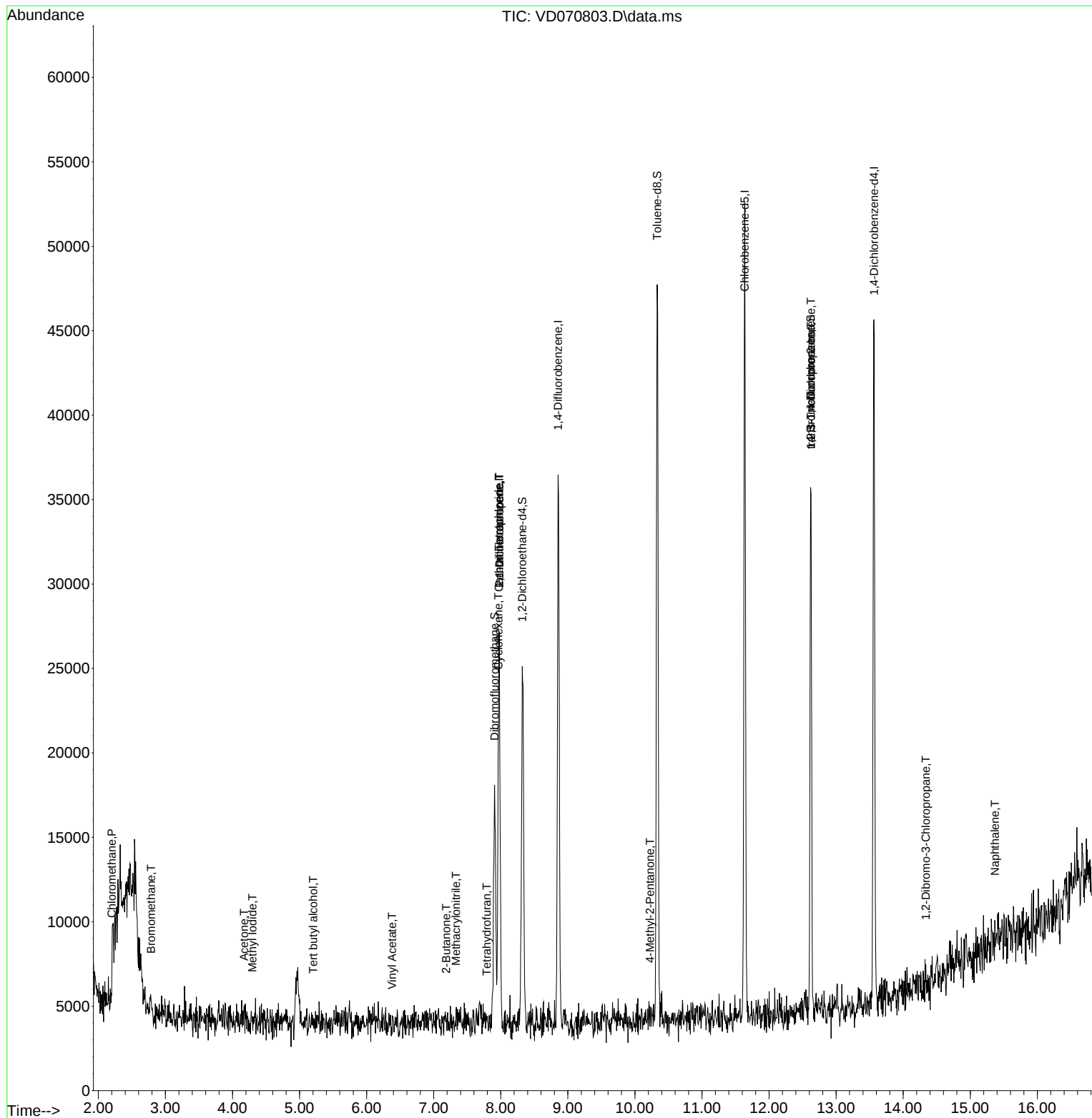
Internal Standards						
1) Pentafluorobenzene	7.979	168	16305	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	25268	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	26536	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	10558	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	17145	88.778	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 177.560%#	
35) Dibromofluoromethane	7.908	113	8918	55.120	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.240%	
50) Toluene-d8	10.332	98	32083	51.730	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.460%	
62) 4-Bromofluorobenzene	12.620	95	10983	51.429	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 102.860%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.203	50	498	1.761	ug/l	89
5) Bromomethane	2.785	94	731	4.136	ug/l	84
10) Methyl Iodide	4.297	142	114	3.843	ug/l #	38
11) Tert butyl alcohol	5.203	59	56	5.180	ug/l #	83
16) Acetone	4.173	43	567	12.173	ug/l #	40
20) Methylene Chloride	4.956	84	1473	Below Cal	#	71
23) Vinyl Acetate	6.379	43	61	16.494	ug/l #	69
25) 2-Butanone	7.185	43	72	1.251	ug/l #	43
29) Tetrahydrofuran	7.791	42	109	3.094	ug/l #	29
31) Cyclohexane	7.967	56	499	1.277	ug/l #	72
36) 1,1-Dichloropropene	7.979	75	1583	5.624	ug/l #	42
38) Carbon Tetrachloride	7.973	117	1629	6.042	ug/l #	12
41) Methacrylonitrile	7.332	41	54	2.649	ug/l #	16
51) 4-Methyl-2-Pentanone	10.226	43	317	2.704	ug/l #	32
76) 1,2,3-Trichloropropane	12.626	75	5087	55.768	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	5087	122.150	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.338	75	76	3.202	ug/l #	6
95) Naphthalene	15.367	128	150	5.189	ug/l #	69

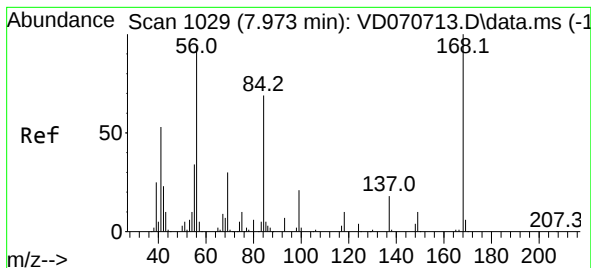
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102121\
Data File : VD070803.D
Acq On : 21 Oct 2021 16:15
Operator : VA/SY
Sample : M4297-01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Oct 22 06:15:54 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

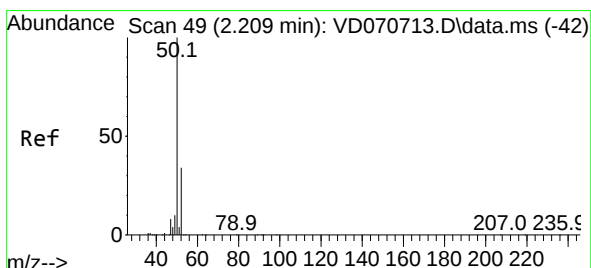
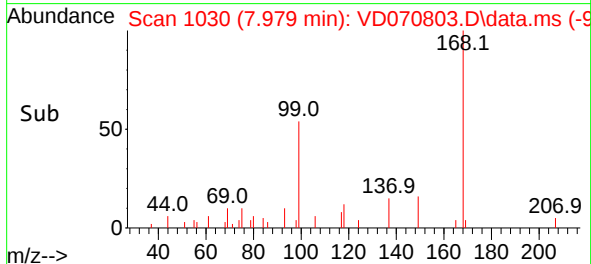
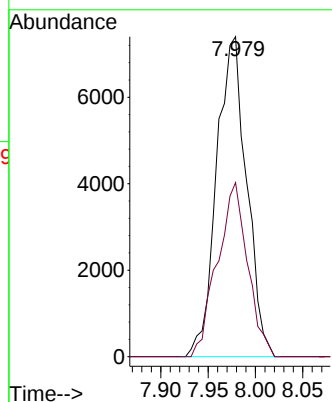
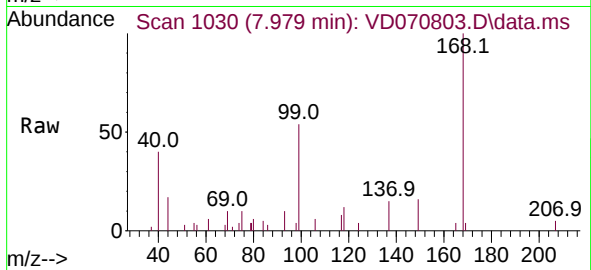




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD070803.D
Acq: 21 Oct 2021 16:15

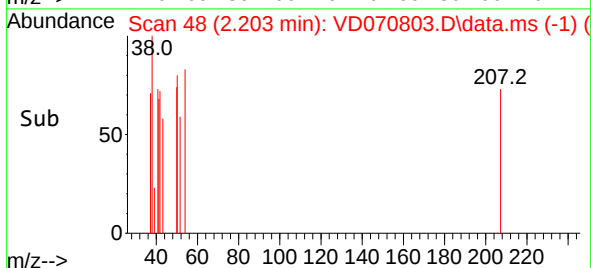
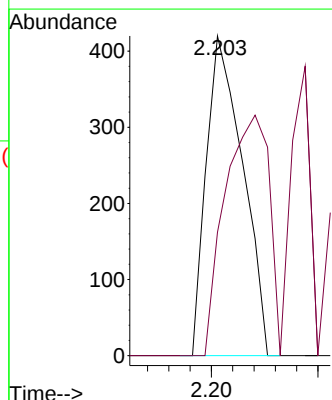
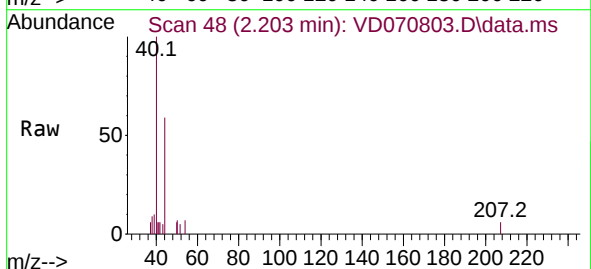
Instrument :
MSVOA_D
ClientSampled :

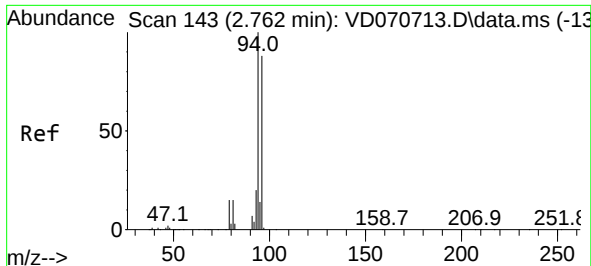
Tgt Ion:168 Resp: 16305
Ion Ratio Lower Upper
168 100
99 54.4 51.4 77.0



#3
Chloromethane
Concen: 1.761 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD070803.D
Acq: 21 Oct 2021 16:15

Tgt Ion: 50 Resp: 498
Ion Ratio Lower Upper
50 100
52 38.6 26.0 39.0

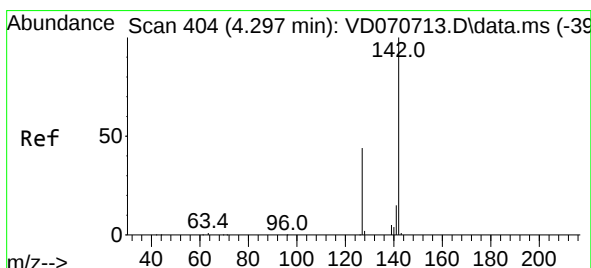
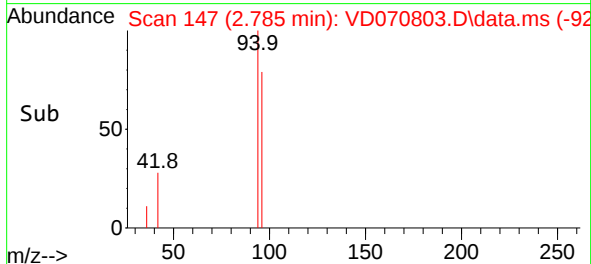
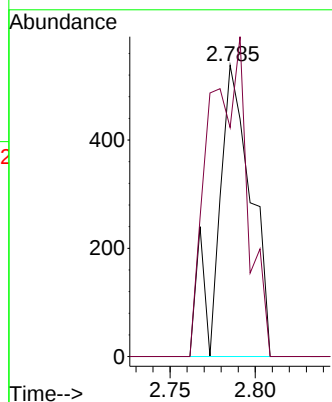
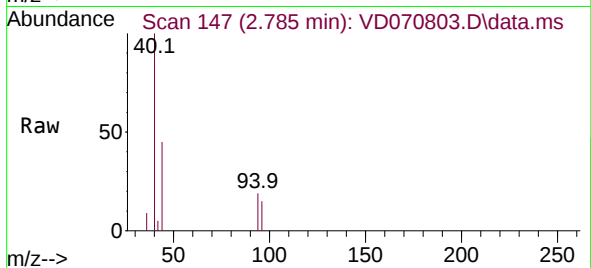




#5
Bromomethane
Concen: 4.136 ug/l
RT: 2.785 min Scan# 147
Delta R.T. 0.024 min
Lab File: VD070803.D
Acq: 21 Oct 2021 16:15

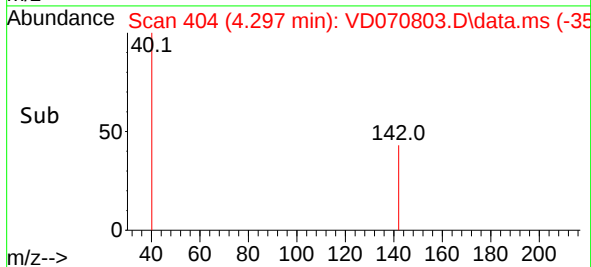
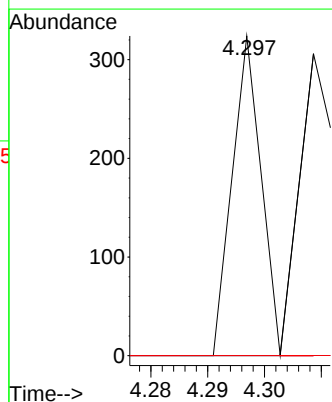
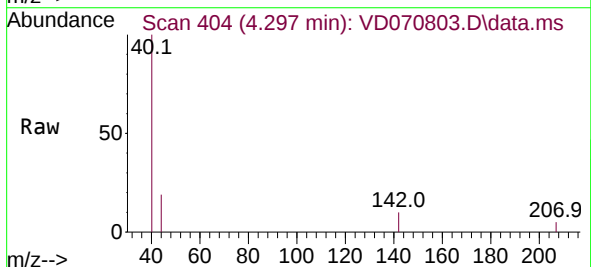
Instrument :
MSVOA_D
ClientSampled :

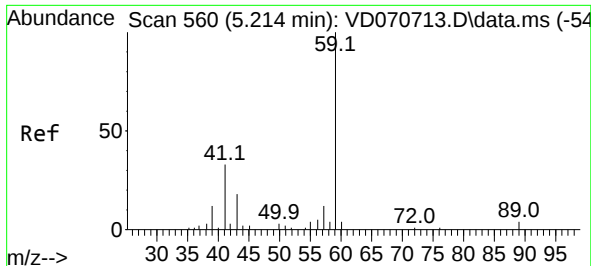
Tgt Ion: 94 Resp: 731
Ion Ratio Lower Upper
94 100
96 78.6 75.5 113.3



#10
Methyl Iodide
Concen: 3.843 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD070803.D
Acq: 21 Oct 2021 16:15

Tgt Ion:142 Resp: 114
Ion Ratio Lower Upper
142 100
127 0.0 37.5 56.3#
141 0.0 12.1 18.1#

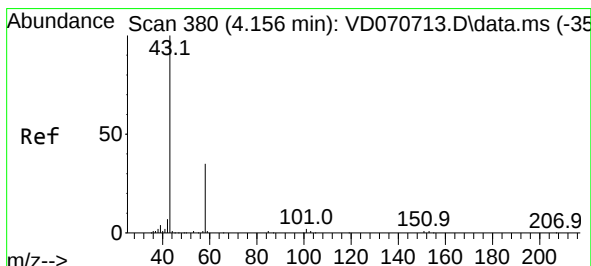
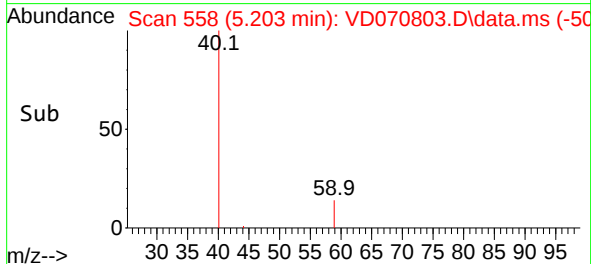
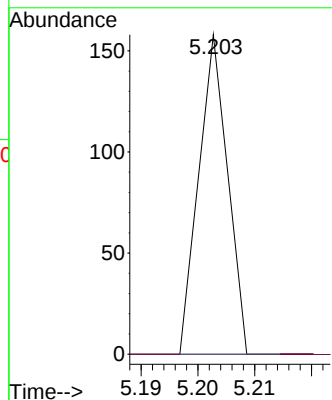
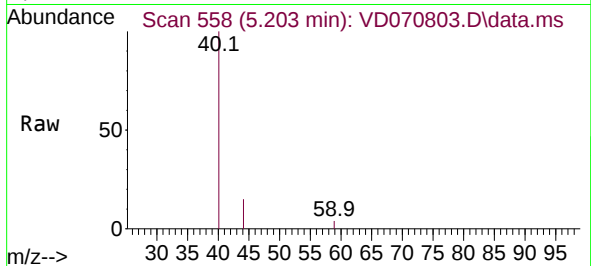




#11
Tert butyl alcohol
Concen: 5.180 ug/l
RT: 5.203 min Scan# 558
Delta R.T. -0.012 min
Lab File: VD070803.D
Acq: 21 Oct 2021 16:15

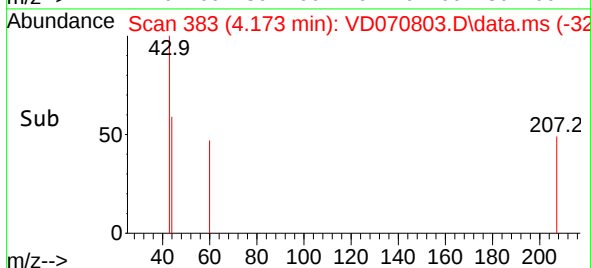
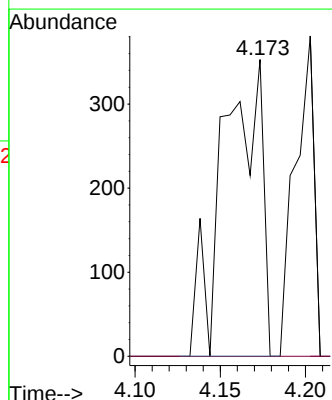
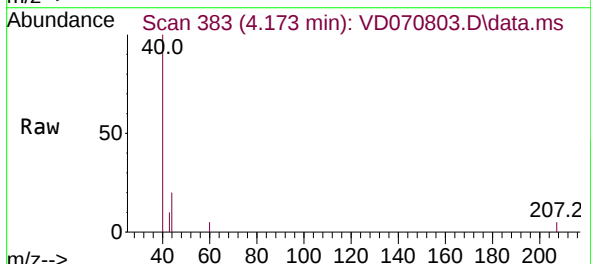
Instrument :
MSVOA_D
ClientSampled :

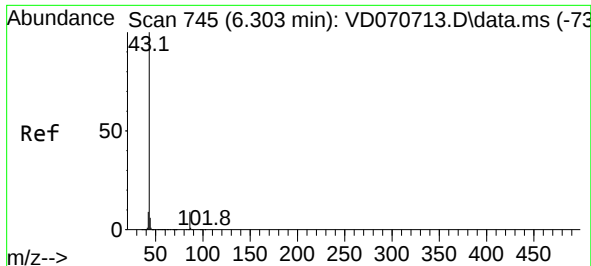
Tgt Ion: 59 Resp: 56
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#



#16
Acetone
Concen: 12.173 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.018 min
Lab File: VD070803.D
Acq: 21 Oct 2021 16:15

Tgt Ion: 43 Resp: 567
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.2#

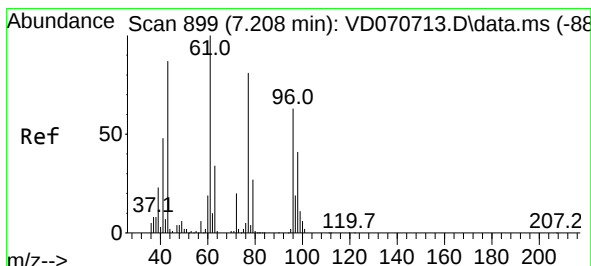
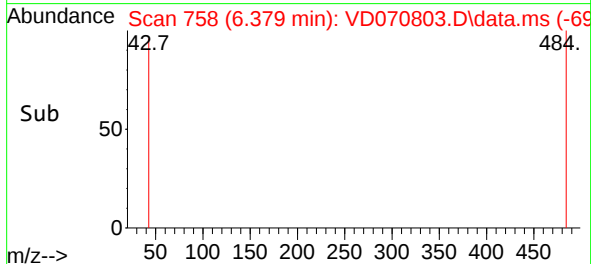
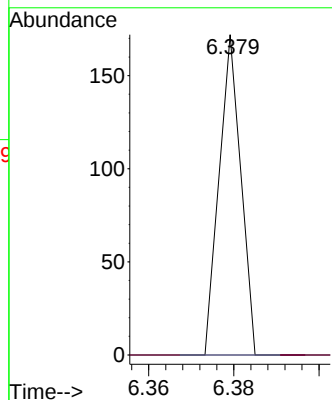
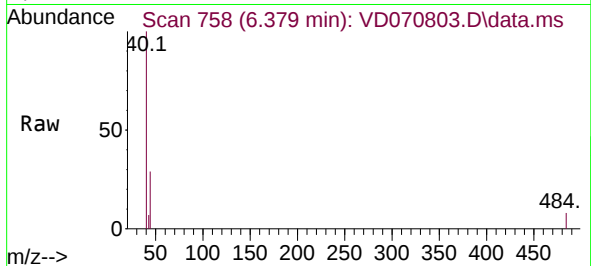




#23
 Vinyl Acetate
 Concen: 16.494 ug/l
 RT: 6.379 min Scan# 758
 Delta R.T. 0.076 min
 Lab File: VD070803.D
 Acq: 21 Oct 2021 16:15

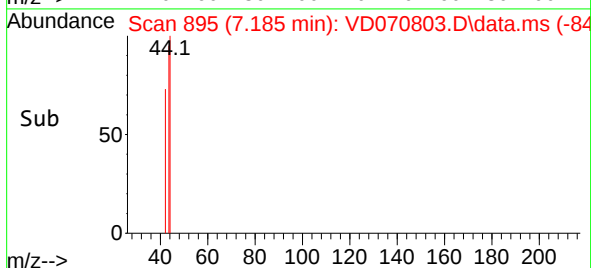
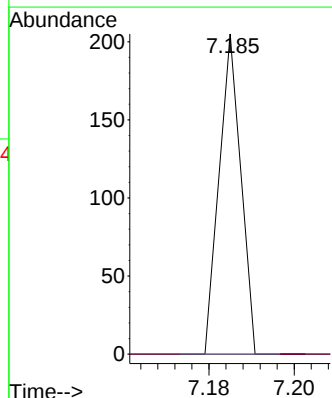
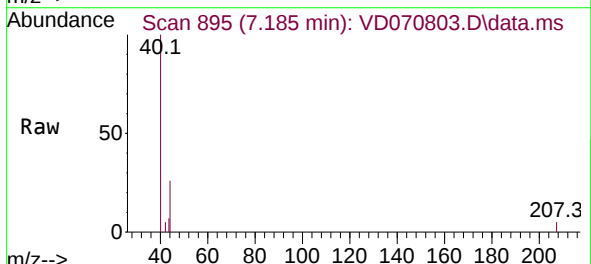
Instrument :
 MSVOA_D
 ClientSampled :

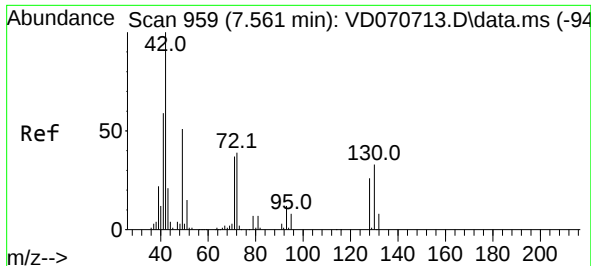
Tgt Ion: 43 Resp: 61
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.8 14.6#



#25
 2-Butanone
 Concen: 1.251 ug/l
 RT: 7.185 min Scan# 895
 Delta R.T. -0.023 min
 Lab File: VD070803.D
 Acq: 21 Oct 2021 16:15

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





#29

Tetrahydrofuran

Concen: 3.094 ug/l

RT: 7.791 min Scan# 998

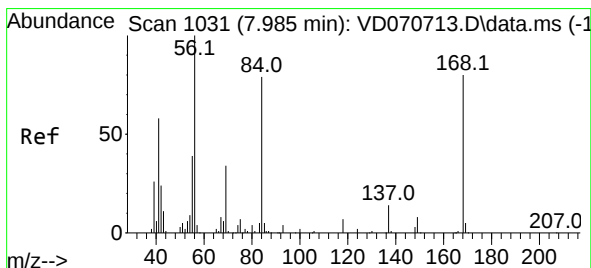
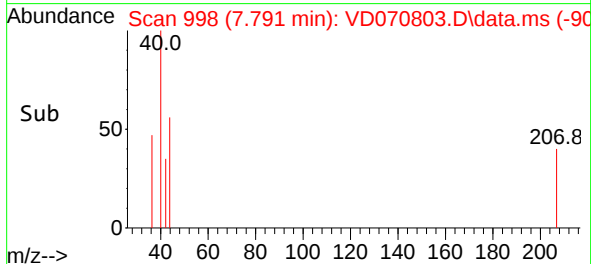
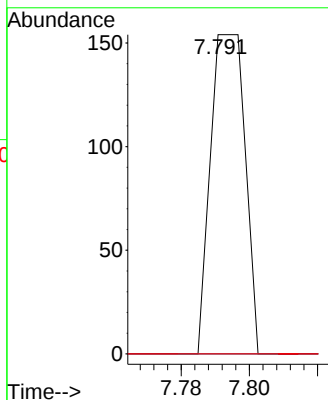
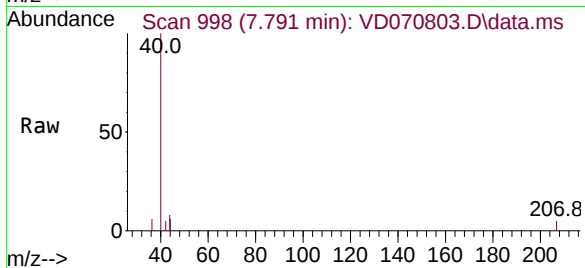
Delta R.T. 0.229 min

Lab File: VD070803.D

Acq: 21 Oct 2021 16:15

Tgt Ion:	42	Resp:	109
Ion	Ratio	Lower	Upper
42	100		
72	0.0	40.2	60.4#
71	0.0	37.2	55.8#

Instrument :
MSVOA_D
ClientSampled :



#31

Cyclohexane

Concen: 1.277 ug/l

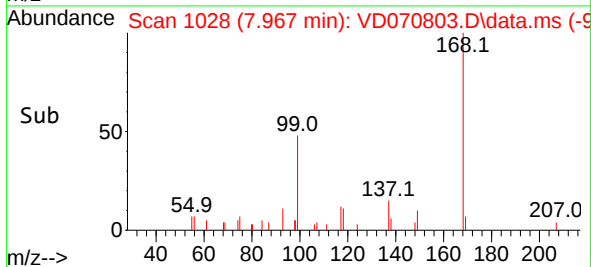
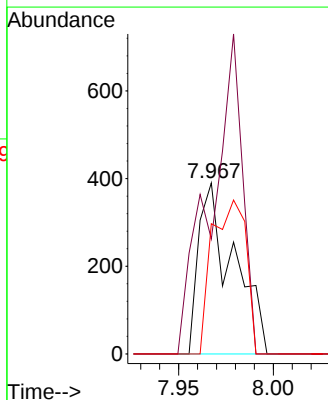
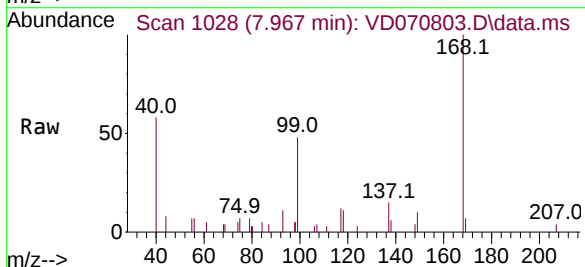
RT: 7.967 min Scan# 1028

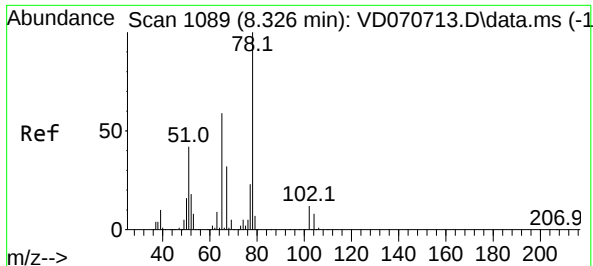
Delta R.T. -0.018 min

Lab File: VD070803.D

Acq: 21 Oct 2021 16:15

Tgt Ion:	56	Resp:	499
Ion	Ratio	Lower	Upper
56	100		
69	67.2	27.4	41.2#
84	76.2	73.6	110.4

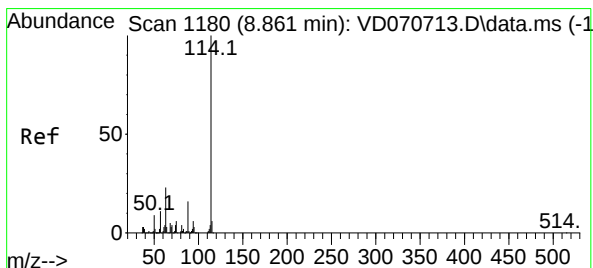
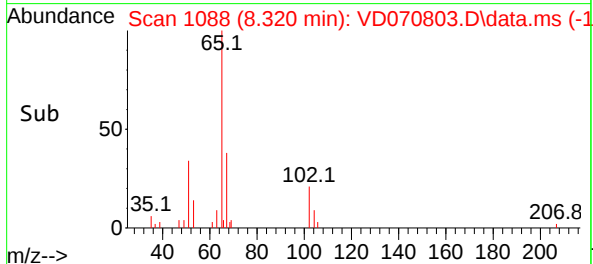
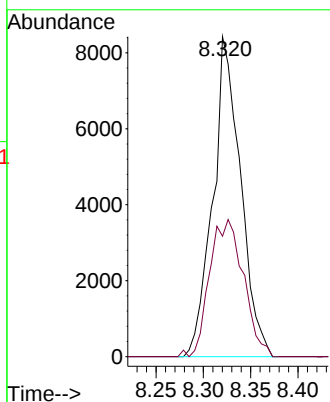
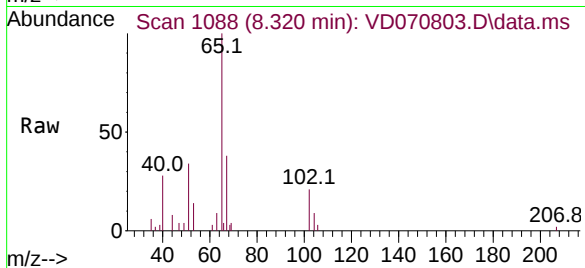




#33
1,2-Dichloroethane-d4
Concen: 88.778 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD070803.D
Acq: 21 Oct 2021 16:15

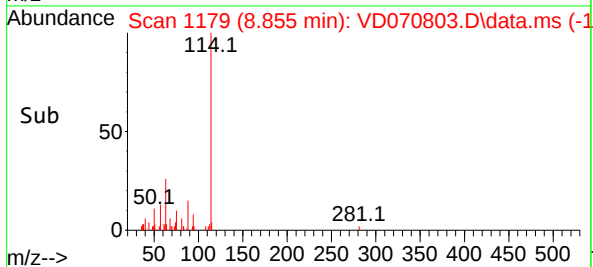
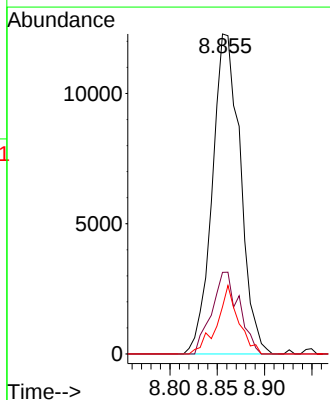
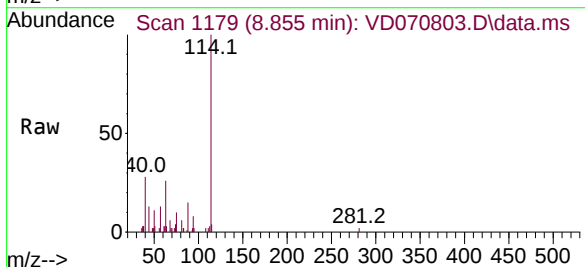
Instrument :
MSVOA_D
ClientSampled :

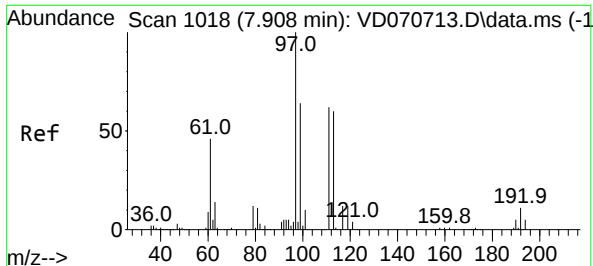
Tgt Ion: 65 Resp: 17145
Ion Ratio Lower Upper
65 100
67 52.5 0.0 110.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1179
Delta R.T. -0.006 min
Lab File: VD070803.D
Acq: 21 Oct 2021 16:15

Tgt Ion: 114 Resp: 25268
Ion Ratio Lower Upper
114 100
63 25.5 0.0 41.8
88 14.7 0.0 32.6

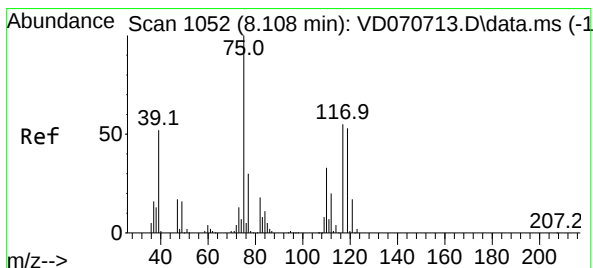
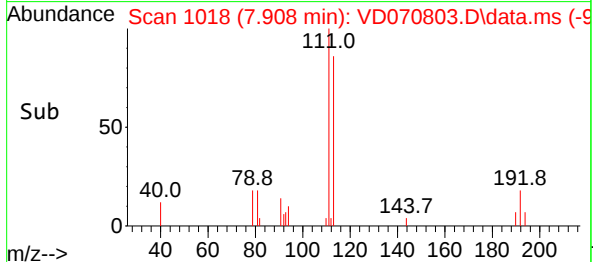
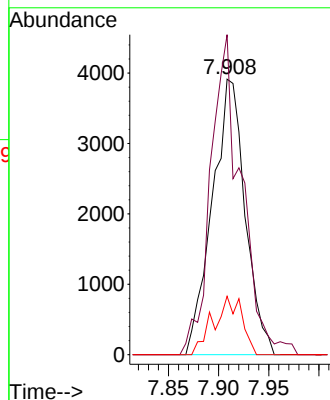
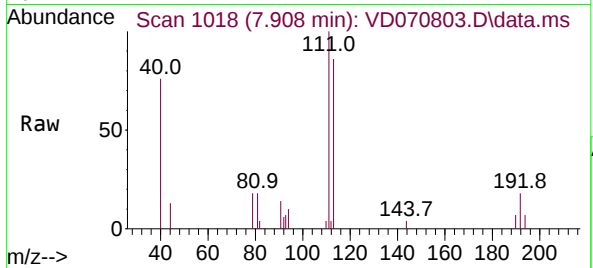




#35
Dibromofluoromethane
Concen: 55.120 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VD070803.D
Acq: 21 Oct 2021 16:15

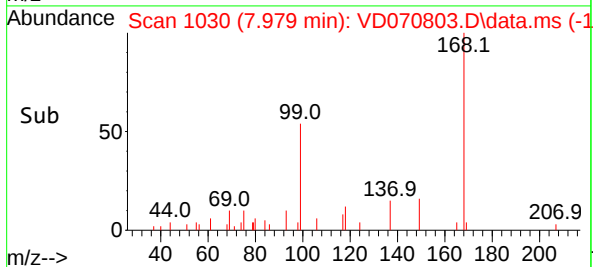
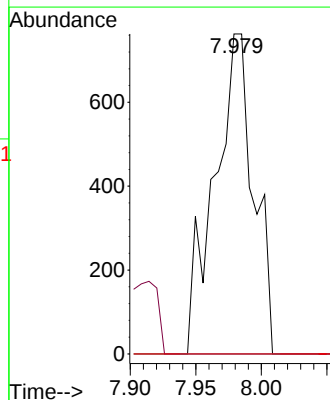
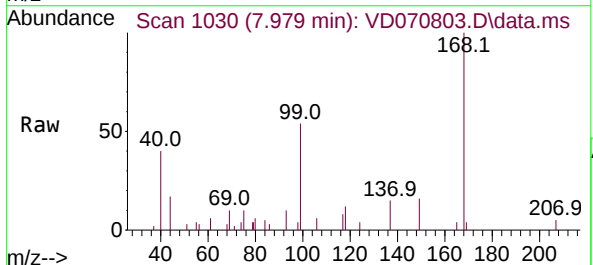
Instrument :
MSVOA_D
ClientSampled :

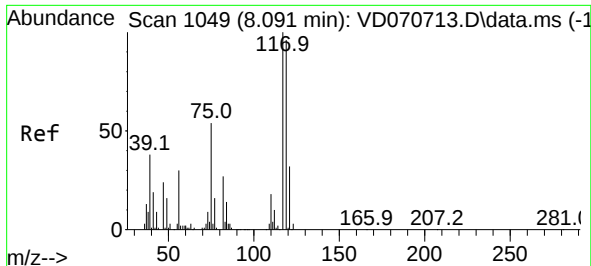
Tgt Ion:	113	Resp:	8918
Ion	Ratio	Lower	Upper
113	100		
111	108.9	83.1	124.7
192	18.3	12.7	19.1



#36
1,1-Dichloropropene
Concen: 5.624 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD070803.D
Acq: 21 Oct 2021 16:15

Tgt Ion:	75	Resp:	1583
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.2	51.6#
77	0.0	24.2	36.4#

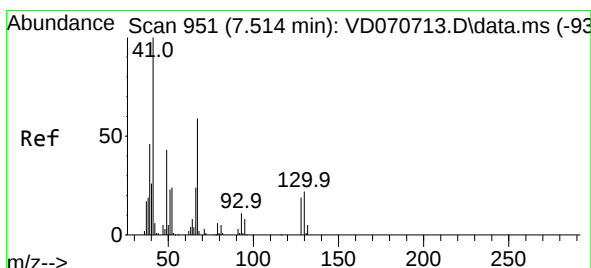
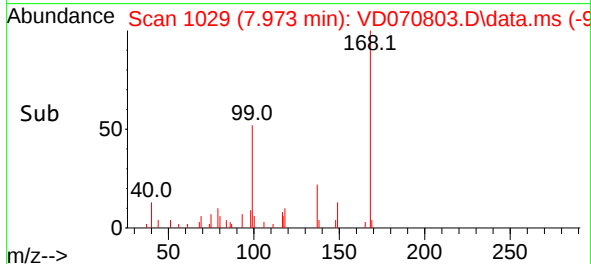
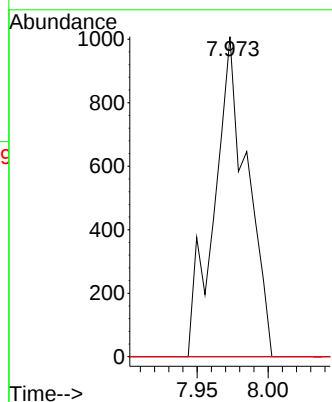
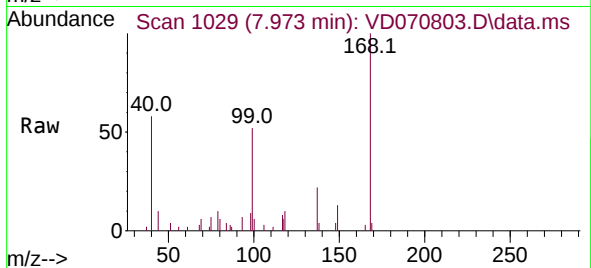




#38
Carbon Tetrachloride
Concen: 6.042 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD070803.D
Acq: 21 Oct 2021 16:15

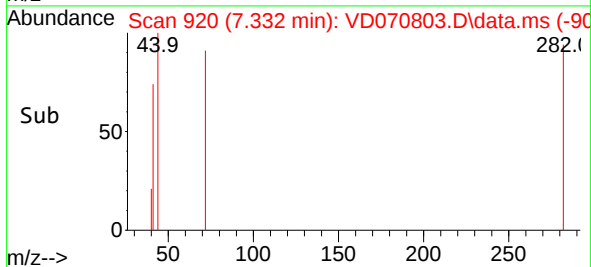
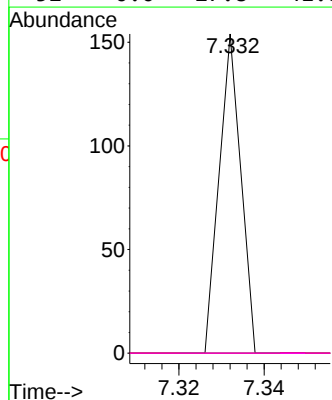
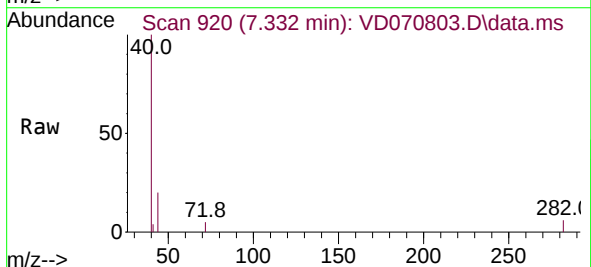
Instrument :
MSVOA_D
ClientSampled :

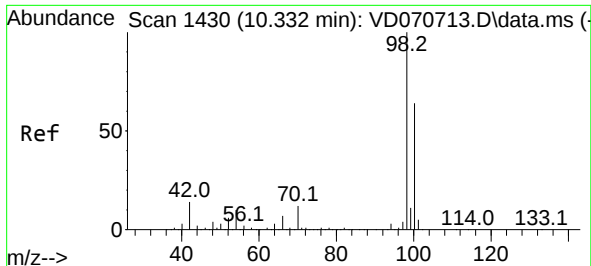
Tgt Ion:117 Resp: 1629
Ion Ratio Lower Upper
117 100
119 0.0 77.4 116.0#
121 0.0 25.4 38.0#



#41
Methacrylonitrile
Concen: 2.649 ug/l
RT: 7.332 min Scan# 920
Delta R.T. -0.182 min
Lab File: VD070803.D
Acq: 21 Oct 2021 16:15

Tgt Ion: 41 Resp: 54
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#

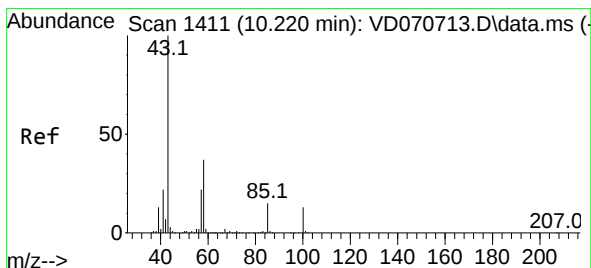
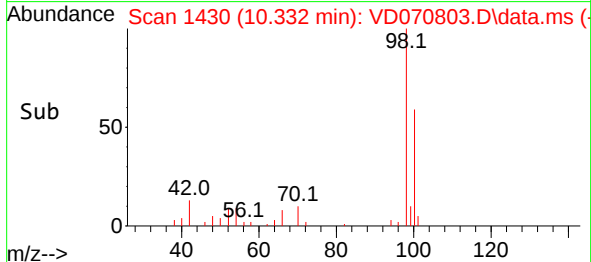
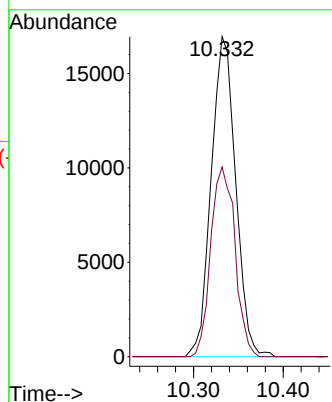
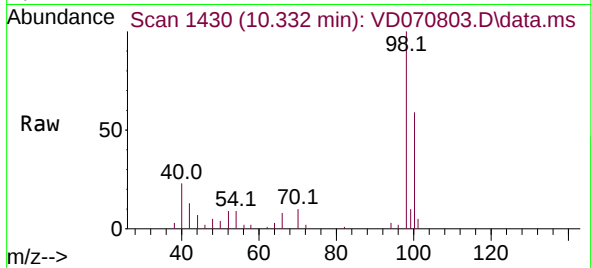




#50
Toluene-d8
Concen: 51.730 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070803.D
Acq: 21 Oct 2021 16:15

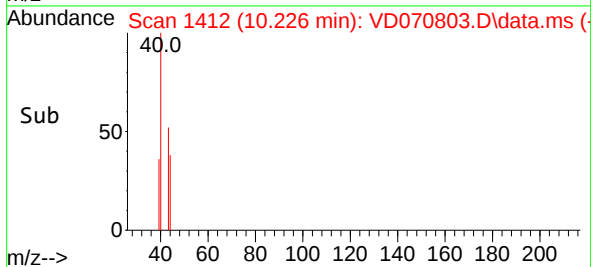
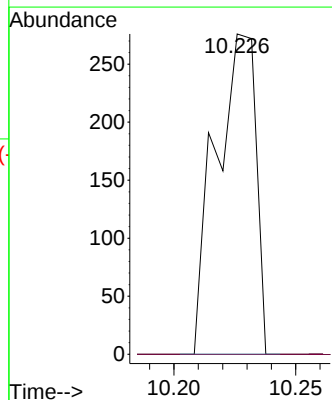
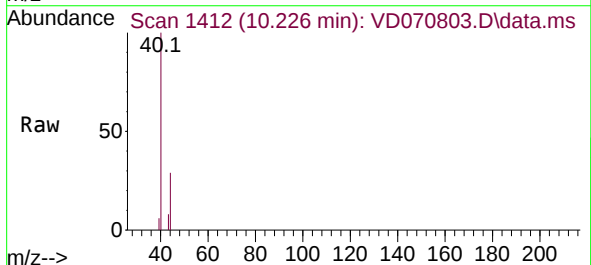
Instrument :
MSVOA_D
ClientSampled :

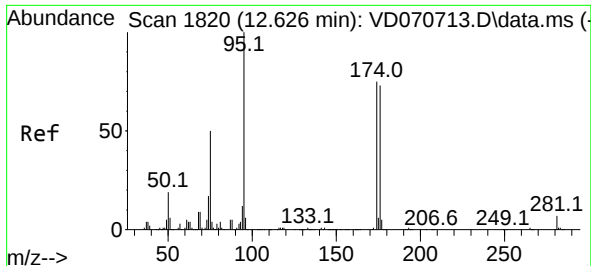
Tgt Ion: 98 Resp: 32083
Ion Ratio Lower Upper
98 100
100 58.6 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 2.704 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.006 min
Lab File: VD070803.D
Acq: 21 Oct 2021 16:15

Tgt Ion: 43 Resp: 317
Ion Ratio Lower Upper
43 100
58 0.0 35.0 52.6#

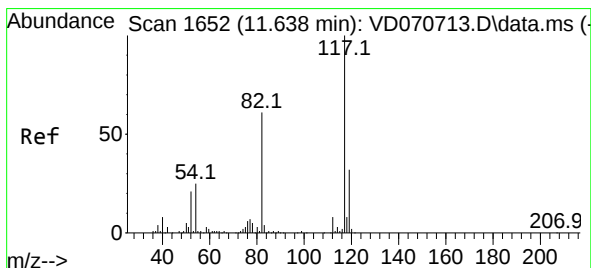
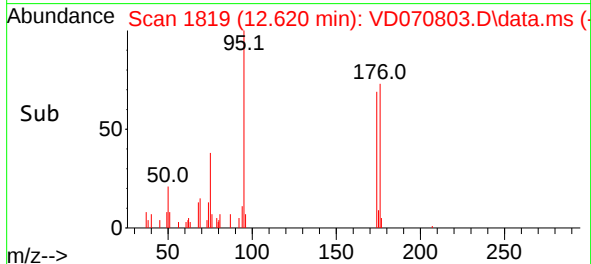
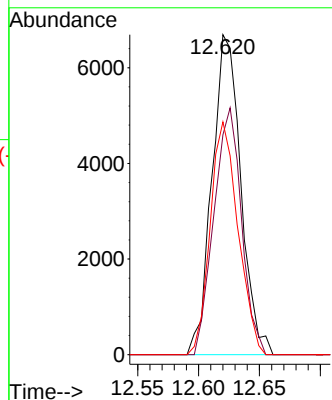
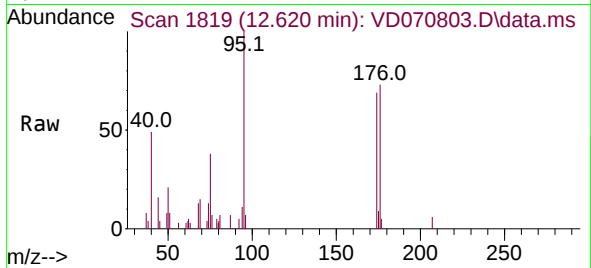




#62
4-Bromofluorobenzene
Concen: 51.429 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070803.D
Acq: 21 Oct 2021 16:15

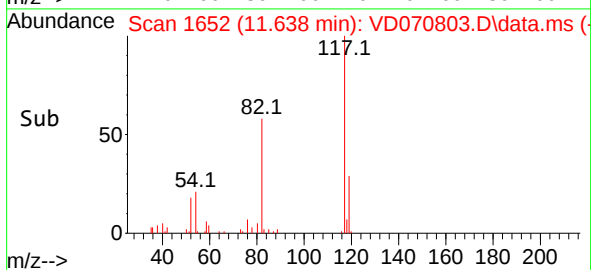
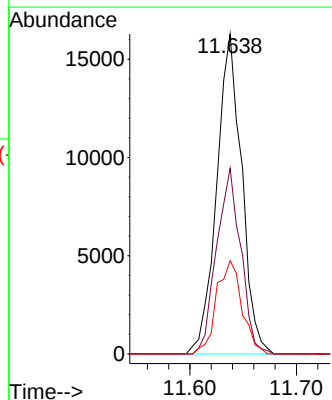
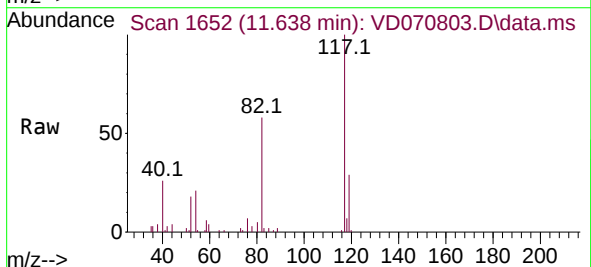
Instrument :
MSVOA_D
ClientSampled :

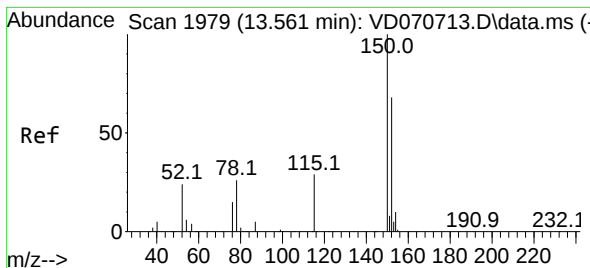
Tgt Ion: 95 Resp: 10983
Ion Ratio Lower Upper
95 100
174 74.0 0.0 138.0
176 70.3 0.0 135.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070803.D
Acq: 21 Oct 2021 16:15

Tgt Ion: 117 Resp: 26536
Ion Ratio Lower Upper
117 100
82 58.0 45.4 68.2
119 29.1 24.7 37.1

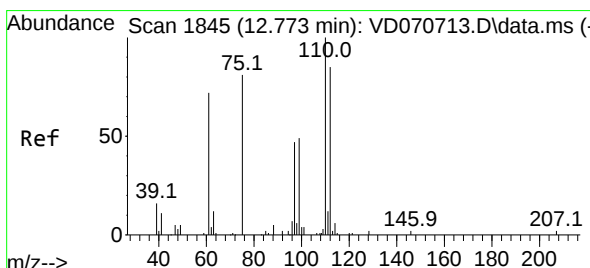
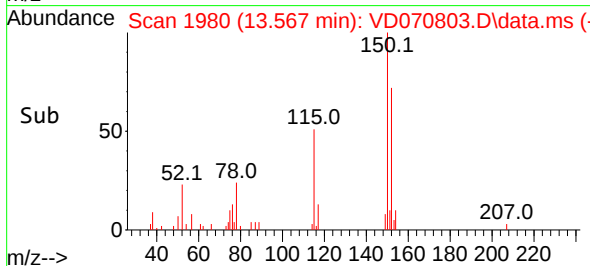
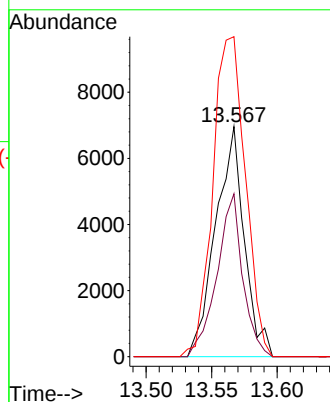
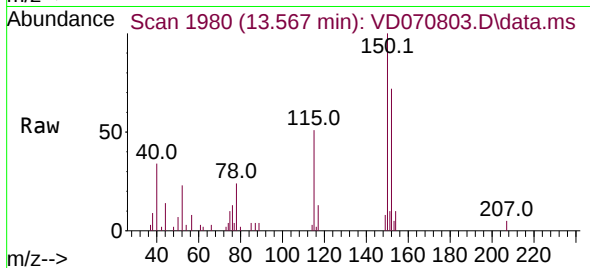




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. 0.006 min
 Lab File: VD070803.D
 Acq: 21 Oct 2021 16:15

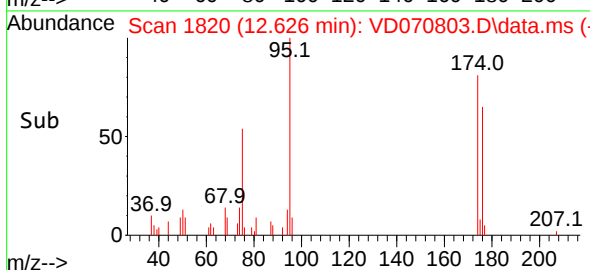
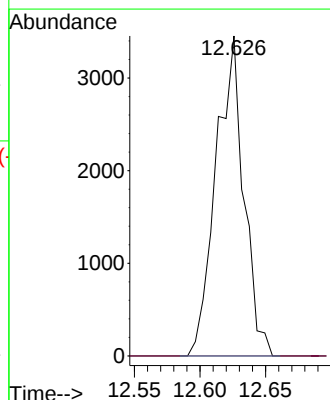
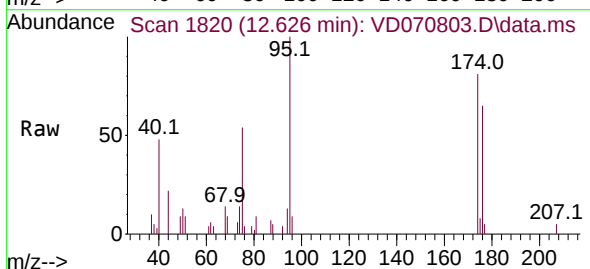
Instrument :
 MSVOA_D
 ClientSampled :

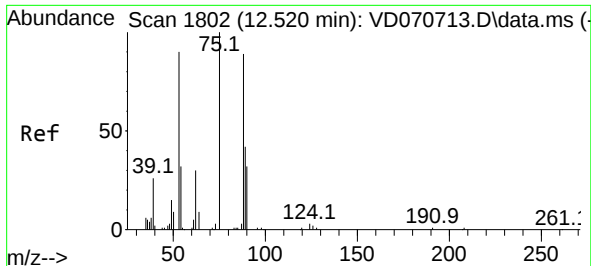
Tgt Ion:152 Resp: 10558
 Ion Ratio Lower Upper
 152 100
 115 63.9 31.9 95.7
 150 158.2 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 55.768 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD070803.D
 Acq: 21 Oct 2021 16:15

Tgt Ion: 75 Resp: 5087
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

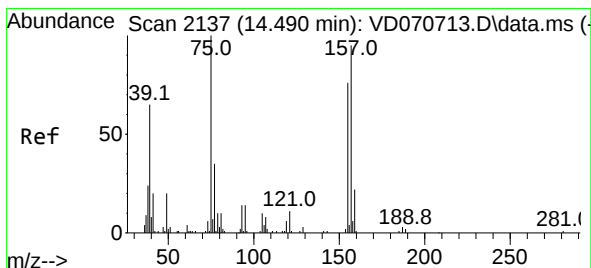
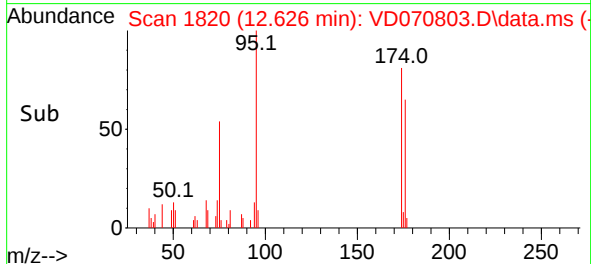
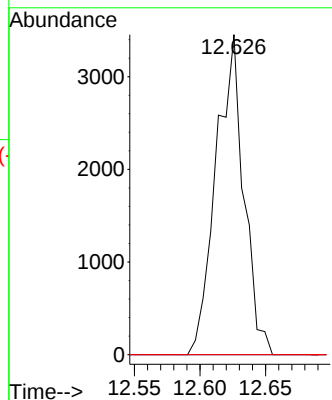
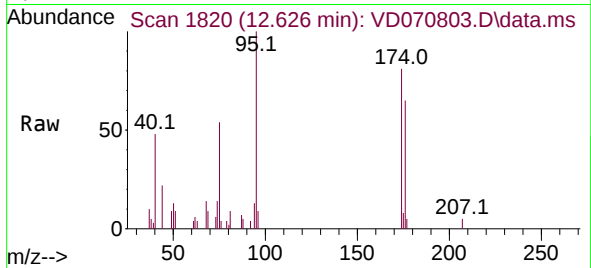




#81
trans-1,4-Dichloro-2-butene
Concen: 122.150 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070803.D
Acq: 21 Oct 2021 16:15

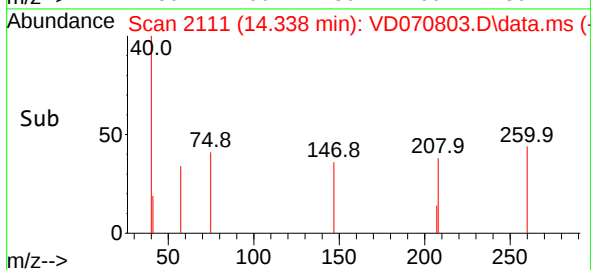
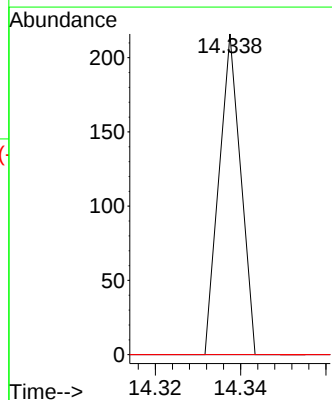
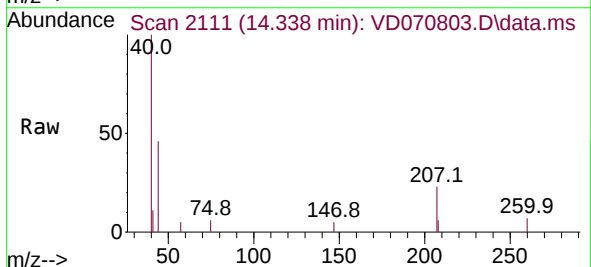
Instrument :
MSVOA_D
ClientSampled :

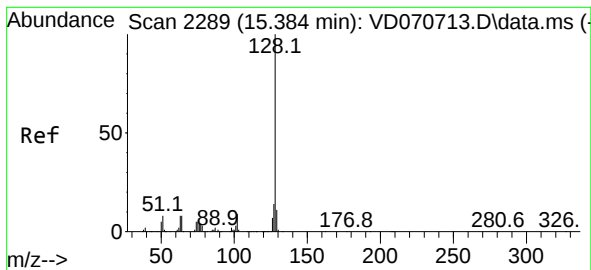
Tgt Ion: 75 Resp: 5087
Ion Ratio Lower Upper
75 100
53 0.0 64.5 96.7#
89 0.0 35.3 52.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 3.202 ug/l
RT: 14.338 min Scan# 2111
Delta R.T. -0.153 min
Lab File: VD070803.D
Acq: 21 Oct 2021 16:15

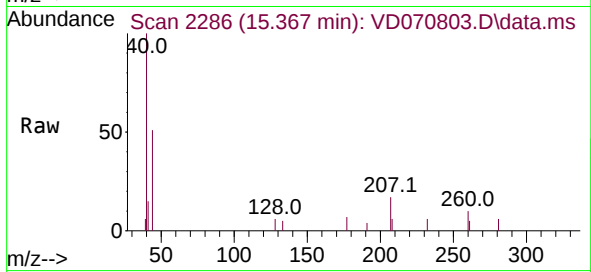
Tgt Ion: 75 Resp: 76
Ion Ratio Lower Upper
75 100
155 0.0 38.1 114.5#
157 0.0 47.6 142.9#





#95
Naphthalene
Concen: 5.189 ug/l
RT: 15.367 min Scan# 2286
Delta R.T. -0.017 min
Lab File: VD070803.D
Acq: 21 Oct 2021 16:15

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 150
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

