

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102221\
 Data File : VD070825.D
 Acq On : 22 Oct 2021 15:16
 Operator : VA/SY
 Sample : M4290-07
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 23 04:11:51 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)

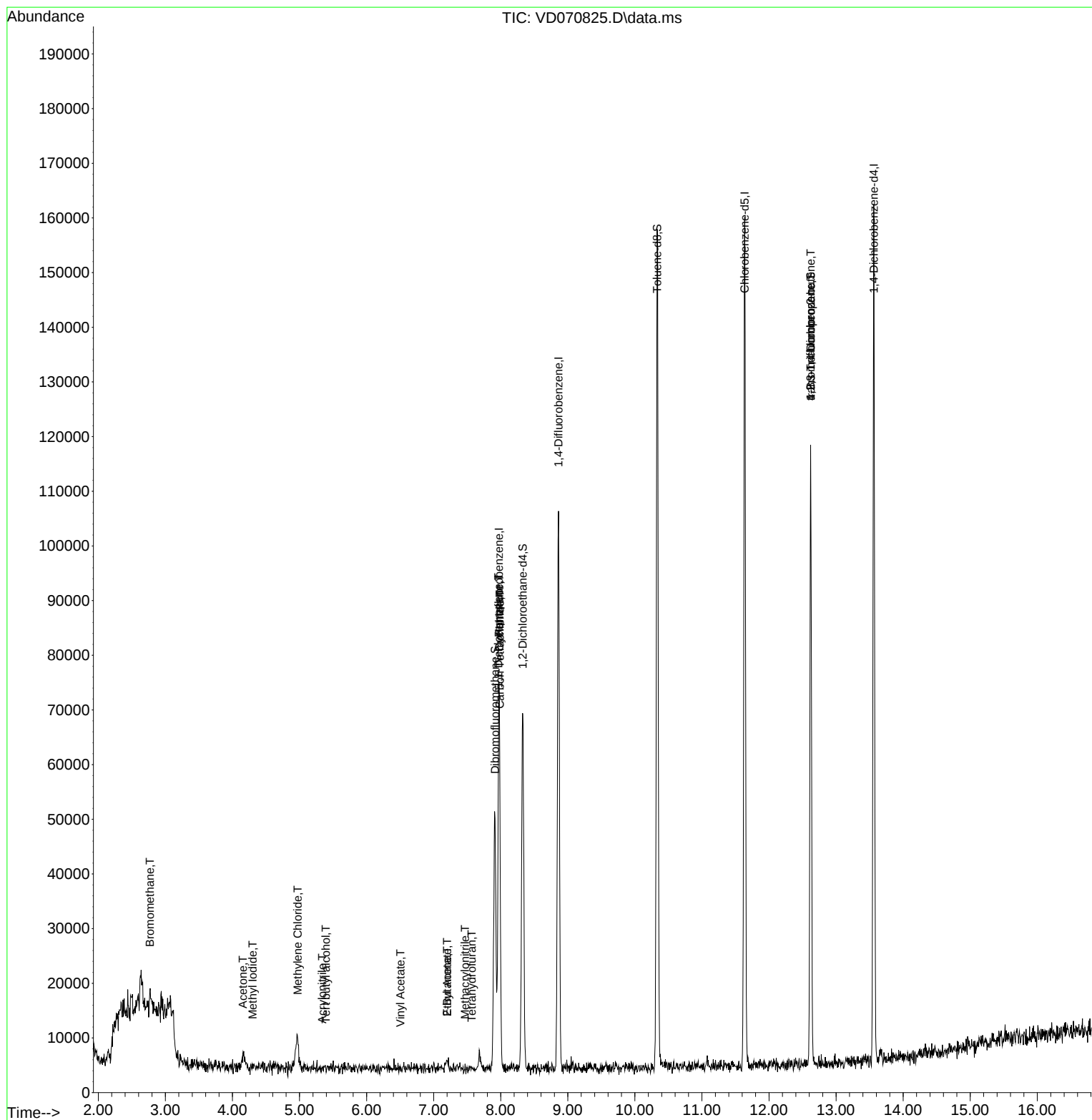
Internal Standards						
1) Pentafluorobenzene	7.973	168	46455	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	80900	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	89414	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	37633	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	52771	95.908	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 191.820%#	
35) Dibromofluoromethane	7.914	113	33581	64.827	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 129.660%	
50) Toluene-d8	10.332	98	105461	53.110	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.220%	
62) 4-Bromofluorobenzene	12.620	95	38139	55.780	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 111.560%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.768	94	619	1.229	ug/l #	64
10) Methyl Iodide	4.303	142	233	3.695	ug/l #	64
11) Tert butyl alcohol	5.391	59	55	1.786	ug/l #	83
15) Acrylonitrile	5.338	53	167	1.275	ug/l #	18
16) Acetone	4.156	43	4801	36.176	ug/l #	78
20) Methylene Chloride	4.973	84	5093	1.282	ug/l #	75
23) Vinyl Acetate	6.503	43	96	16.420	ug/l #	69
25) 2-Butanone	7.203	43	377	2.299	ug/l #	43
29) Tetrahydrofuran	7.567	42	106	1.056	ug/l #	29
31) Cyclohexane	7.979	56	1369	1.230	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	5443	6.039	ug/l #	42
37) Ethyl Acetate	7.203	43	377	1.010	ug/l #	1
38) Carbon Tetrachloride	7.985	117	5892	6.826	ug/l #	12
41) Methacrylonitrile	7.467	41	65	2.209	ug/l #	16
76) 1,2,3-Trichloropropane	12.620	75	18757	57.690	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	18757	126.359	ug/l #	17

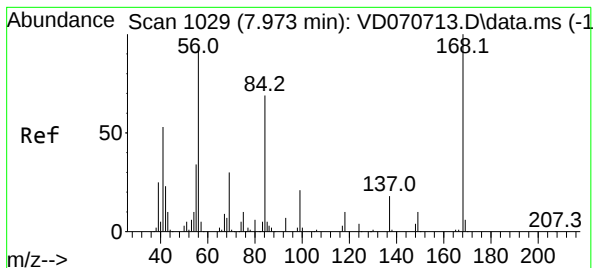
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Oct 18 08:32:03 2021
Response via : Initial Calibration

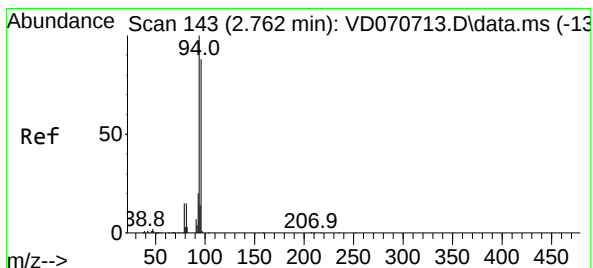
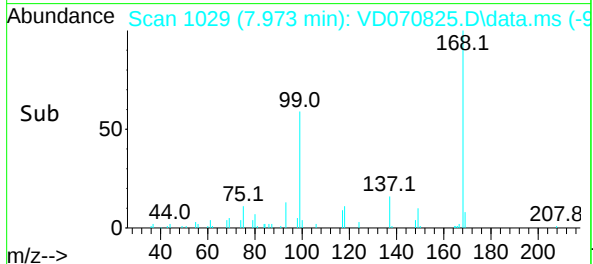
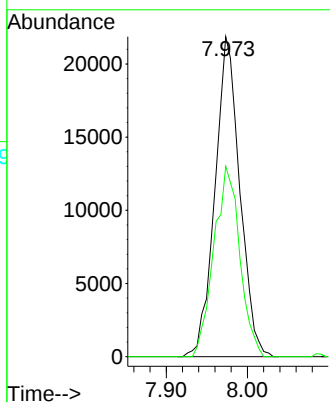
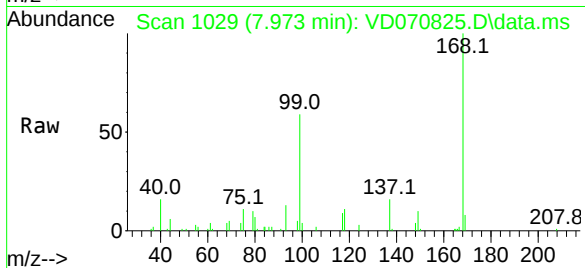




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD070825.D
Acq: 22 Oct 2021 15:16

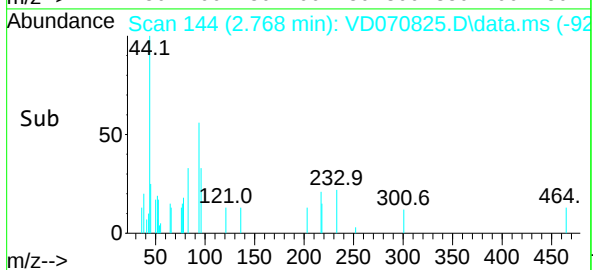
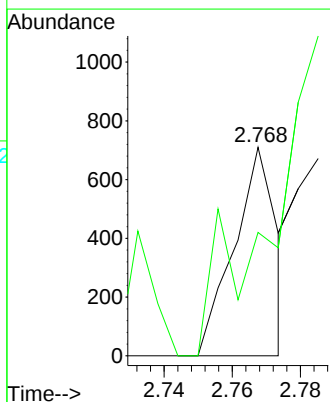
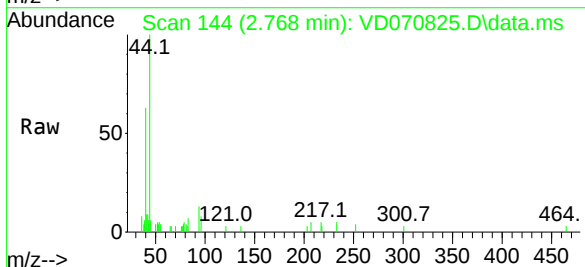
Instrument :
MSVOA_D
ClientSampled :

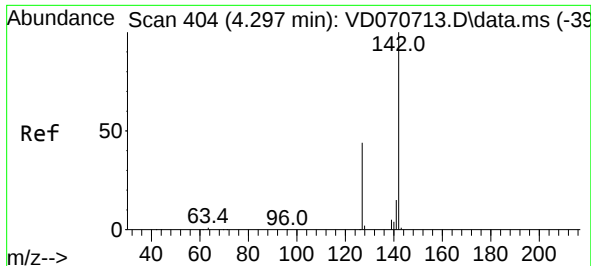
Tgt Ion:168 Resp: 46455
Ion Ratio Lower Upper
168 100
99 59.5 51.4 77.0



#5
Bromomethane
Concen: 1.229 ug/l
RT: 2.768 min Scan# 144
Delta R.T. 0.006 min
Lab File: VD070825.D
Acq: 22 Oct 2021 15:16

Tgt Ion: 94 Resp: 619
Ion Ratio Lower Upper
94 100
96 59.2 75.5 113.3#

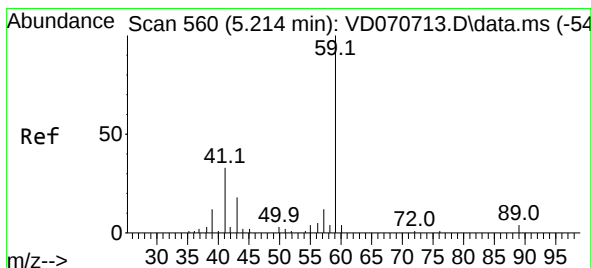
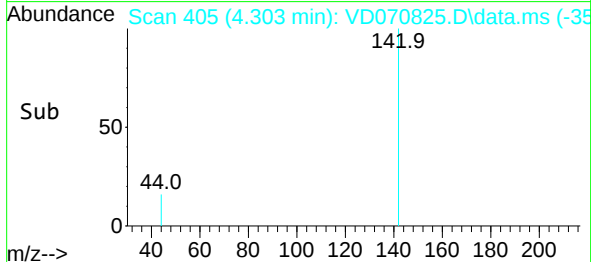
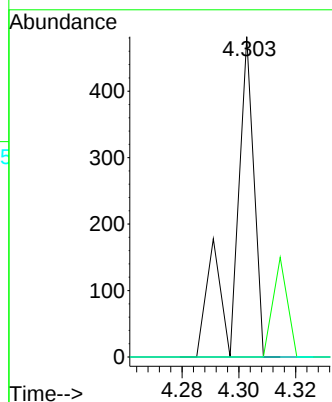
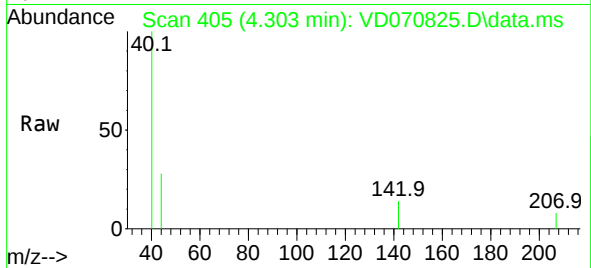




#10
Methyl Iodide
Concen: 3.695 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD070825.D
Acq: 22 Oct 2021 15:16

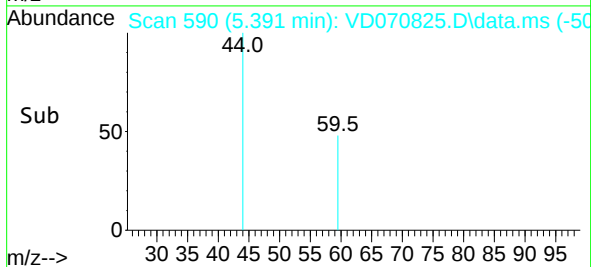
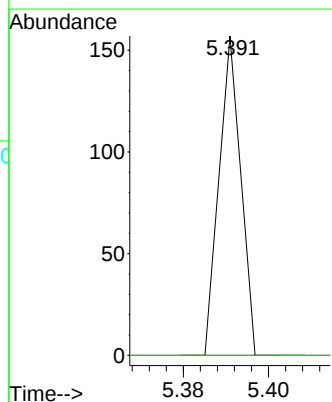
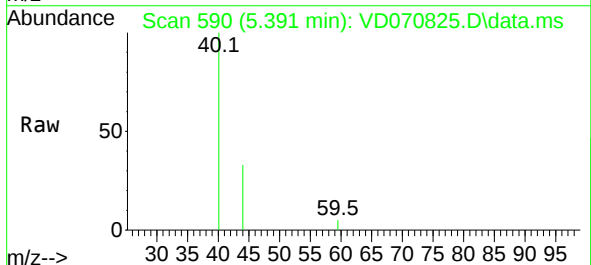
Instrument :
MSVOA_D
ClientSampleId :

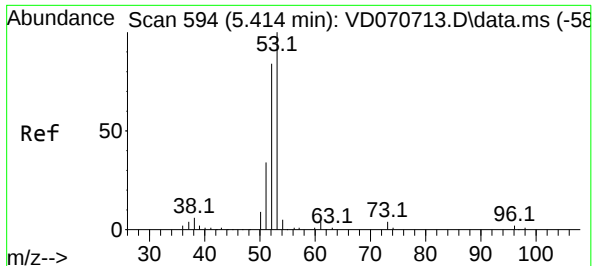
Tgt Ion:142 Resp: 233
Ion Ratio Lower Upper
142 100
127 22.7 37.5 56.3#
141 0.0 12.1 18.1#



#11
Tert butyl alcohol
Concen: 1.786 ug/l
RT: 5.391 min Scan# 590
Delta R.T. 0.177 min
Lab File: VD070825.D
Acq: 22 Oct 2021 15:16

Tgt Ion: 59 Resp: 55
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#

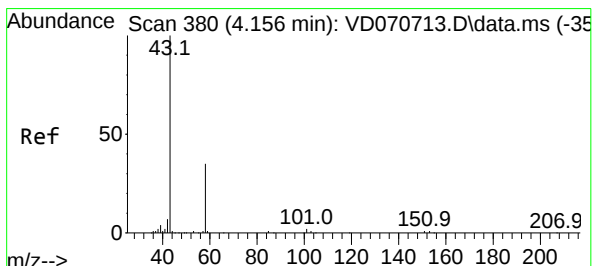
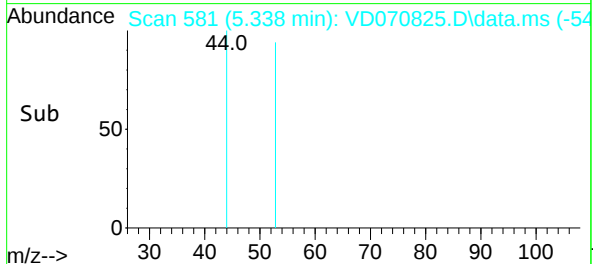
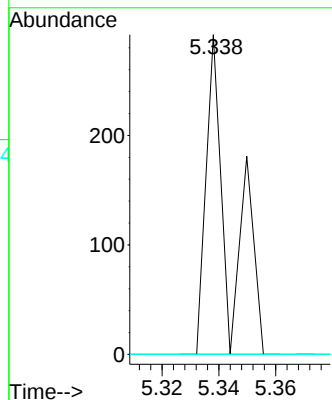
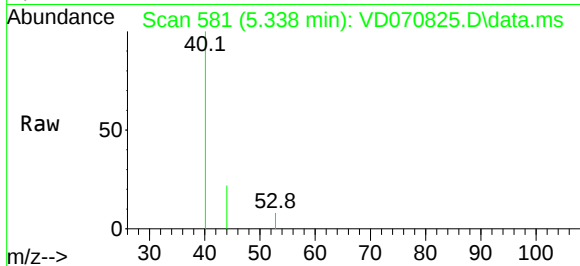




#15
Acrylonitrile
Concen: 1.275 ug/l
RT: 5.338 min Scan# 581
Delta R.T. -0.076 min
Lab File: VD070825.D
Acq: 22 Oct 2021 15:16

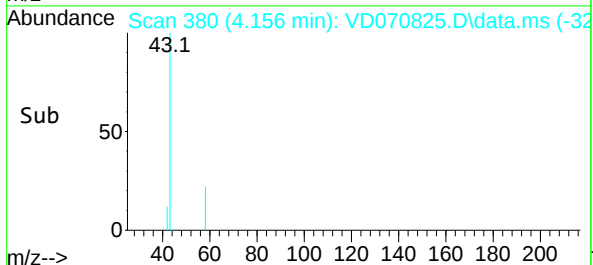
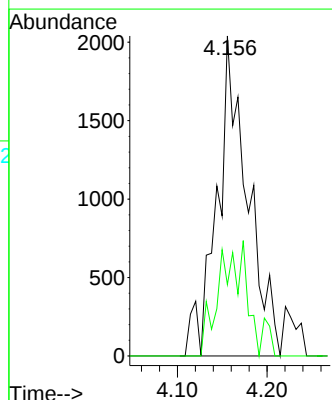
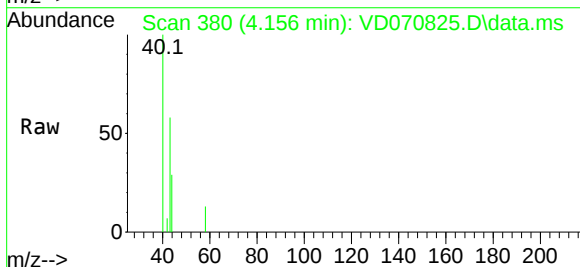
Instrument :
MSVOA_D
ClientSampleId :

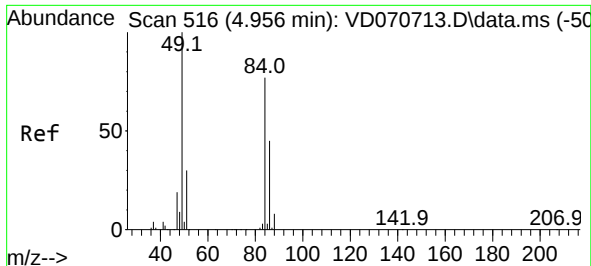
Tgt Ion: 53 Resp: 167
Ion Ratio Lower Upper
53 100
52 0.0 64.6 97.0#
51 0.0 28.7 43.1#



#16
Acetone
Concen: 36.176 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD070825.D
Acq: 22 Oct 2021 15:16

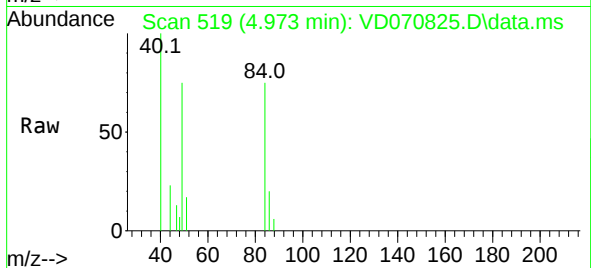
Tgt Ion: 43 Resp: 4801
Ion Ratio Lower Upper
43 100
58 22.3 28.2 42.2#



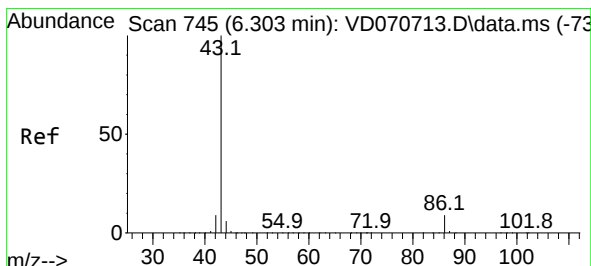
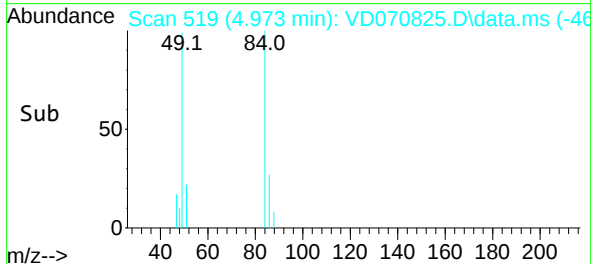
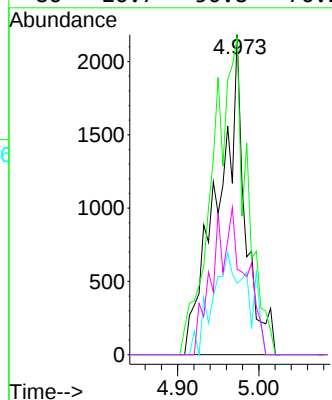


#20
Methylene Chloride
Concen: 1.282 ug/l
RT: 4.973 min Scan# 519
Delta R.T. 0.017 min
Lab File: VD070825.D
Acq: 22 Oct 2021 15:16

Instrument :
MSVOA_D
ClientSampleId :

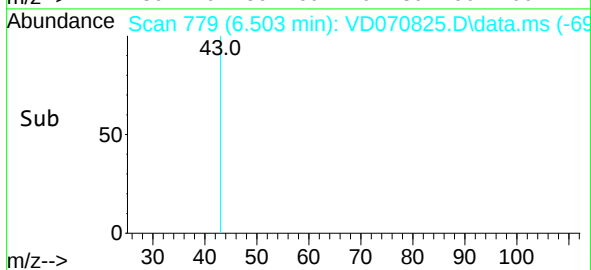
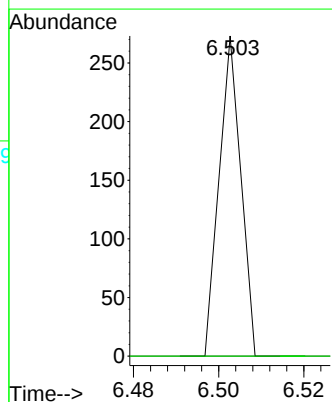
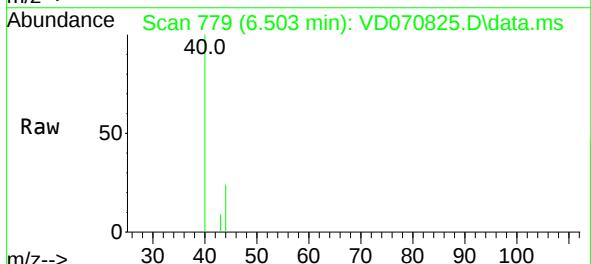


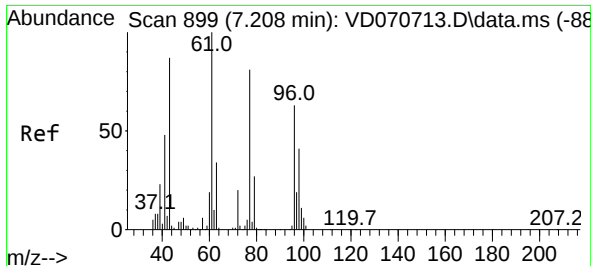
Tgt Ion:	84	Resp:	5093
Ion	Ratio	Lower	Upper
84	100		
49	98.9	91.4	137.2
51	22.4	26.7	40.1#
86	26.7	50.8	76.2#



#23
Vinyl Acetate
Concen: 16.420 ug/l
RT: 6.503 min Scan# 779
Delta R.T. 0.200 min
Lab File: VD070825.D
Acq: 22 Oct 2021 15:16

Tgt Ion:	43	Resp:	96
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.8	14.6#

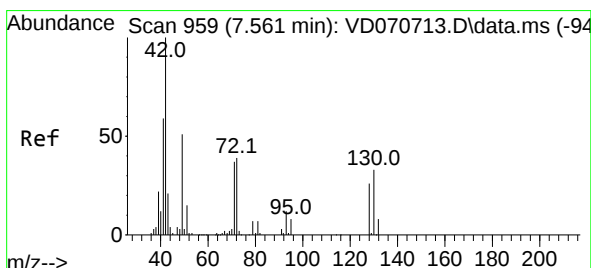
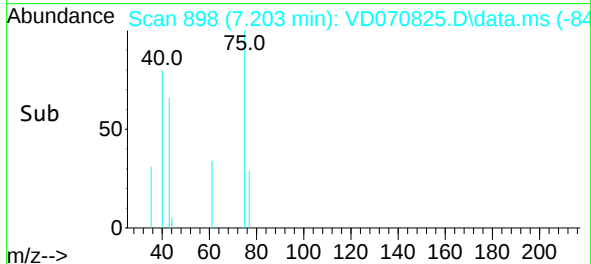
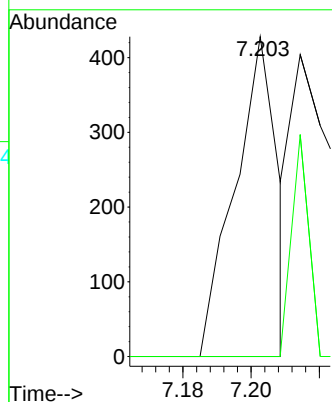
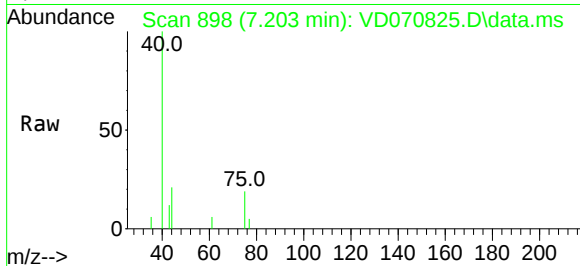




#25
2-Butanone
Concen: 2.299 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.006 min
Lab File: VD070825.D
Acq: 22 Oct 2021 15:16

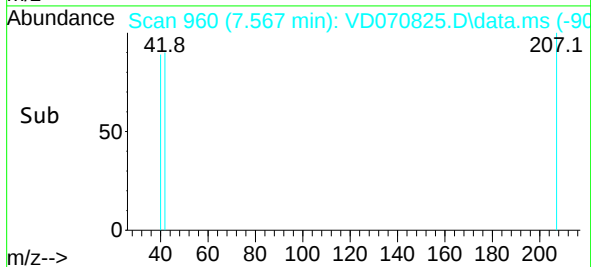
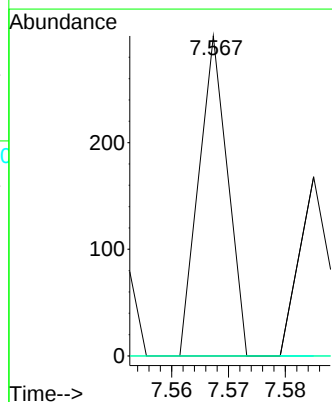
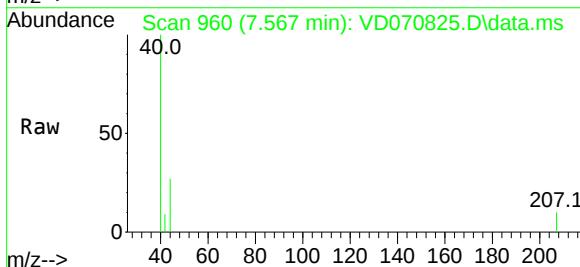
Instrument :
MSVOA_D
ClientSampled :

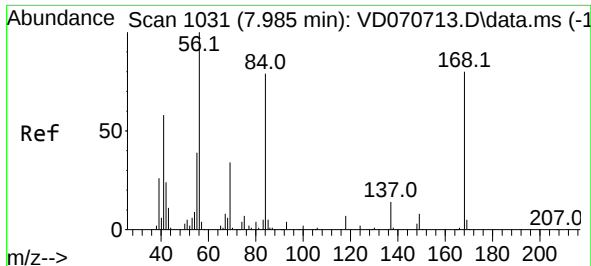
Tgt Ion: 43 Resp: 377
Ion Ratio Lower Upper
43 100
72 0.0 25.2 37.8#



#29
Tetrahydrofuran
Concen: 1.056 ug/l
RT: 7.567 min Scan# 960
Delta R.T. 0.006 min
Lab File: VD070825.D
Acq: 22 Oct 2021 15:16

Tgt Ion: 42 Resp: 106
Ion Ratio Lower Upper
42 100
72 0.0 40.2 60.4#
71 0.0 37.2 55.8#

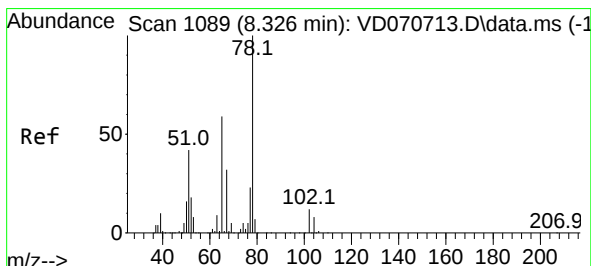
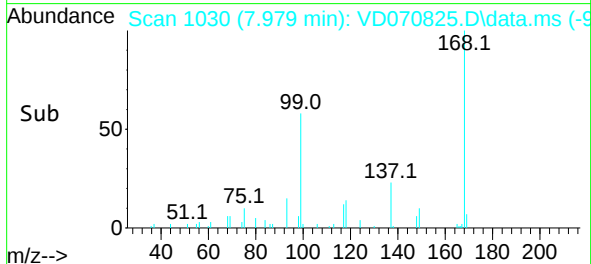
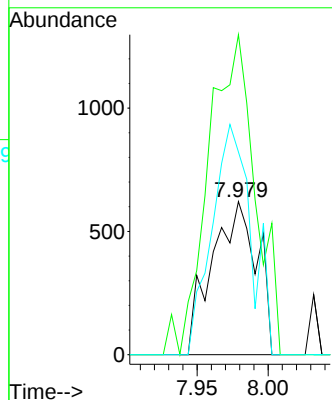
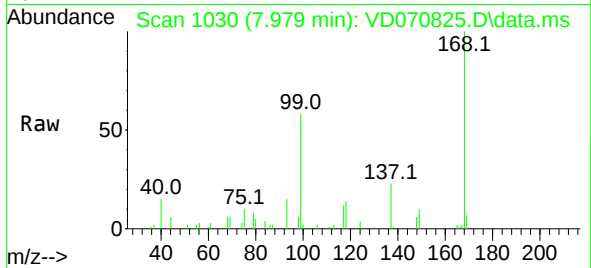




#31
Cyclohexane
Concen: 1.230 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070825.D
Acq: 22 Oct 2021 15:16

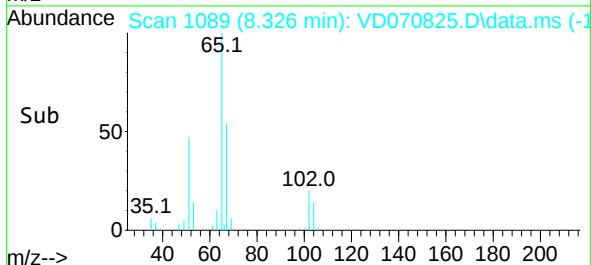
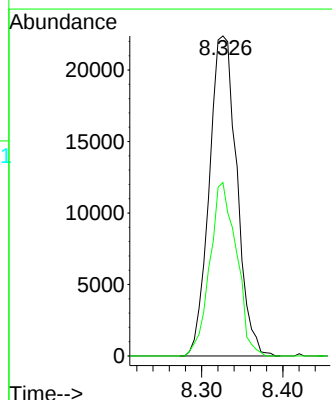
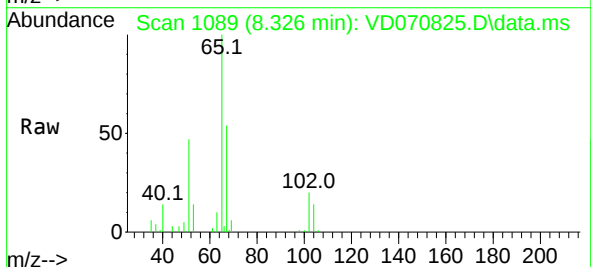
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MSVOA_D
ClientSampleId :

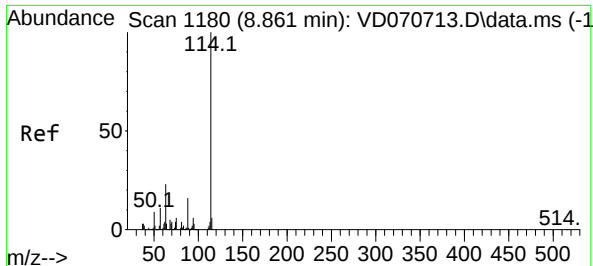
Tgt Ion: 56 Resp: 1369
Ion Ratio Lower Upper
56 100
69 209.0 27.4 41.2#
84 132.4 73.6 110.4#



#33
1,2-Dichloroethane-d4
Concen: 95.908 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070825.D
Acq: 22 Oct 2021 15:16

Tgt Ion: 65 Resp: 52771
Ion Ratio Lower Upper
65 100
67 52.2 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

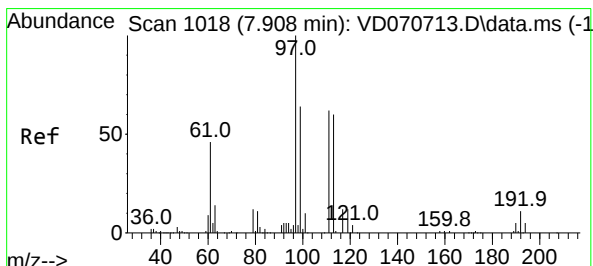
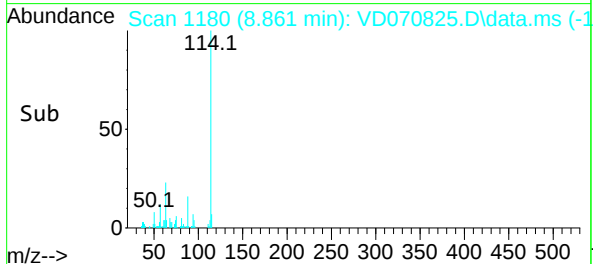
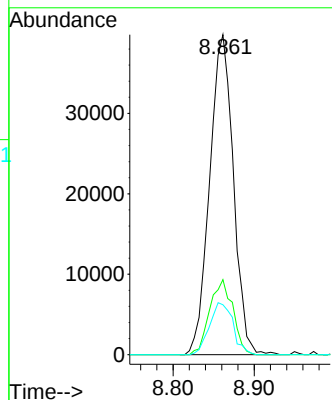
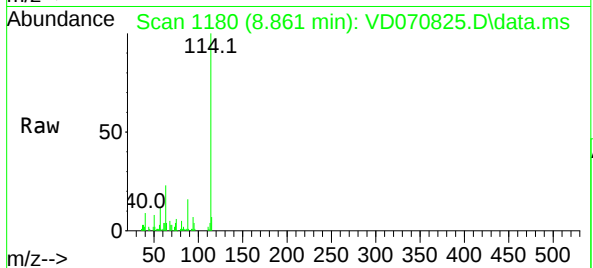
RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD070825.D

Acq: 22 Oct 2021 15:16

Tgt Ion:	114	Resp:	80900
Ion Ratio	Lower	Upper	
114	100		
63	23.4	0.0	41.8
88	15.6	0.0	32.6



#35

Dibromofluoromethane

Concen: 64.827 ug/l

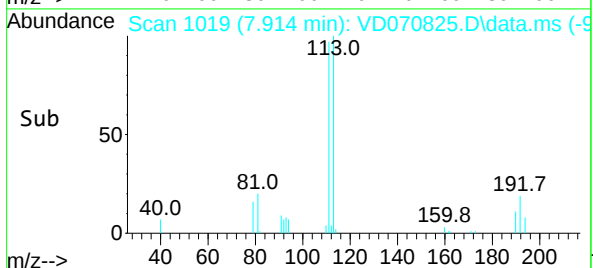
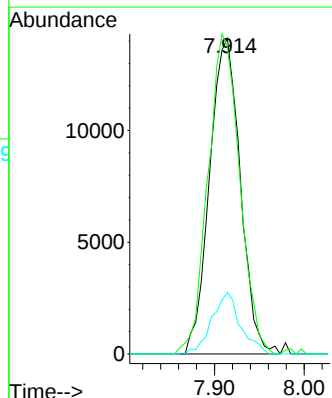
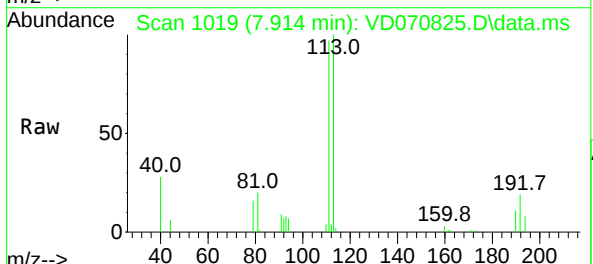
RT: 7.914 min Scan# 1019

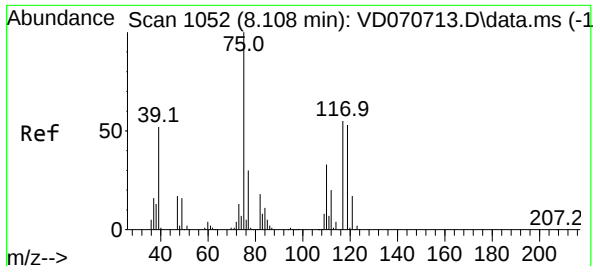
Delta R.T. 0.006 min

Lab File: VD070825.D

Acq: 22 Oct 2021 15:16

Tgt Ion:	113	Resp:	33581
Ion Ratio	Lower	Upper	
113	100		
111	104.6	83.1	124.7
192	18.1	12.7	19.1

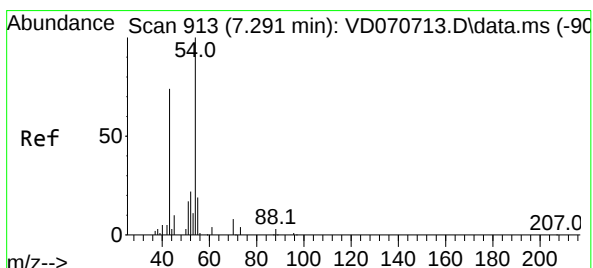
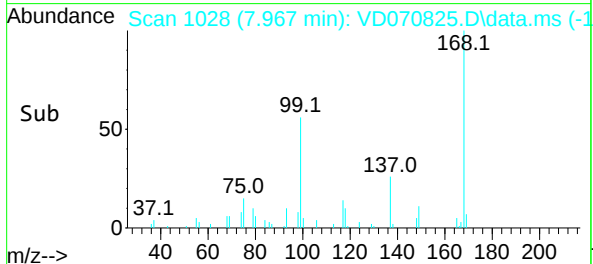
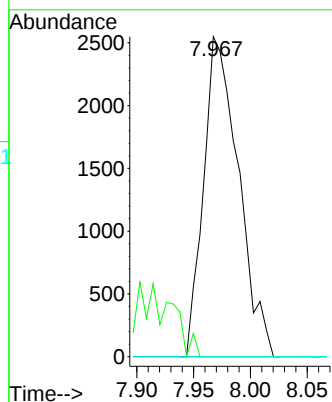
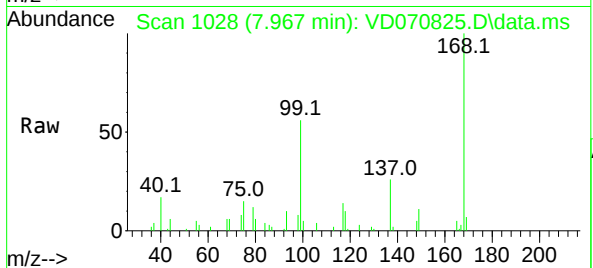




#36
1,1-Dichloropropene
Concen: 6.039 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.141 min
Lab File: VD070825.D
Acq: 22 Oct 2021 15:16

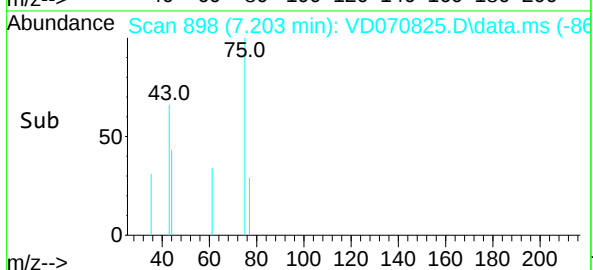
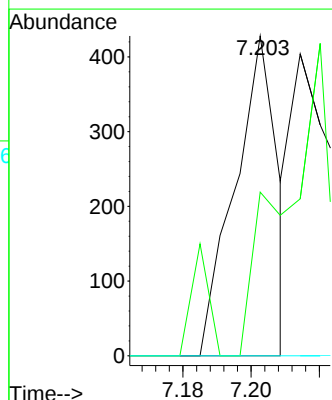
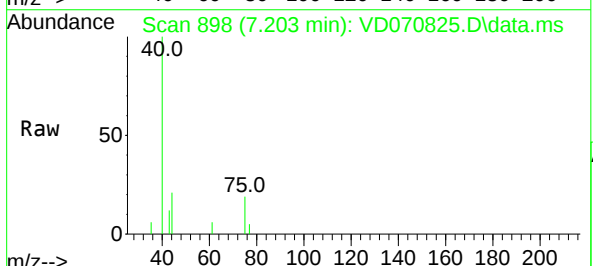
Instrument :
MSVOA_D
ClientSampled :

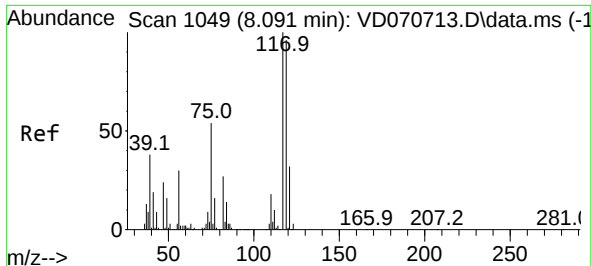
Tgt Ion: 75 Resp: 5443
Ion Ratio Lower Upper
75 100
110 0.0 17.2 51.6#
77 0.0 24.2 36.4#



#37
Ethyl Acetate
Concen: 1.010 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.088 min
Lab File: VD070825.D
Acq: 22 Oct 2021 15:16

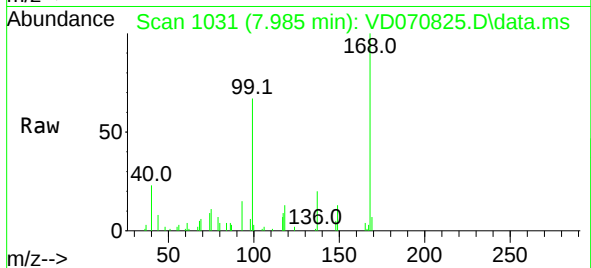
Tgt Ion: 43 Resp: 377
Ion Ratio Lower Upper
43 100
61 96.8 12.9 19.3#
70 0.0 9.9 14.9#



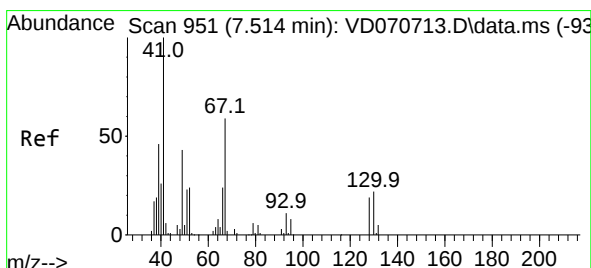
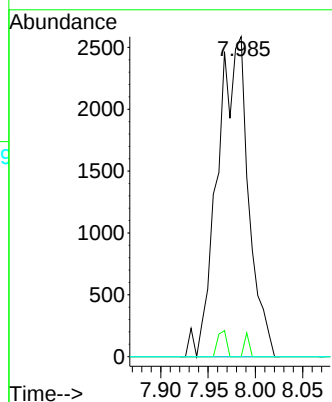
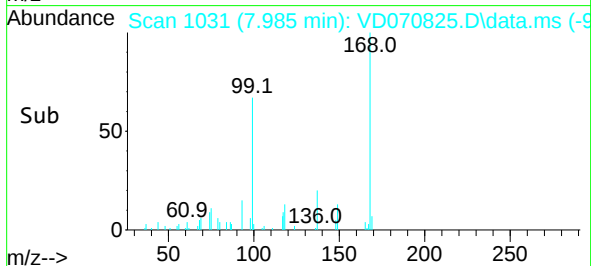


#38
Carbon Tetrachloride
Concen: 6.826 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.106 min
Lab File: VD070825.D
Acq: 22 Oct 2021 15:16

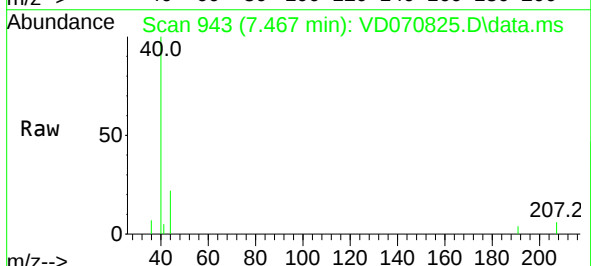
Instrument :
MSVOA_D
ClientSampled :



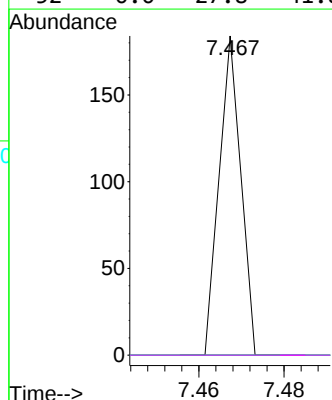
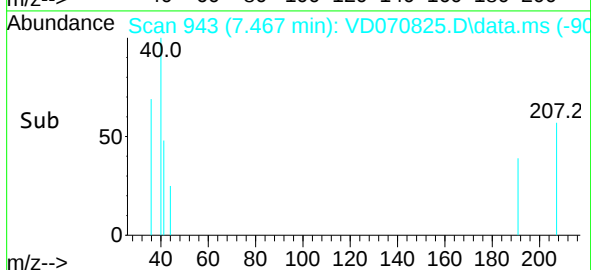
Tgt Ion:117 Resp: 5892
Ion Ratio Lower Upper
117 100
119 0.0 77.4 116.0#
121 0.0 25.4 38.0#

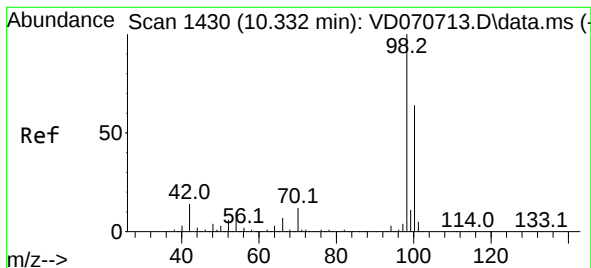


#41
Methacrylonitrile
Concen: 2.209 ug/l
RT: 7.467 min Scan# 943
Delta R.T. -0.047 min
Lab File: VD070825.D
Acq: 22 Oct 2021 15:16



Tgt Ion: 41 Resp: 65
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#

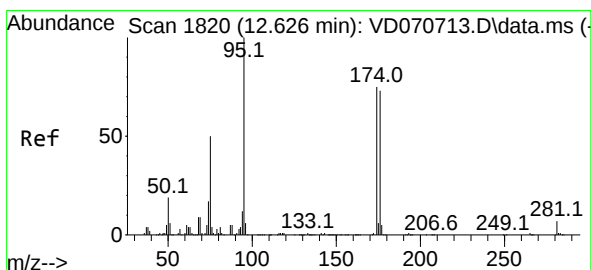
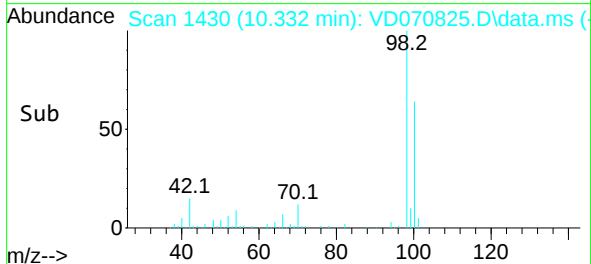
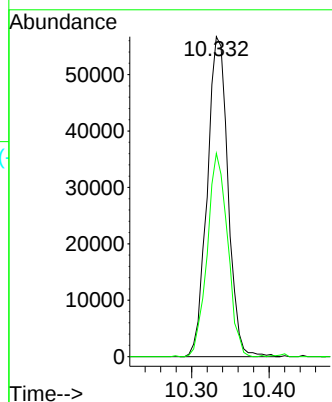
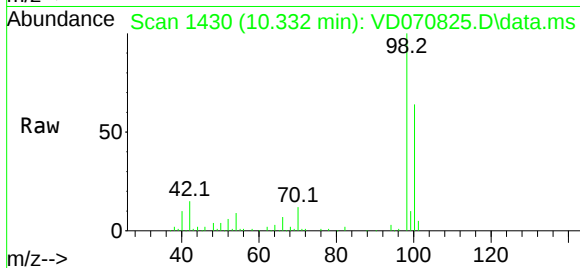




#50
Toluene-d8
Concen: 53.110 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070825.D
Acq: 22 Oct 2021 15:16

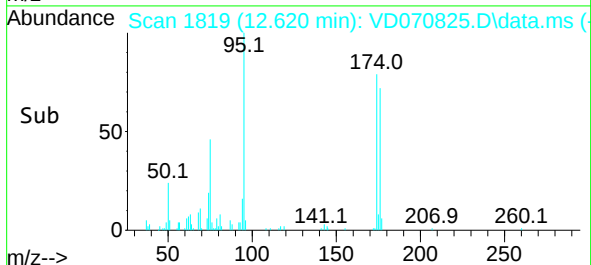
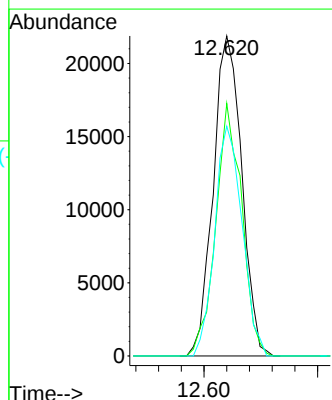
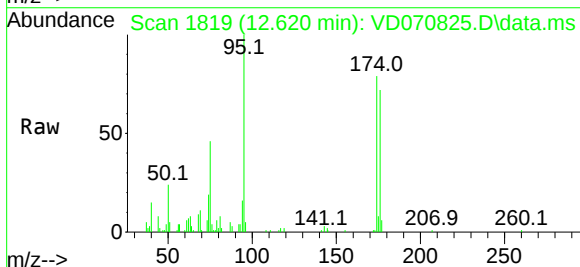
Instrument :
MSVOA_D
ClientSampled :

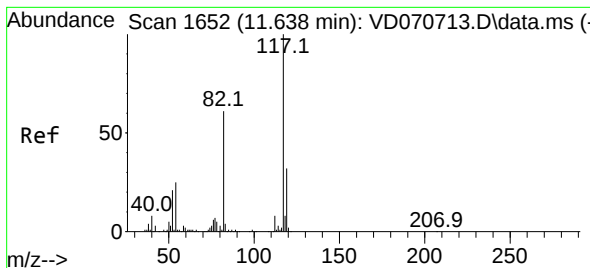
Tgt Ion: 98 Resp: 105461
Ion Ratio Lower Upper
98 100
100 62.4 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 55.780 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070825.D
Acq: 22 Oct 2021 15:16

Tgt Ion: 95 Resp: 38139
Ion Ratio Lower Upper
95 100
174 72.0 0.0 138.0
176 68.9 0.0 135.6

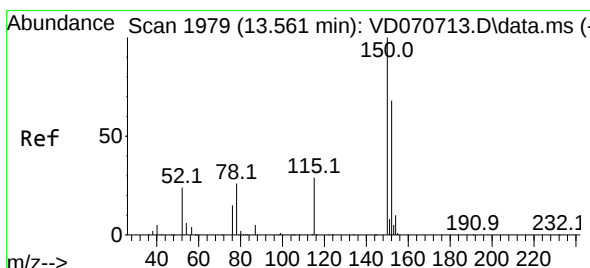
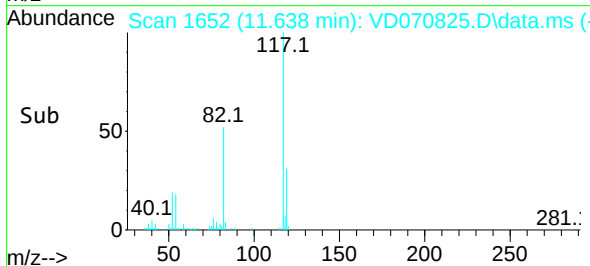
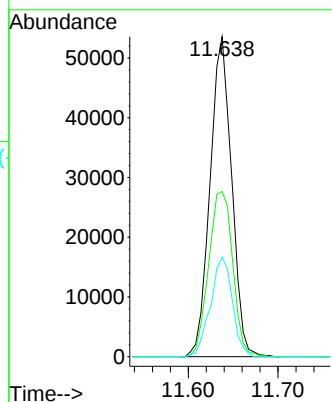
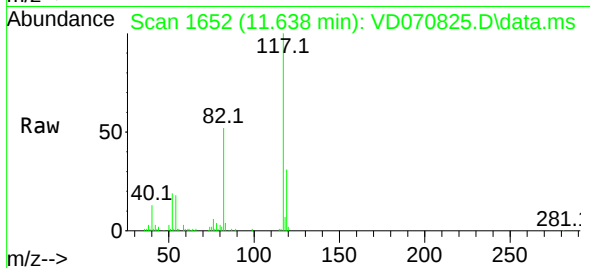




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070825.D
Acq: 22 Oct 2021 15:16

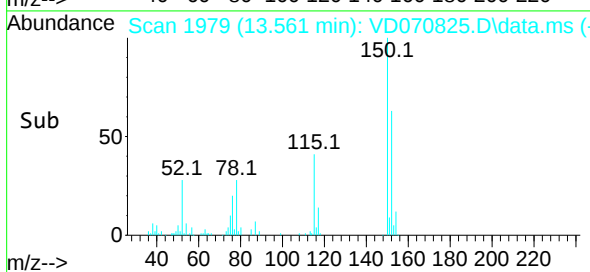
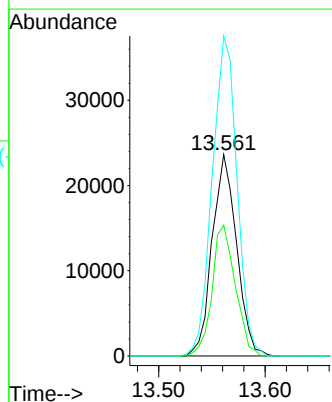
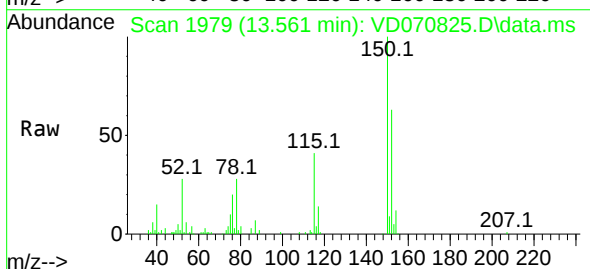
Instrument :
MSVOA_D
ClientSampleId :

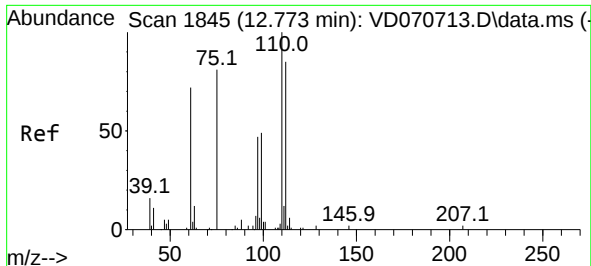
Tgt Ion:117 Resp: 89414
Ion Ratio Lower Upper
117 100
82 51.6 45.4 68.2
119 31.1 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070825.D
Acq: 22 Oct 2021 15:16

Tgt Ion:152 Resp: 37633
Ion Ratio Lower Upper
152 100
115 61.7 31.9 95.7
150 160.7 0.0 350.0

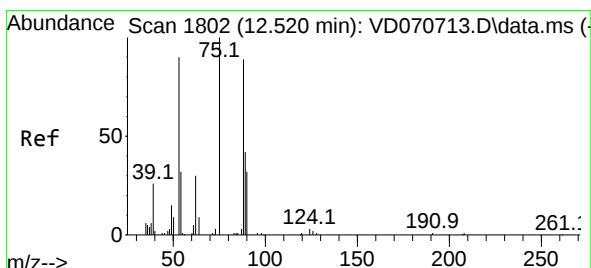
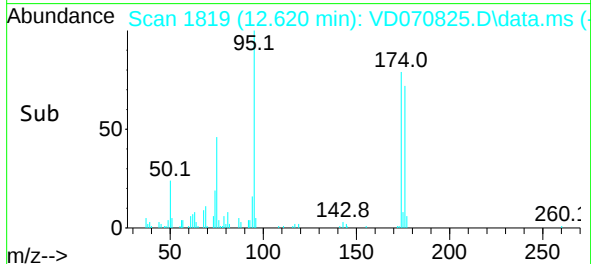
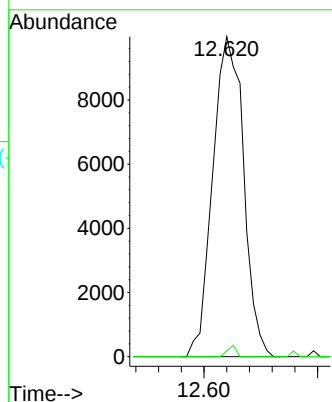
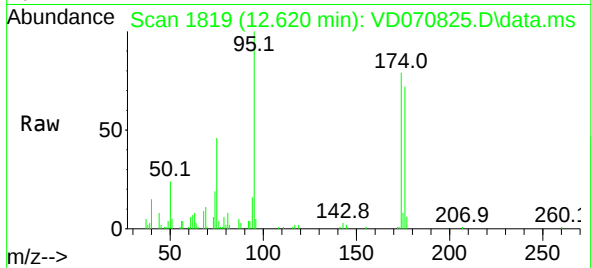




#76
1,2,3-Trichloropropane
Concen: 57.690 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070825.D
Acq: 22 Oct 2021 15:16

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 18757
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.359 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070825.D
Acq: 22 Oct 2021 15:16

Tgt Ion: 75 Resp: 18757
Ion Ratio Lower Upper
75 100
53 0.0 64.5 96.7#
89 0.0 35.3 52.9#

