

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102121\
 Data File : VD070805.D
 Acq On : 21 Oct 2021 17:18
 Operator : VA/SY
 Sample : M4294-01
 Misc : 5.46G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 22 06:16:27 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	156851	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	274219	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	373828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	152540	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	122725	66.060	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.120%	
35) Dibromofluoromethane	7.908	113	61775	35.183	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 70.360%	
50) Toluene-d8	10.332	98	386025	57.353	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 114.700%	
62) 4-Bromofluorobenzene	12.626	95	147537	63.660	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 127.320%	

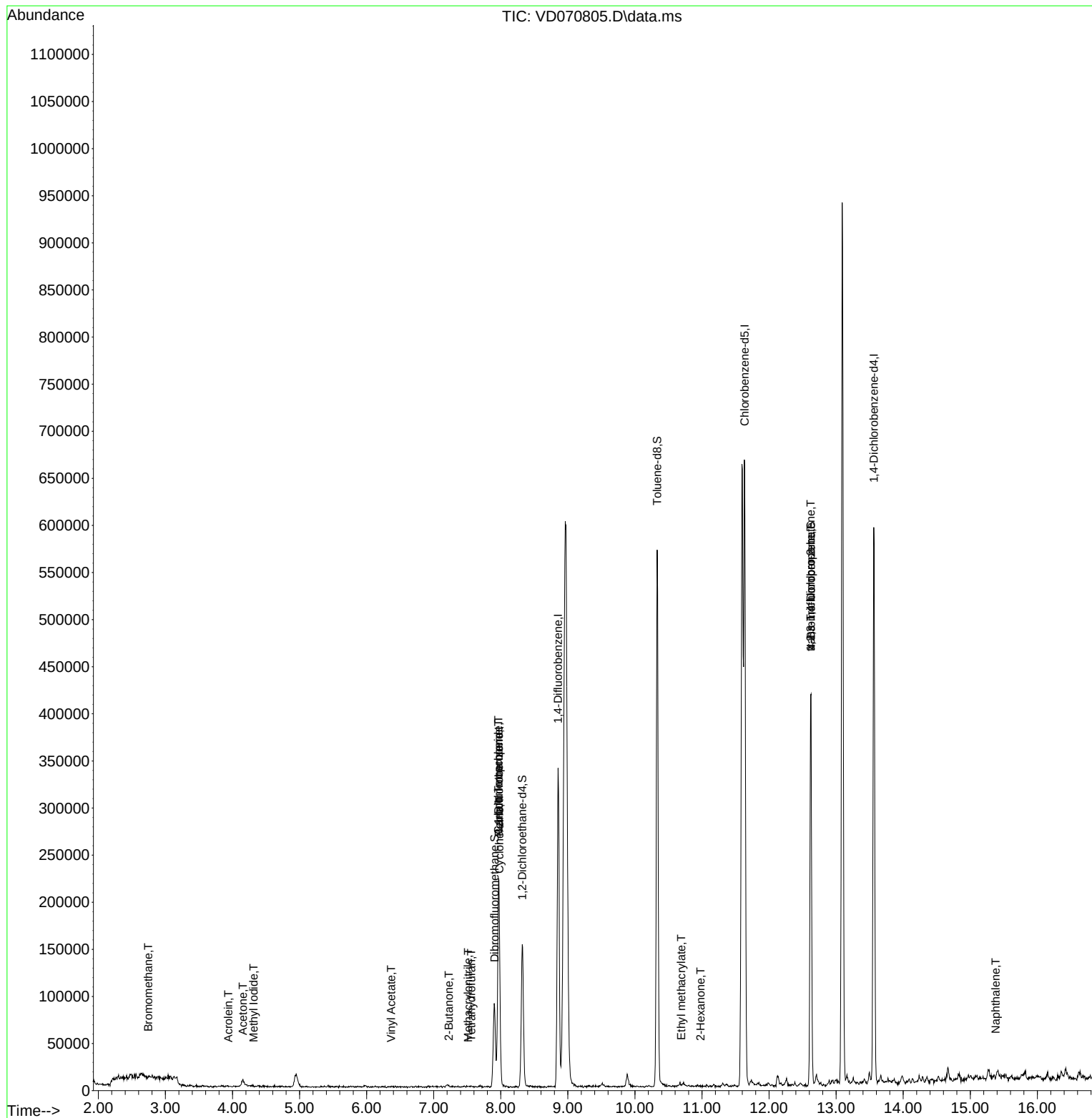
Target Compounds			Qvalue			
5) Bromomethane	2.744	94	1722	1.013	ug/l #	44
10) Methyl Iodide	4.314	142	223	3.426	ug/l #	73
13) Acrolein	3.938	56	371	3.686	ug/l #	57
16) Acetone	4.155	43	14390	32.114	ug/l #	82
20) Methylene Chloride	4.955	84	10921	Below Cal		95
23) Vinyl Acetate	6.367	43	146	16.370	ug/l #	69
25) 2-Butanone	7.226	43	1240	2.240	ug/l #	68
29) Tetrahydrofuran	7.561	42	442	1.304	ug/l #	58
31) Cyclohexane	7.979	56	5035	1.340	ug/l #	43
36) 1,1-Dichloropropene	7.967	75	15511	5.078	ug/l #	45
38) Carbon Tetrachloride	7.967	117	17150	5.861	ug/l #	15
41) Methacrylonitrile	7.514	41	57	2.012	ug/l #	1
56) Ethyl methacrylate	10.690	69	187	4.238	ug/l #	32
59) 2-Hexanone	10.979	43	919	1.026	ug/l	63
76) 1,2,3-Trichloropropane	12.620	75	74855	56.799	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	74855	124.408	ug/l #	18
95) Naphthalene	15.378	128	654	4.912	ug/l #	69

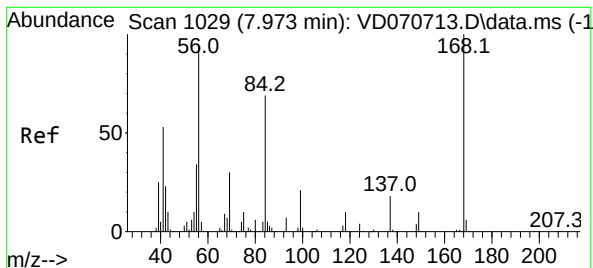
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VD070805.D

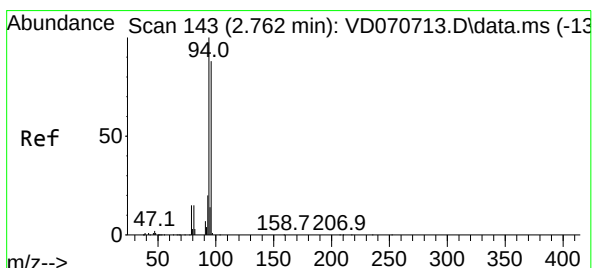
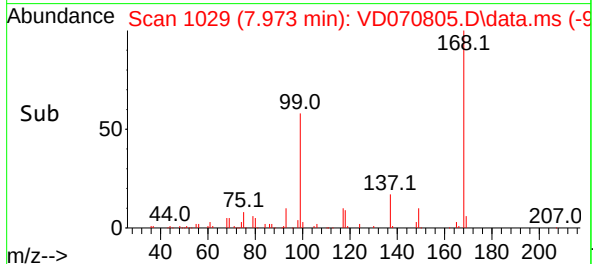
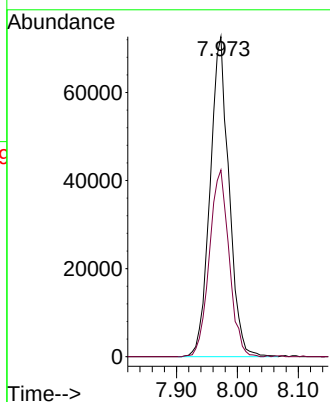
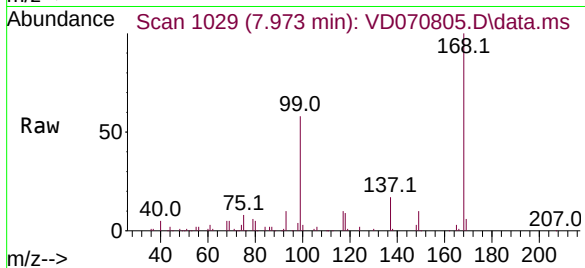
Acq: 21 Oct 2021 17:18

Tgt Ion:168 Resp: 156851

Ion Ratio Lower Upper

168 100

99 58.4 51.4 77.0



#5

Bromomethane

Concen: 1.013 ug/l

RT: 2.744 min Scan# 140

Delta R.T. -0.018 min

Lab File: VD070805.D

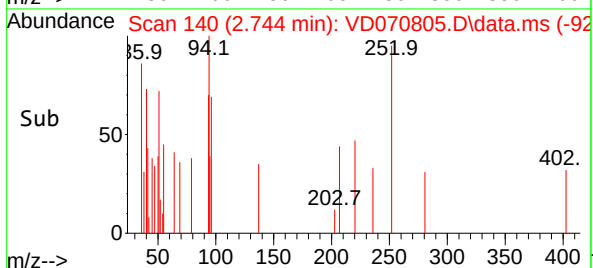
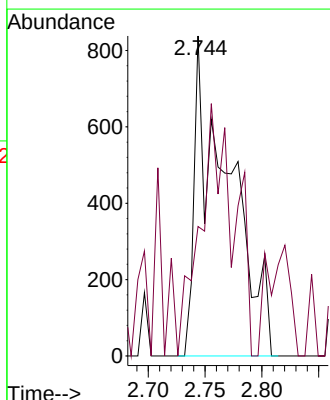
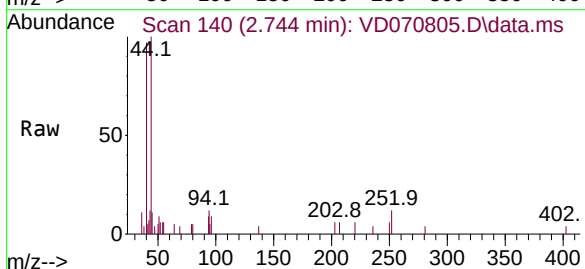
Acq: 21 Oct 2021 17:18

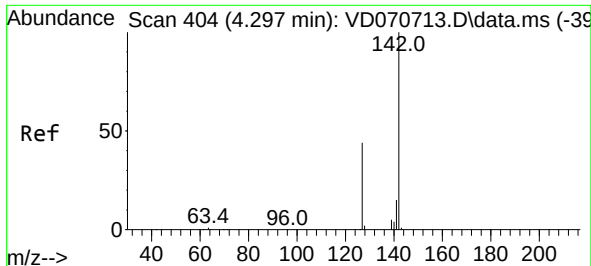
Tgt Ion: 94 Resp: 1722

Ion Ratio Lower Upper

94 100

96 40.5 75.5 113.3#





#10

Methyl Iodide

Concen: 3.426 ug/l

RT: 4.314 min Scan# 407

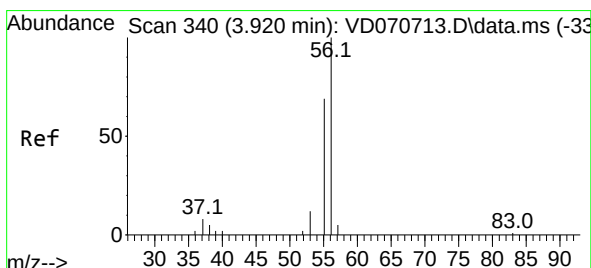
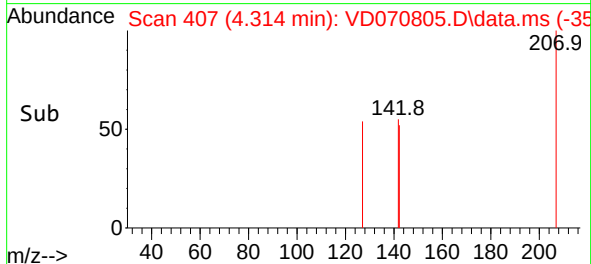
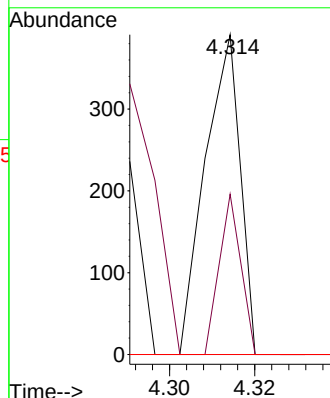
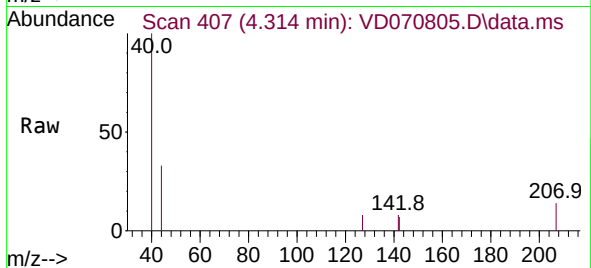
Delta R.T. 0.017 min

Lab File: VD070805.D

Acq: 21 Oct 2021 17:18

Tgt Ion:	142	Resp:	223
Ion	Ratio	Lower	Upper
142	100		
127	30.9	37.5	56.3#
141	0.0	12.1	18.1#

Instrument :
MSVOA_D
ClientSampled :



#13

Acrolein

Concen: 3.686 ug/l

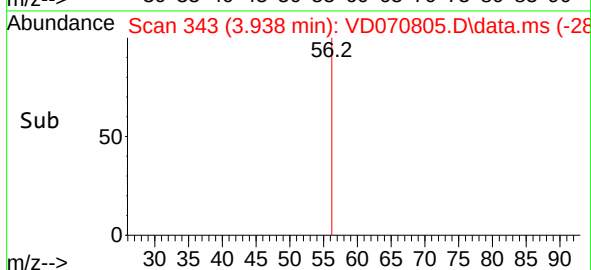
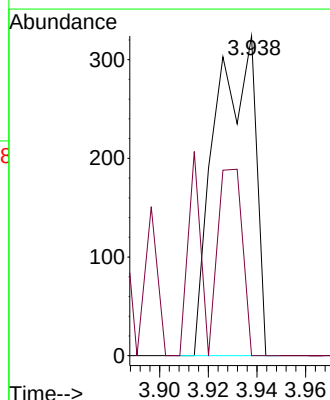
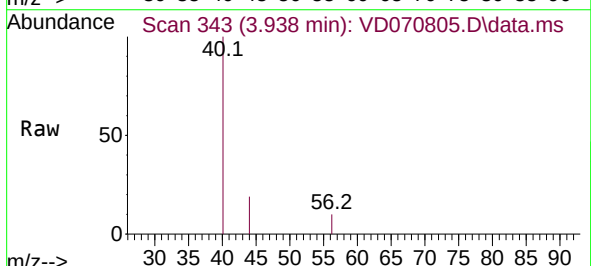
RT: 3.938 min Scan# 343

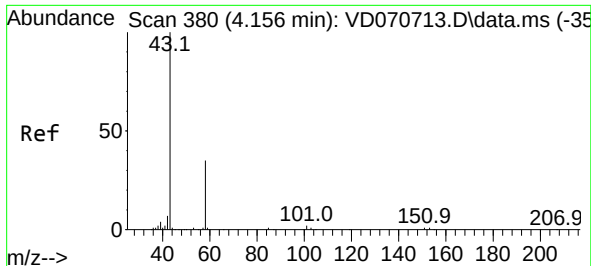
Delta R.T. 0.017 min

Lab File: VD070805.D

Acq: 21 Oct 2021 17:18

Tgt Ion:	56	Resp:	371
Ion	Ratio	Lower	Upper
56	100		
55	35.8	56.8	85.2#

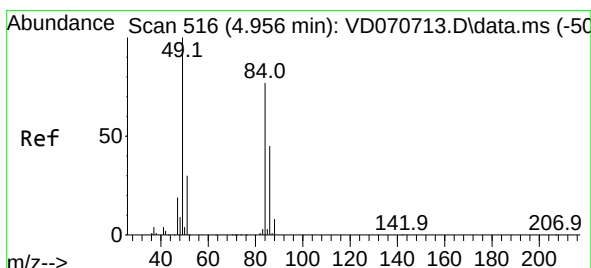
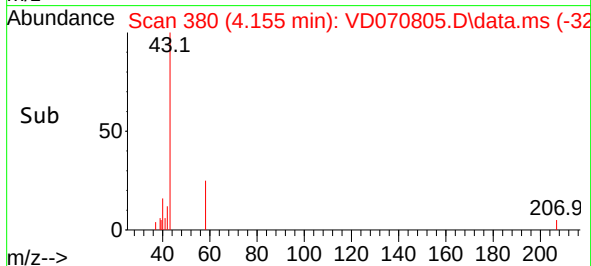
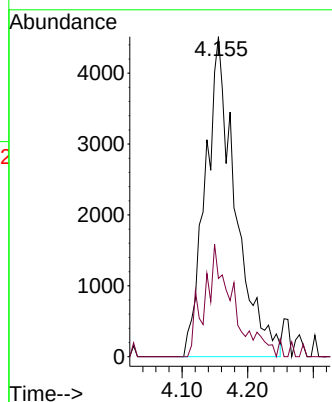
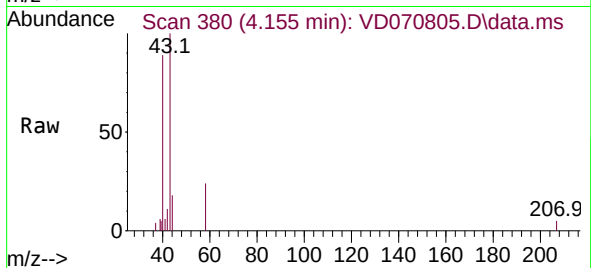




#16
Acetone
Concen: 32.114 ug/l
RT: 4.155 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070805.D
Acq: 21 Oct 2021 17:18

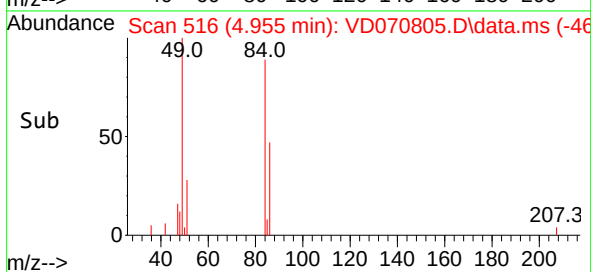
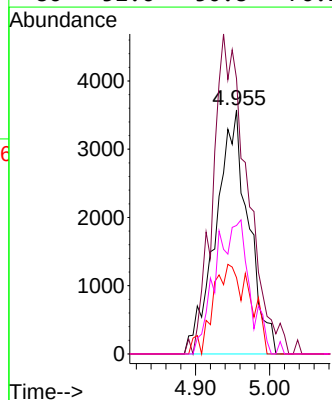
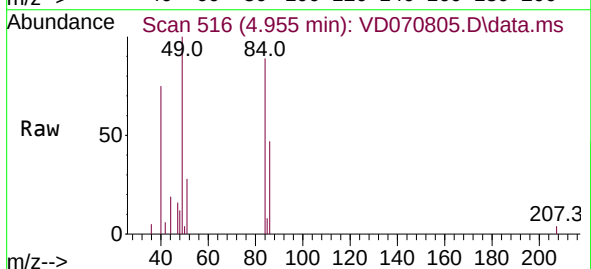
Instrument :
MSVOA_D
ClientSampled :

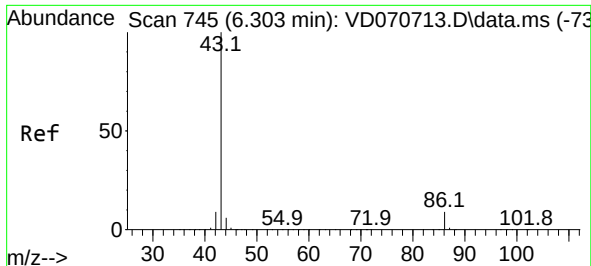
Tgt Ion: 43 Resp: 14390
Ion Ratio Lower Upper
43 100
58 24.5 28.2 42.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.955 min Scan# 516
Delta R.T. -0.001 min
Lab File: VD070805.D
Acq: 21 Oct 2021 17:18

Tgt Ion: 84 Resp: 10921
Ion Ratio Lower Upper
84 100
49 112.9 91.4 137.2
51 31.3 26.7 40.1
86 52.6 50.8 76.2

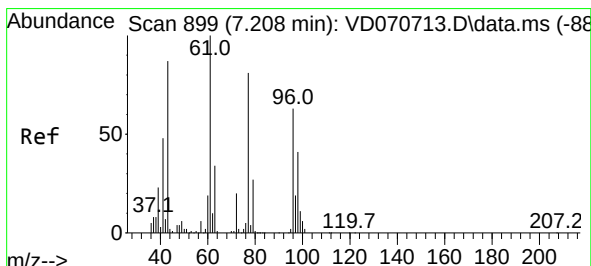
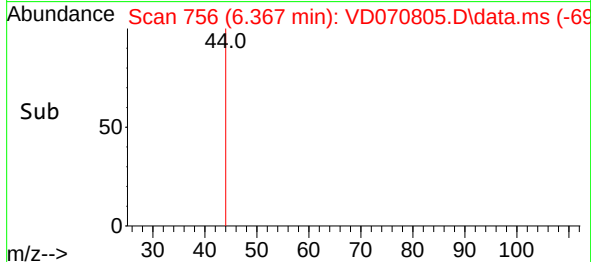
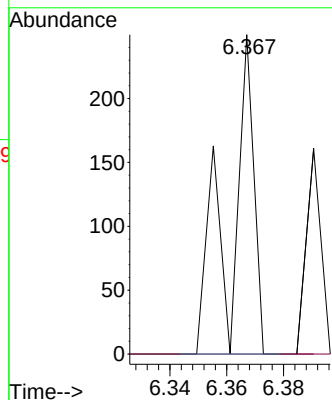
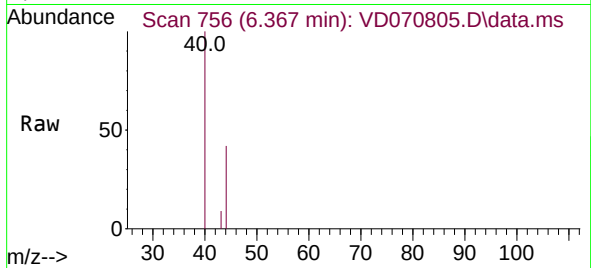




#23
 Vinyl Acetate
 Concen: 16.370 ug/l
 RT: 6.367 min Scan# 756
 Delta R.T. 0.064 min
 Lab File: VD070805.D
 Acq: 21 Oct 2021 17:18

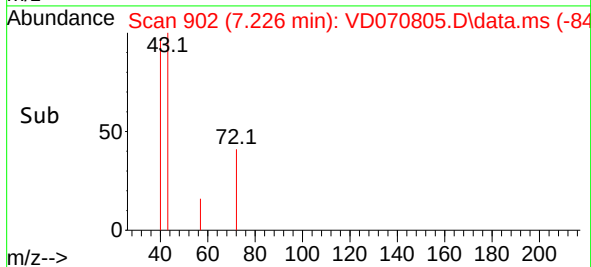
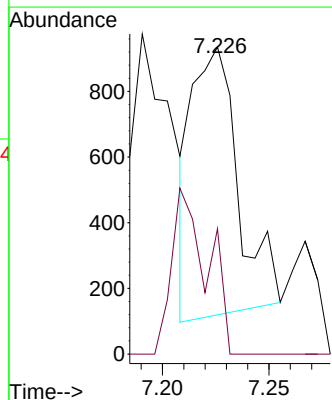
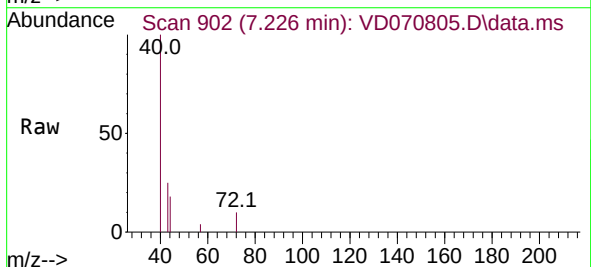
Instrument :
 MSVOA_D
 ClientSampled :

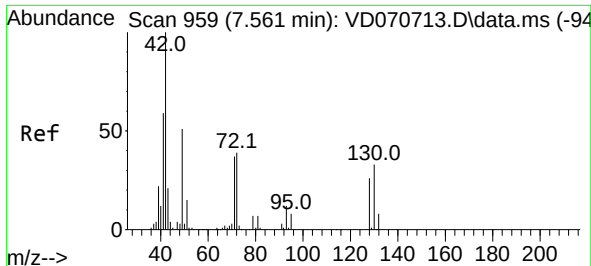
Tgt Ion: 43 Resp: 146
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.8 14.6#



#25
 2-Butanone
 Concen: 2.240 ug/l
 RT: 7.226 min Scan# 902
 Delta R.T. 0.017 min
 Lab File: VD070805.D
 Acq: 21 Oct 2021 17:18

Tgt Ion: 43 Resp: 1240
 Ion Ratio Lower Upper
 43 100
 72 49.1 25.2 37.8#





#29

Tetrahydrofuran

Concen: 1.304 ug/l

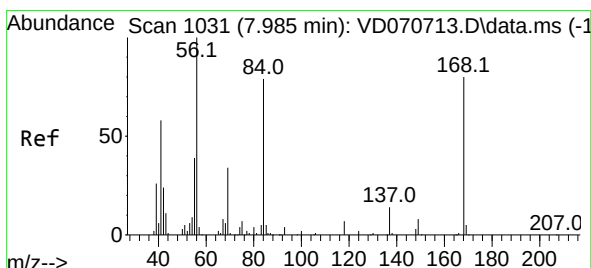
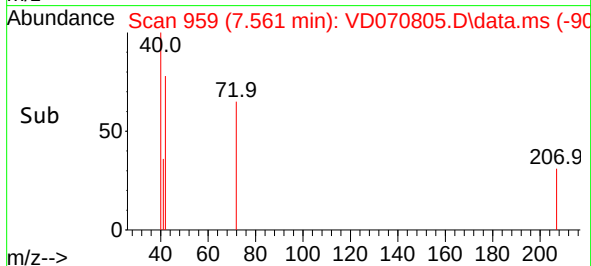
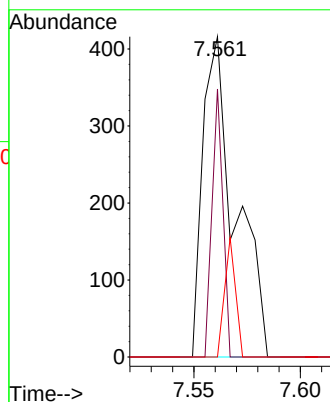
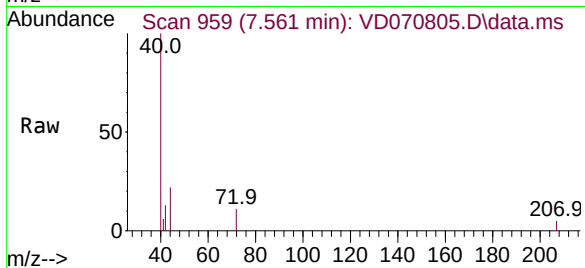
RT: 7.561 min Scan# 959

Delta R.T. -0.000 min

Lab File: VD070805.D

Acq: 21 Oct 2021 17:18

Tgt Ion:	42	Resp:	442
Ion	Ratio	Lower	Upper
42	100		
72	27.8	40.2	60.4#
71	12.4	37.2	55.8#



#31

Cyclohexane

Concen: 1.340 ug/l

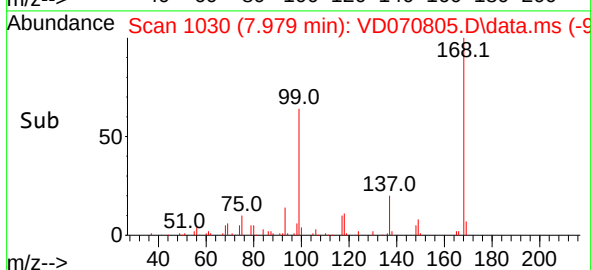
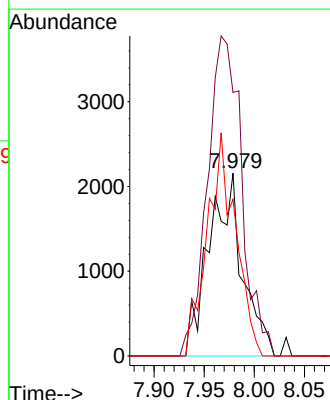
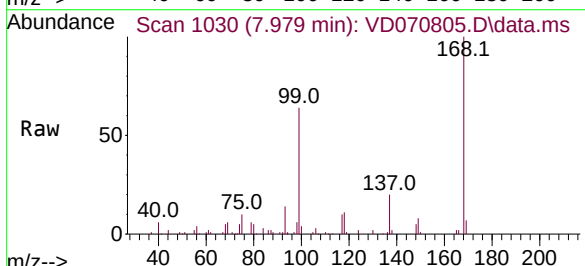
RT: 7.979 min Scan# 1030

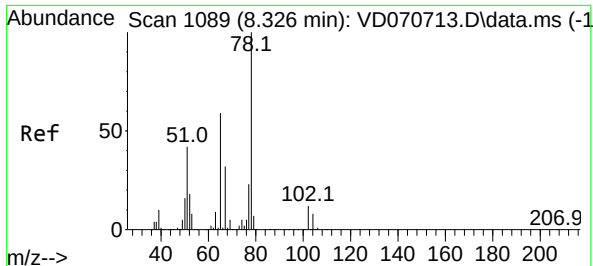
Delta R.T. -0.006 min

Lab File: VD070805.D

Acq: 21 Oct 2021 17:18

Tgt Ion:	56	Resp:	5035
Ion	Ratio	Lower	Upper
56	100		
69	144.1	27.4	41.2#
84	85.7	73.6	110.4

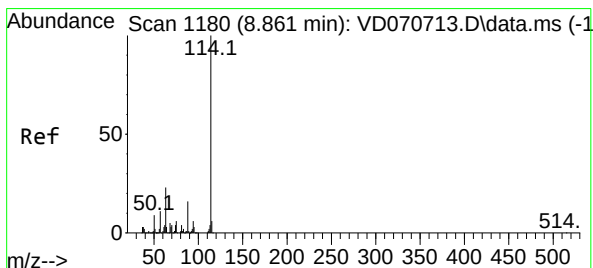
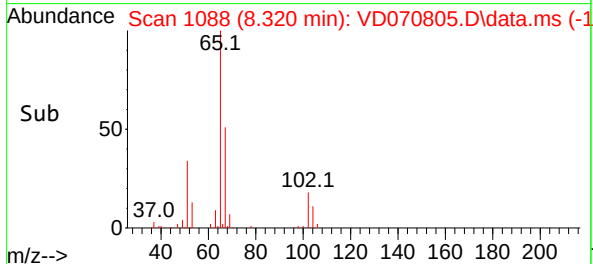
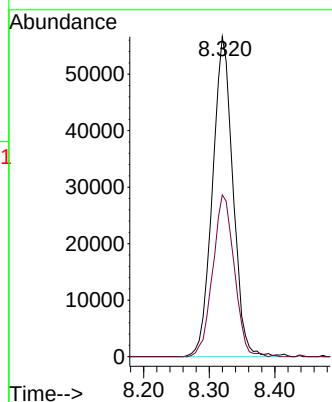
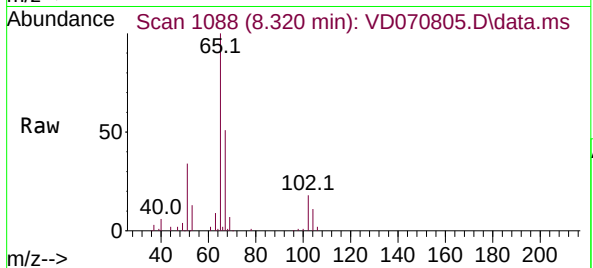




#33
1,2-Dichloroethane-d4
Concen: 66.060 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD070805.D
Acq: 21 Oct 2021 17:18

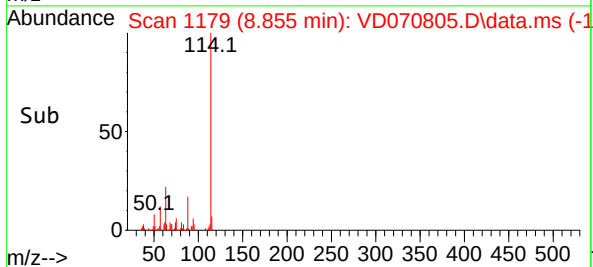
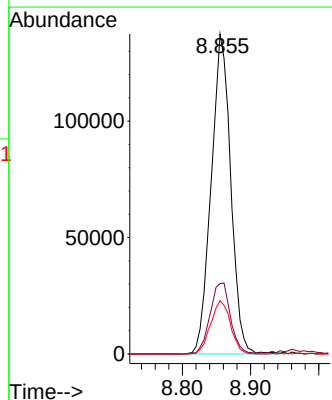
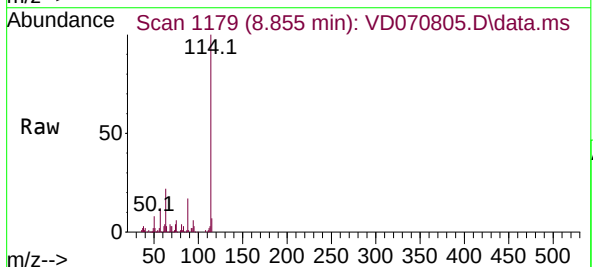
Instrument :
MSVOA_D
ClientSampled :

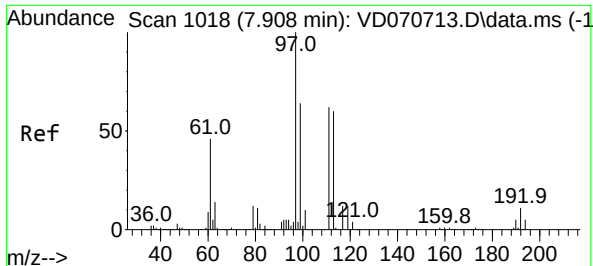
Tgt Ion: 65 Resp: 122725
Ion Ratio Lower Upper
65 100
67 53.0 0.0 110.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1179
Delta R.T. -0.006 min
Lab File: VD070805.D
Acq: 21 Oct 2021 17:18

Tgt Ion: 114 Resp: 274219
Ion Ratio Lower Upper
114 100
63 22.0 0.0 41.8
88 16.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 35.183 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.000 min

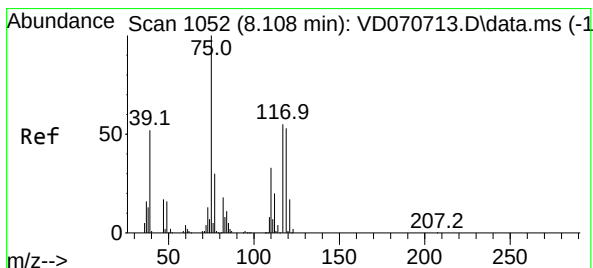
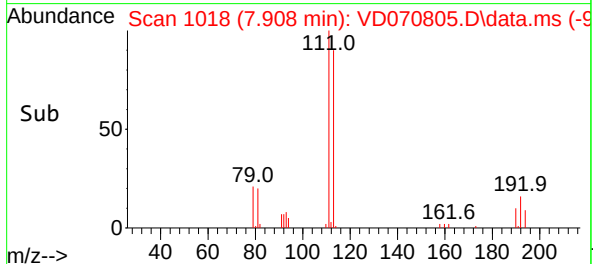
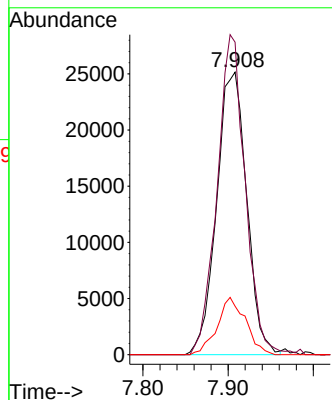
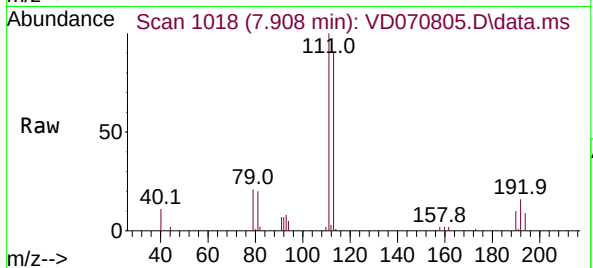
Lab File: VD070805.D

Acq: 21 Oct 2021 17:18

Tgt Ion:113 Resp: 61775

Ion	Ratio	Lower	Upper
113	100		
111	106.2	83.1	124.7
192	19.2	12.7	19.1#

Instrument :
MSVOA_D
ClientSampled :



#36

1,1-Dichloropropene

Concen: 5.078 ug/l

RT: 7.967 min Scan# 1028

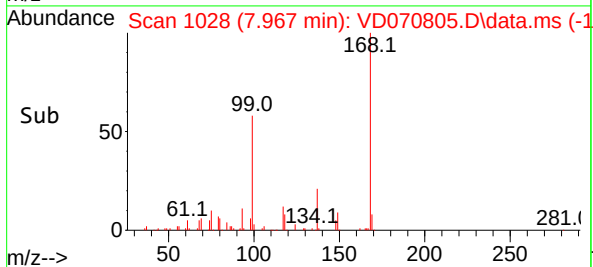
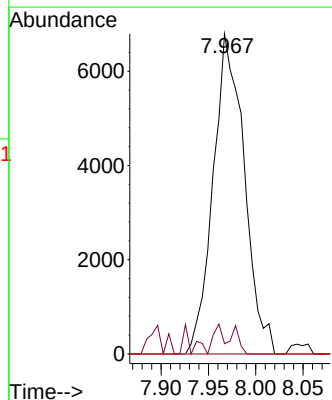
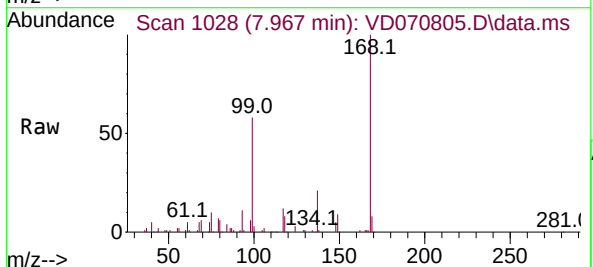
Delta R.T. -0.141 min

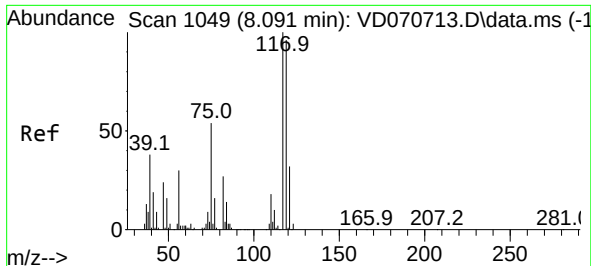
Lab File: VD070805.D

Acq: 21 Oct 2021 17:18

Tgt Ion: 75 Resp: 15511

Ion	Ratio	Lower	Upper
75	100		
110	3.5	17.2	51.6#
77	0.0	24.2	36.4#

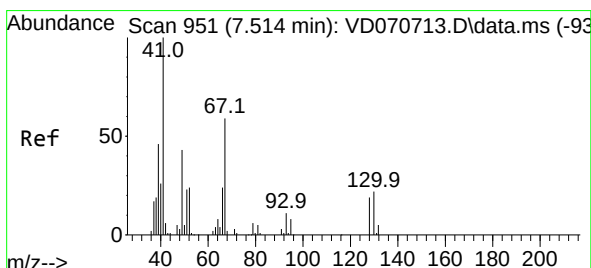
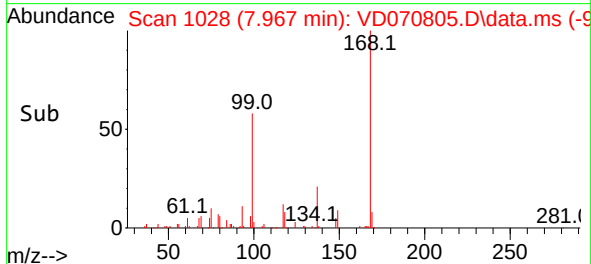
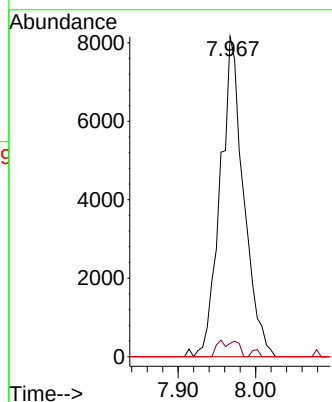
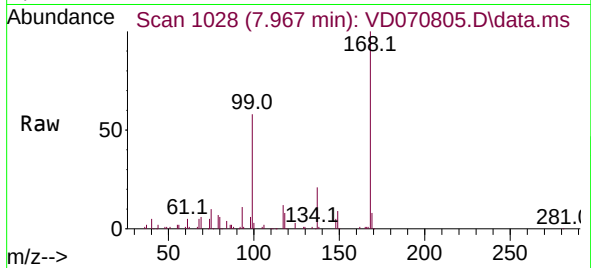




#38
Carbon Tetrachloride
Concen: 5.861 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.124 min
Lab File: VD070805.D
Acq: 21 Oct 2021 17:18

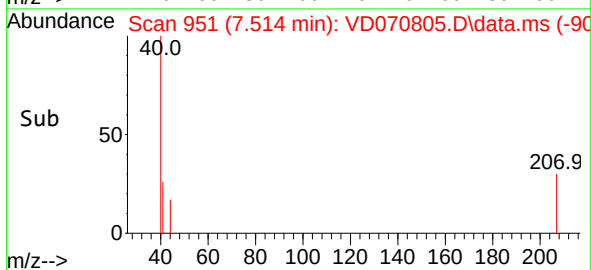
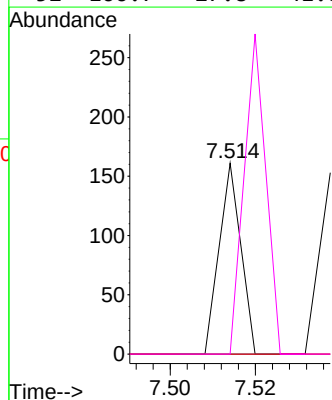
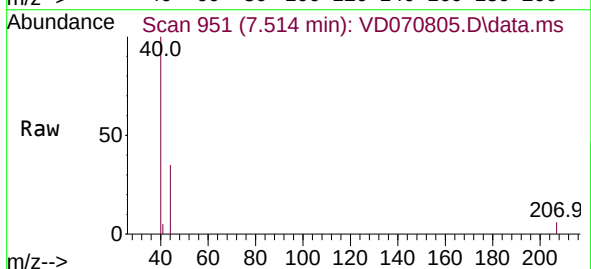
Instrument :
MSVOA_D
ClientSampled :

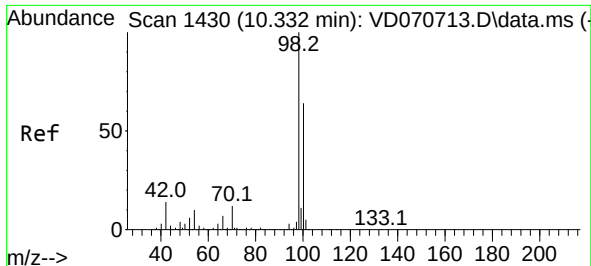
Tgt Ion:117 Resp: 17150
Ion Ratio Lower Upper
117 100
119 4.1 77.4 116.0#
121 0.0 25.4 38.0#



#41
Methacrylonitrile
Concen: 2.012 ug/l
RT: 7.514 min Scan# 951
Delta R.T. 0.000 min
Lab File: VD070805.D
Acq: 21 Oct 2021 17:18

Tgt Ion: 41 Resp: 57
Ion Ratio Lower Upper
41 100
39 0.0 45.2 67.8#
67 0.0 75.8 113.6#
52 166.7 27.8 41.8#

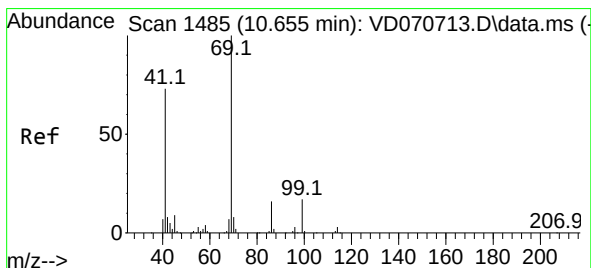
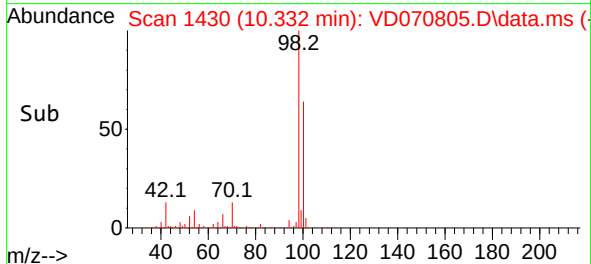
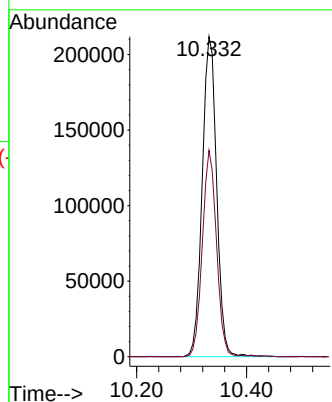
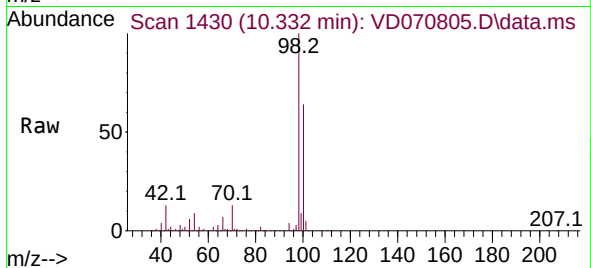




#50
Toluene-d8
Concen: 57.353 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD070805.D
Acq: 21 Oct 2021 17:18

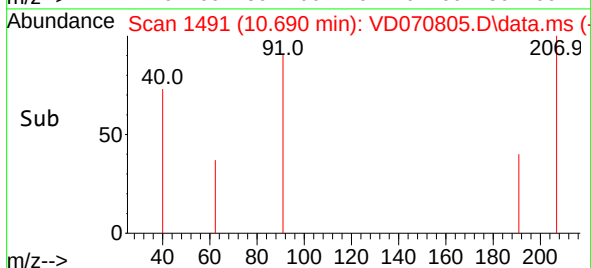
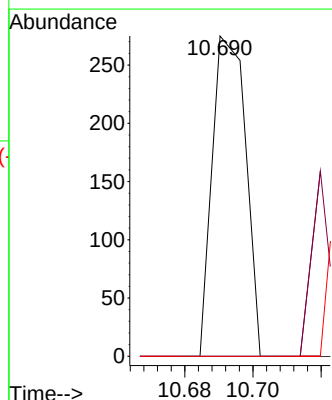
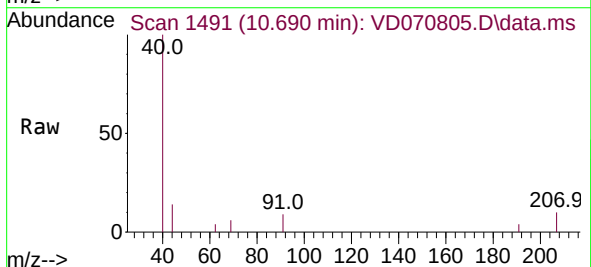
Instrument :
MSVOA_D
ClientSampled :

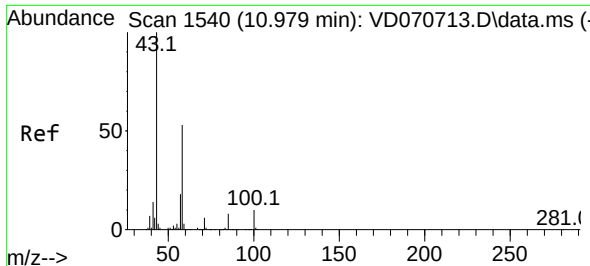
Tgt Ion: 98 Resp: 386025
Ion Ratio Lower Upper
98 100
100 63.0 52.2 78.4



#56
Ethyl methacrylate
Concen: 4.238 ug/l
RT: 10.690 min Scan# 1491
Delta R.T. 0.035 min
Lab File: VD070805.D
Acq: 21 Oct 2021 17:18

Tgt Ion: 69 Resp: 187
Ion Ratio Lower Upper
69 100
41 0.0 44.7 67.1#
39 0.0 19.5 29.3#

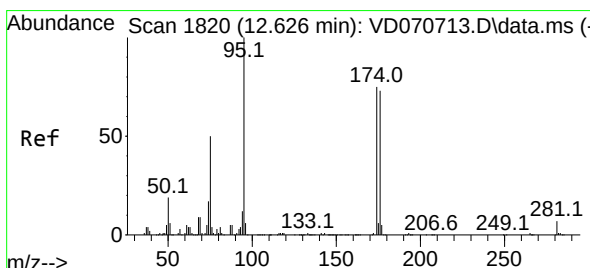
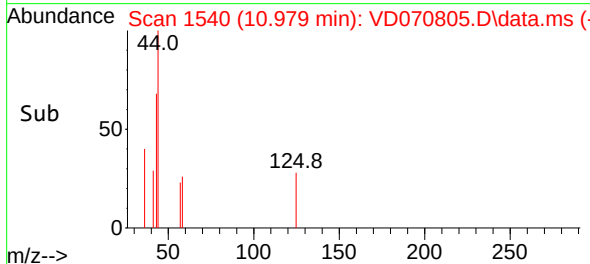
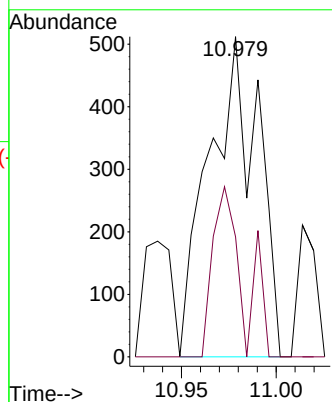
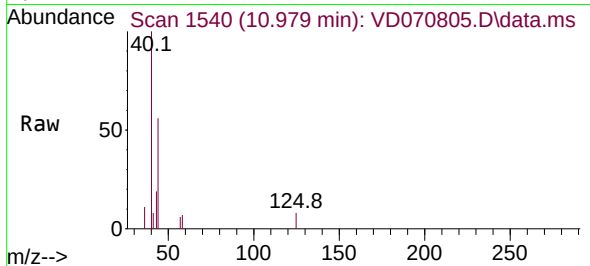




#59
2-Hexanone
Concen: 1.026 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VD070805.D
Acq: 21 Oct 2021 17:18

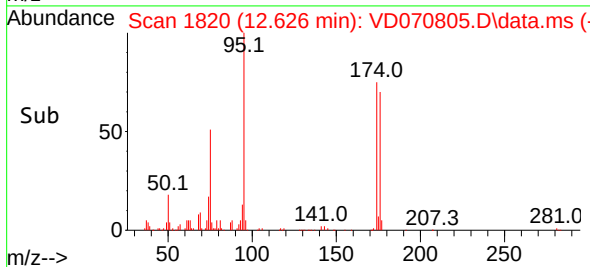
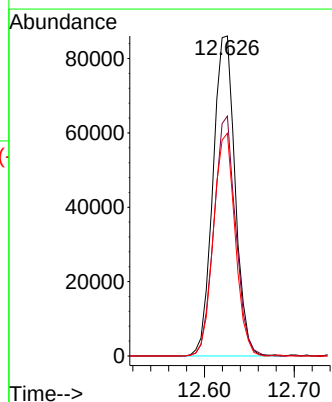
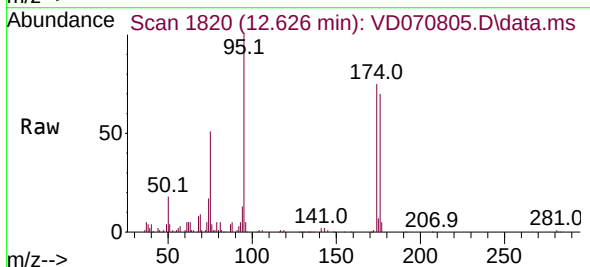
Instrument :
MSVOA_D
ClientSampled :

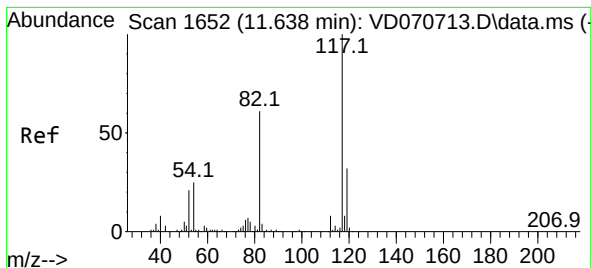
Tgt Ion: 43 Resp: 919
Ion Ratio Lower Upper
43 100
58 33.0 30.4 91.3



#62
4-Bromofluorobenzene
Concen: 63.660 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070805.D
Acq: 21 Oct 2021 17:18

Tgt Ion: 95 Resp: 147537
Ion Ratio Lower Upper
95 100
174 73.5 0.0 138.0
176 68.3 0.0 135.6

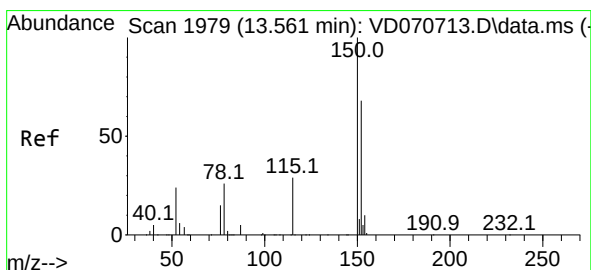
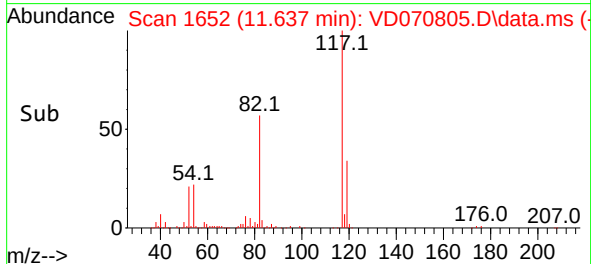
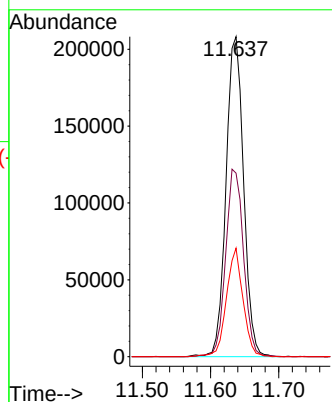
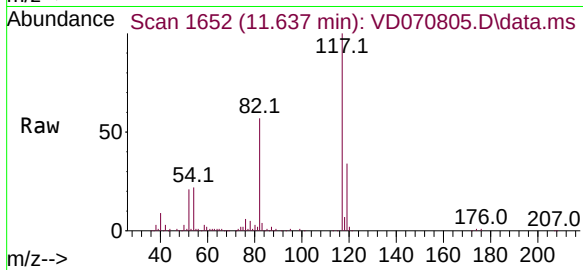




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070805.D
Acq: 21 Oct 2021 17:18

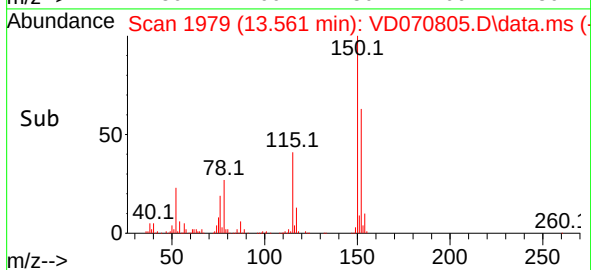
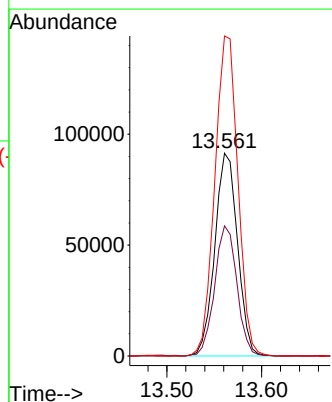
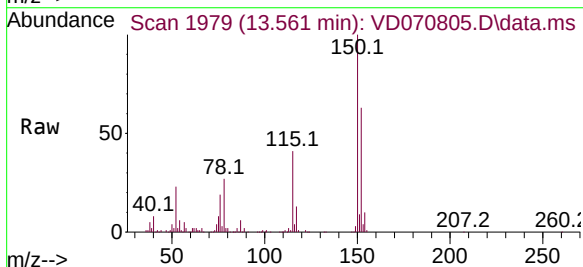
Instrument :
MSVOA_D
ClientSampleId :

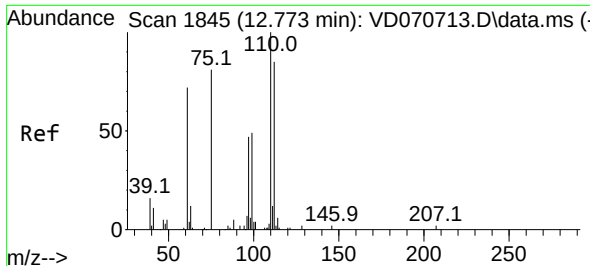
Tgt Ion:117 Resp: 373828
Ion Ratio Lower Upper
117 100
82 57.4 45.4 68.2
119 33.9 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD070805.D
Acq: 21 Oct 2021 17:18

Tgt Ion:152 Resp: 152540
Ion Ratio Lower Upper
152 100
115 62.8 31.9 95.7
150 160.3 0.0 350.0

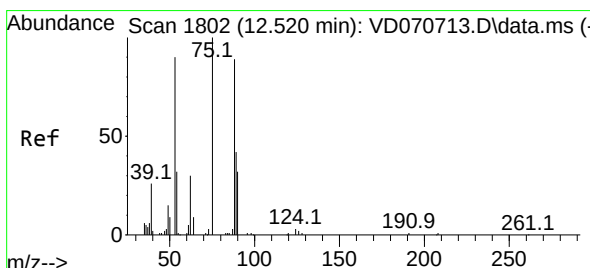
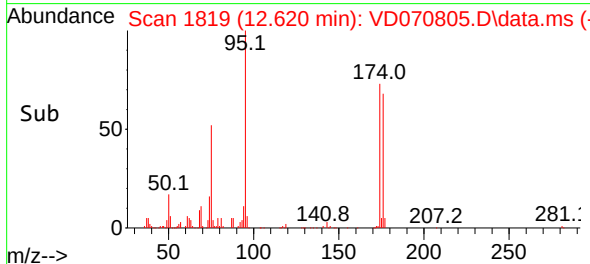
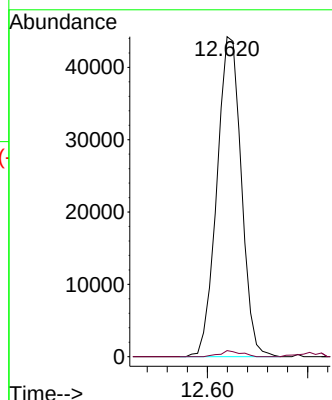
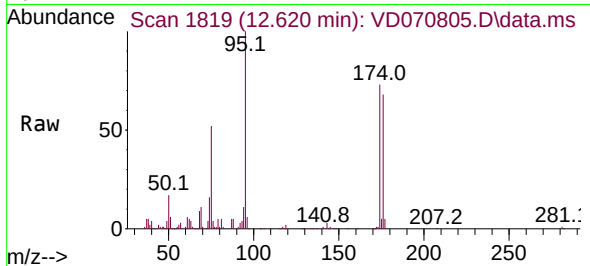




#76
1,2,3-Trichloropropane
Concen: 56.799 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070805.D
Acq: 21 Oct 2021 17:18

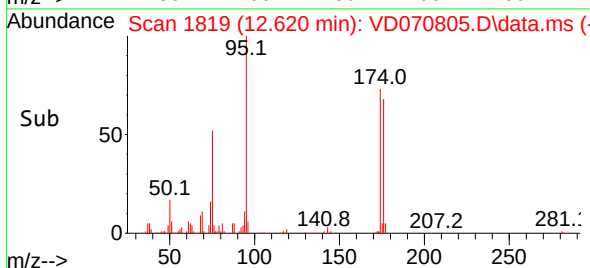
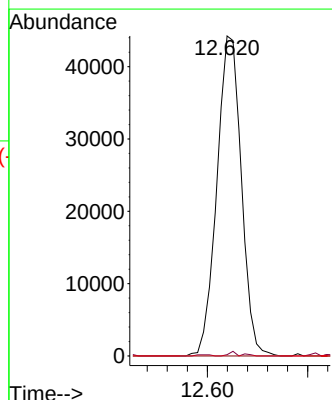
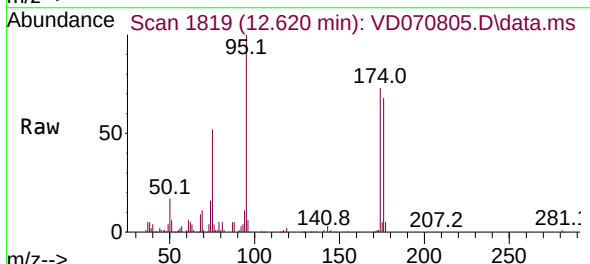
Instrument :
MSVOA_D
ClientSampled :

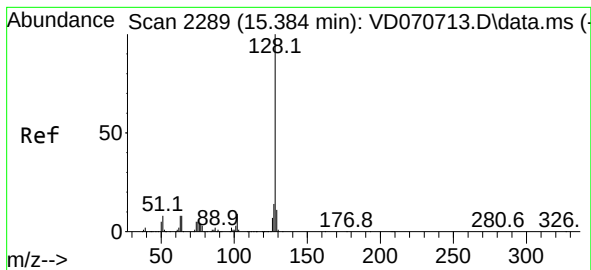
Tgt Ion: 75 Resp: 74855
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 124.408 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070805.D
Acq: 21 Oct 2021 17:18

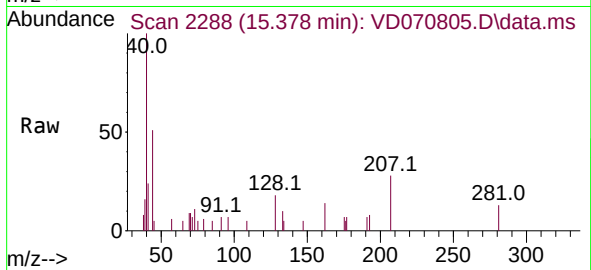
Tgt Ion: 75 Resp: 74855
Ion Ratio Lower Upper
75 100
53 0.6 64.5 96.7#
89 0.0 35.3 52.9#





#95
Naphthalene
Concen: 4.912 ug/l
RT: 15.378 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD070805.D
Acq: 21 Oct 2021 17:18

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 654
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

