

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101821\
 Data File : VD070742.D
 Acq On : 18 Oct 2021 21:00
 Operator : VA/SY
 Sample : M4248-03
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 72-12002

Quant Time: Oct 19 06:43:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:32:03 2021
 Response via : Initial Calibration

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

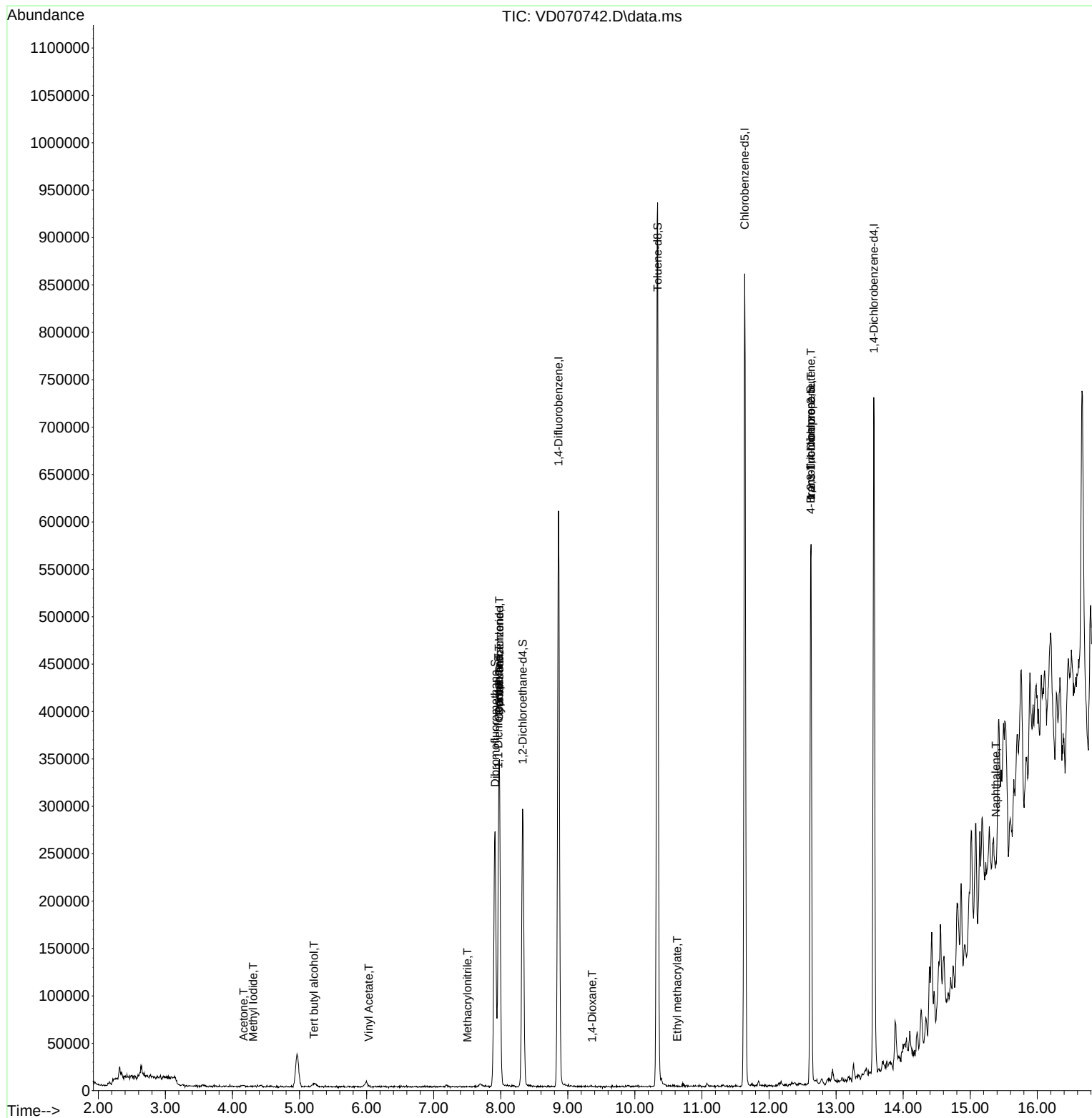
Internal Standards						
1) Pentafluorobenzene	7.979	168	245763	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	483491	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	475837	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	186522	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	232487	79.868	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 159.740%	
35) Dibromofluoromethane	7.915	113	191370	61.816	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 123.640%	
50) Toluene-d8	10.338	98	637507	53.719	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.440%	
62) 4-Bromofluorobenzene	12.620	95	192950	47.219	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 94.440%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.309	142	286	3.407	ug/l #	87
11) Tert butyl alcohol	5.215	59	2577	15.814	ug/l #	72
16) Acetone	4.168	43	1490	2.122	ug/l #	40
23) Vinyl Acetate	6.032	43	297	16.382	ug/l #	69
31) Cyclohexane	7.973	56	6886	1.169	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	23063	4.282	ug/l #	48
38) Carbon Tetrachloride	7.979	117	25996	5.039	ug/l #	16
41) Methacrylonitrile	7.503	41	68	1.990	ug/l #	16
49) 1,4-Dioxane	9.361	88	66	3.132	ug/l #	23
56) Ethyl methacrylate	10.632	69	68	4.172	ug/l #	50
76) 1,2,3-Trichloropropane	12.626	75	98992	61.430	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	98992	134.550	ug/l #	18
95) Naphthalene	15.385	128	15605	7.129	ug/l #	90

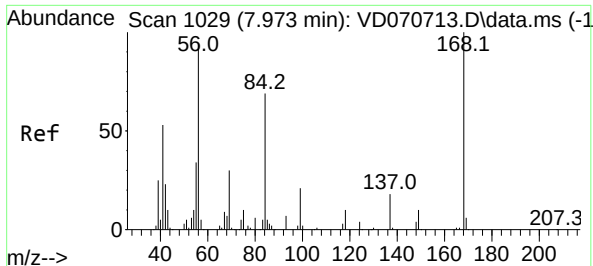
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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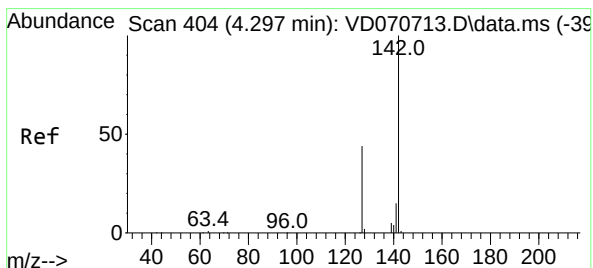
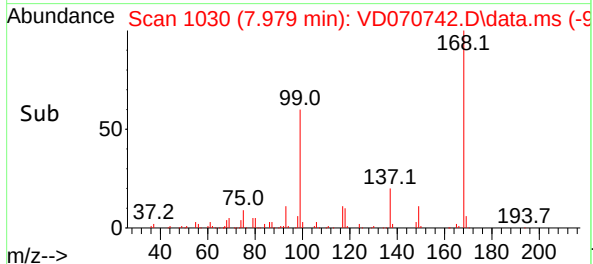
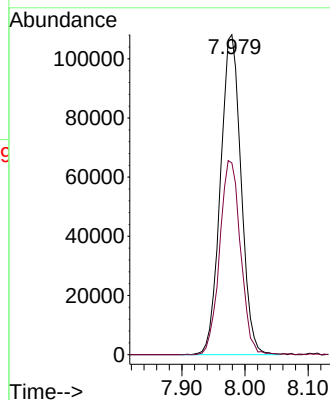
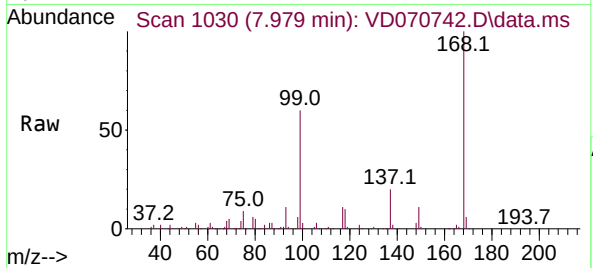




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD070742.D
Acq: 18 Oct 2021 21:00

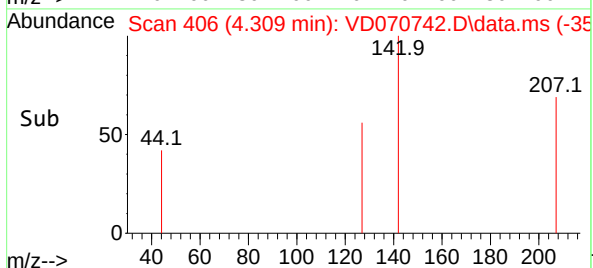
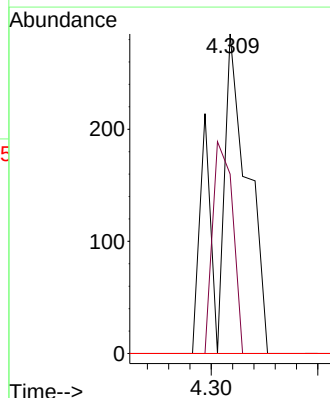
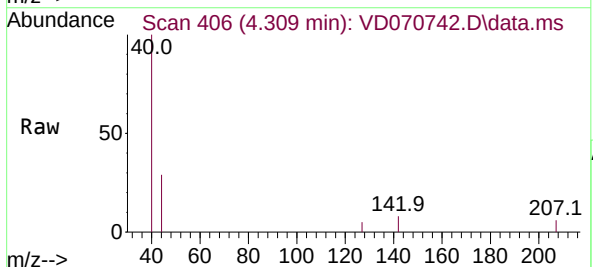
Instrument :
MSVOA_D
ClientSampleId :
72-12002

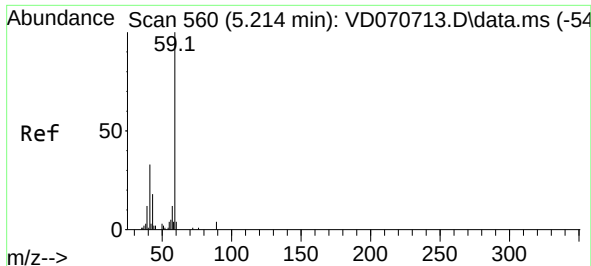
Tgt Ion:168 Resp: 245763
Ion Ratio Lower Upper
168 100
99 59.9 51.4 77.0



#10
Methyl Iodide
Concen: 3.407 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD070742.D
Acq: 18 Oct 2021 21:00

Tgt Ion:142 Resp: 286
Ion Ratio Lower Upper
142 100
127 43.0 37.5 56.3
141 0.0 12.1 18.1#

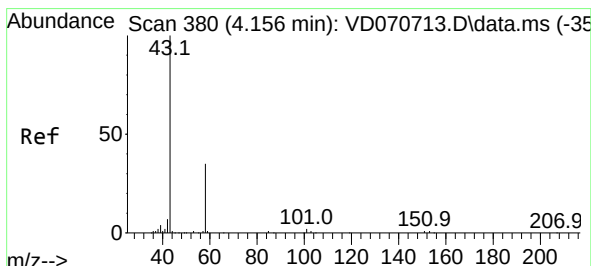
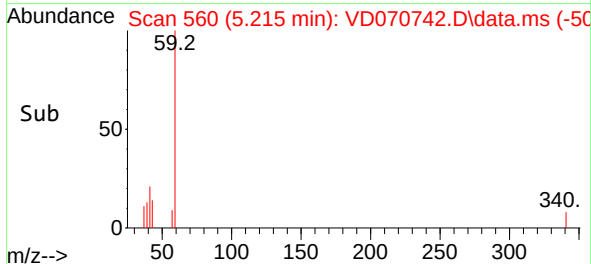
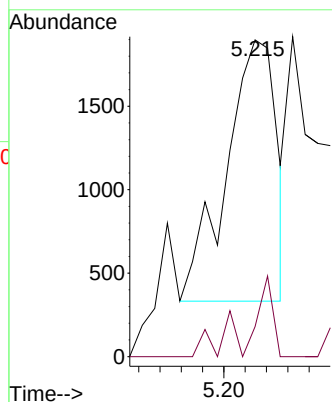
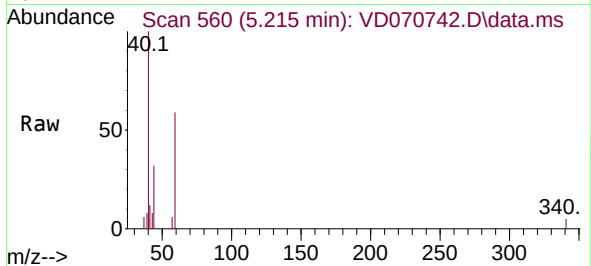




#11
Tert butyl alcohol
Concen: 15.814 ug/l
RT: 5.215 min Scan# 560
Delta R.T. 0.000 min
Lab File: VD070742.D
Acq: 18 Oct 2021 21:00

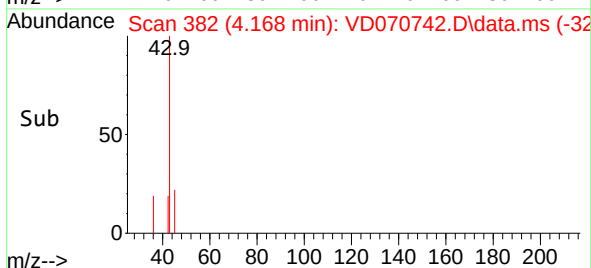
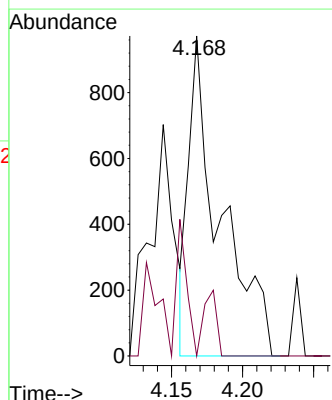
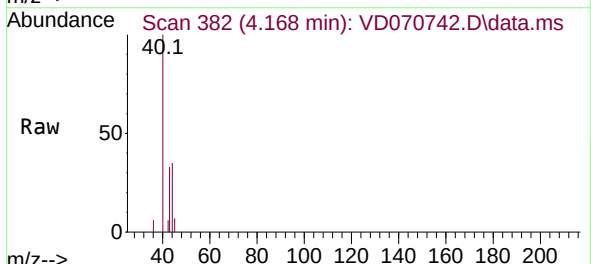
Instrument :
MSVOA_D
ClientSampleId :
72-12002

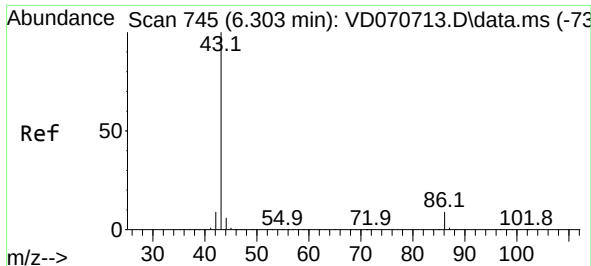
Tgt Ion: 59 Resp: 2577
Ion Ratio Lower Upper
59 100
57 15.1 4.5 6.7#



#16
Acetone
Concen: 2.122 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD070742.D
Acq: 18 Oct 2021 21:00

Tgt Ion: 43 Resp: 1490
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.2#

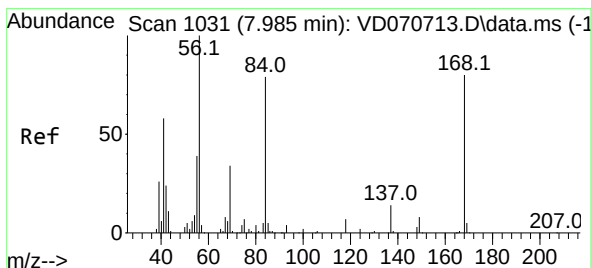
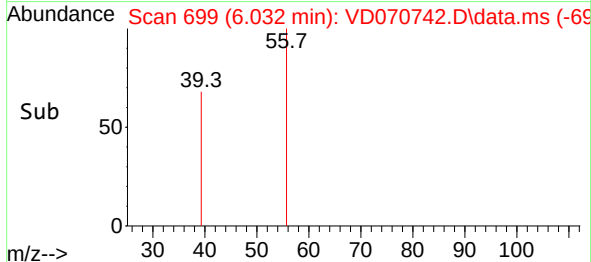
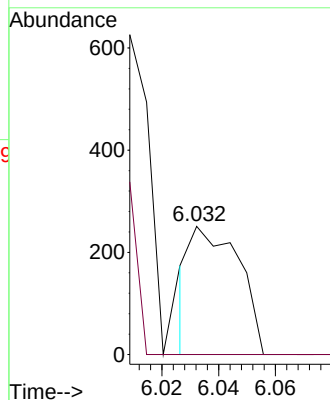
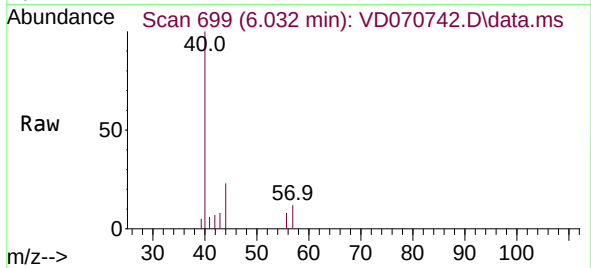




#23
 Vinyl Acetate
 Concen: 16.382 ug/l
 RT: 6.032 min Scan# 699
 Delta R.T. -0.271 min
 Lab File: VD070742.D
 Acq: 18 Oct 2021 21:00

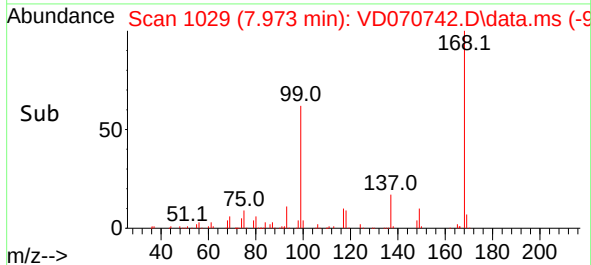
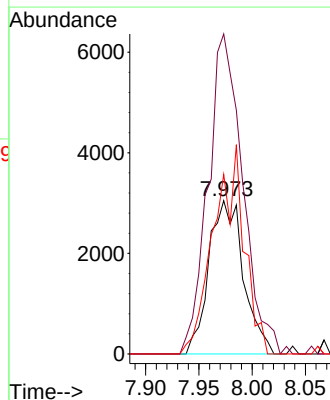
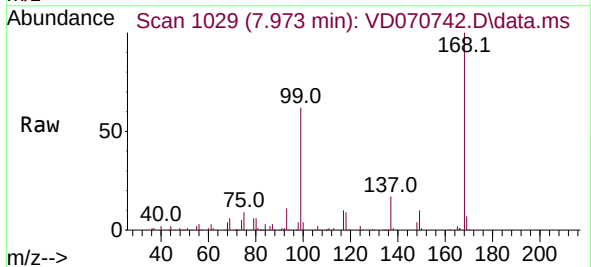
Instrument :
 MSVOA_D
 ClientSampleId :
 72-12002

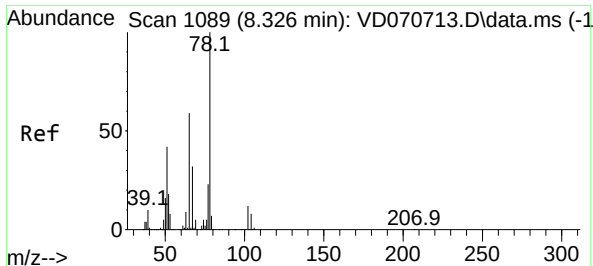
Tgt Ion: 43 Resp: 297
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.8 14.6#



#31
 Cyclohexane
 Concen: 1.169 ug/l
 RT: 7.973 min Scan# 1029
 Delta R.T. -0.012 min
 Lab File: VD070742.D
 Acq: 18 Oct 2021 21:00

Tgt Ion: 56 Resp: 6886
 Ion Ratio Lower Upper
 56 100
 69 208.8 27.4 41.2#
 84 117.1 73.6 110.4#

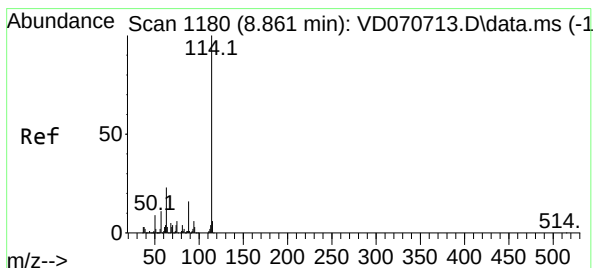
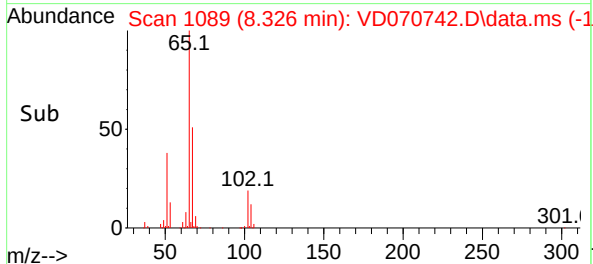
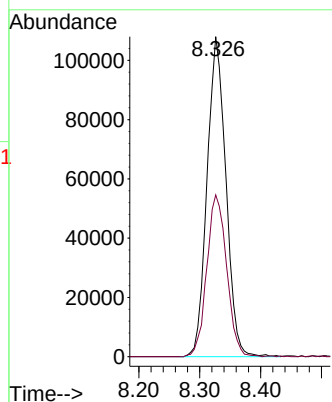
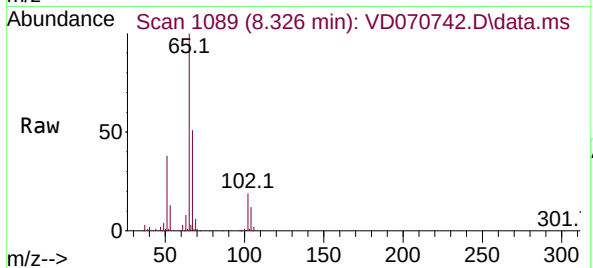




#33
1,2-Dichloroethane-d4
Concen: 79.868 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070742.D
Acq: 18 Oct 2021 21:00

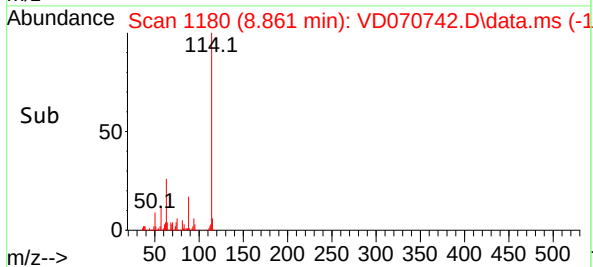
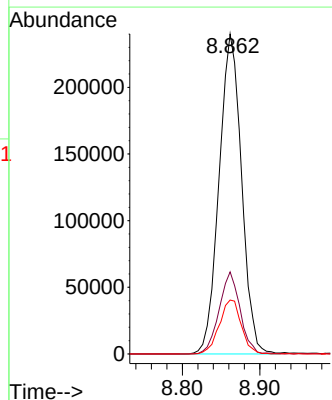
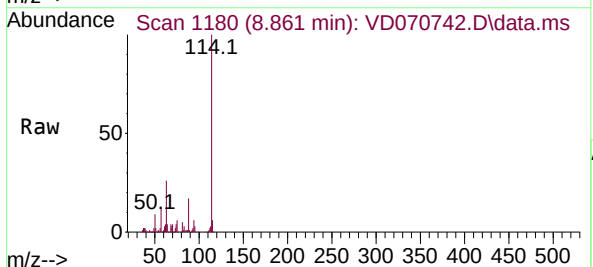
Instrument :
MSVOA_D
ClientSampleId :
72-12002

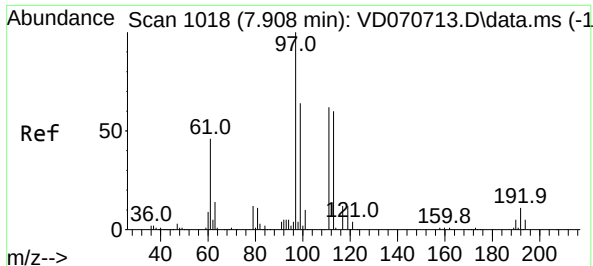
Tgt Ion: 65 Resp: 232487
Ion Ratio Lower Upper
65 100
67 53.2 0.0 110.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070742.D
Acq: 18 Oct 2021 21:00

Tgt Ion: 114 Resp: 483491
Ion Ratio Lower Upper
114 100
63 25.7 0.0 41.8
88 16.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 61.816 ug/l

RT: 7.915 min Scan# 1019

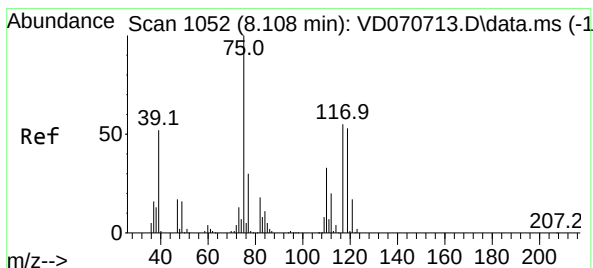
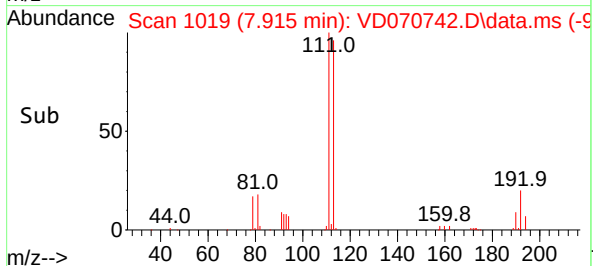
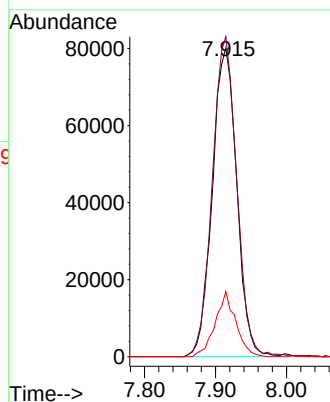
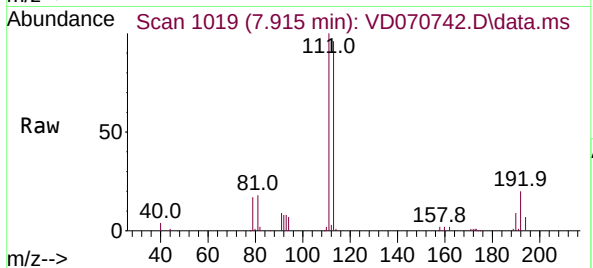
Delta R.T. 0.006 min

Lab File: VD070742.D

Acq: 18 Oct 2021 21:00

Tgt Ion:	113	Resp:	191370
Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.1	124.7
192	17.8	12.7	19.1

Instrument :
MSVOA_D
ClientSampleId :
72-12002



#36

1,1-Dichloropropene

Concen: 4.282 ug/l

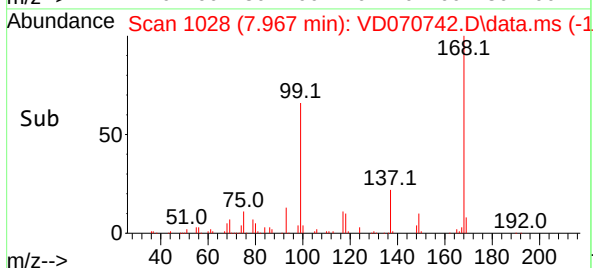
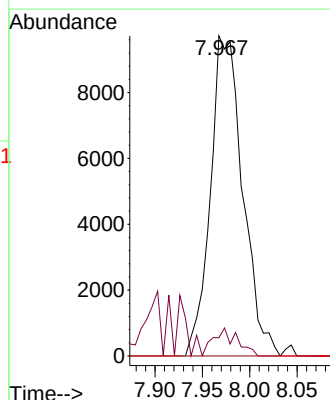
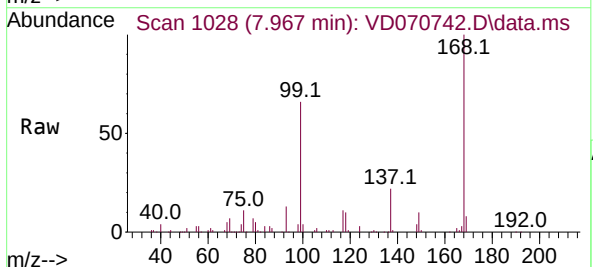
RT: 7.967 min Scan# 1028

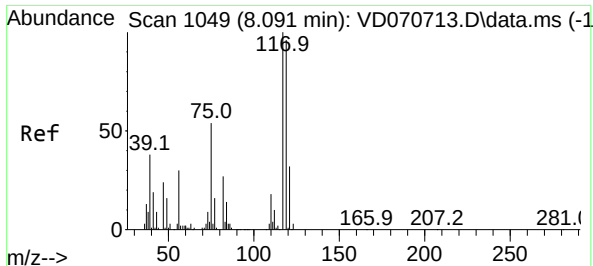
Delta R.T. -0.141 min

Lab File: VD070742.D

Acq: 18 Oct 2021 21:00

Tgt Ion:	75	Resp:	23063
Ion	Ratio	Lower	Upper
75	100		
110	6.4	17.2	51.6#
77	0.0	24.2	36.4#



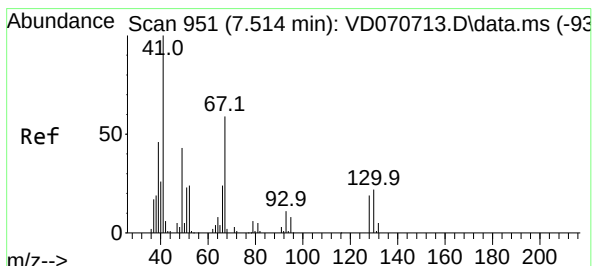
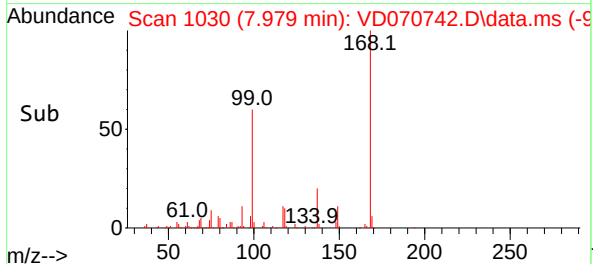
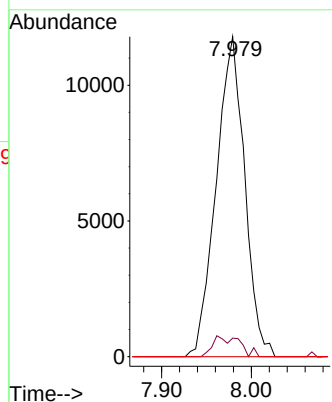
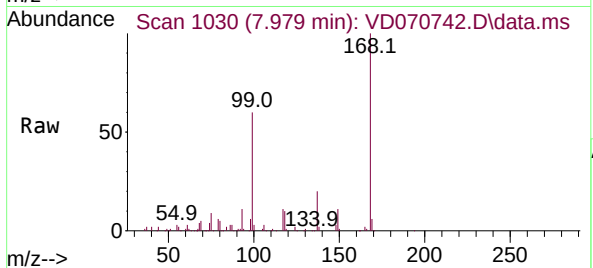


#38

Carbon Tetrachloride
Concen: 5.039 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD070742.D
Acq: 18 Oct 2021 21:00

Instrument :
MSVOA_D
ClientSampleId :
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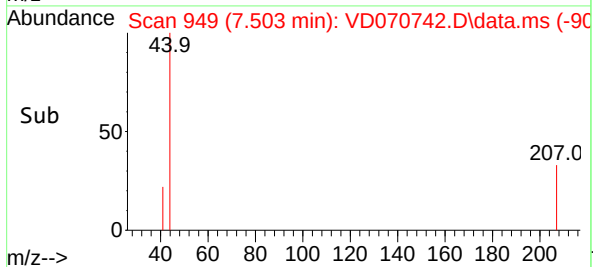
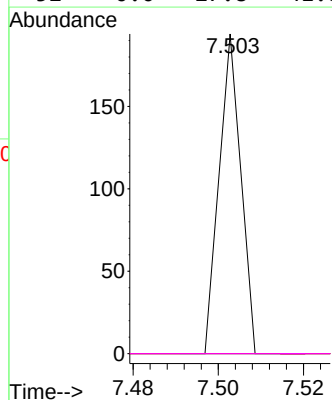
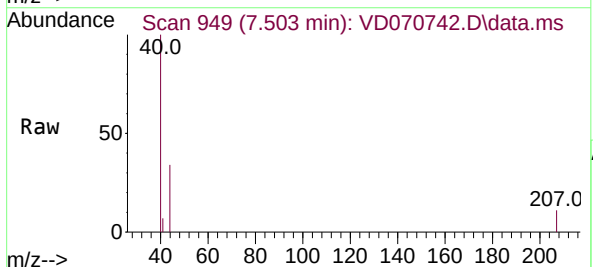
Tgt Ion:117 Resp: 25996
Ion Ratio Lower Upper
117 100
119 5.8 77.4 116.0#
121 0.0 25.4 38.0#

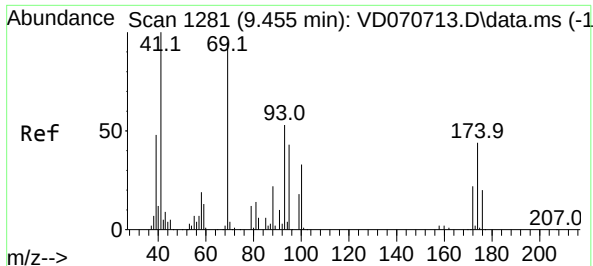


#41

Methacrylonitrile
Concen: 1.990 ug/l
RT: 7.503 min Scan# 949
Delta R.T. -0.011 min
Lab File: VD070742.D
Acq: 18 Oct 2021 21:00

Tgt Ion: 41 Resp: 68
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#

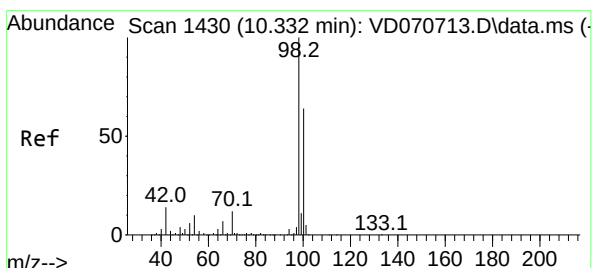
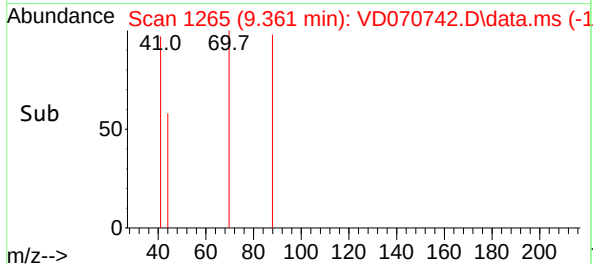
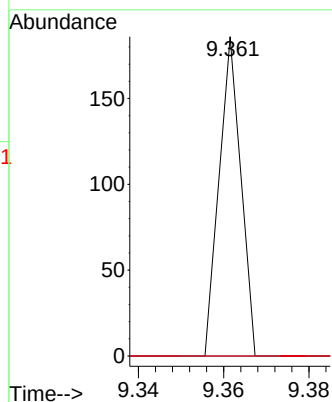
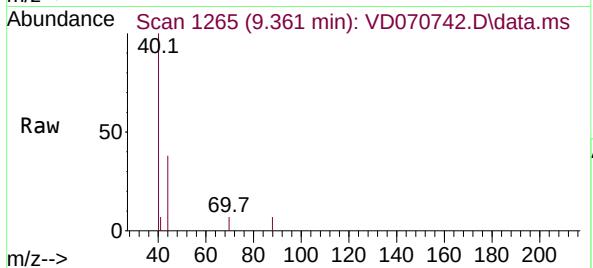




#49
1,4-Dioxane
Concen: 3.132 ug/l
RT: 9.361 min Scan# 1265
Delta R.T. -0.094 min
Lab File: VD070742.D
Acq: 18 Oct 2021 21:00

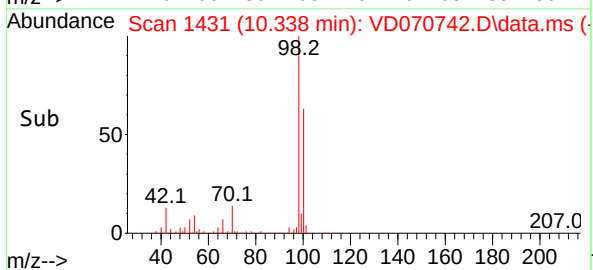
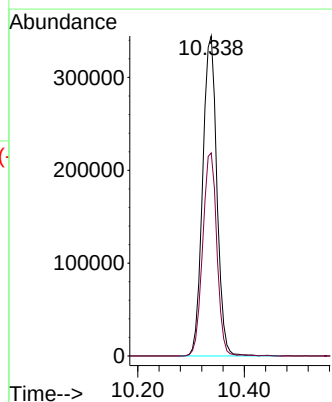
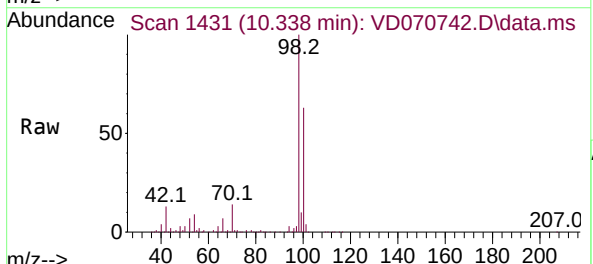
Instrument :
MSVOA_D
ClientSampleId :
72-12002

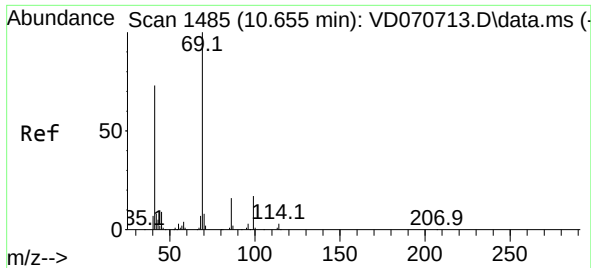
Tgt Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 0.0 25.1 37.7#
58 0.0 57.4 86.0#



#50
Toluene-d8
Concen: 53.719 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070742.D
Acq: 18 Oct 2021 21:00

Tgt Ion: 98 Resp: 637507
Ion Ratio Lower Upper
98 100
100 63.3 52.2 78.4

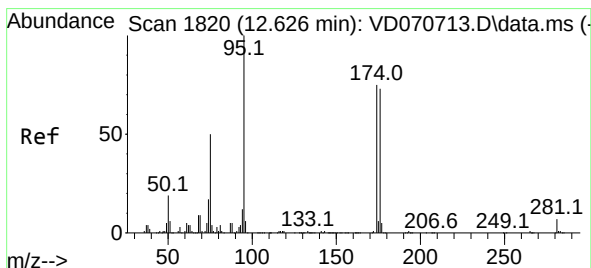
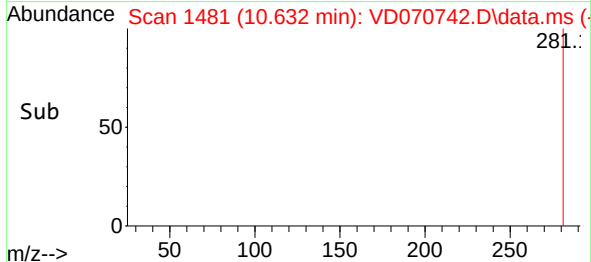
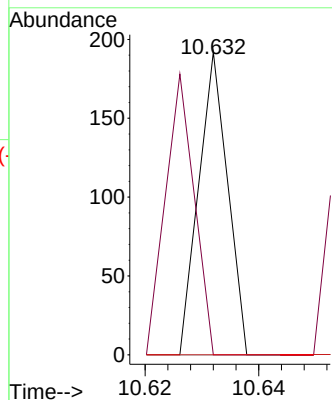
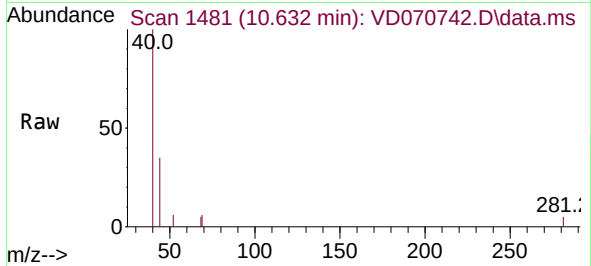




#56
Ethyl methacrylate
Concen: 4.172 ug/l
RT: 10.632 min Scan# 1481
Delta R.T. -0.023 min
Lab File: VD070742.D
Acq: 18 Oct 2021 21:00

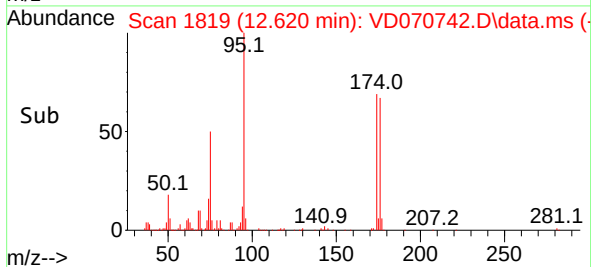
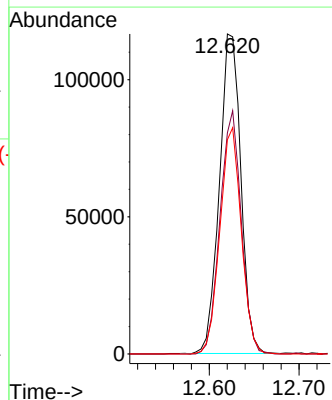
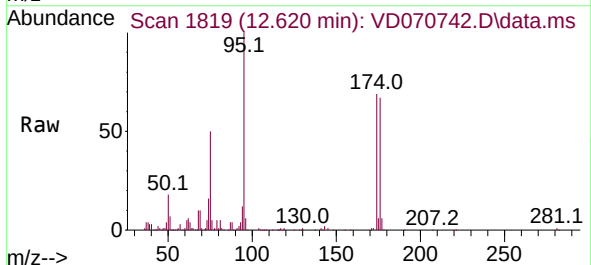
Instrument :
MSVOA_D
ClientSampleId :
72-12002

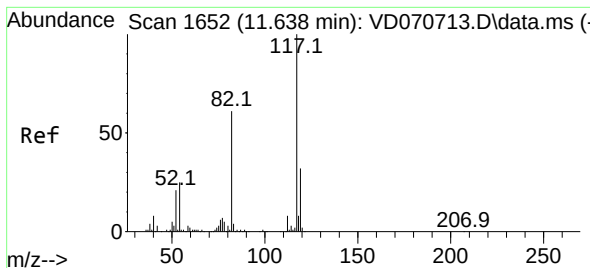
Tgt Ion:	69	Resp:	68
Ion	Ratio	Lower	Upper
69	100		
41	92.6	44.7	67.1#
39	0.0	19.5	29.3#



#62
4-Bromofluorobenzene
Concen: 47.219 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070742.D
Acq: 18 Oct 2021 21:00

Tgt Ion:	95	Resp:	192950
Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	138.0
176	70.9	0.0	135.6

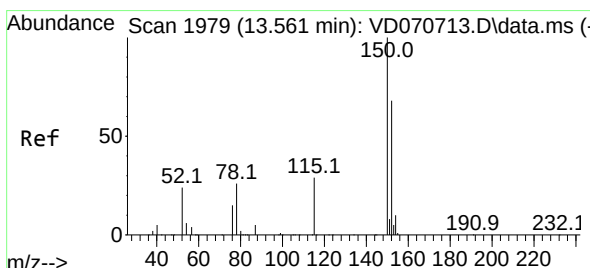
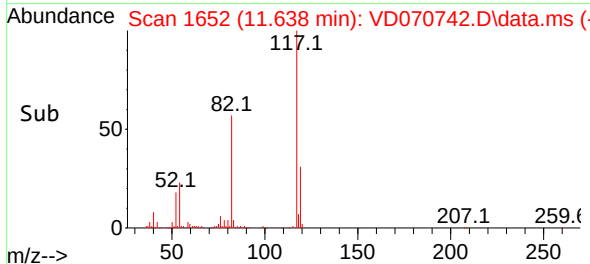
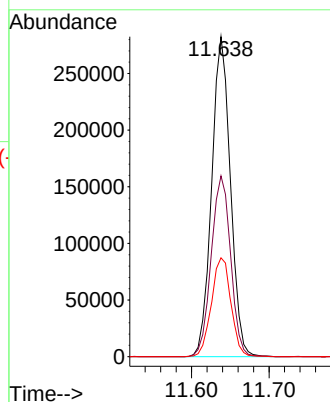
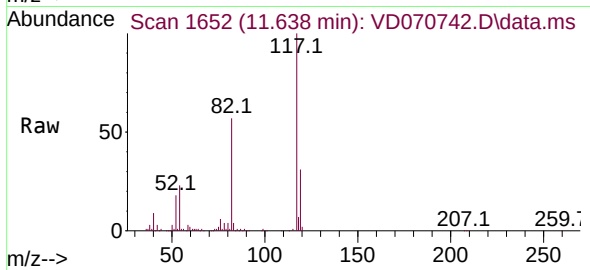




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070742.D
Acq: 18 Oct 2021 21:00

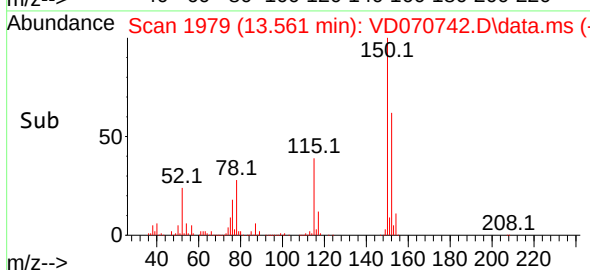
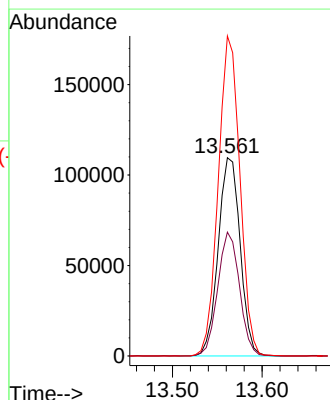
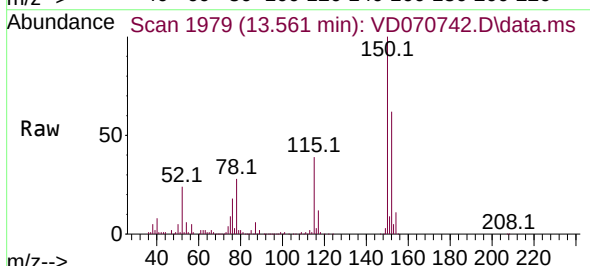
Instrument :
MSVOA_D
ClientSampleId :
72-12002

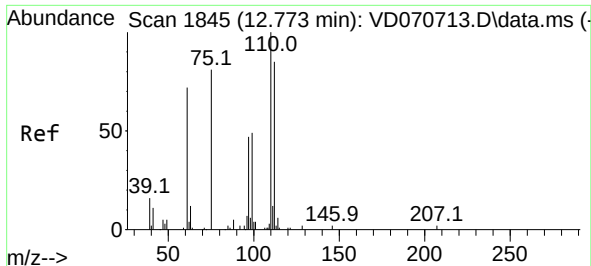
Tgt Ion:117 Resp: 475837
Ion Ratio Lower Upper
117 100
82 56.5 45.4 68.2
119 30.9 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070742.D
Acq: 18 Oct 2021 21:00

Tgt Ion:152 Resp: 186522
Ion Ratio Lower Upper
152 100
115 61.8 31.9 95.7
150 158.9 0.0 350.0

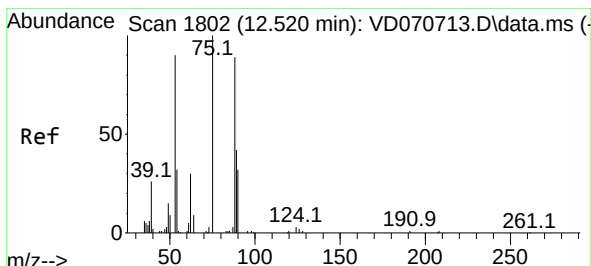
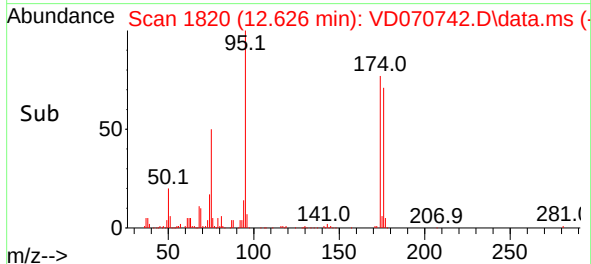
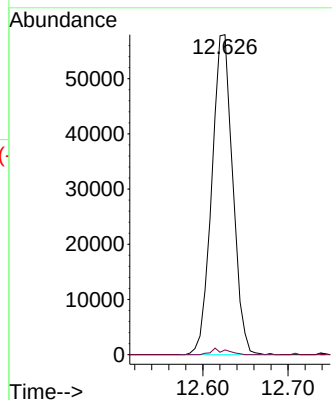
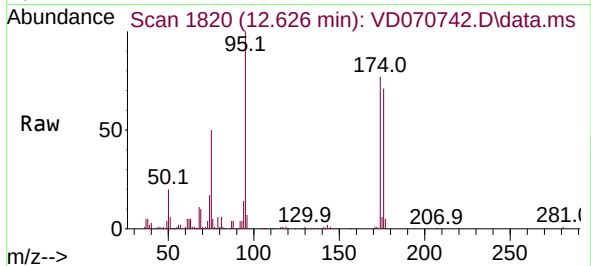




#76
1,2,3-Trichloropropane
Concen: 61.430 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070742.D
Acq: 18 Oct 2021 21:00

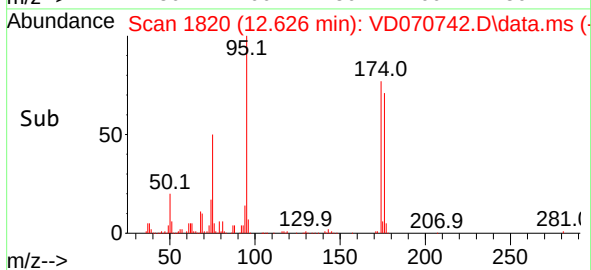
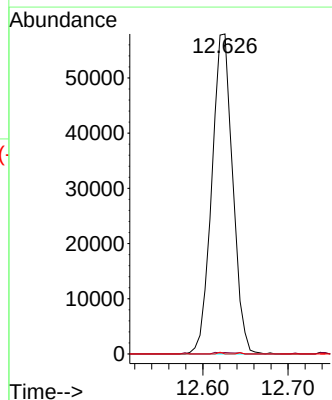
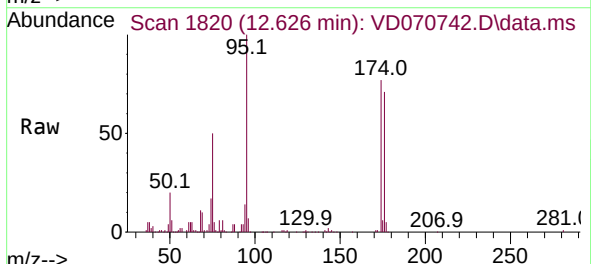
Instrument :
MSVOA_D
ClientSampleId :
72-12002

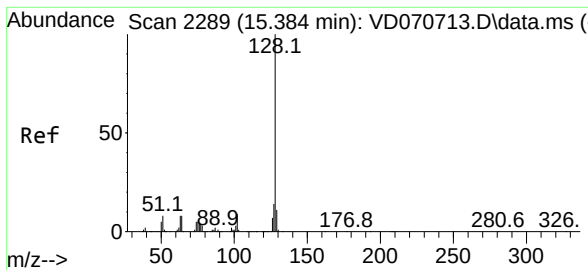
Tgt Ion: 75 Resp: 98992
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 134.550 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070742.D
Acq: 18 Oct 2021 21:00

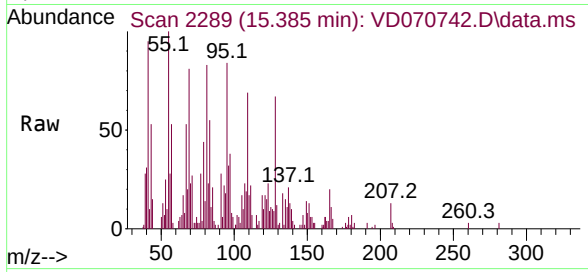
Tgt Ion: 75 Resp: 98992
Ion Ratio Lower Upper
75 100
53 0.5 64.5 96.7#
89 0.1 35.3 52.9#





#95
Naphthalene
Concen: 7.129 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. 0.001 min
Lab File: VD070742.D
Acq: 18 Oct 2021 21:00

Instrument :
MSVOA_D
ClientSampleId :
72-12002



Tgt Ion:128 Resp: 15605
Ion Ratio Lower Upper
128 100
127 17.5 10.9 16.3#
129 7.0 8.6 12.8#

