

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060821\
 Data File : VU044093.D
 Acq On : 08 Jun 2021 06:26
 Operator : SY/MD
 Sample : M2613-16
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 08 07:15:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 08 05:21:34 2021
 Response via : Initial Calibration

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

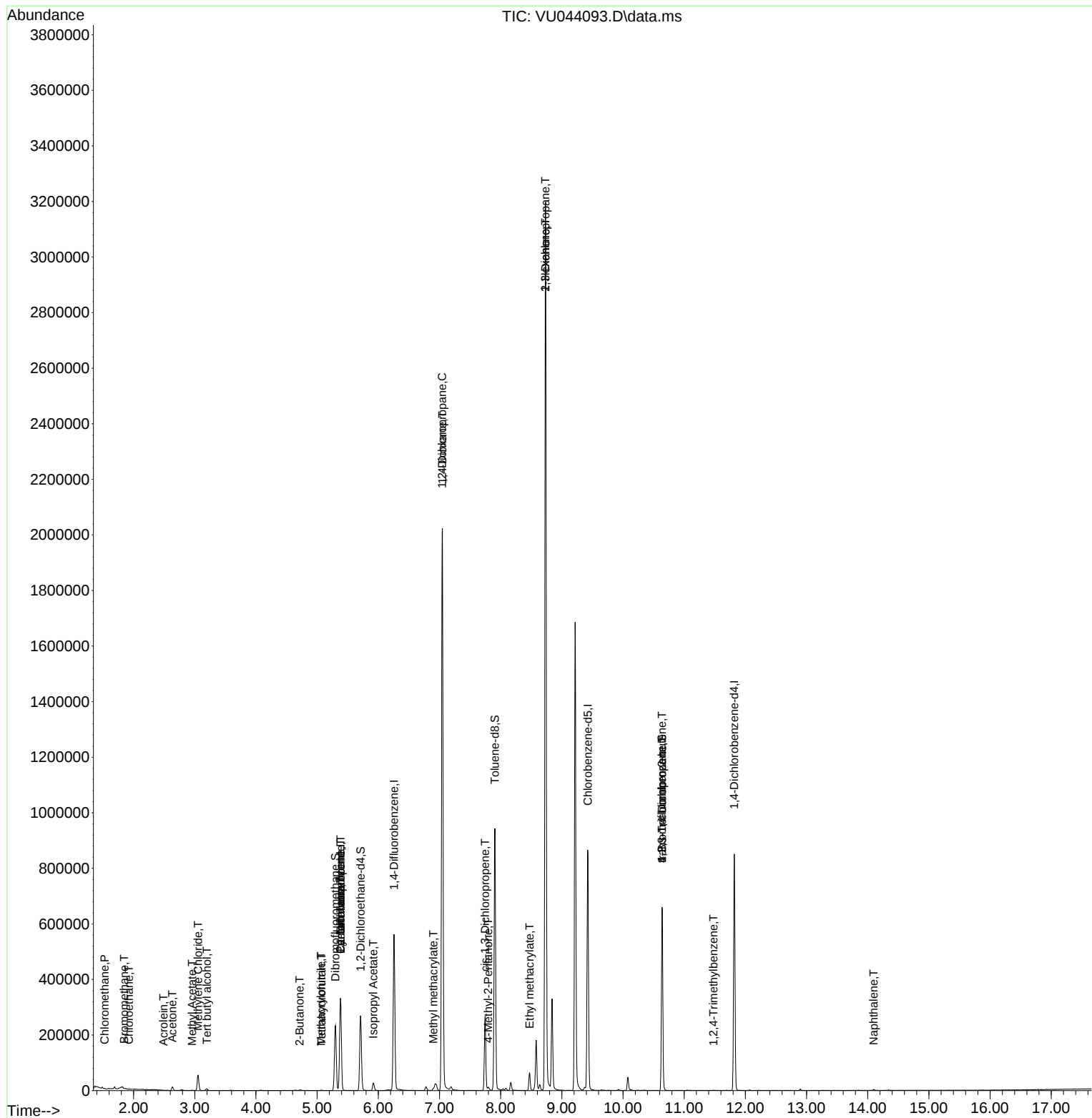
Internal Standards						
1) Pentafluorobenzene	5.382	168	218003	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	427303	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	451918	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	211975	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	195867	51.589	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.180%	
35) Dibromofluoromethane	5.298	113	150965	49.508	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.020%	
50) Toluene-d8	7.906	98	595192	50.604	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.200%	
62) 4-Bromofluorobenzene	10.639	95	219420	47.119	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.240%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.527	50	1007	0.223	ug/l #	75
5) Bromomethane	1.845	94	684	0.409	ug/l	93
6) Chloroethane	1.925	64	642	0.260	ug/l #	43
11) Tert butyl alcohol	3.199	59	4561	4.846	ug/l #	72
13) Acrolein	2.491	56	394	0.532	ug/l #	69
16) Acetone	2.636	43	13788	6.292	ug/l	97
18) Methyl Acetate	2.957	43	1968	0.407	ug/l #	77
20) Methylene Chloride	3.054	84	27239	6.822	ug/l	92
25) 2-Butanone	4.713	43	1655	0.529	ug/l	94
29) Tetrahydrofuran	5.073	42	998	0.575	ug/l #	85
31) Cyclohexane	5.382	56	4884	0.932	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	19386	4.027	ug/l #	50
38) Carbon Tetrachloride	5.382	117	23771	5.465	ug/l #	17
41) Methacrylonitrile	5.067	41	661	0.207	ug/l #	38
43) Isopropyl Acetate	5.919	43	28487	3.322	ug/l	99
45) 1,2-Dichloropropane	7.044	63	2595	0.655	ug/l #	42
48) Methyl methacrylate	6.899	41	9990	2.363	ug/l #	14
49) 1,4-Dioxane	7.047	88	210	2.020	ug/l #	1
51) 4-Methyl-2-Pentanone	7.796	43	7045	1.106	ug/l	95
54) cis-1,3-Dichloropropene	7.745	75	47646	8.093	ug/l #	65
56) Ethyl methacrylate	8.472	69	309	3.431	ug/l #	1
57) 1,3-Dichloropropane	8.732	76	32174	4.963	ug/l #	43
59) 2-Hexanone	8.732	43	424811	85.838	ug/l #	50
76) 1,2,3-Trichloropropane	10.639	75	115800	19.528	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.639	75	115800	57.022	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.478	105	438	0.980	ug/l #	32
95) Naphthalene	14.095	128	2772	3.026	ug/l #	92

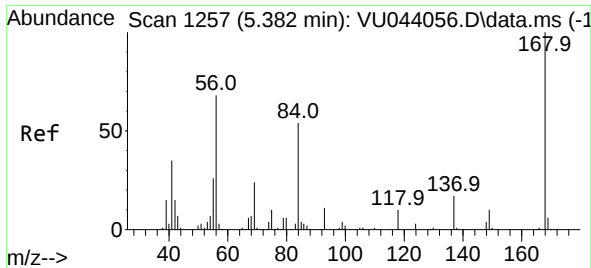
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060821\
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ClientSampleId :

Quant Time: Jun 08 07:15:25 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060721W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 08 05:21:34 2021
Response via : Initial Calibration

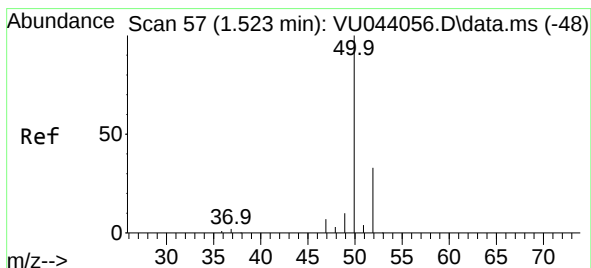
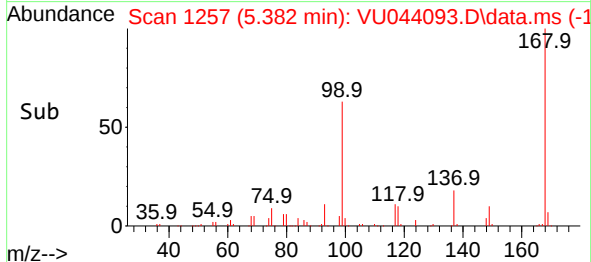
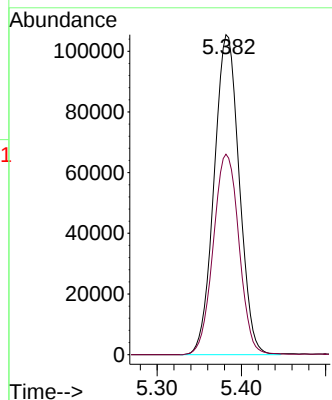
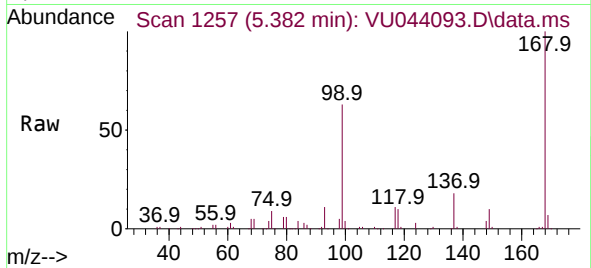




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044093.D
Acq: 08 Jun 2021 06:26

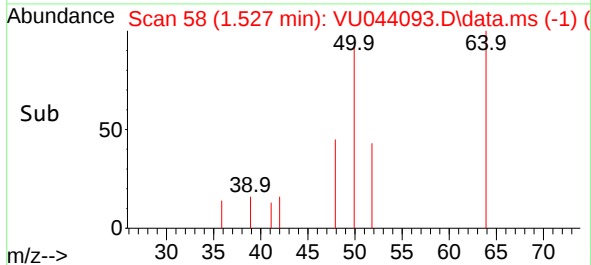
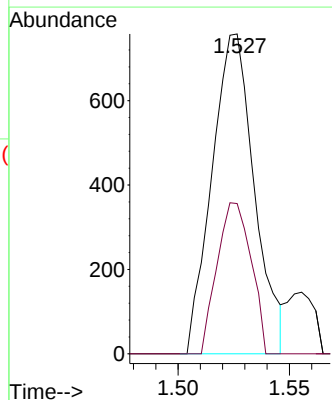
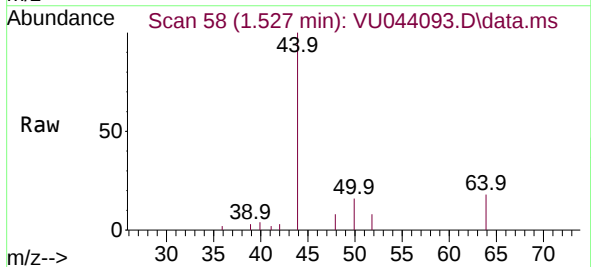
Instrument :
MSVOA_U
ClientSampled :

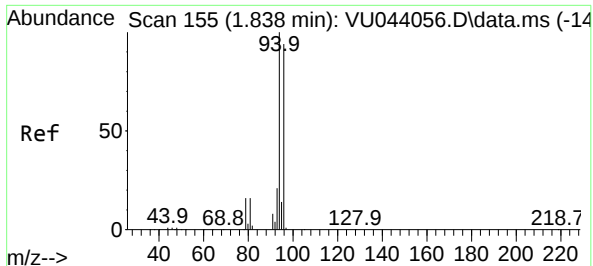
Tgt Ion:168 Resp: 218003
Ion Ratio Lower Upper
168 100
99 62.6 52.6 78.8



#3
Chloromethane
Concen: 0.223 ug/l
RT: 1.527 min Scan# 58
Delta R.T. 0.003 min
Lab File: VU044093.D
Acq: 08 Jun 2021 06:26

Tgt Ion: 50 Resp: 1007
Ion Ratio Lower Upper
50 100
52 47.0 26.2 39.2#

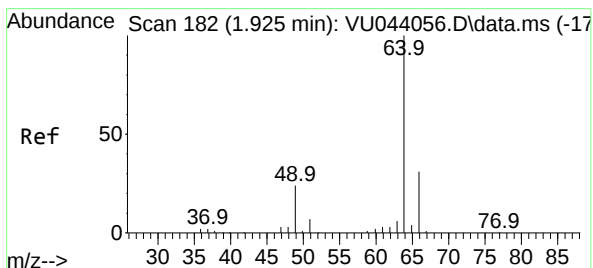
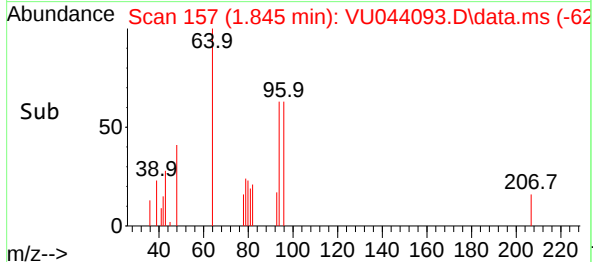
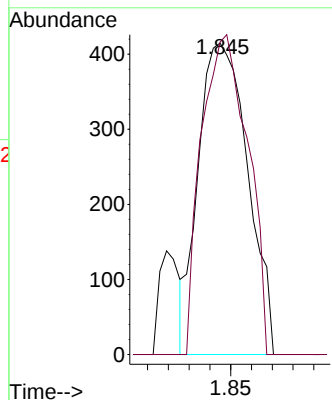
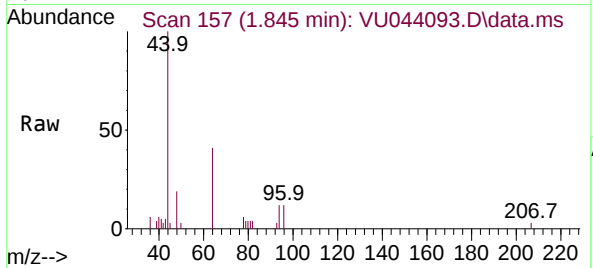




#5
Bromomethane
Concen: 0.409 ug/l
RT: 1.845 min Scan# 157
Delta R.T. 0.007 min
Lab File: VU044093.D
Acq: 08 Jun 2021 06:26

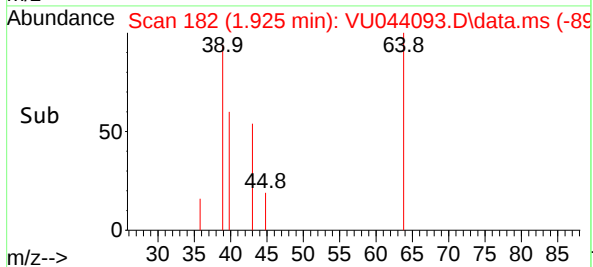
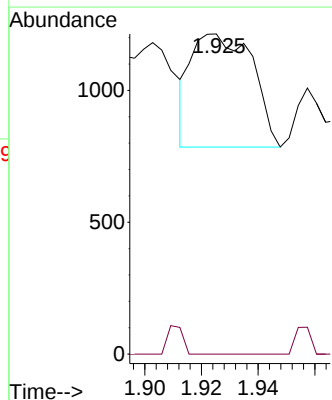
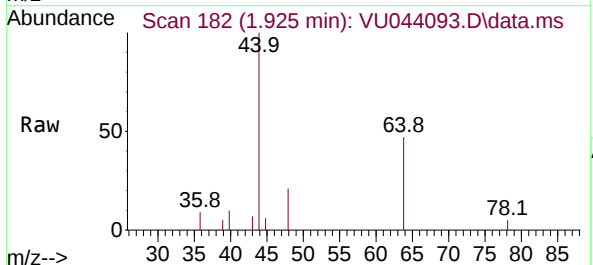
Instrument :
MSVOA_U
ClientSampled :

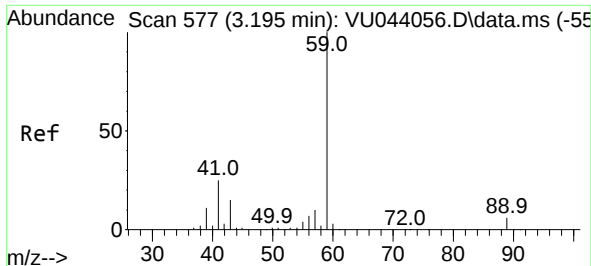
Tgt Ion: 94 Resp: 684
Ion Ratio Lower Upper
94 100
96 100.2 74.8 112.2



#6
Chloroethane
Concen: 0.260 ug/l
RT: 1.925 min Scan# 182
Delta R.T. -0.000 min
Lab File: VU044093.D
Acq: 08 Jun 2021 06:26

Tgt Ion: 64 Resp: 642
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.6#

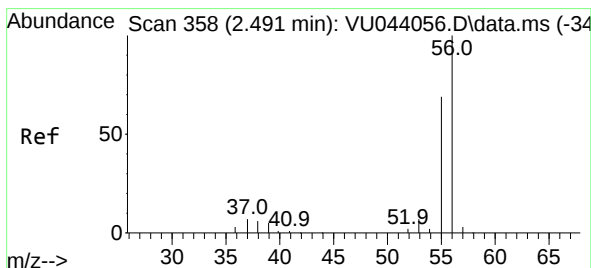
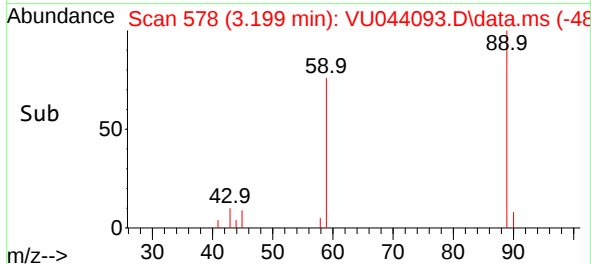
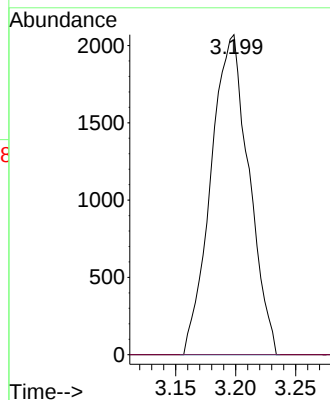
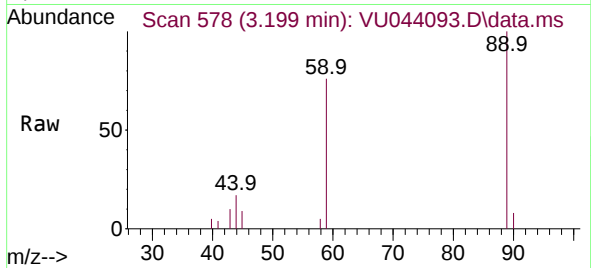




#11
Tert butyl alcohol
Concen: 4.846 ug/l
RT: 3.199 min Scan# 578
Delta R.T. 0.003 min
Lab File: VU044093.D
Acq: 08 Jun 2021 06:26

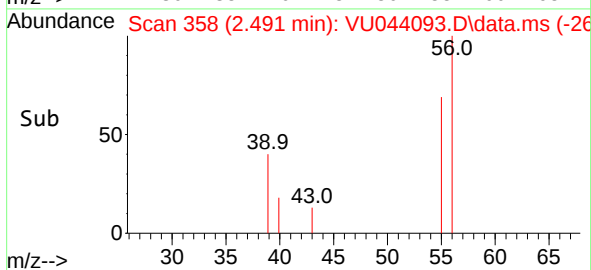
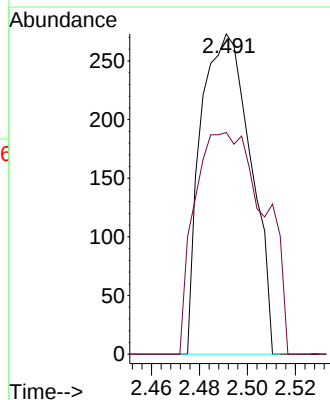
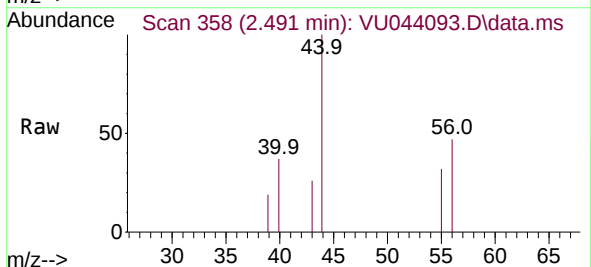
Instrument :
MSVOA_U
ClientSampled :

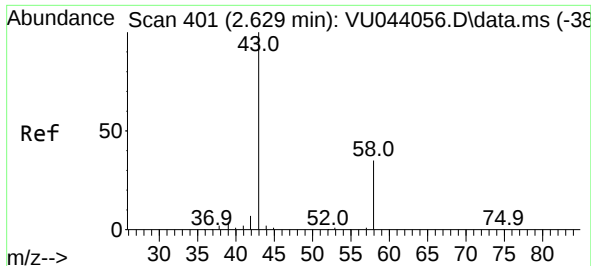
Tgt Ion: 59 Resp: 4561
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.532 ug/l
RT: 2.491 min Scan# 358
Delta R.T. -0.000 min
Lab File: VU044093.D
Acq: 08 Jun 2021 06:26

Tgt Ion: 56 Resp: 394
Ion Ratio Lower Upper
56 100
55 95.7 56.1 84.1#

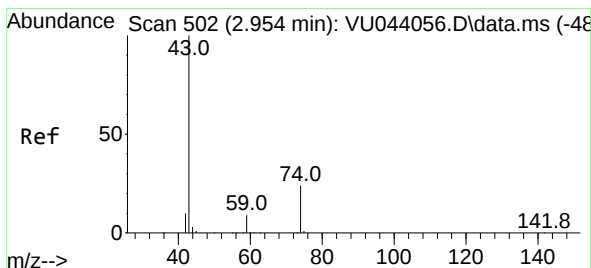
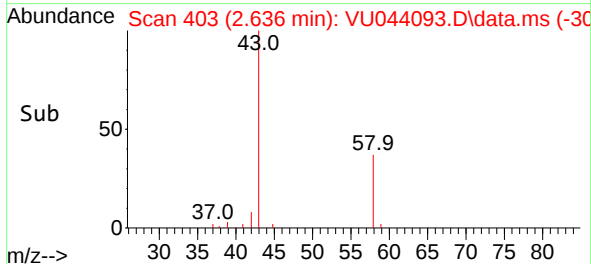
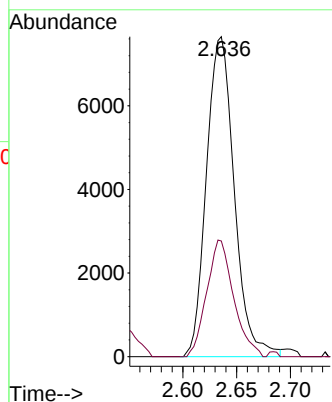
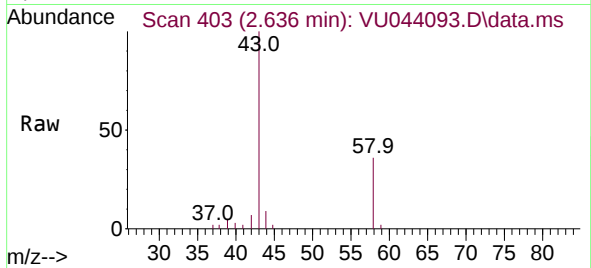




#16
Acetone
Concen: 6.292 ug/l
RT: 2.636 min Scan# 403
Delta R.T. 0.006 min
Lab File: VU044093.D
Acq: 08 Jun 2021 06:26

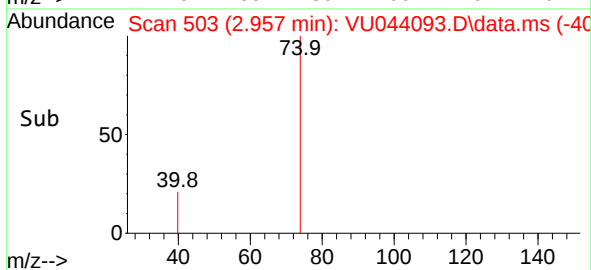
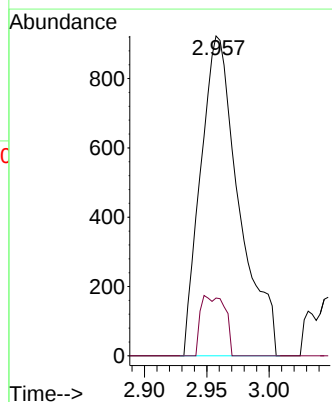
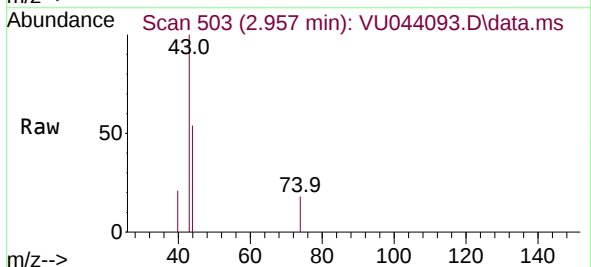
Instrument :
MSVOA_U
ClientSampled :

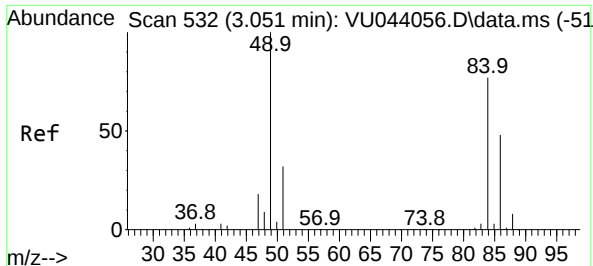
Tgt Ion: 43 Resp: 13788
Ion Ratio Lower Upper
43 100
58 36.2 27.7 41.5



#18
Methyl Acetate
Concen: 0.407 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.003 min
Lab File: VU044093.D
Acq: 08 Jun 2021 06:26

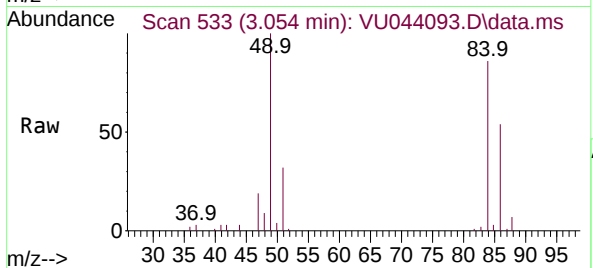
Tgt Ion: 43 Resp: 1968
Ion Ratio Lower Upper
43 100
74 12.0 18.7 28.1#



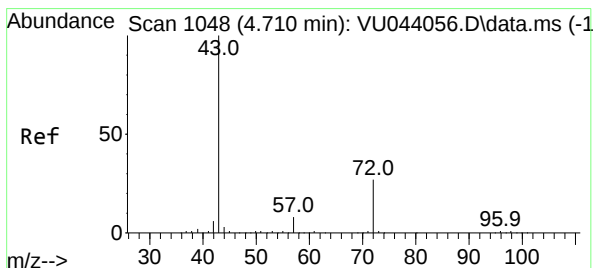
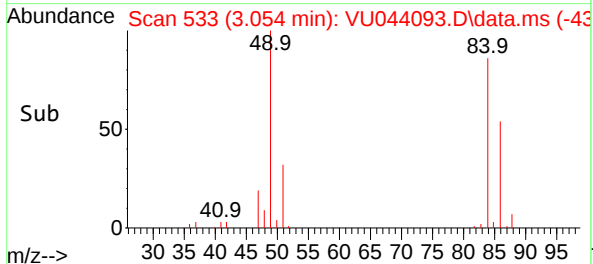
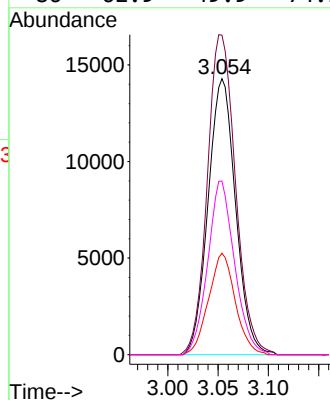


#20
Methylene Chloride
Concen: 6.822 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU044093.D
Acq: 08 Jun 2021 06:26

Instrument :
MSVOA_U
ClientSampled :

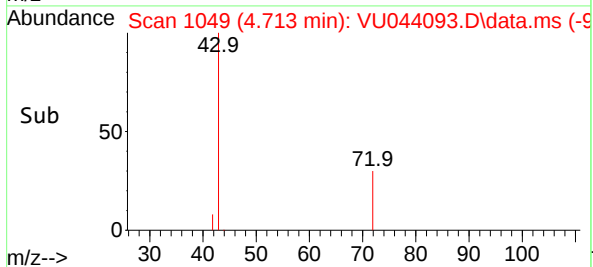
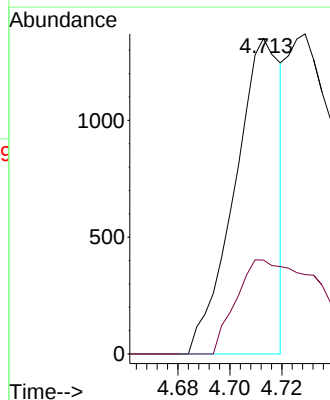
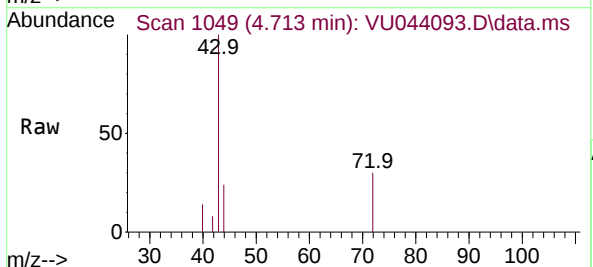


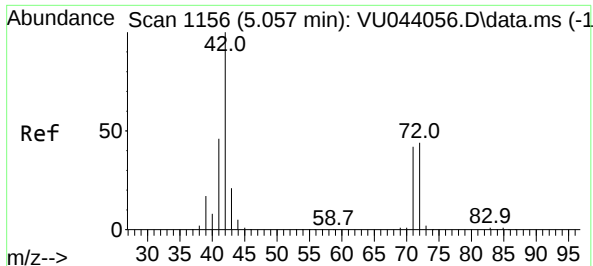
Tgt Ion:	84	Resp:	27239
Ion	Ratio	Lower	Upper
84	100		
49	115.8	103.6	155.4
51	36.8	32.8	49.2
86	62.9	49.9	74.9



#25
2-Butanone
Concen: 0.529 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. 0.003 min
Lab File: VU044093.D
Acq: 08 Jun 2021 06:26

Tgt Ion:	43	Resp:	1655
Ion	Ratio	Lower	Upper
43	100		
72	29.8	21.4	32.2





#29

Tetrahydrofuran

Concen: 0.575 ug/l

RT: 5.073 min Scan# 1161

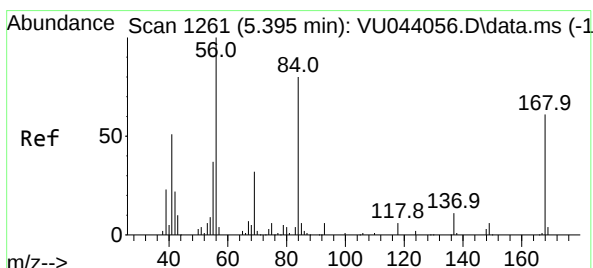
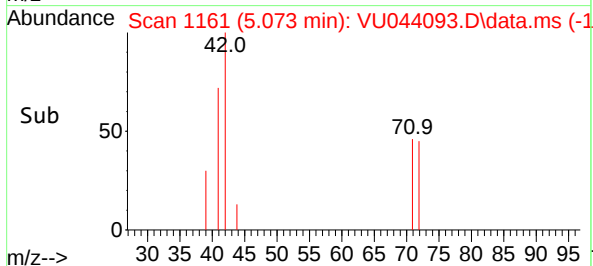
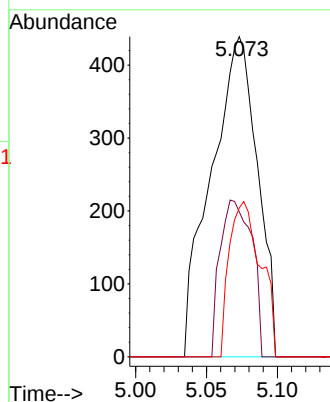
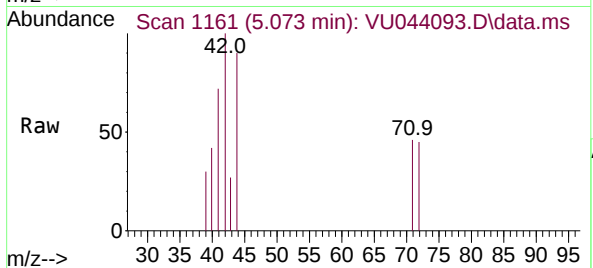
Delta R.T. 0.016 min

Lab File: VU044093.D

Acq: 08 Jun 2021 06:26

Tgt Ion:	42	Resp:	998
Ion	Ratio	Lower	Upper
42	100		
72	33.7	35.6	53.4#
71	32.8	33.3	49.9#

Instrument :
MSVOA_U
ClientSampled :



#31

Cyclohexane

Concen: 0.932 ug/l

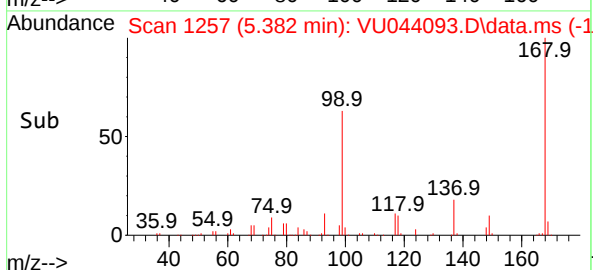
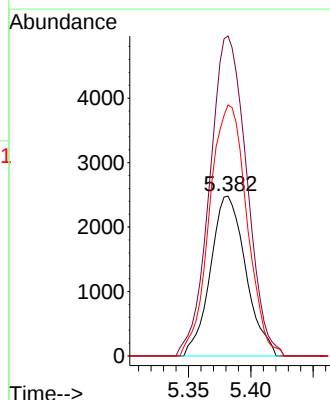
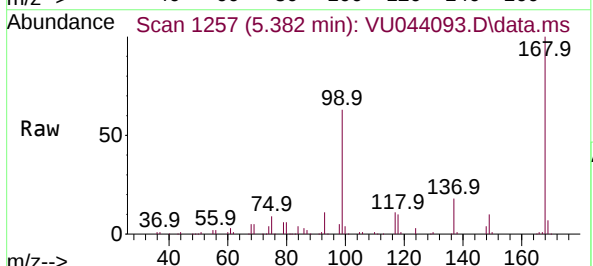
RT: 5.382 min Scan# 1257

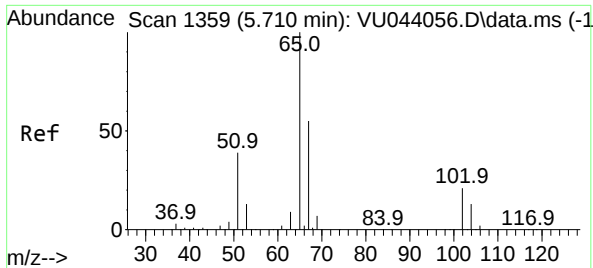
Delta R.T. -0.013 min

Lab File: VU044093.D

Acq: 08 Jun 2021 06:26

Tgt Ion:	56	Resp:	4884
Ion	Ratio	Lower	Upper
56	100		
69	195.7	25.4	38.2#
84	157.0	64.2	96.2#



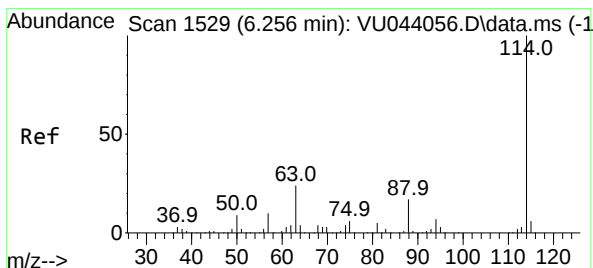
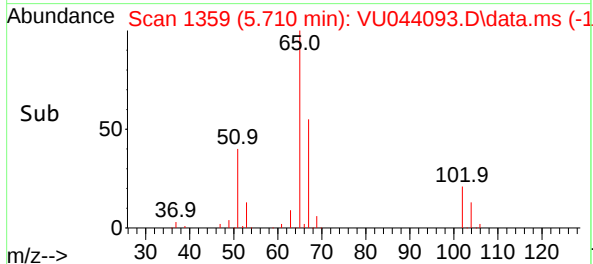
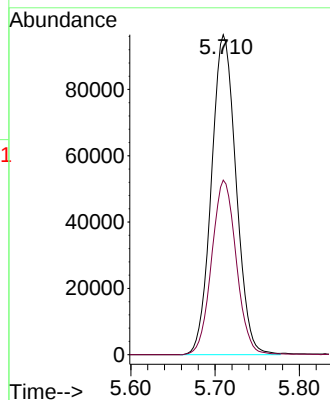
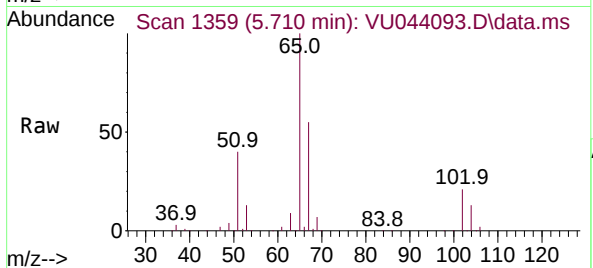


#33

1,2-Dichloroethane-d4
Concen: 51.589 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044093.D
Acq: 08 Jun 2021 06:26

Instrument :
MSVOA_U
ClientSampled :

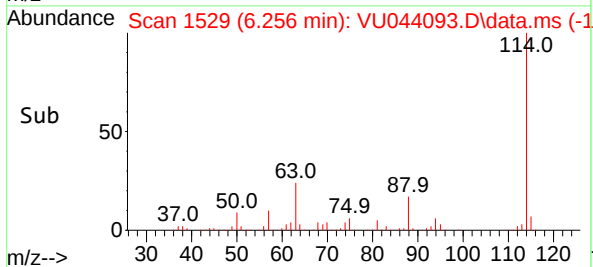
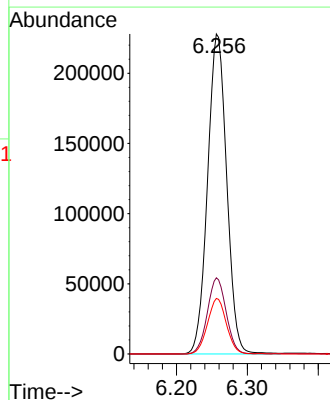
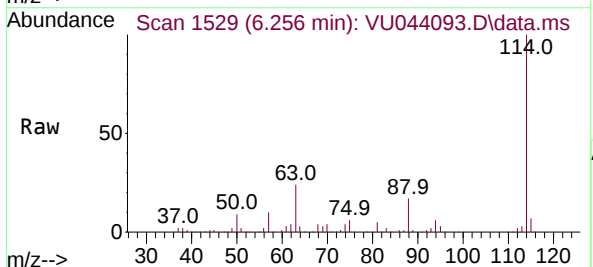
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Ion Ratio Lower Upper
65 100
67 54.5 0.0 109.2

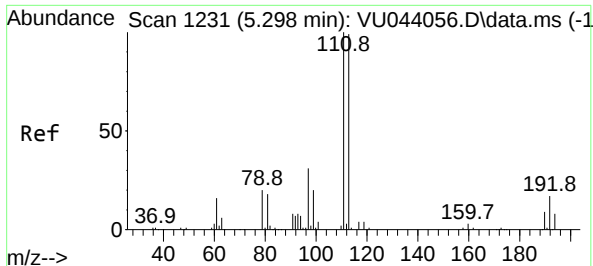


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044093.D
Acq: 08 Jun 2021 06:26

Tgt Ion: 114 Resp: 427303
Ion Ratio Lower Upper
114 100
63 23.8 0.0 48.4
88 17.3 0.0 34.4

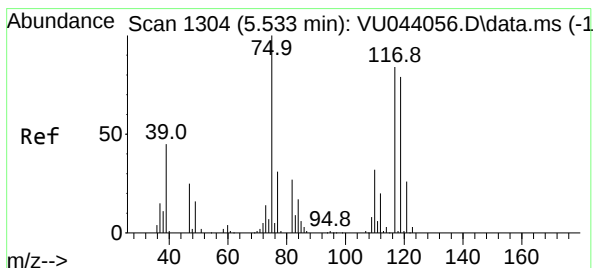
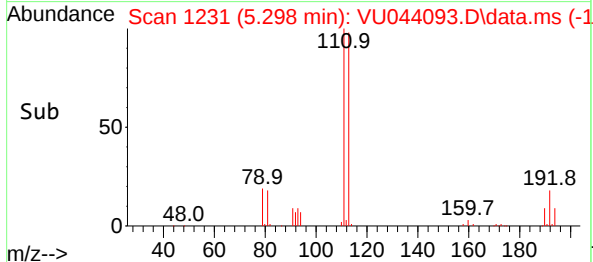
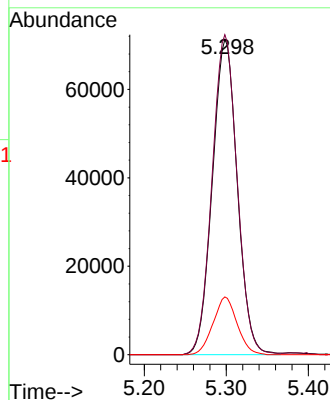
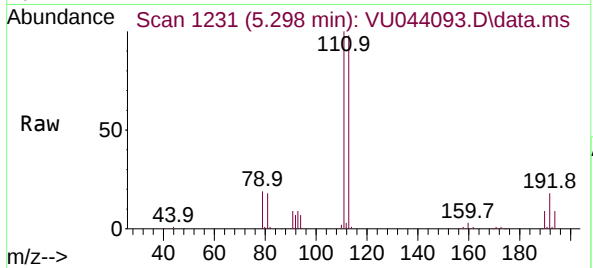




#35
Dibromofluoromethane
Concen: 49.508 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VU044093.D
Acq: 08 Jun 2021 06:26

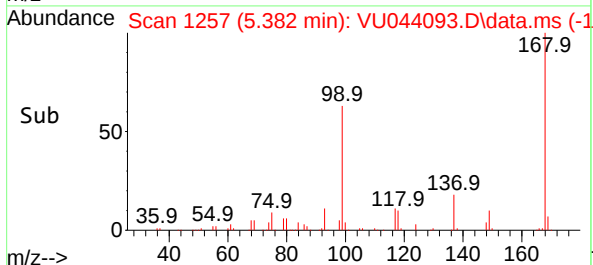
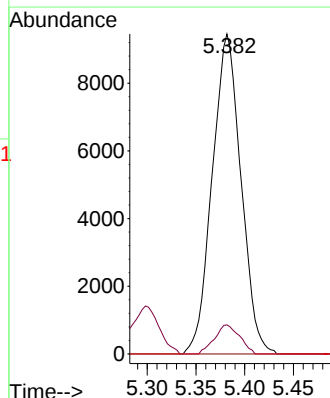
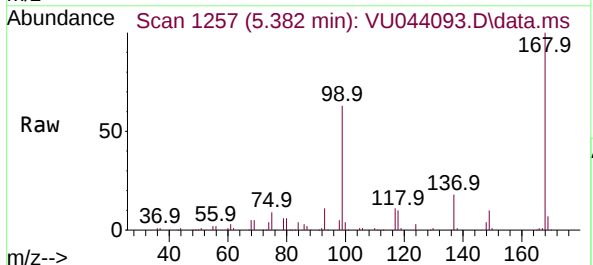
Instrument :
MSVOA_U
ClientSampled :

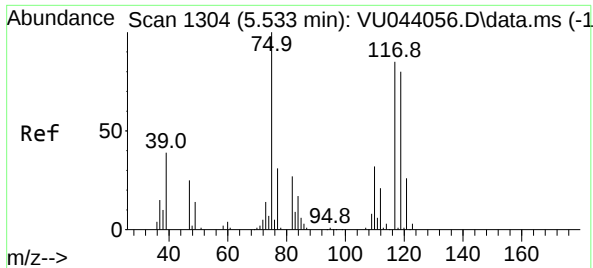
Tgt Ion:113 Resp: 150965
Ion Ratio Lower Upper
113 100
111 102.0 82.1 123.1
192 17.6 13.8 20.8



#36
1,1-Dichloropropene
Concen: 4.027 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044093.D
Acq: 08 Jun 2021 06:26

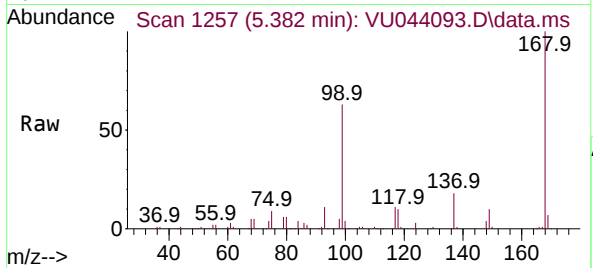
Tgt Ion: 75 Resp: 19386
Ion Ratio Lower Upper
75 100
110 7.9 15.9 47.7#
77 0.0 25.0 37.4#



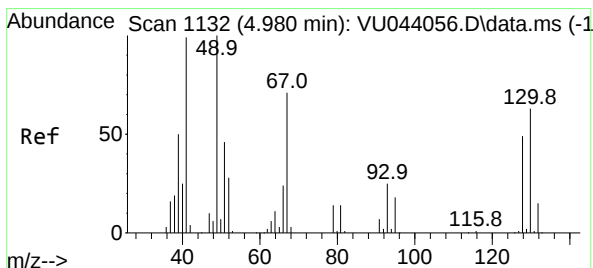
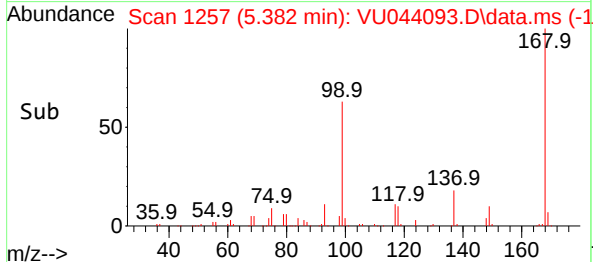
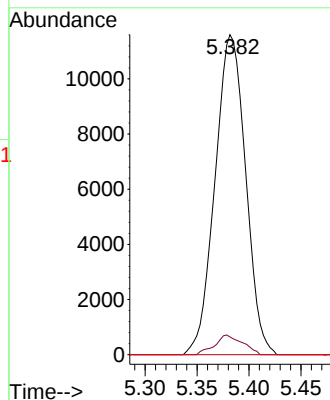


#38
Carbon Tetrachloride
Concen: 5.465 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044093.D
Acq: 08 Jun 2021 06:26

Instrument :
MSVOA_U
ClientSampled :

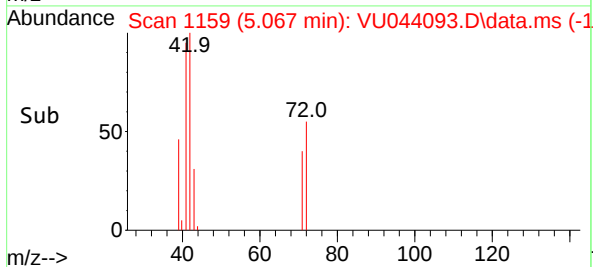
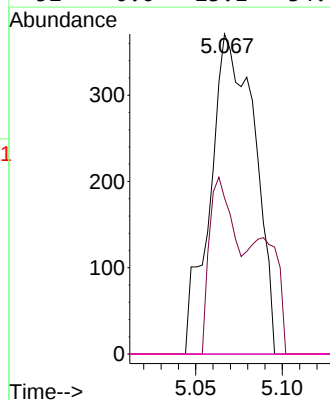
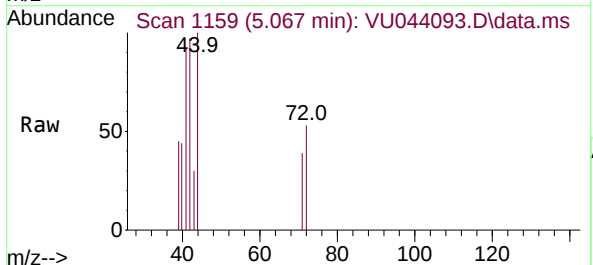


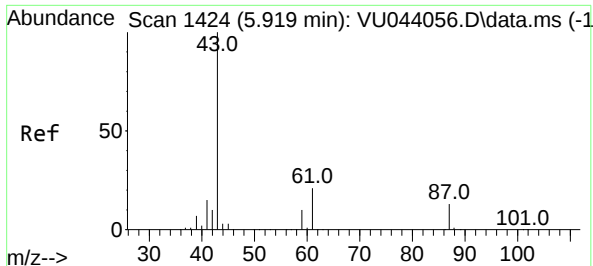
Tgt Ion:117 Resp: 23771
Ion Ratio Lower Upper
117 100
119 5.5 75.4 113.2#
121 0.0 24.5 36.7#



#41
Methacrylonitrile
Concen: 0.207 ug/l
RT: 5.067 min Scan# 1159
Delta R.T. 0.087 min
Lab File: VU044093.D
Acq: 08 Jun 2021 06:26

Tgt Ion: 41 Resp: 661
Ion Ratio Lower Upper
41 100
39 32.1 41.4 62.2#
67 0.0 59.4 89.2#
52 0.0 23.1 34.7#



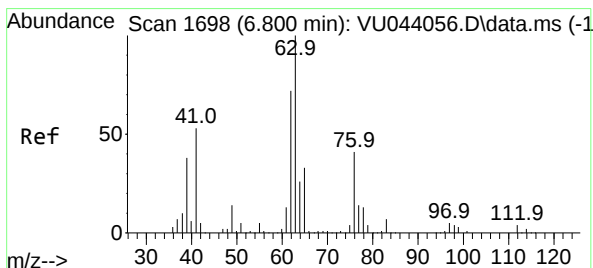
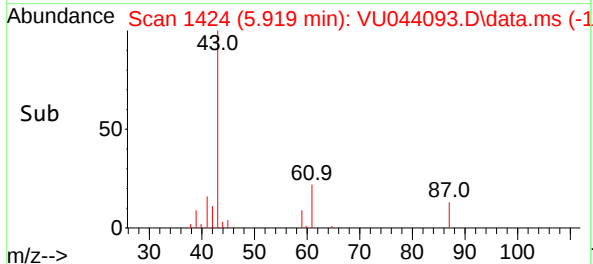
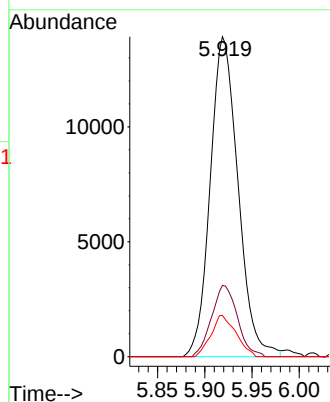
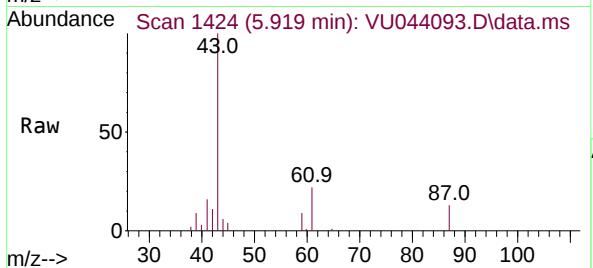


#43

Isopropyl Acetate
 Concen: 3.322 ug/l
 RT: 5.919 min Scan# 1424
 Delta R.T. -0.000 min
 Lab File: VU044093.D
 Acq: 08 Jun 2021 06:26

Instrument :
 MSVOA_U
 ClientSampled :

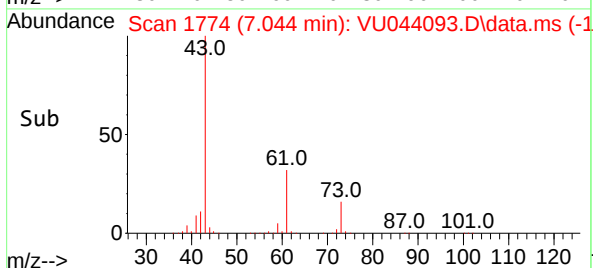
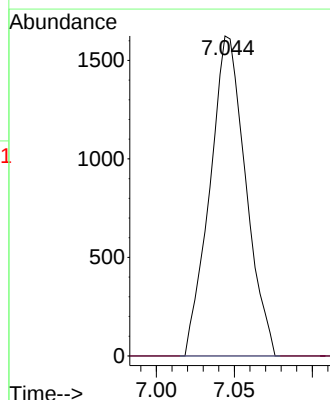
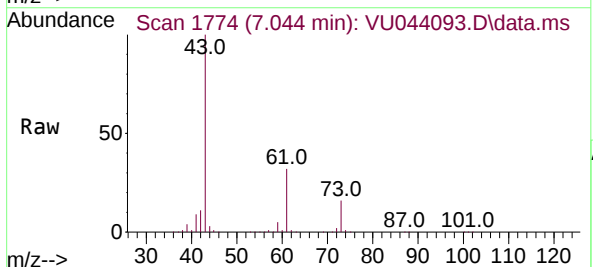
Tgt Ion:	43	Resp:	28487
Ion	Ratio	Lower	Upper
43	100		
61	20.7	16.8	25.2
87	11.6	10.2	15.2

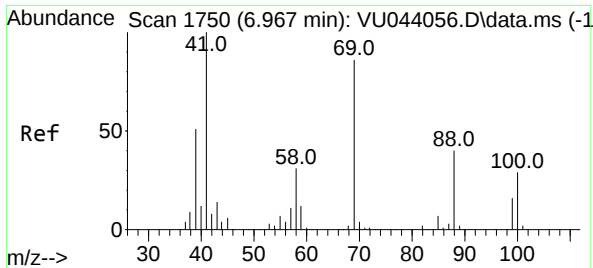


#45

1,2-Dichloropropane
 Concen: 0.655 ug/l
 RT: 7.044 min Scan# 1774
 Delta R.T. 0.244 min
 Lab File: VU044093.D
 Acq: 08 Jun 2021 06:26

Tgt Ion:	63	Resp:	2595
Ion	Ratio	Lower	Upper
63	100		
65	0.0	26.3	39.5#

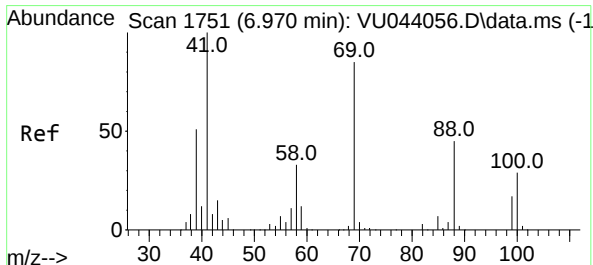
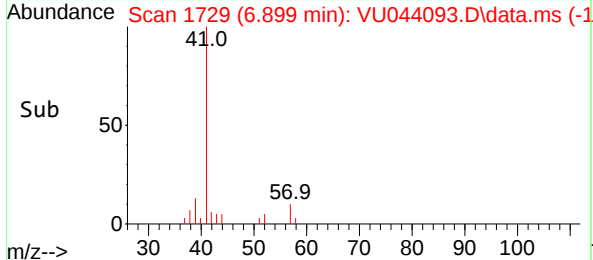
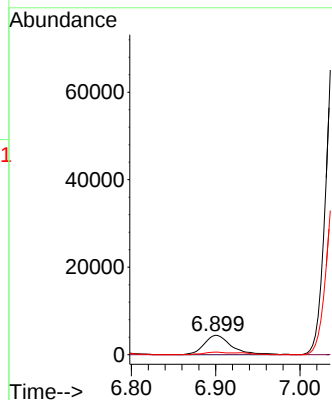
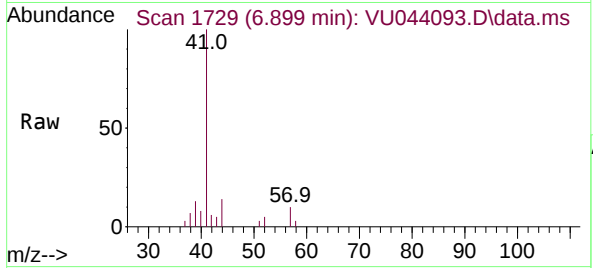




#48
Methyl methacrylate
Concen: 2.363 ug/l
RT: 6.899 min Scan# 1729
Delta R.T. -0.068 min
Lab File: VU044093.D
Acq: 08 Jun 2021 06:26

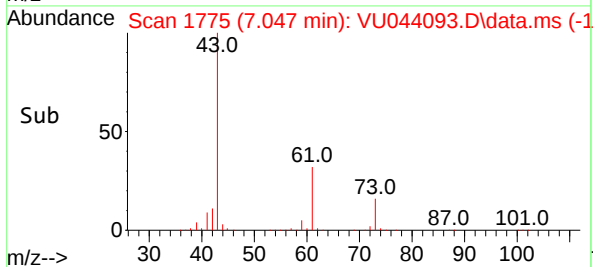
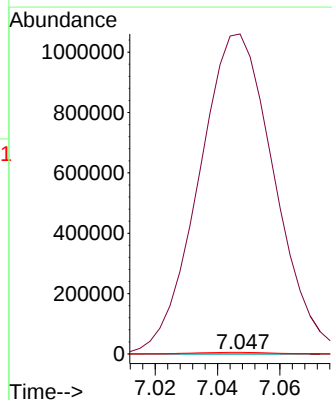
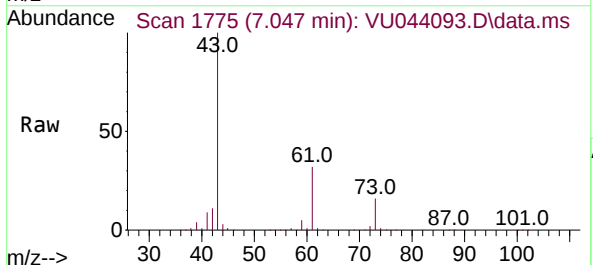
Instrument :
MSVOA_U
ClientSampled :

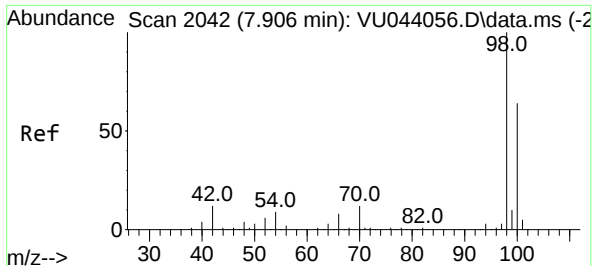
Tgt Ion: 41 Resp: 9990
Ion Ratio Lower Upper
41 100
69 0.0 68.9 103.3#
39 0.0 40.6 60.8#



#49
1,4-Dioxane
Concen: 2.020 ug/l
RT: 7.047 min Scan# 1775
Delta R.T. 0.077 min
Lab File: VU044093.D
Acq: 08 Jun 2021 06:26

Tgt Ion: 88 Resp: 210
Ion Ratio Lower Upper
88 100
43 863930.0 25.0 37.4#
58 4639.0 60.0 90.0#

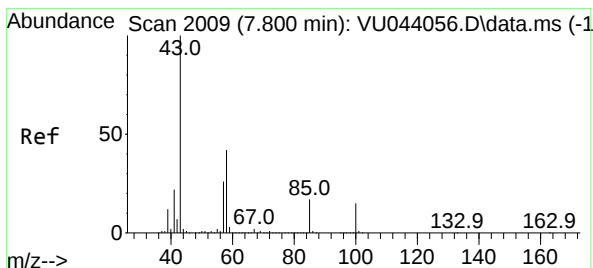
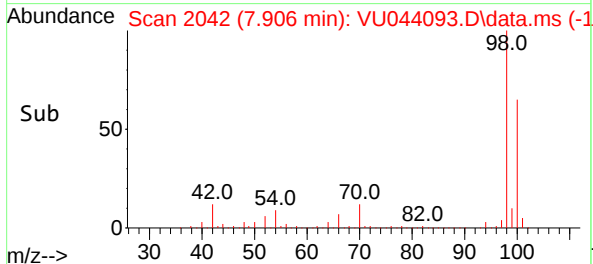
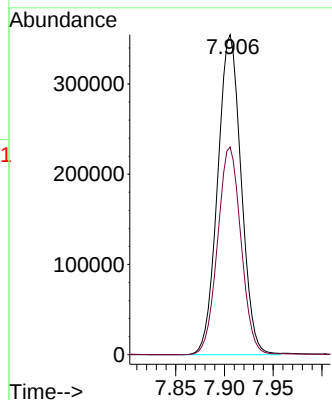
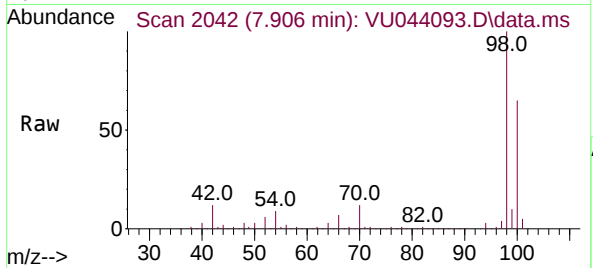




#50
Toluene-d8
Concen: 50.604 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU044093.D
Acq: 08 Jun 2021 06:26

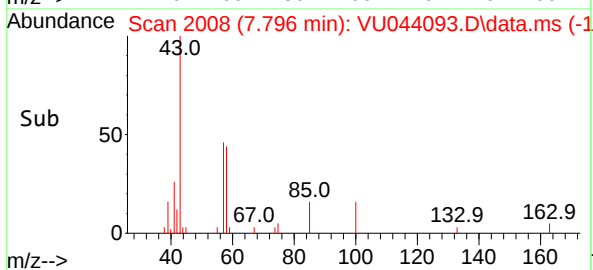
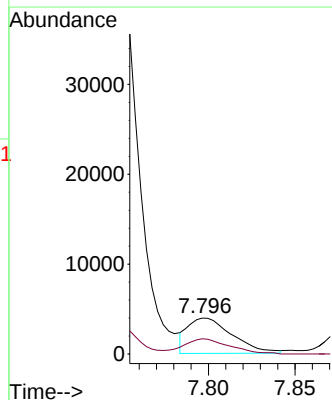
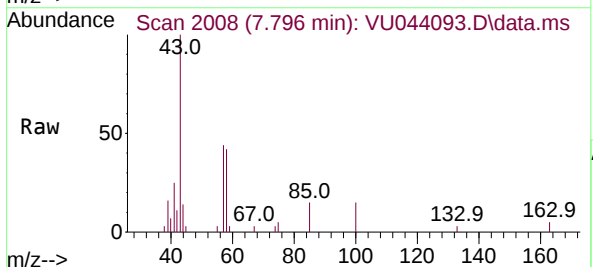
Instrument :
MSVOA_U
ClientSampled :

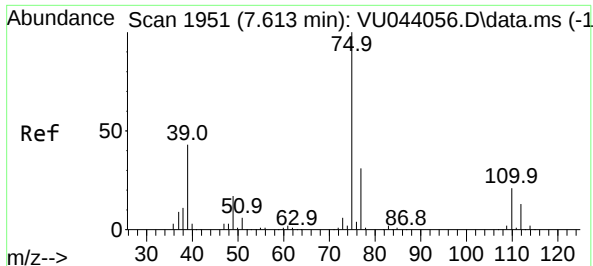
Tgt Ion: 98 Resp: 595192
Ion Ratio Lower Upper
98 100
100 64.9 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.106 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. -0.003 min
Lab File: VU044093.D
Acq: 08 Jun 2021 06:26

Tgt Ion: 43 Resp: 7045
Ion Ratio Lower Upper
43 100
58 44.5 33.3 49.9

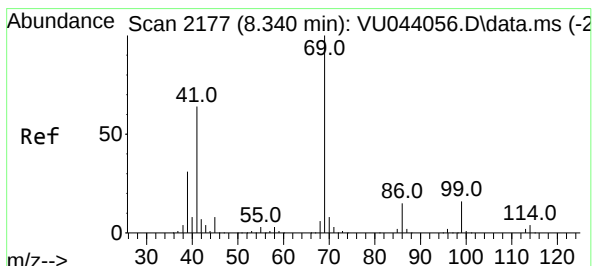
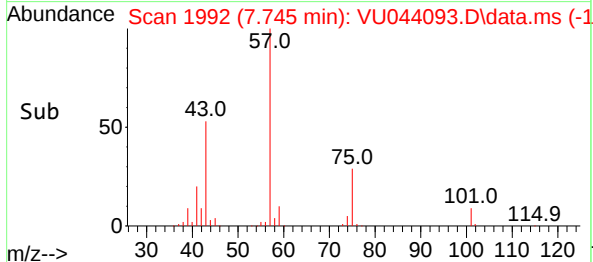
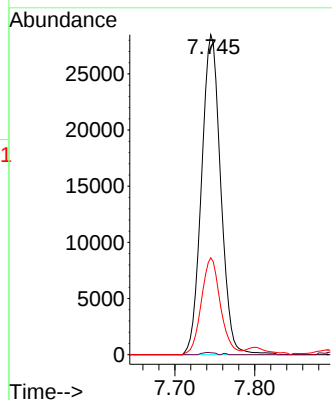
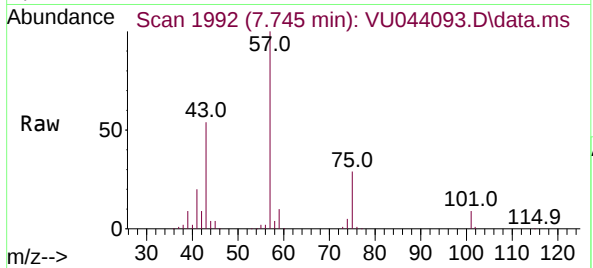




#54
 cis-1,3-Dichloropropene
 Concen: 8.093 ug/l
 RT: 7.745 min Scan# 1992
 Delta R.T. 0.132 min
 Lab File: VU044093.D
 Acq: 08 Jun 2021 06:26

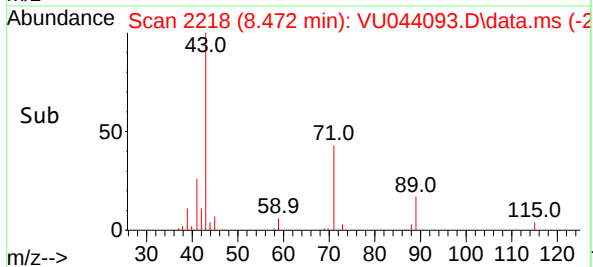
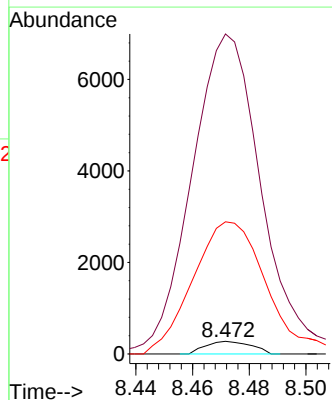
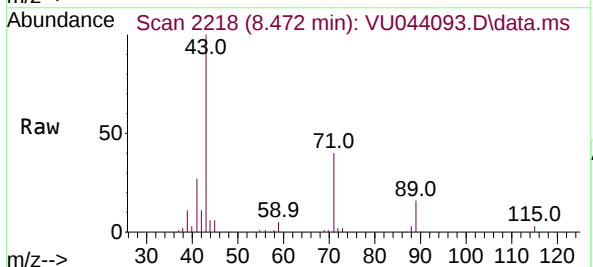
Instrument :
 MSVOA_U
 ClientSampled :

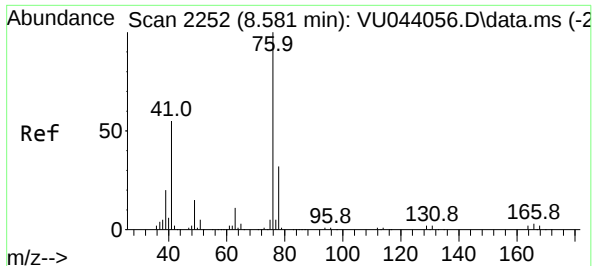
Tgt Ion: 75 Resp: 47646
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 30.3 34.7 52.1#



#56
 Ethyl methacrylate
 Concen: 3.431 ug/l
 RT: 8.472 min Scan# 2218
 Delta R.T. 0.132 min
 Lab File: VU044093.D
 Acq: 08 Jun 2021 06:26

Tgt Ion: 69 Resp: 309
 Ion Ratio Lower Upper
 69 100
 41 3882.2 51.4 77.0#
 39 1680.6 24.9 37.3#



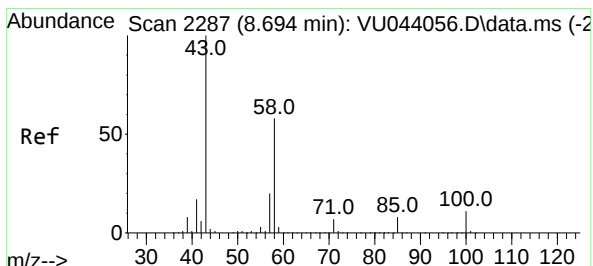
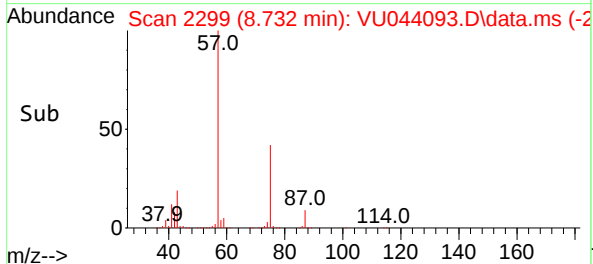
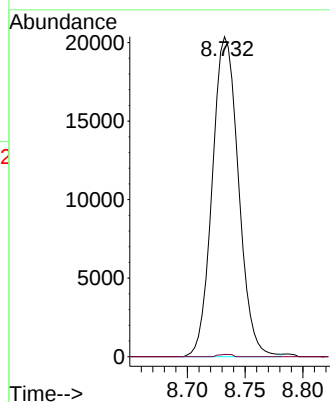
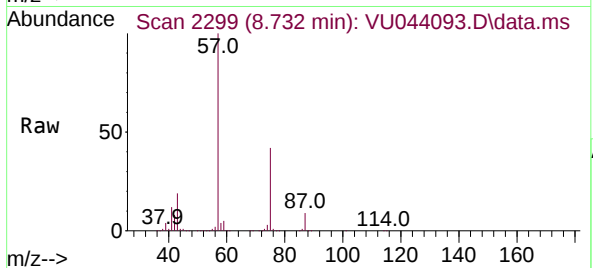


#57

1,3-Dichloropropane
Concen: 4.963 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.151 min
Lab File: VU044093.D
Acq: 08 Jun 2021 06:26

Instrument :
MSVOA_U
ClientSampled :

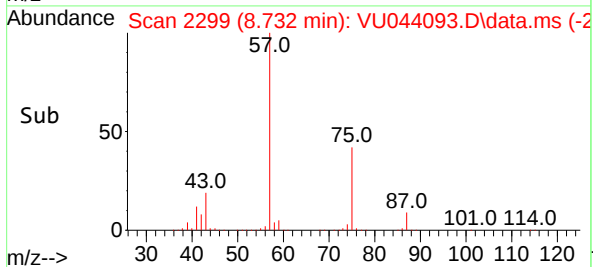
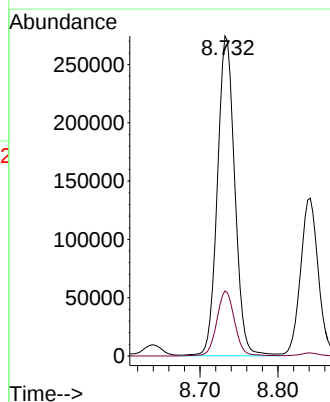
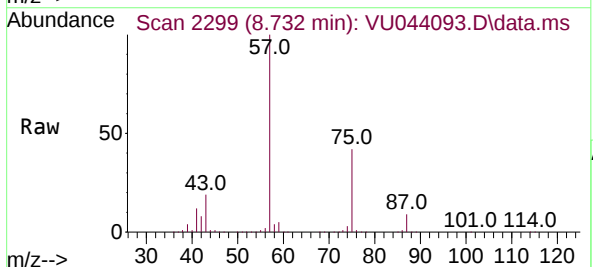
Tgt Ion: 76 Resp: 32174
Ion Ratio Lower Upper
76 100
78 0.4 25.9 38.9#

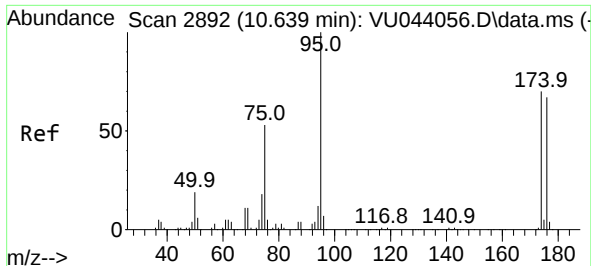


#59

2-Hexanone
Concen: 85.838 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.039 min
Lab File: VU044093.D
Acq: 08 Jun 2021 06:26

Tgt Ion: 43 Resp: 424811
Ion Ratio Lower Upper
43 100
58 21.0 29.0 87.1#

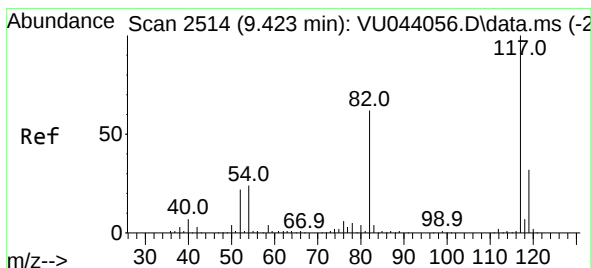
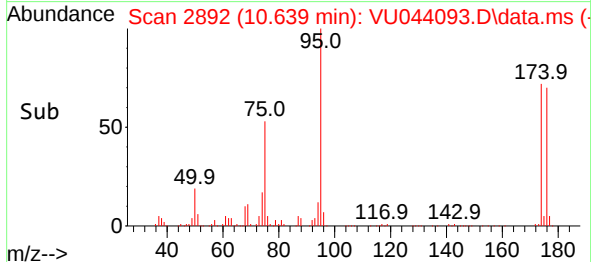
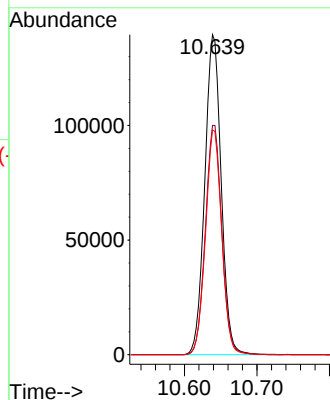
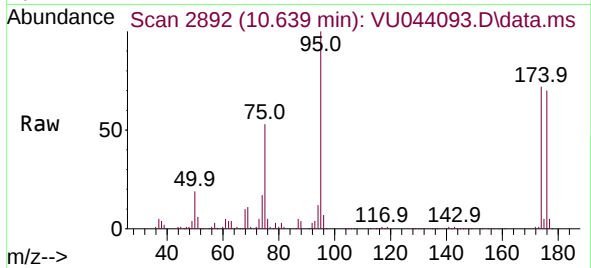




#62
4-Bromofluorobenzene
Concen: 47.119 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044093.D
Acq: 08 Jun 2021 06:26

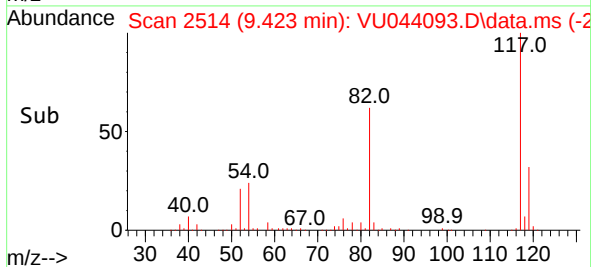
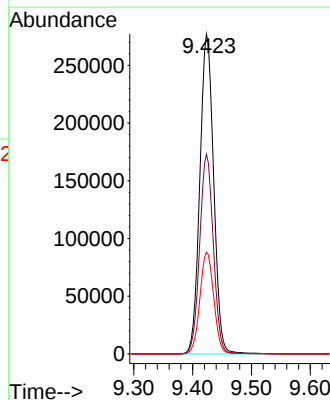
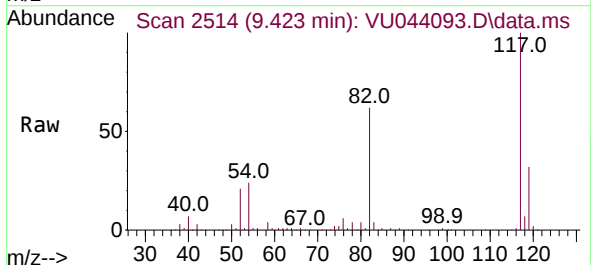
Instrument :
MSVOA_U
ClientSampled :

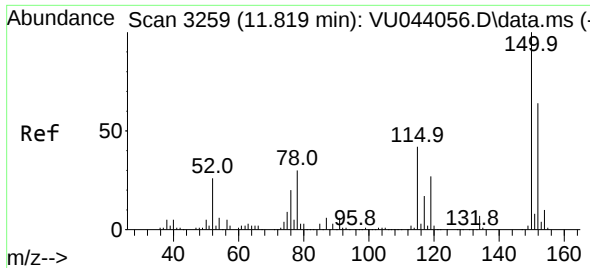
Tgt Ion: 95 Resp: 219420
Ion Ratio Lower Upper
95 100
174 72.0 0.0 141.0
176 69.3 0.0 135.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU044093.D
Acq: 08 Jun 2021 06:26

Tgt Ion: 117 Resp: 451918
Ion Ratio Lower Upper
117 100
82 62.4 50.0 75.0
119 31.8 25.9 38.9

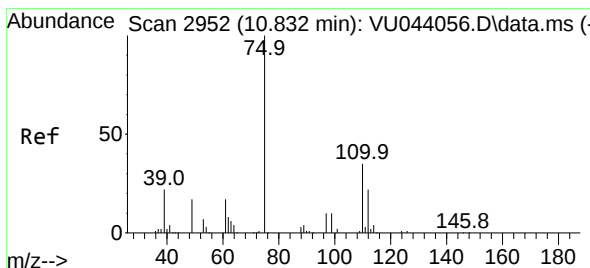
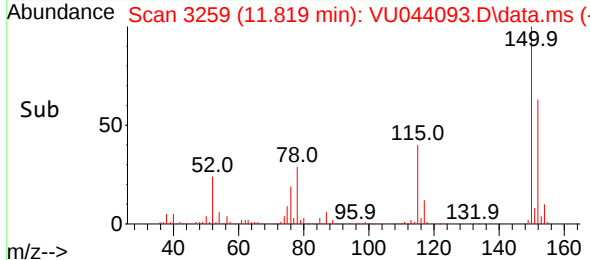
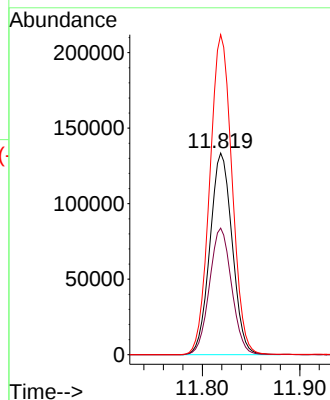
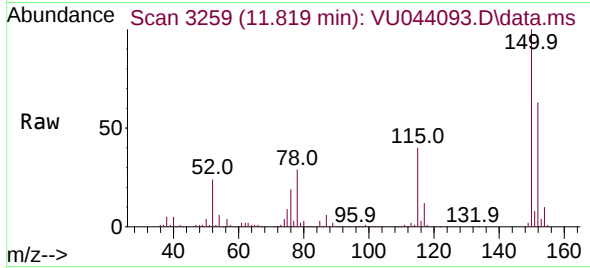




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU044093.D
 Acq: 08 Jun 2021 06:26

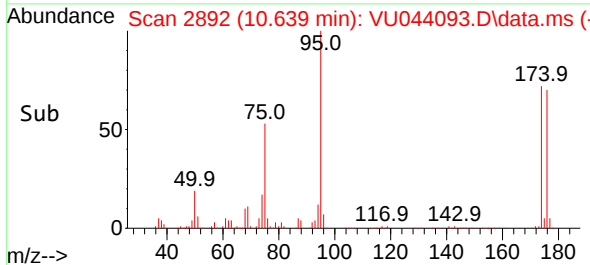
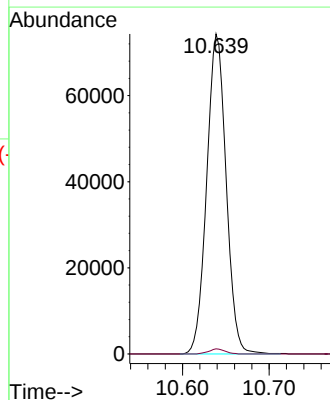
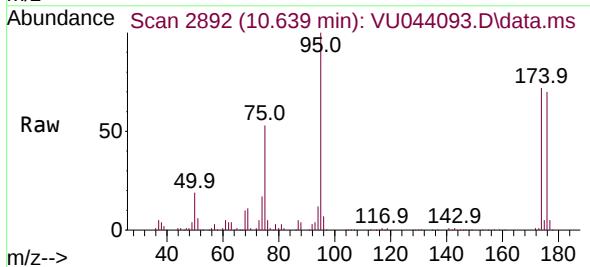
Instrument :
 MSVOA_U
 ClientSampled :

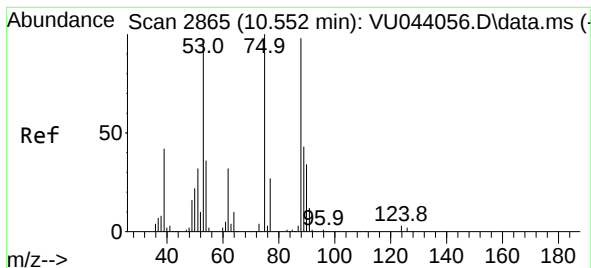
Tgt Ion:152 Resp: 211975
 Ion Ratio Lower Upper
 152 100
 115 62.5 44.6 134.0
 150 158.7 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 19.528 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.193 min
 Lab File: VU044093.D
 Acq: 08 Jun 2021 06:26

Tgt Ion: 75 Resp: 115800
 Ion Ratio Lower Upper
 75 100
 77 1.3 16.9 50.6#

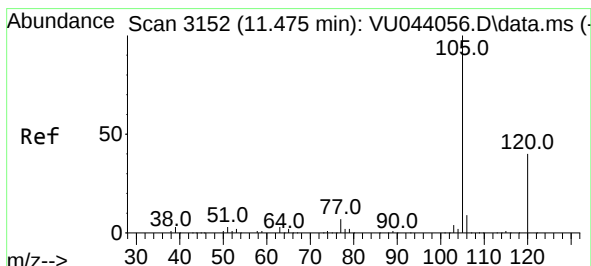
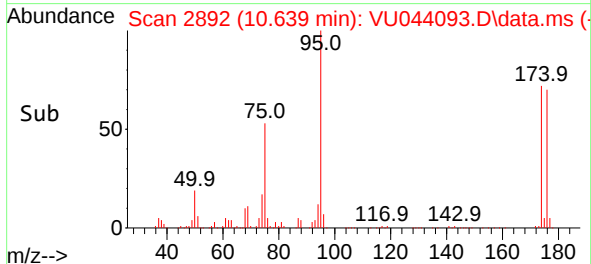
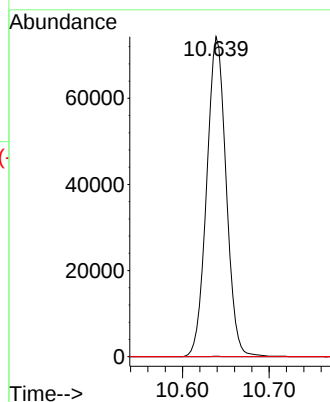
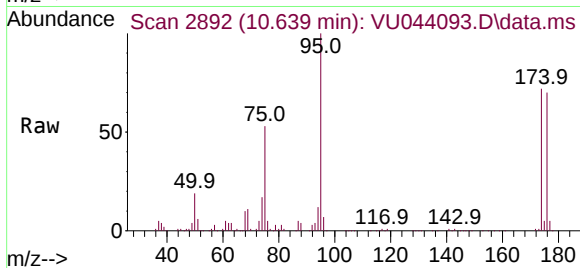




#81
trans-1,4-Dichloro-2-butene
Concen: 57.022 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044093.D
Acq: 08 Jun 2021 06:26

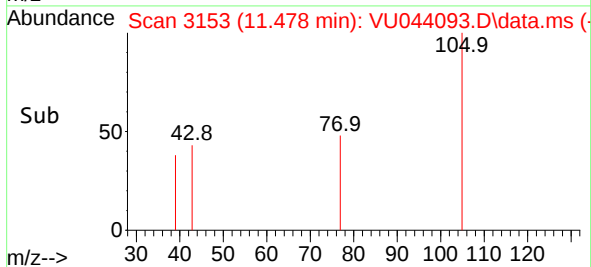
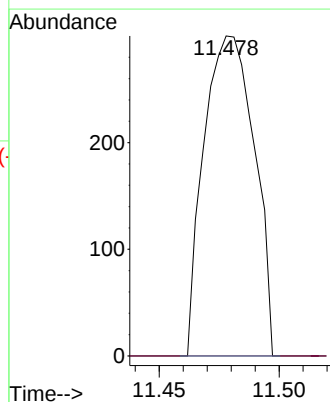
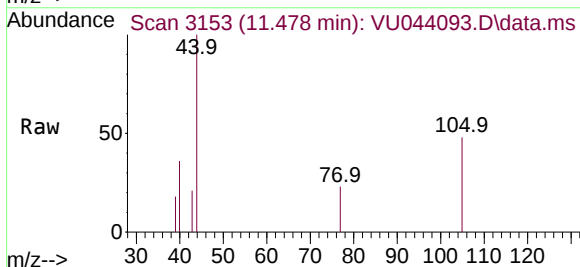
Instrument :
MSVOA_U
ClientSampled :

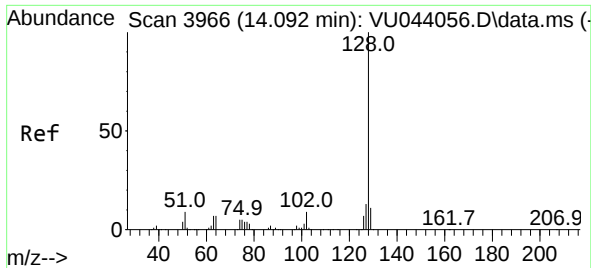
Tgt Ion: 75 Resp: 115800
Ion Ratio Lower Upper
75 100
53 0.1 76.9 115.3#
89 0.0 33.8 50.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.980 ug/l
RT: 11.478 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VU044093.D
Acq: 08 Jun 2021 06:26

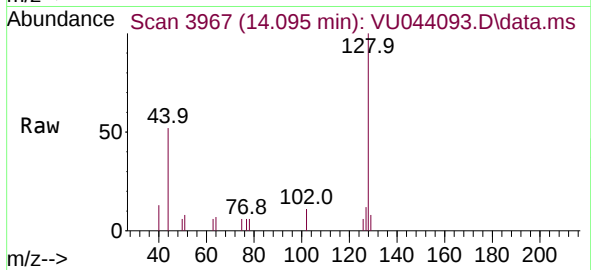
Tgt Ion: 105 Resp: 438
Ion Ratio Lower Upper
105 100
120 0.0 21.9 65.7#





#95
Naphthalene
Concen: 3.026 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU044093.D
Acq: 08 Jun 2021 06:26

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 2772
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 4.4 8.7 13.1#

