

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092821\
 Data File : VU044974.D
 Acq On : 29 Sep 2021 04:53
 Operator : SY/MD
 Sample : M3952-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1

Quant Time: Sep 29 05:51:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 12:32:13 2021
 Response via : Initial Calibration

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

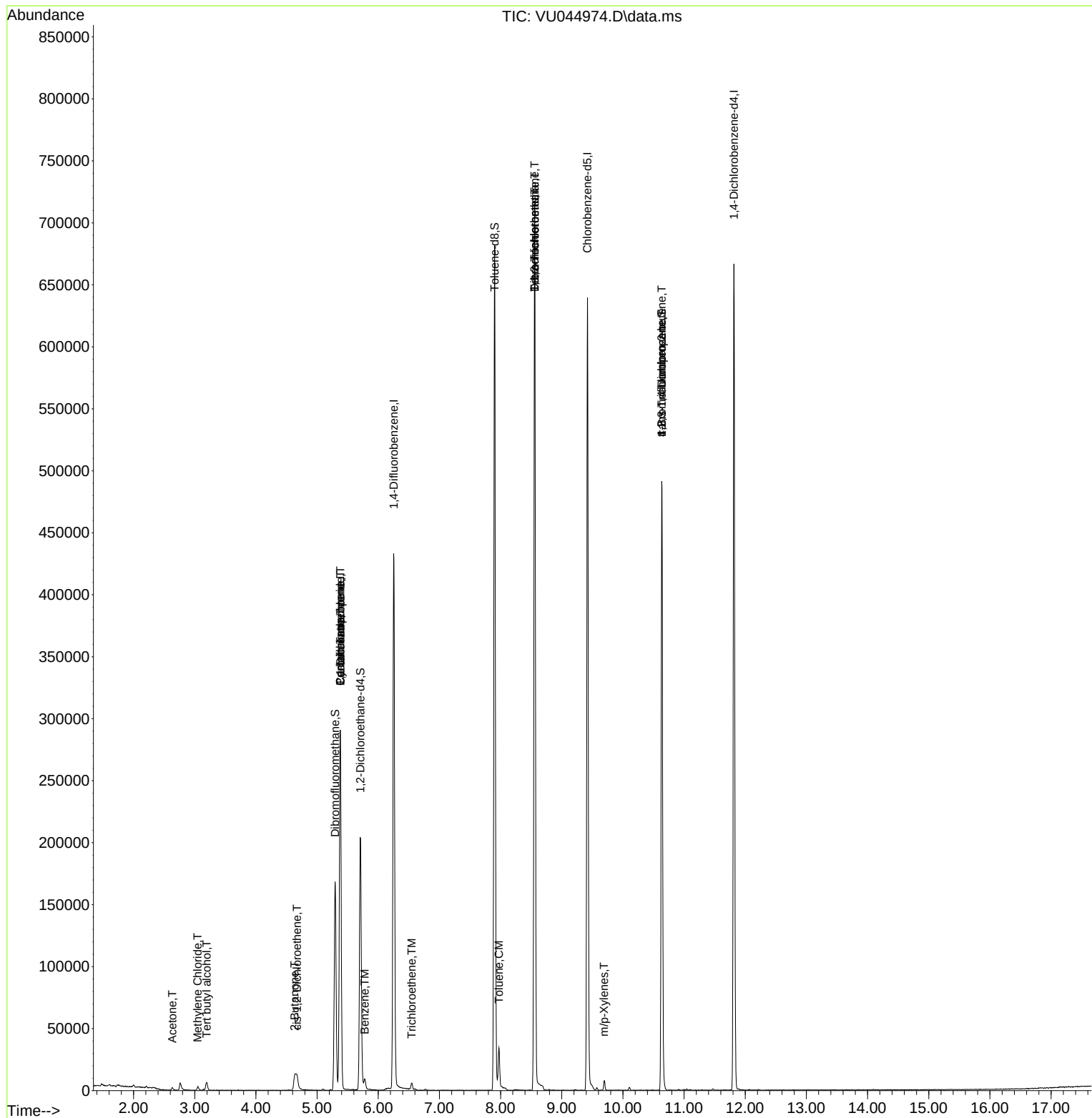
Internal Standards						
1) Pentafluorobenzene	5.379	168	189923	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	341056	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	333765	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	164119	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.707	65	158787	50.225	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.460%	
35) Dibromofluoromethane	5.295	113	108573	50.464	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.920%	
50) Toluene-d8	7.903	98	440686	51.840	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 103.680%	
62) 4-Bromofluorobenzene	10.636	95	165846	47.254	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.500%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.195	59	4175	4.601	ug/l #	72
16) Acetone	2.633	43	2777	1.480	ug/l	98
20) Methylene Chloride	3.047	84	1489	0.527	ug/l	94
25) 2-Butanone	4.633	43	683	0.256	ug/l #	48
27) cis-1,2-Dichloroethene	4.671	96	3855	1.325	ug/l	98
31) Cyclohexane	5.379	56	5093	1.061	ug/l #	13
36) 1,1-Dichloropropene	5.379	75	17945	5.031	ug/l #	49
38) Carbon Tetrachloride	5.379	117	20276	6.570	ug/l #	15
40) Benzene	5.780	78	6593	0.621	ug/l	95
44) Trichloroethene	6.546	130	1645	0.657	ug/l	81
52) Toluene	7.973	92	12496	1.880	ug/l	100
55) 1,1,2-Trichloroethane	8.559	97	1374	0.496	ug/l #	1
60) Dibromochloromethane	8.559	129	141976	48.409	ug/l #	10
64) Tetrachloroethene	8.559	164	150486	69.081	ug/l	98
68) m/p-Xylenes	9.694	106	2258	0.451	ug/l	89
76) 1,2,3-Trichloropropane	10.636	75	89447	18.685	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.636	75	89447	51.855	ug/l #	9

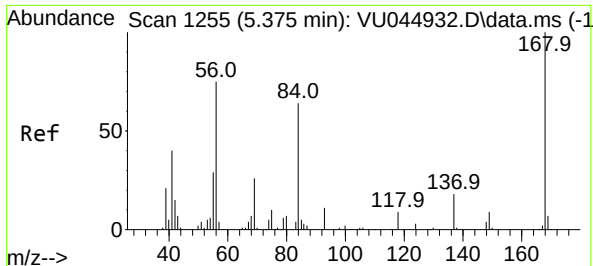
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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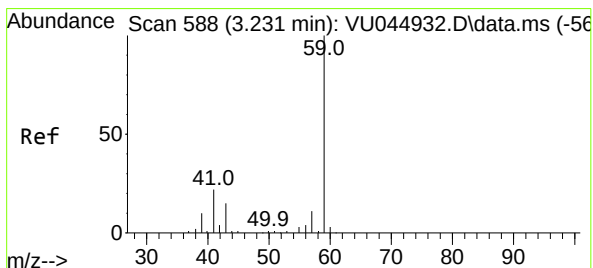
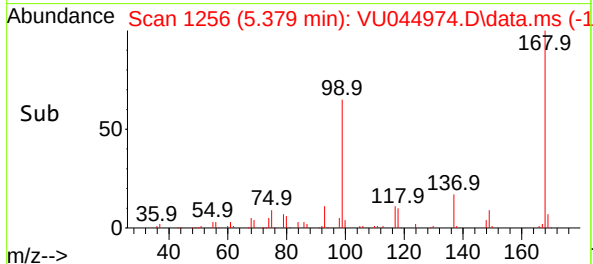
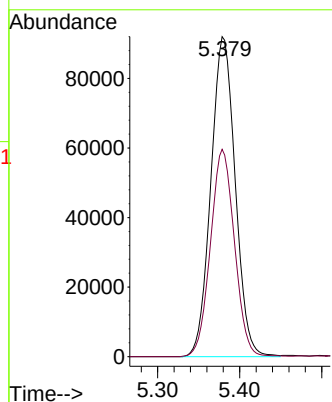
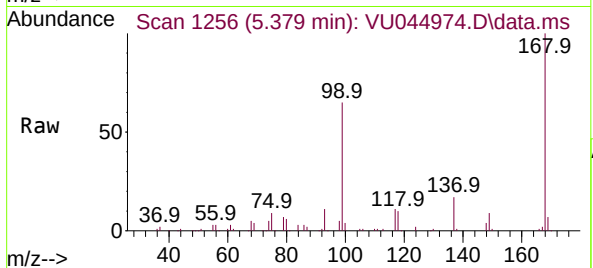




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 11
Delta R.T. 0.004 min
Lab File: VU044974.D
Acq: 29 Sep 2021 04:53

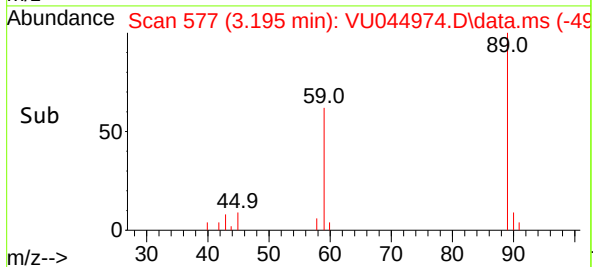
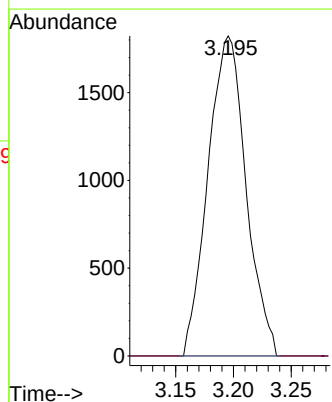
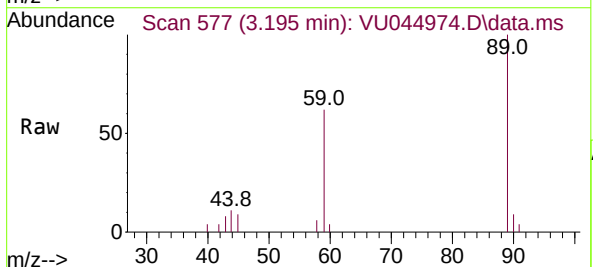
Instrument :
MSVOA_U
ClientSampleId :
MW-1

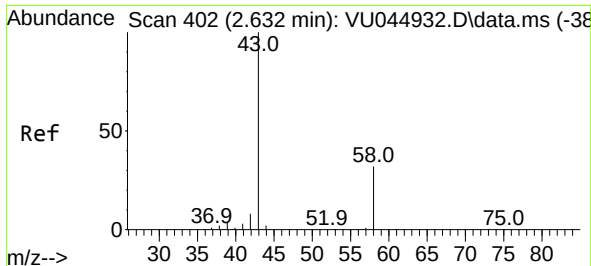
Tgt Ion:168 Resp: 189923
Ion Ratio Lower Upper
168 100
99 64.8 51.4 77.0



#11
Tert butyl alcohol
Concen: 4.601 ug/l
RT: 3.195 min Scan# 577
Delta R.T. -0.036 min
Lab File: VU044974.D
Acq: 29 Sep 2021 04:53

Tgt Ion: 59 Resp: 4175
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 1.480 ug/l

RT: 2.633 min Scan# 402

Delta R.T. 0.001 min

Lab File: VU044974.D

Acq: 29 Sep 2021 04:53

Instrument :

MSVOA_U

ClientSampleId :

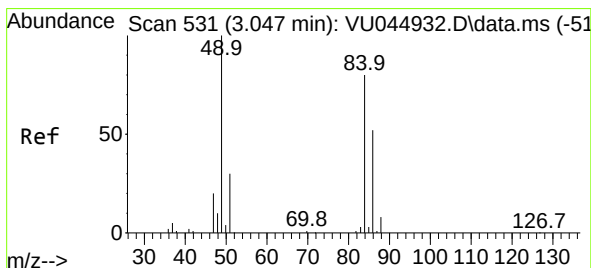
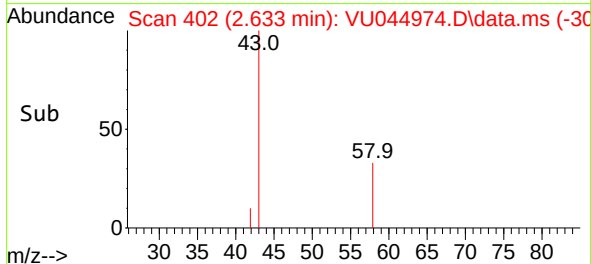
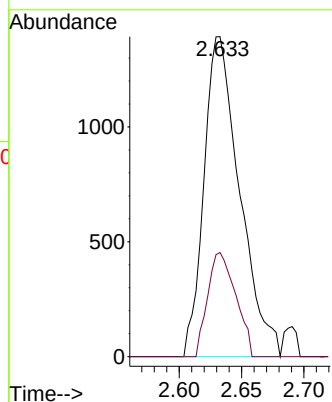
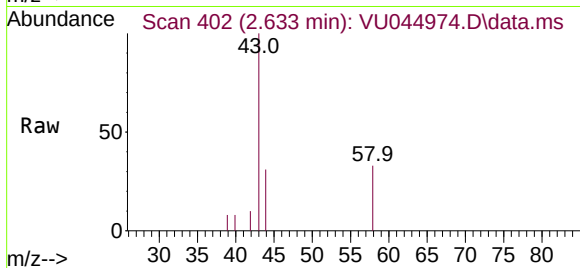
MW-1

Tgt Ion: 43 Resp: 2777

Ion Ratio Lower Upper

43 100

58 32.5 25.2 37.8



#20

Methylene Chloride

Concen: 0.527 ug/l

RT: 3.047 min Scan# 531

Delta R.T. 0.000 min

Lab File: VU044974.D

Acq: 29 Sep 2021 04:53

Tgt Ion: 84 Resp: 1489

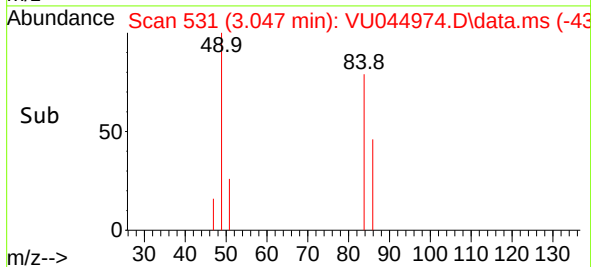
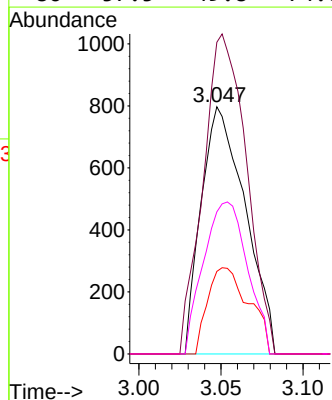
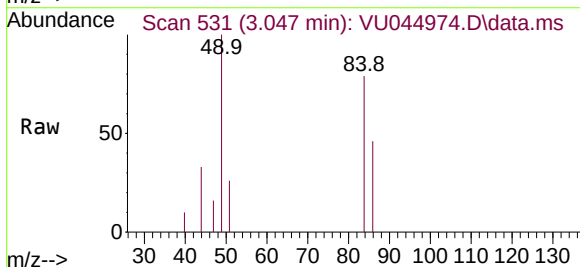
Ion Ratio Lower Upper

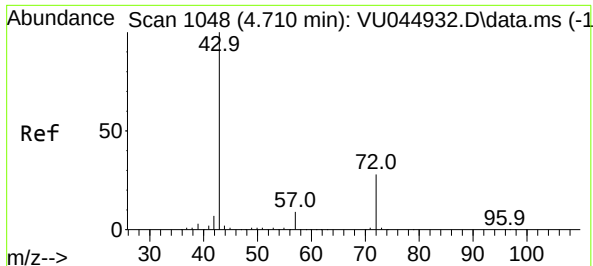
84 100

49 126.1 104.9 157.3

51 33.4 31.8 47.8

86 57.5 49.8 74.6

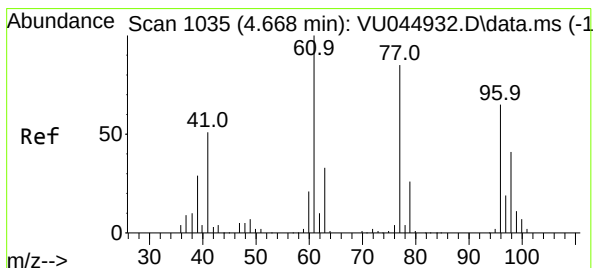
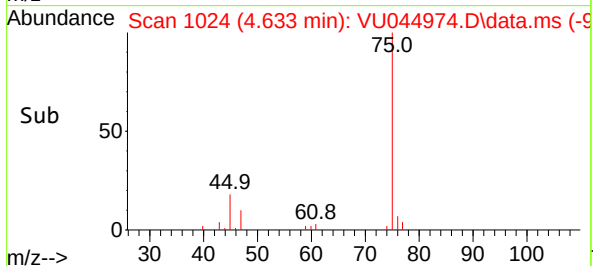
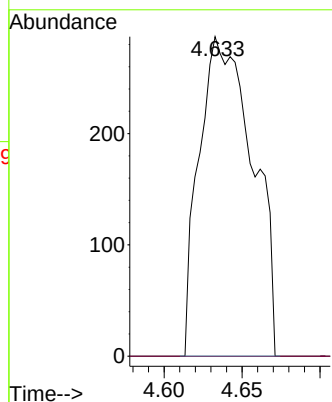
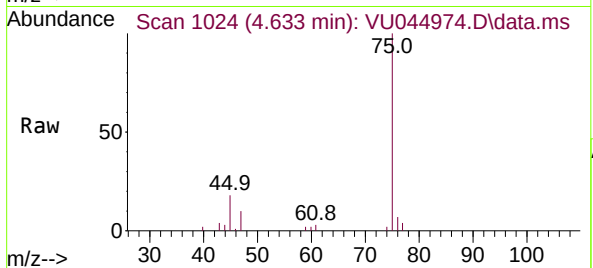




#25
2-Butanone
Concen: 0.256 ug/l
RT: 4.633 min Scan# 1024
Delta R.T. -0.077 min
Lab File: VU044974.D
Acq: 29 Sep 2021 04:53

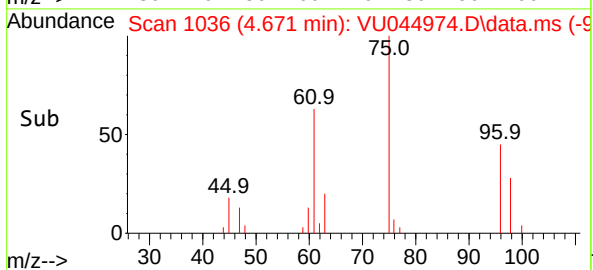
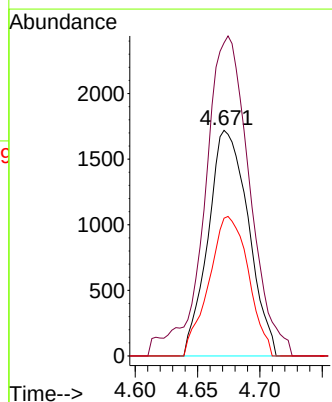
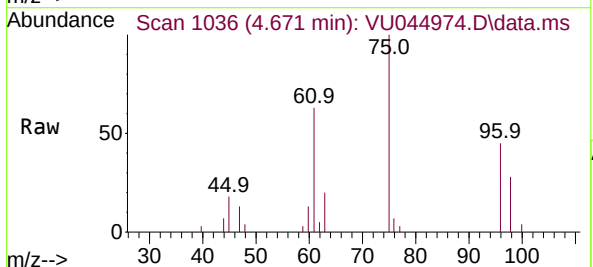
Instrument :
MSVOA_U
ClientSampleId :
MW-1

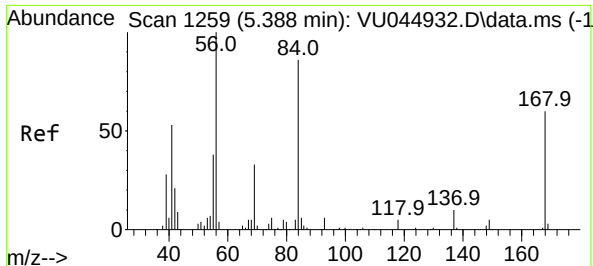
Tgt Ion: 43 Resp: 683
Ion Ratio Lower Upper
43 100
72 0.0 21.3 31.9#



#27
cis-1,2-Dichloroethene
Concen: 1.325 ug/l
RT: 4.671 min Scan# 1036
Delta R.T. 0.003 min
Lab File: VU044974.D
Acq: 29 Sep 2021 04:53

Tgt Ion: 96 Resp: 3855
Ion Ratio Lower Upper
96 100
61 158.3 0.0 313.4
98 60.9 0.0 127.0

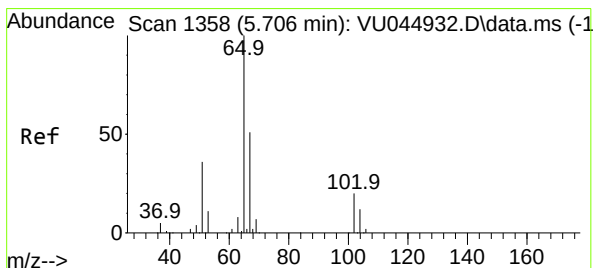
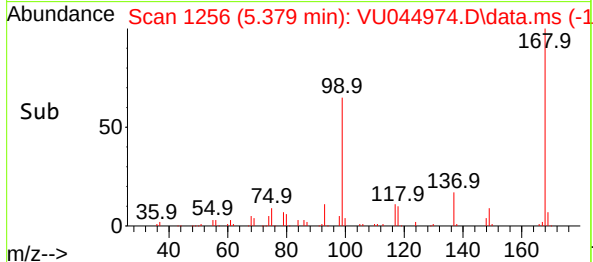
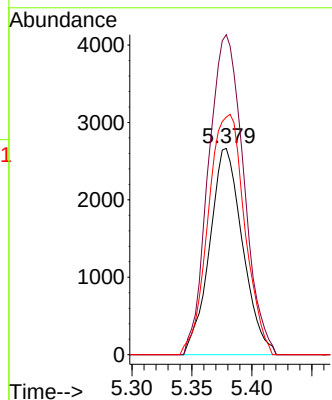
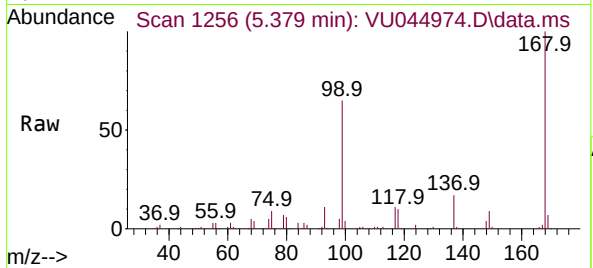




#31
Cyclohexane
Concen: 1.061 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.009 min
Lab File: VU044974.D
Acq: 29 Sep 2021 04:53

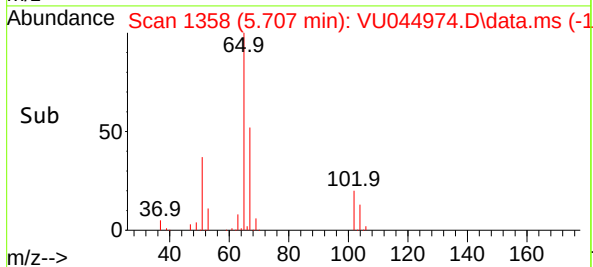
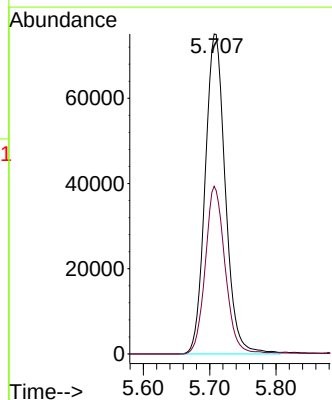
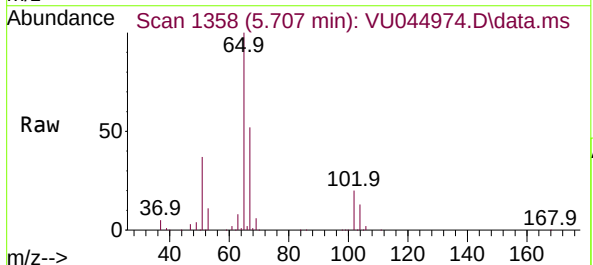
Instrument :
MSVOA_U
ClientSampleId :
MW-1

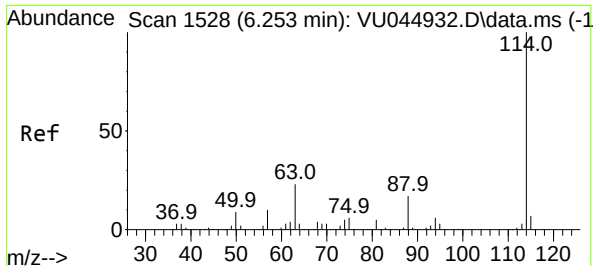
Tgt Ion: 56 Resp: 5093
Ion Ratio Lower Upper
56 100
69 155.1 25.2 37.8#
84 115.2 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 50.225 ug/l
RT: 5.707 min Scan# 1358
Delta R.T. 0.001 min
Lab File: VU044974.D
Acq: 29 Sep 2021 04:53

Tgt Ion: 65 Resp: 158787
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU044974.D

Acq: 29 Sep 2021 04:53

Instrument :

MSVOA_U

ClientSampleId :

MW-1

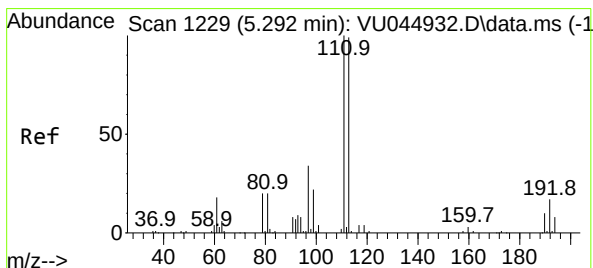
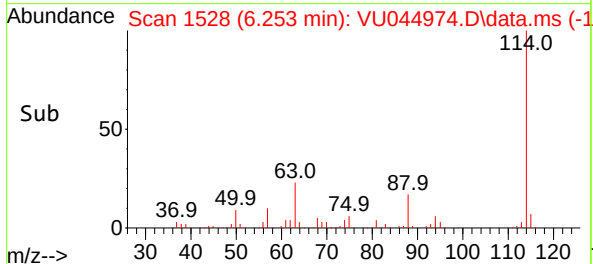
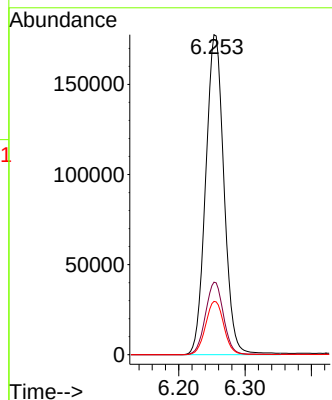
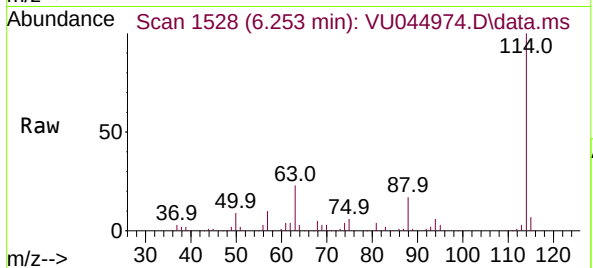
Tgt Ion:114 Resp: 341056

Ion Ratio Lower Upper

114 100

63 22.7 0.0 47.8

88 16.7 0.0 32.8



#35

Dibromofluoromethane

Concen: 50.464 ug/l

RT: 5.295 min Scan# 1230

Delta R.T. 0.003 min

Lab File: VU044974.D

Acq: 29 Sep 2021 04:53

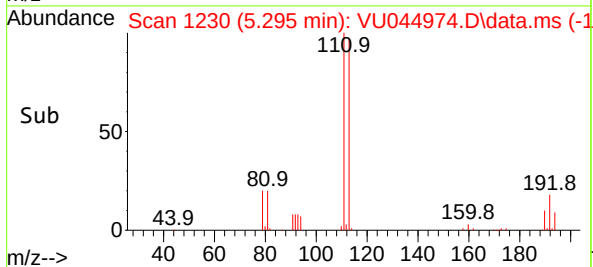
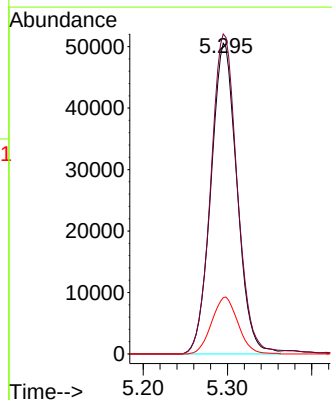
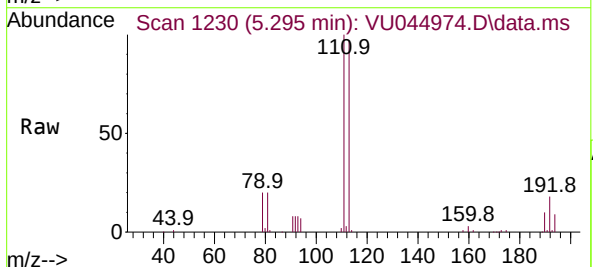
Tgt Ion:113 Resp: 108573

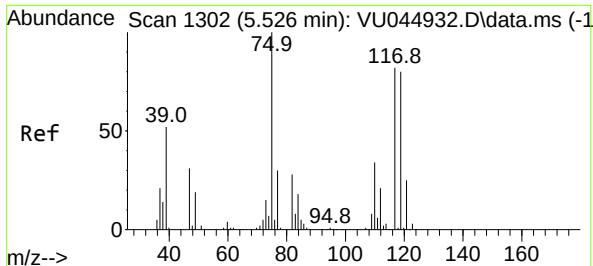
Ion Ratio Lower Upper

113 100

111 105.0 84.1 126.1

192 18.4 14.8 22.2





#36

1,1-Dichloropropene

Concen: 5.031 ug/l

RT: 5.379 min Scan# 1256

Delta R.T. -0.147 min

Lab File: VU044974.D

Acq: 29 Sep 2021 04:53

Instrument :

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ClientSampleId :

MW-1

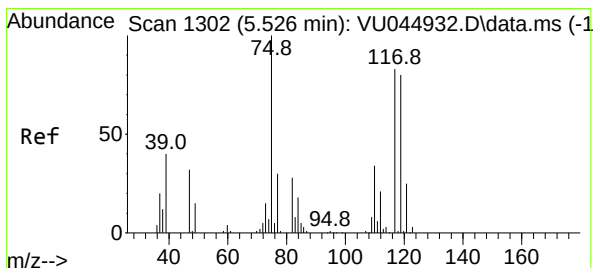
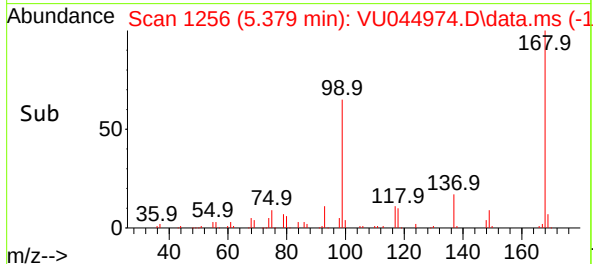
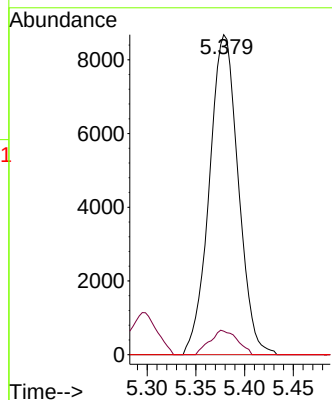
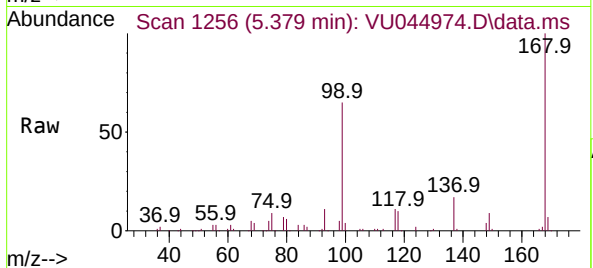
Tgt Ion: 75 Resp: 17945

Ion Ratio Lower Upper

75 100

110 7.2 16.3 48.9#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.570 ug/l

RT: 5.379 min Scan# 1256

Delta R.T. -0.147 min

Lab File: VU044974.D

Acq: 29 Sep 2021 04:53

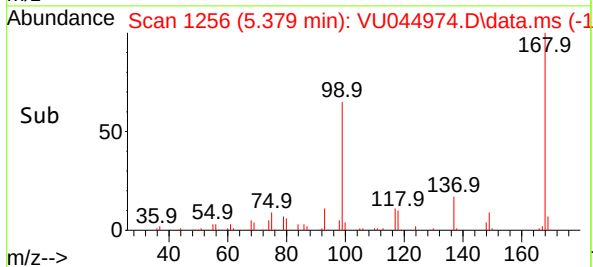
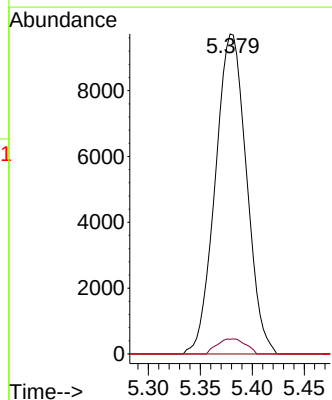
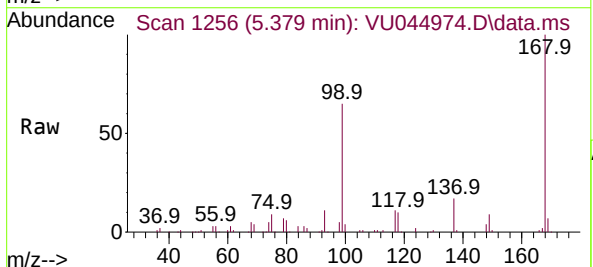
Tgt Ion: 117 Resp: 20276

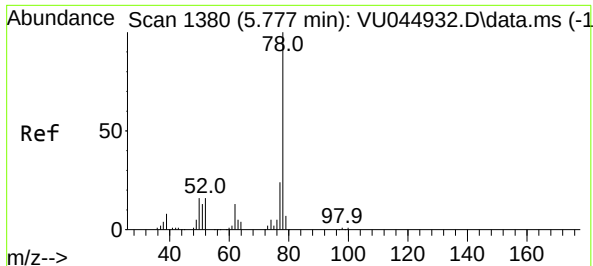
Ion Ratio Lower Upper

117 100

119 4.6 77.4 116.2#

121 0.0 24.5 36.7#





#40

Benzene

Concen: 0.621 ug/l

RT: 5.780 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU044974.D

Acq: 29 Sep 2021 04:53

Instrument :

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ClientSampleId :

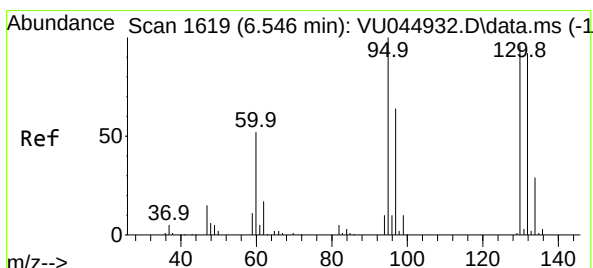
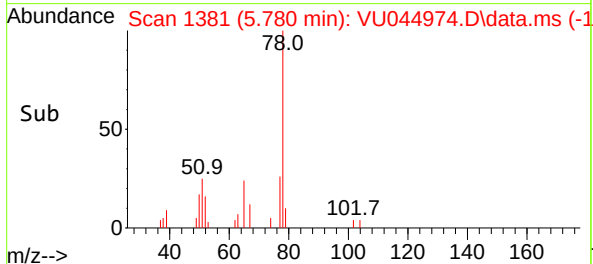
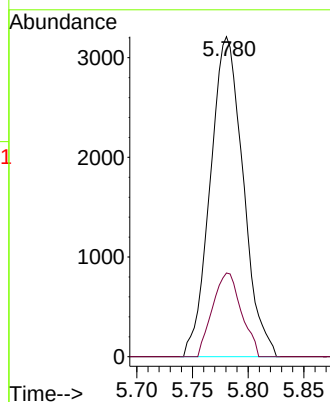
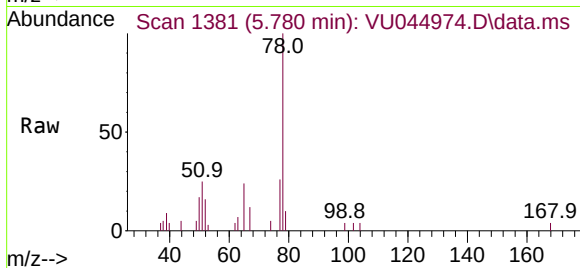
MW-1

Tgt Ion: 78 Resp: 6593

Ion Ratio Lower Upper

78 100

77 26.2 19.1 28.7



#44

Trichloroethene

Concen: 0.657 ug/l

RT: 6.546 min Scan# 1619

Delta R.T. -0.000 min

Lab File: VU044974.D

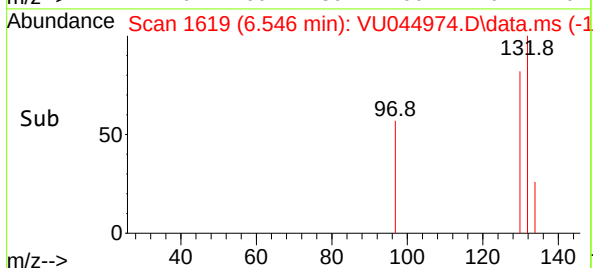
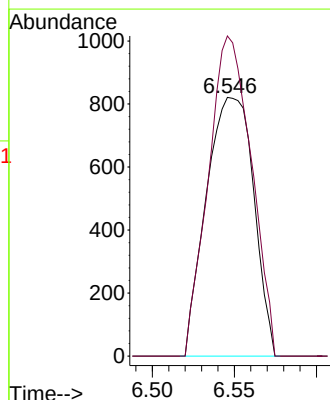
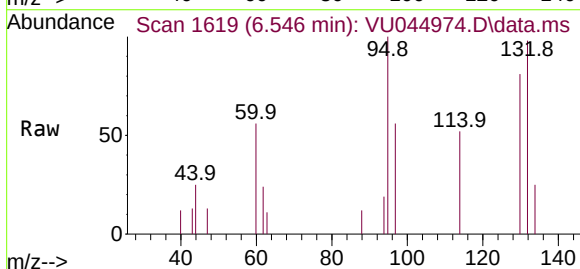
Acq: 29 Sep 2021 04:53

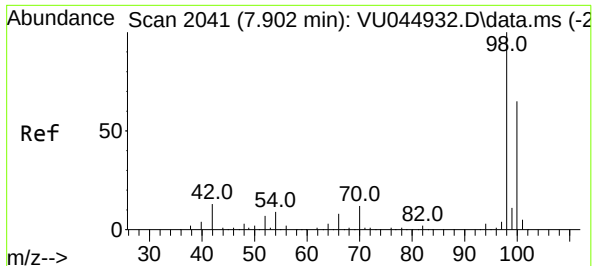
Tgt Ion:130 Resp: 1645

Ion Ratio Lower Upper

130 100

95 123.8 0.0 209.0

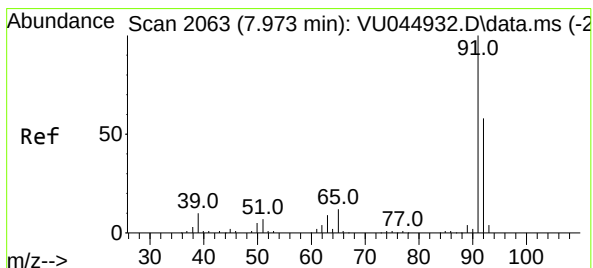
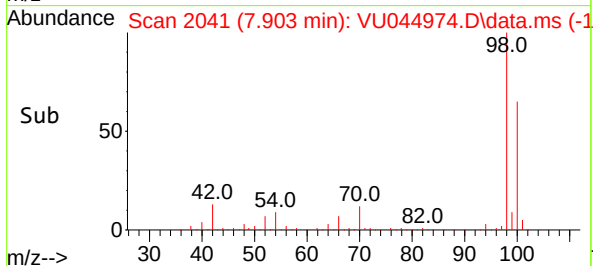
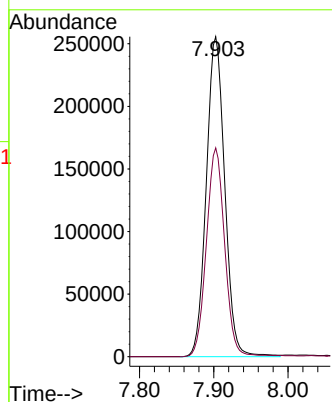
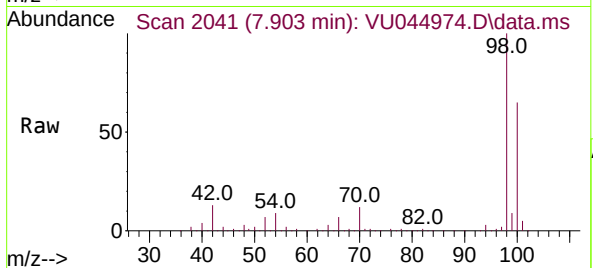




#50
Toluene-d8
Concen: 51.840 ug/l
RT: 7.903 min Scan# 2041
Delta R.T. 0.001 min
Lab File: VU044974.D
Acq: 29 Sep 2021 04:53

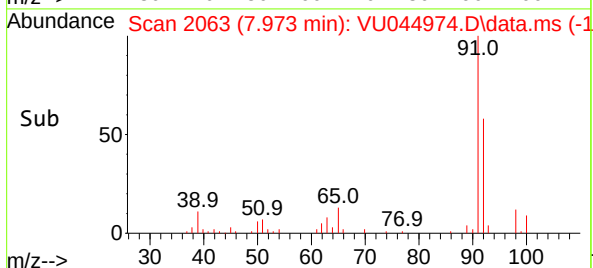
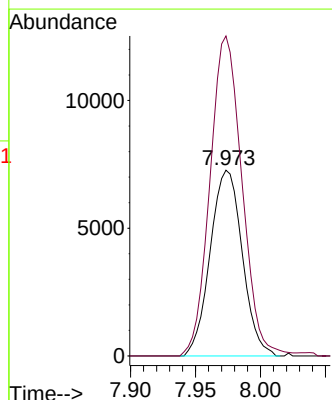
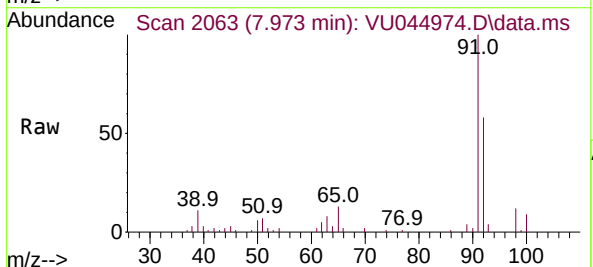
Instrument :
MSVOA_U
ClientSampleId :
MW-1

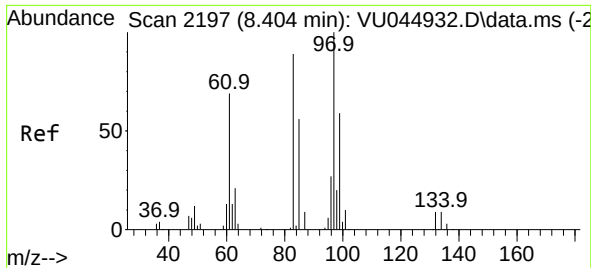
Tgt Ion: 98 Resp: 440686
Ion Ratio Lower Upper
98 100
100 64.9 52.5 78.7



#52
Toluene
Concen: 1.880 ug/l
RT: 7.973 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU044974.D
Acq: 29 Sep 2021 04:53

Tgt Ion: 92 Resp: 12496
Ion Ratio Lower Upper
92 100
91 171.7 136.9 205.3

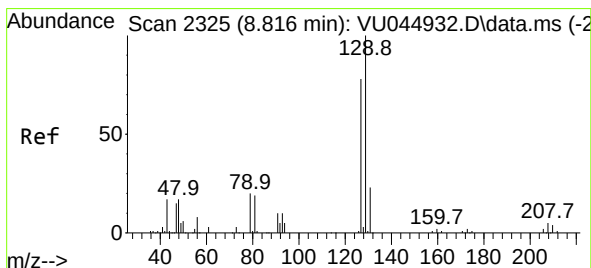
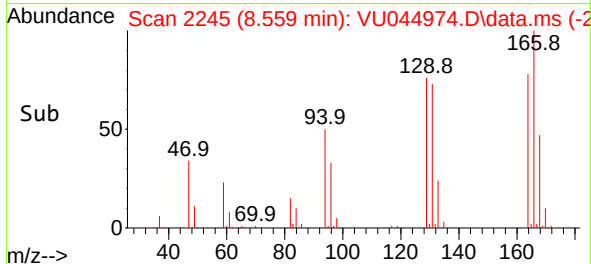
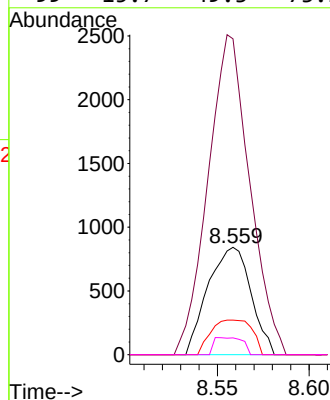
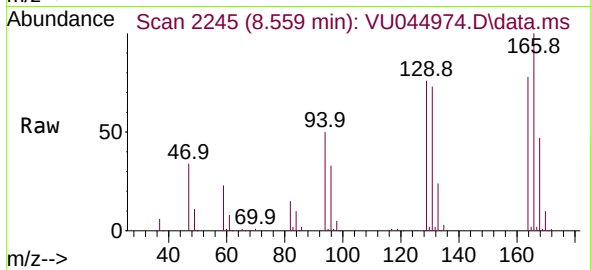




#55
 1,1,2-Trichloroethane
 Concen: 0.496 ug/l
 RT: 8.559 min Scan# 2197
 Delta R.T. 0.155 min
 Lab File: VU044974.D
 Acq: 29 Sep 2021 04:53

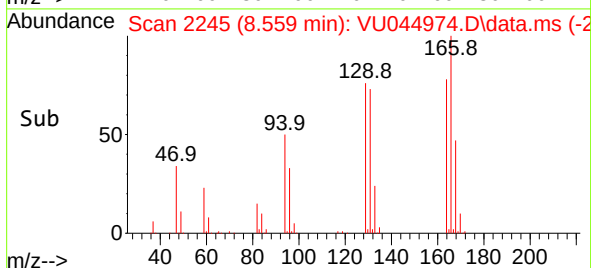
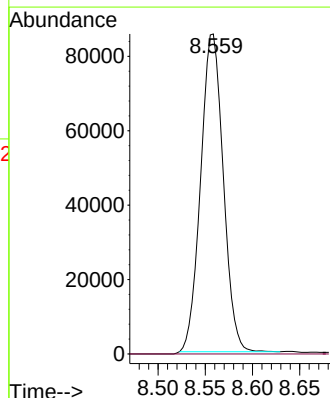
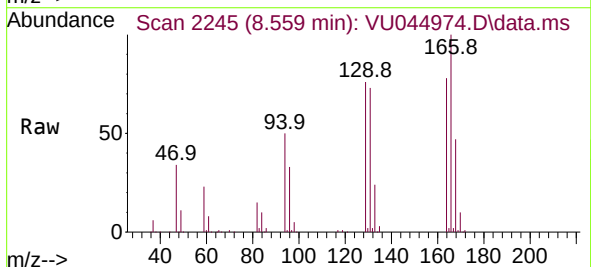
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1

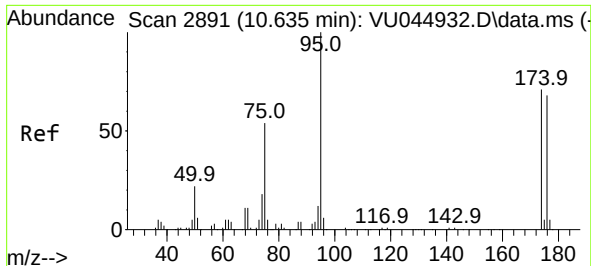
Tgt Ion: 97 Resp: 1374
 Ion Ratio Lower Upper
 97 100
 83 281.0 69.7 104.5#
 85 32.2 44.8 67.2#
 99 15.7 49.3 73.9#



#60
 Dibromochloromethane
 Concen: 48.409 ug/l
 RT: 8.559 min Scan# 2245
 Delta R.T. -0.258 min
 Lab File: VU044974.D
 Acq: 29 Sep 2021 04:53

Tgt Ion: 129 Resp: 141976
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.0 117.0#

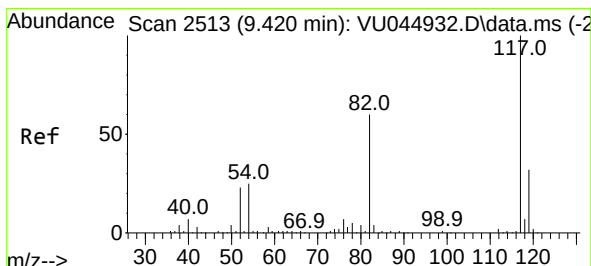
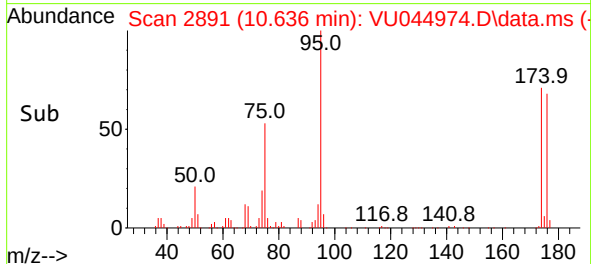
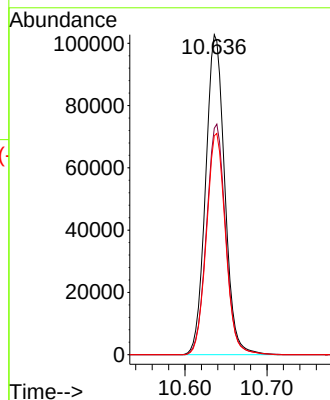
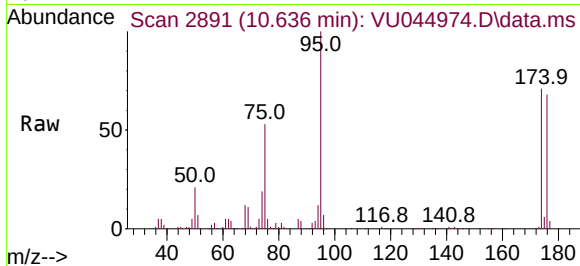




#62
4-Bromofluorobenzene
Concen: 47.254 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.001 min
Lab File: VU044974.D
Acq: 29 Sep 2021 04:53

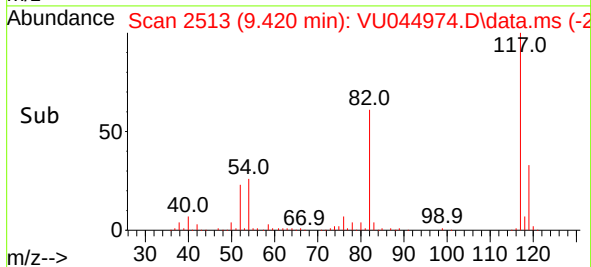
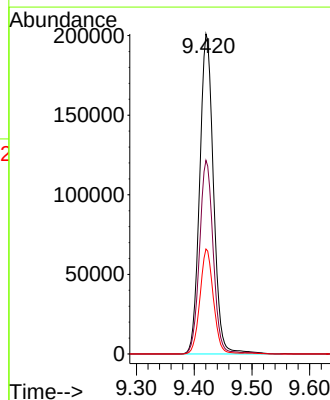
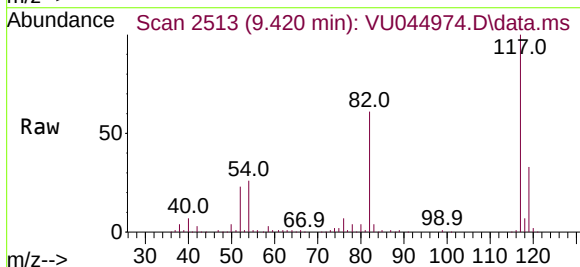
Instrument :
MSVOA_U
ClientSampleId :
MW-1

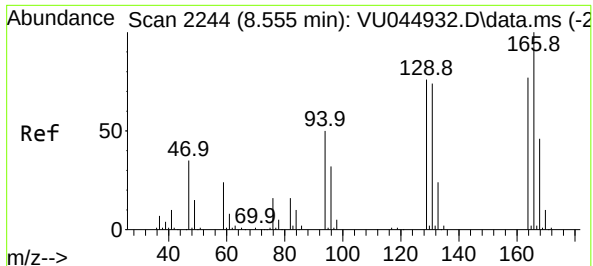
Tgt Ion: 95 Resp: 165846
Ion Ratio Lower Upper
95 100
174 72.4 0.0 146.6
176 69.5 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU044974.D
Acq: 29 Sep 2021 04:53

Tgt Ion: 117 Resp: 333765
Ion Ratio Lower Upper
117 100
82 60.5 47.8 71.8
119 32.8 25.8 38.6

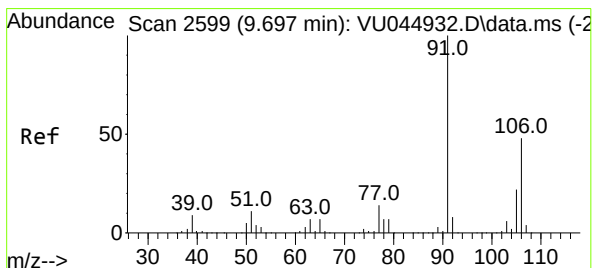
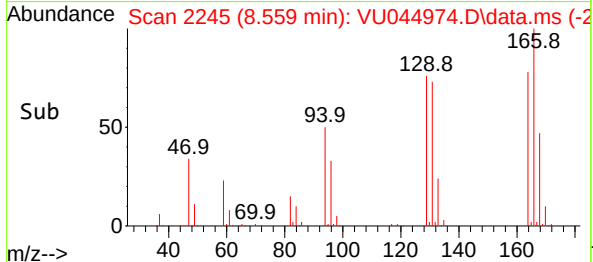
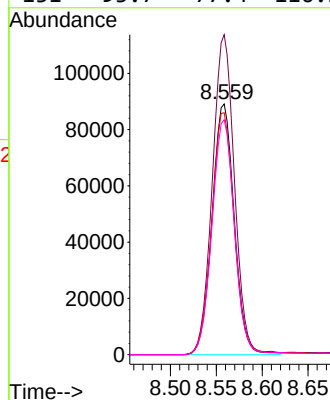
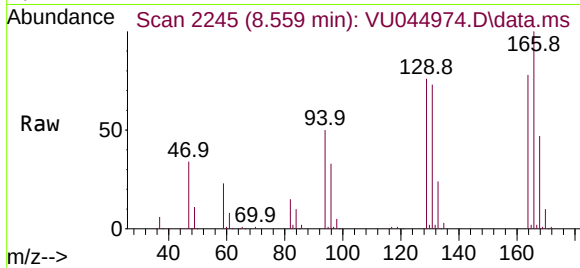




#64
Tetrachloroethene
Concen: 69.081 ug/l
RT: 8.559 min Scan# 21
Delta R.T. 0.004 min
Lab File: VU044974.D
Acq: 29 Sep 2021 04:53

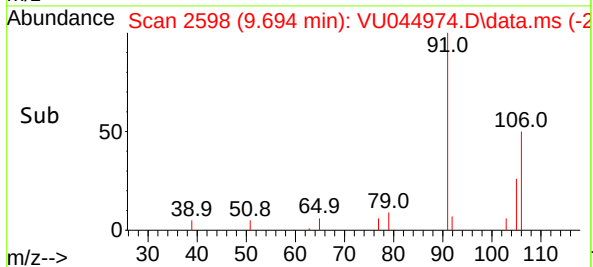
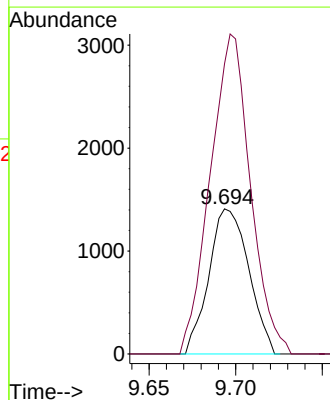
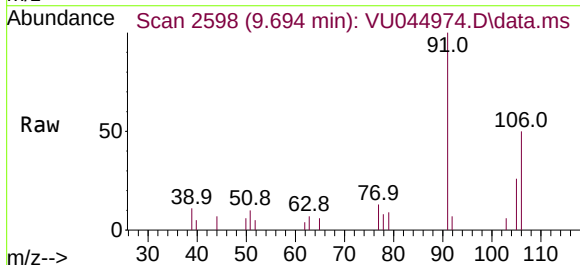
Instrument :
MSVOA_U
ClientSampleId :
MW-1

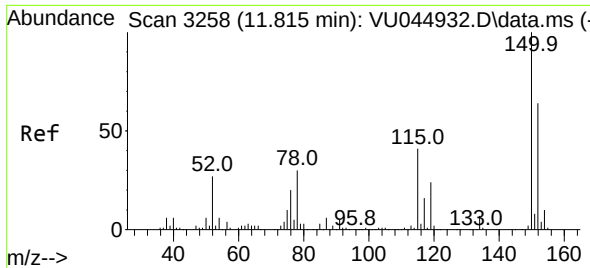
Tgt Ion:164 Resp: 150486
Ion Ratio Lower Upper
164 100
166 127.6 102.8 154.2
129 96.5 79.4 119.2
131 93.7 77.4 116.2



#68
m/p-Xylenes
Concen: 0.451 ug/l
RT: 9.694 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU044974.D
Acq: 29 Sep 2021 04:53

Tgt Ion:106 Resp: 2258
Ion Ratio Lower Upper
106 100
91 222.0 164.2 246.2

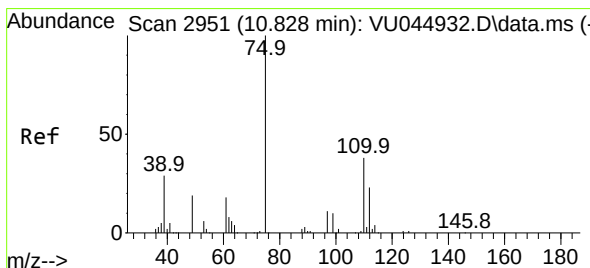
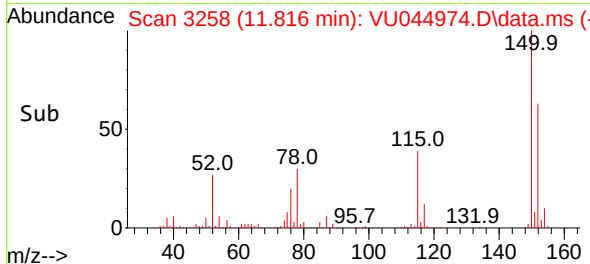
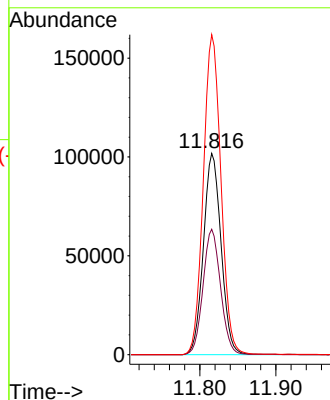
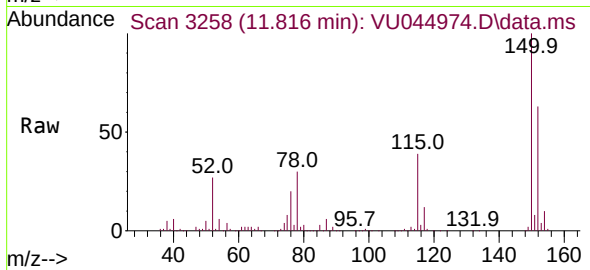




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.816 min Scan# 31
 Delta R.T. 0.001 min
 Lab File: VU044974.D
 Acq: 29 Sep 2021 04:53

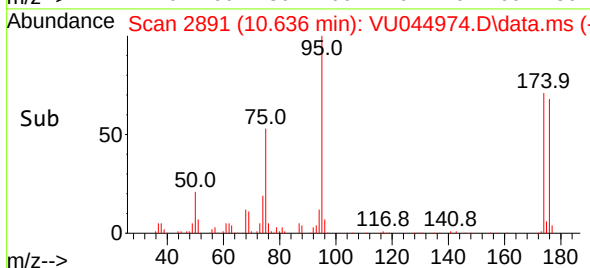
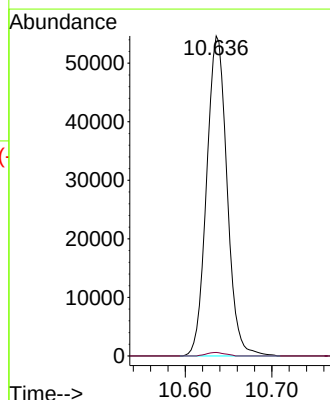
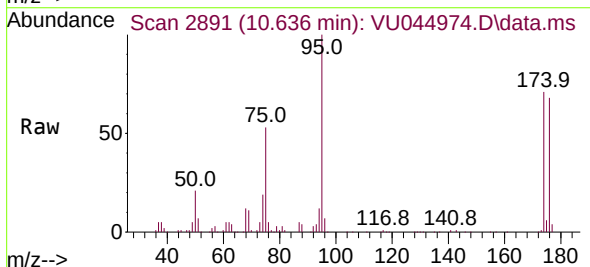
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1

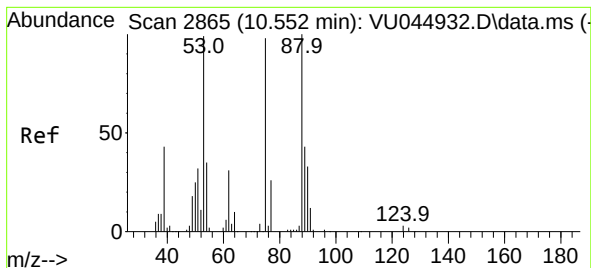
Tgt Ion:152 Resp: 164119
 Ion Ratio Lower Upper
 152 100
 115 61.8 43.5 130.7
 150 158.5 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 18.685 ug/l
 RT: 10.636 min Scan# 2891
 Delta R.T. -0.192 min
 Lab File: VU044974.D
 Acq: 29 Sep 2021 04:53

Tgt Ion: 75 Resp: 89447
 Ion Ratio Lower Upper
 75 100
 77 1.0 17.9 53.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 51.855 ug/l
 RT: 10.636 min Scan# 21
 Delta R.T. 0.084 min
 Lab File: VU044974.D
 Acq: 29 Sep 2021 04:53

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1

Tgt Ion: 75 Resp: 89447
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.0 123.0#
 89 0.0 34.2 51.4#

