

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060821\
 Data File : VU044094.D
 Acq On : 08 Jun 2021 06:49
 Operator : SY/MD
 Sample : M2613-17
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 08 07:15:34 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)

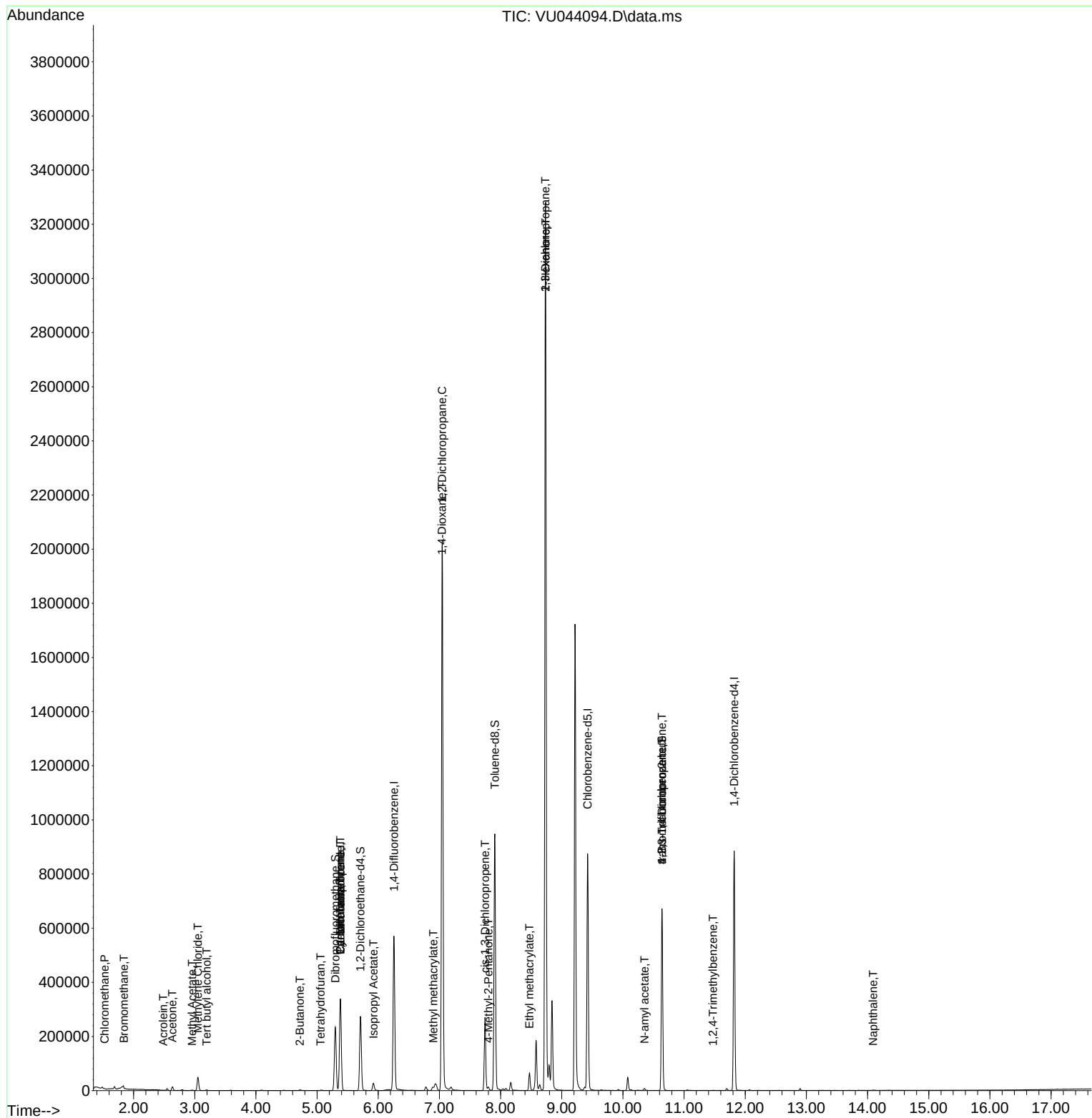
Internal Standards						
1) Pentafluorobenzene	5.382	168	218977	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	438105	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	461190	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	217085	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	199063	52.198	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.400%	
35) Dibromofluoromethane	5.298	113	153292	49.031	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.060%	
50) Toluene-d8	7.906	98	608622	50.470	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.940%	
62) 4-Bromofluorobenzene	10.639	95	228307	47.818	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.640%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.527	50	1103	0.244	ug/l	96
5) Bromomethane	1.842	94	600	0.357	ug/l	90
11) Tert butyl alcohol	3.195	59	1893	2.002	ug/l #	72
13) Acrolein	2.488	56	499	0.671	ug/l	90
16) Acetone	2.636	43	14644	6.653	ug/l	99
18) Methyl Acetate	2.957	43	1864	0.384	ug/l	93
20) Methylene Chloride	3.051	84	23562	5.630	ug/l	95
25) 2-Butanone	4.719	43	4133	1.316	ug/l #	86
29) Tetrahydrofuran	5.060	42	383	0.220	ug/l #	8
31) Cyclohexane	5.382	56	5415	1.029	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	20004	4.053	ug/l #	51
38) Carbon Tetrachloride	5.382	117	23481	5.265	ug/l #	16
43) Isopropyl Acetate	5.922	43	29083	3.308	ug/l	98
45) 1,2-Dichloropropane	7.044	63	2544	0.627	ug/l #	42
48) Methyl methacrylate	6.903	41	11941	2.754	ug/l #	14
49) 1,4-Dioxane	7.041	88	108	1.013	ug/l #	1
51) 4-Methyl-2-Pentanone	7.800	43	6787	1.039	ug/l	94
54) cis-1,3-Dichloropropene	7.745	75	46832	7.759	ug/l #	66
56) Ethyl methacrylate	8.472	69	375	3.439	ug/l #	1
57) 1,3-Dichloropropane	8.732	76	32881	4.947	ug/l #	43
59) 2-Hexanone	8.735	43	426949	84.142	ug/l #	50
74) N-amyl acetate	10.353	43	2353	0.352	ug/l #	56
76) 1,2,3-Trichloropropane	10.639	75	119429	19.666	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.639	75	119429	57.425	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.475	105	366	0.974	ug/l #	32
95) Naphthalene	14.092	128	936	2.905	ug/l #	76

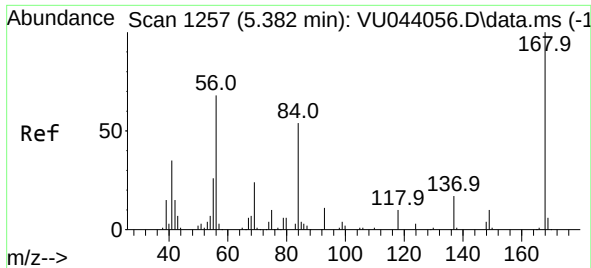
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jun 08 05:21:34 2021
Response via : Initial Calibration

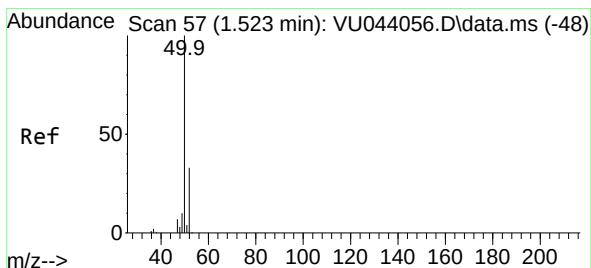
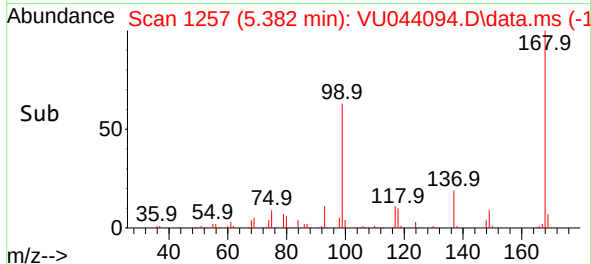
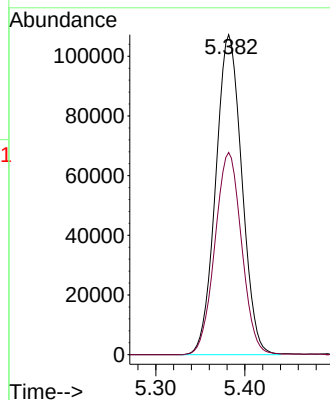
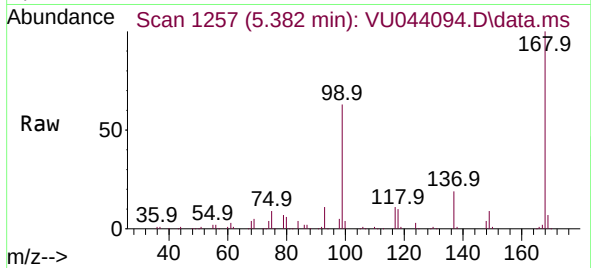




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044094.D
Acq: 08 Jun 2021 06:49

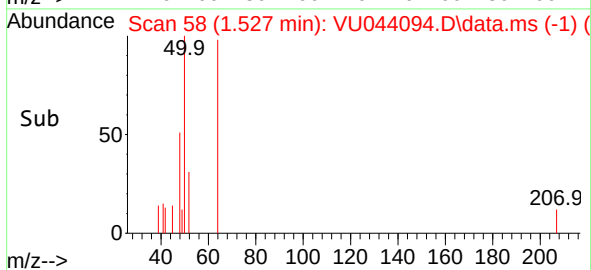
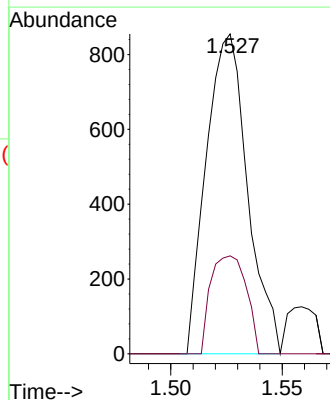
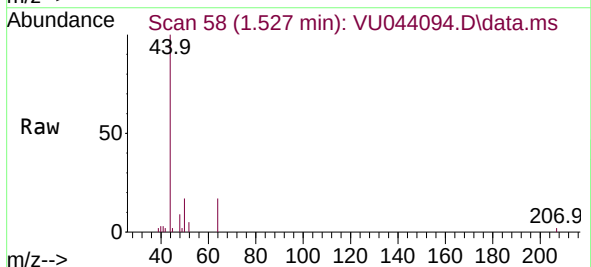
Instrument :
MSVOA_U
ClientSampled :

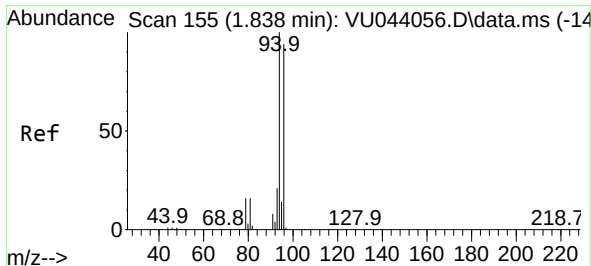
Tgt Ion:168 Resp: 218977
Ion Ratio Lower Upper
168 100
99 63.2 52.6 78.8



#3
Chloromethane
Concen: 0.244 ug/l
RT: 1.527 min Scan# 58
Delta R.T. 0.003 min
Lab File: VU044094.D
Acq: 08 Jun 2021 06:49

Tgt Ion: 50 Resp: 1103
Ion Ratio Lower Upper
50 100
52 30.6 26.2 39.2

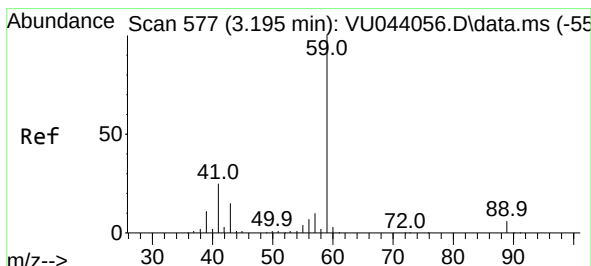
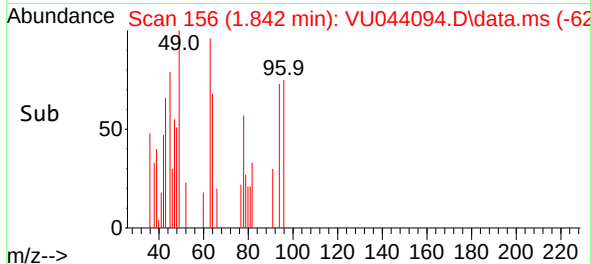
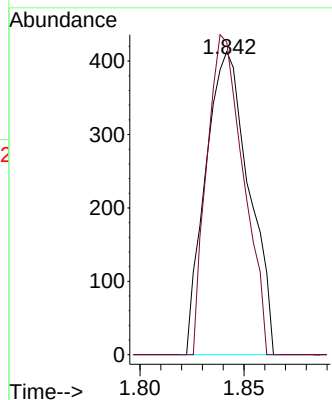
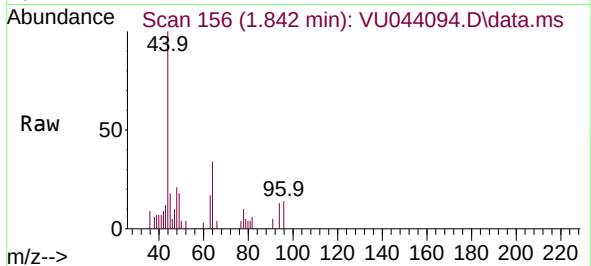




#5
Bromomethane
Concen: 0.357 ug/l
RT: 1.842 min Scan# 156
Delta R.T. 0.004 min
Lab File: VU044094.D
Acq: 08 Jun 2021 06:49

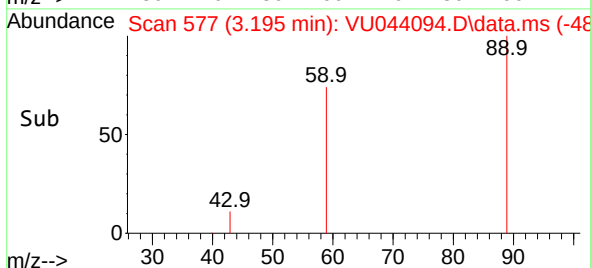
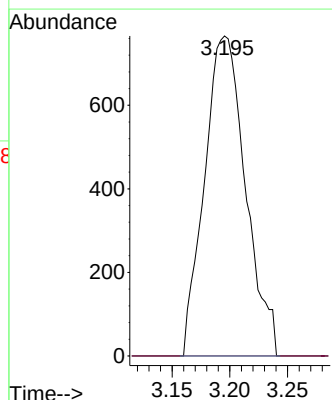
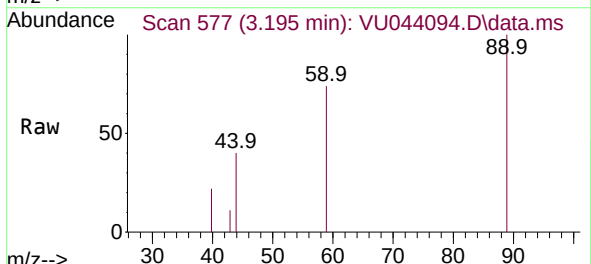
Instrument :
MSVOA_U
ClientSampled :

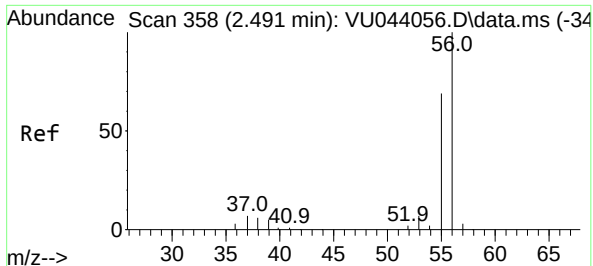
Tgt Ion: 94 Resp: 600
Ion Ratio Lower Upper
94 100
96 103.1 74.8 112.2



#11
Tert butyl alcohol
Concen: 2.002 ug/l
RT: 3.195 min Scan# 577
Delta R.T. 0.000 min
Lab File: VU044094.D
Acq: 08 Jun 2021 06:49

Tgt Ion: 59 Resp: 1893
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

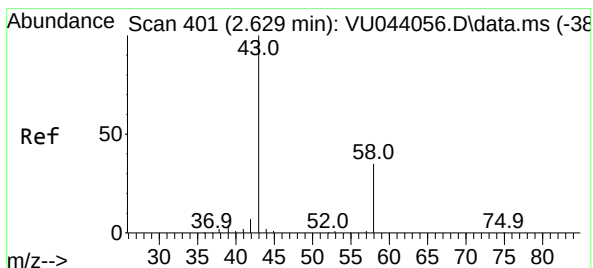
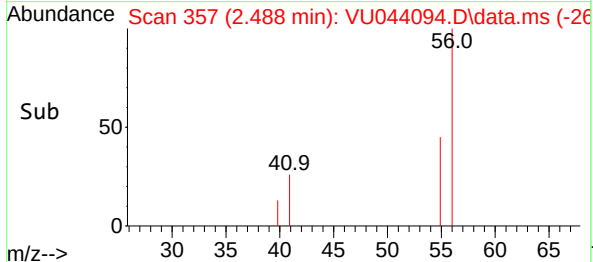
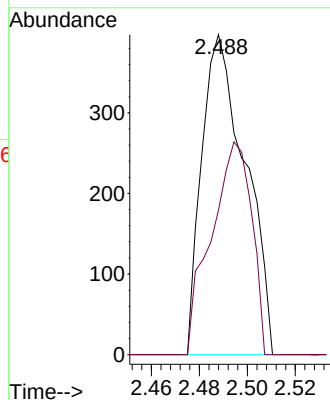
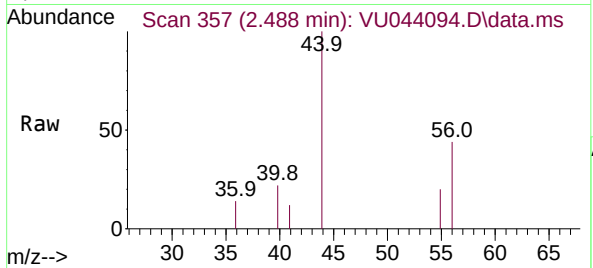




#13
Acrolein
Concen: 0.671 ug/l
RT: 2.488 min Scan# 357
Delta R.T. -0.003 min
Lab File: VU044094.D
Acq: 08 Jun 2021 06:49

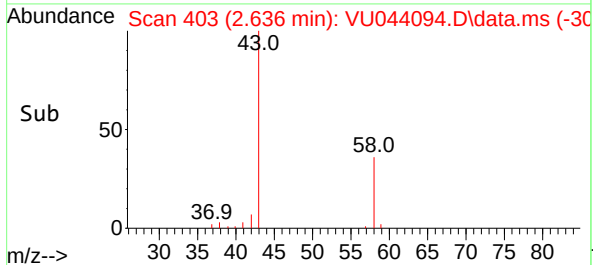
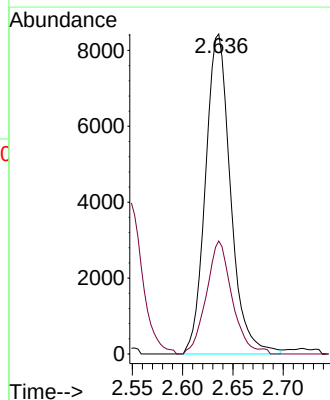
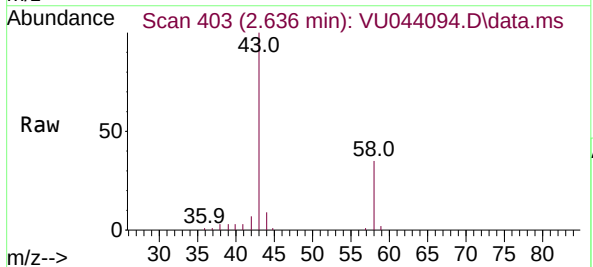
Instrument :
MSVOA_U
ClientSampled :

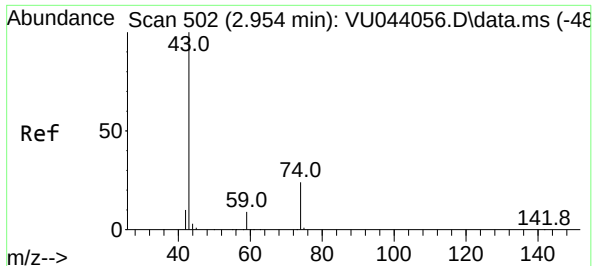
Tgt Ion: 56 Resp: 499
Ion Ratio Lower Upper
56 100
55 62.1 56.1 84.1



#16
Acetone
Concen: 6.653 ug/l
RT: 2.636 min Scan# 403
Delta R.T. 0.006 min
Lab File: VU044094.D
Acq: 08 Jun 2021 06:49

Tgt Ion: 43 Resp: 14644
Ion Ratio Lower Upper
43 100
58 35.3 27.7 41.5





#18

Methyl Acetate

Concen: 0.384 ug/l

RT: 2.957 min Scan# 503

Delta R.T. 0.003 min

Lab File: VU044094.D

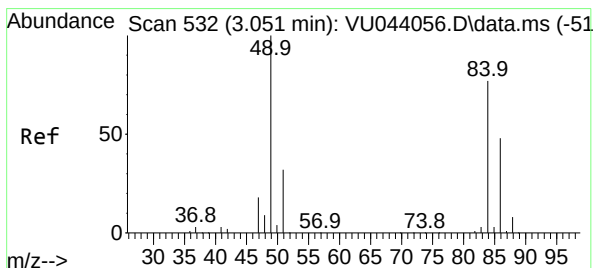
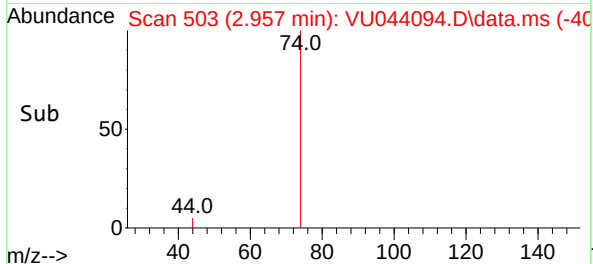
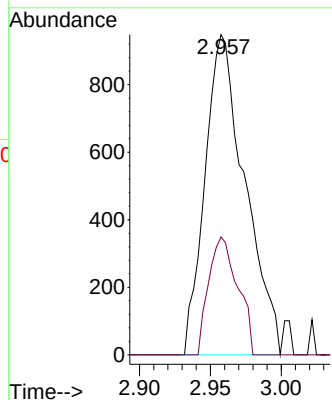
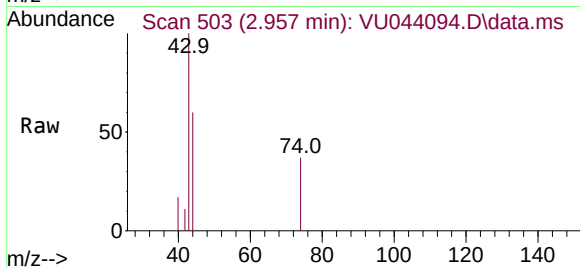
Acq: 08 Jun 2021 06:49

Tgt Ion: 43 Resp: 1864

Ion Ratio Lower Upper

43 100

74 26.7 18.7 28.1



#20

Methylene Chloride

Concen: 5.630 ug/l

RT: 3.051 min Scan# 532

Delta R.T. -0.000 min

Lab File: VU044094.D

Acq: 08 Jun 2021 06:49

Tgt Ion: 84 Resp: 23562

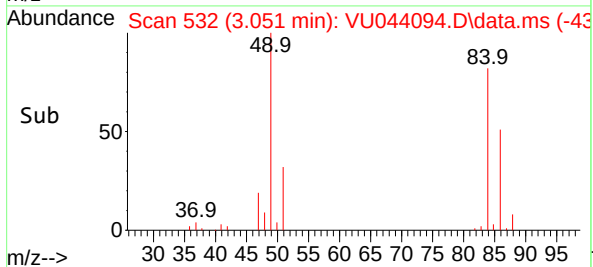
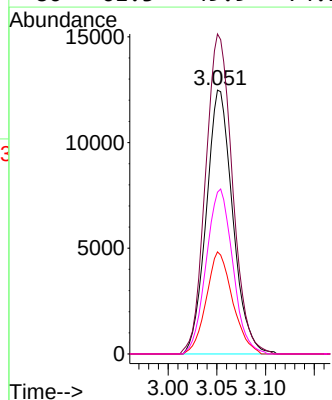
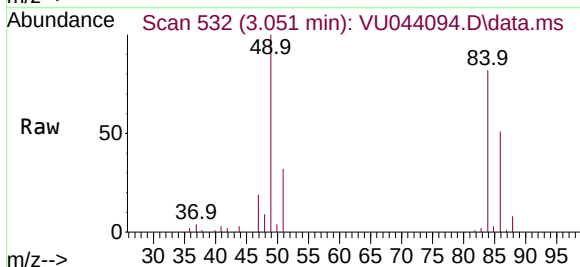
Ion Ratio Lower Upper

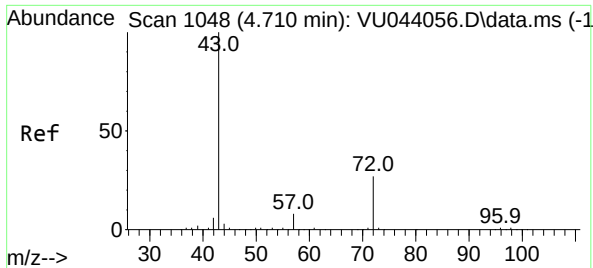
84 100

49 121.3 103.6 155.4

51 38.7 32.8 49.2

86 61.3 49.9 74.9

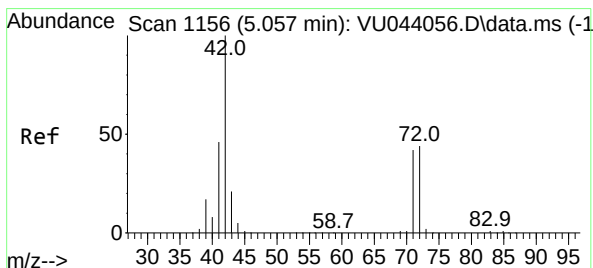
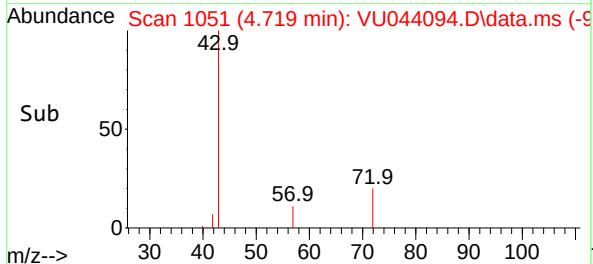
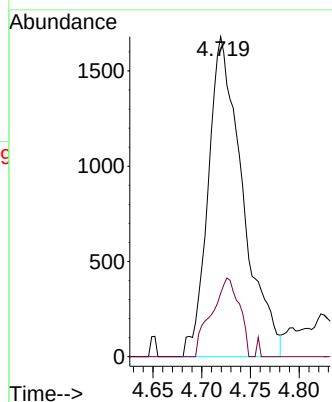
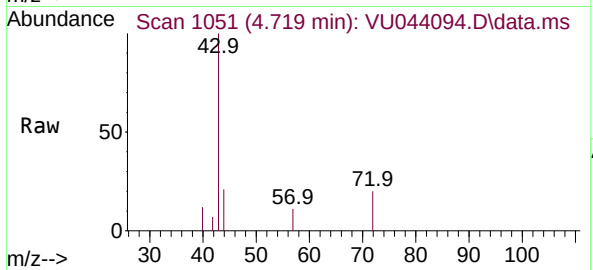




#25
2-Butanone
Concen: 1.316 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. 0.010 min
Lab File: VU044094.D
Acq: 08 Jun 2021 06:49

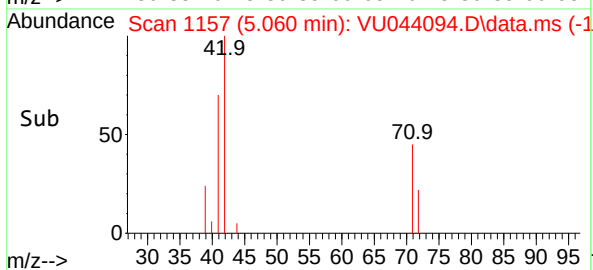
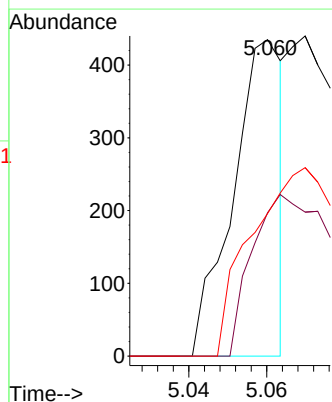
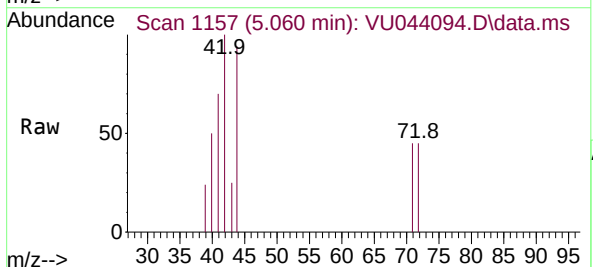
Instrument :
MSVOA_U
ClientSampled :

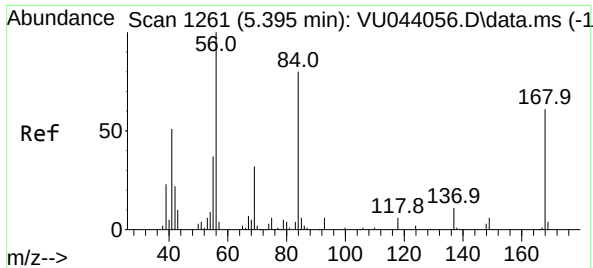
Tgt Ion: 43 Resp: 4133
Ion Ratio Lower Upper
43 100
72 19.8 21.4 32.2#



#29
Tetrahydrofuran
Concen: 0.220 ug/l
RT: 5.060 min Scan# 1157
Delta R.T. 0.003 min
Lab File: VU044094.D
Acq: 08 Jun 2021 06:49

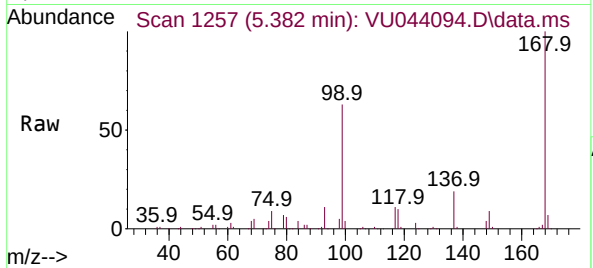
Tgt Ion: 42 Resp: 383
Ion Ratio Lower Upper
42 100
72 98.4 35.6 53.4#
71 105.7 33.3 49.9#



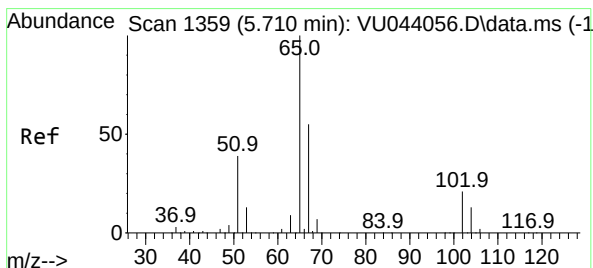
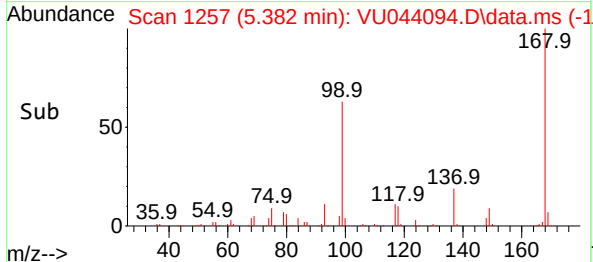
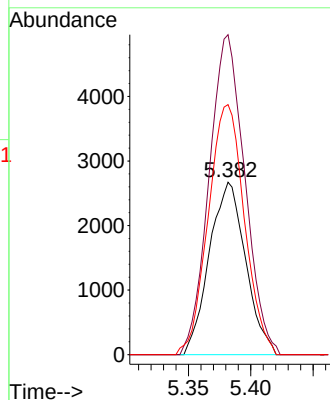


#31
Cyclohexane
Concen: 1.029 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.013 min
Lab File: VU044094.D
Acq: 08 Jun 2021 06:49

Instrument :
MSVOA_U
ClientSampled :

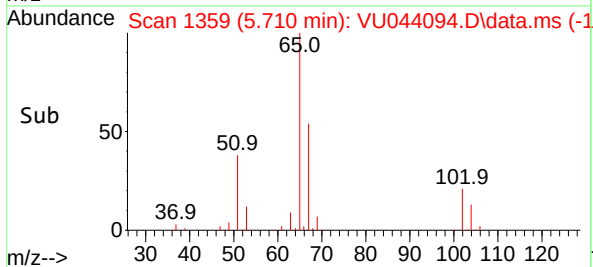
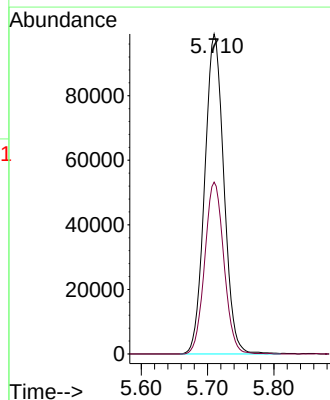
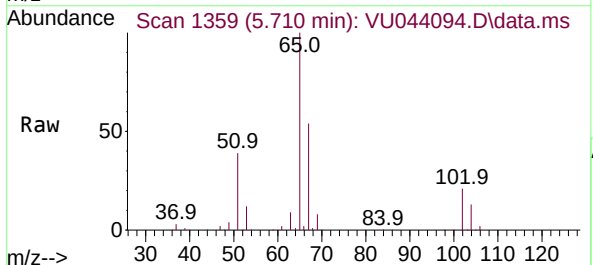


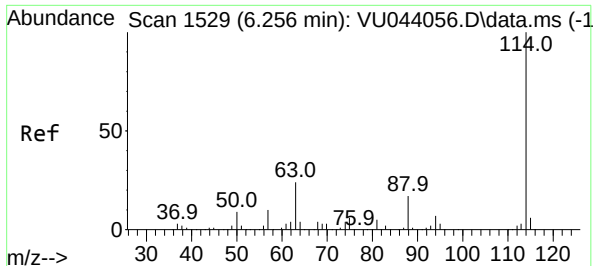
Tgt Ion: 56 Resp: 5415
Ion Ratio Lower Upper
56 100
69 185.4 25.4 38.2#
84 145.0 64.2 96.2#



#33
1,2-Dichloroethane-d4
Concen: 52.198 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. 0.000 min
Lab File: VU044094.D
Acq: 08 Jun 2021 06:49

Tgt Ion: 65 Resp: 199063
Ion Ratio Lower Upper
65 100
67 53.7 0.0 109.2

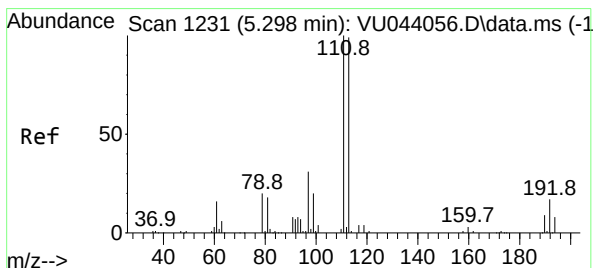
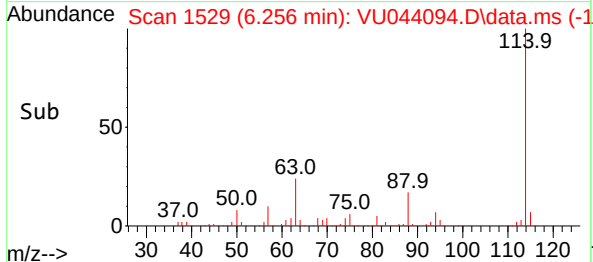
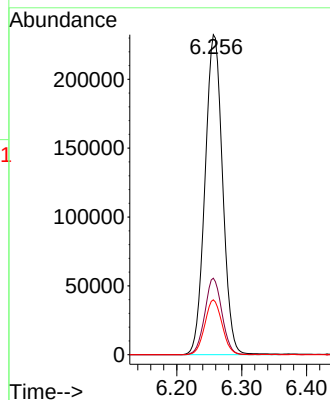
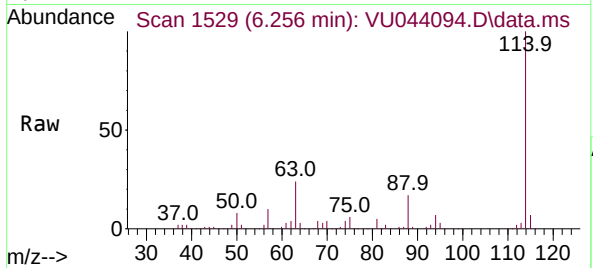




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044094.D
Acq: 08 Jun 2021 06:49

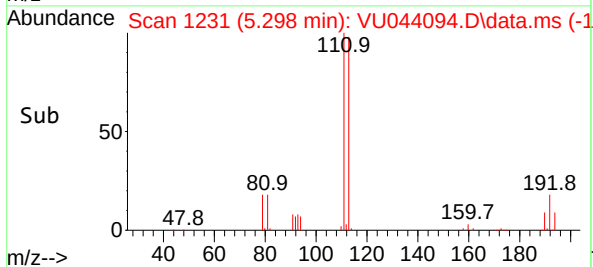
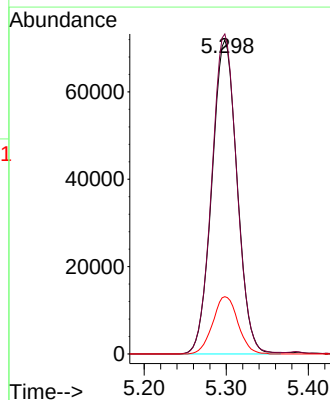
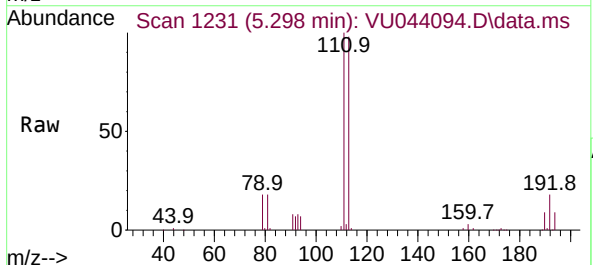
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MSVOA_U
ClientSampled :

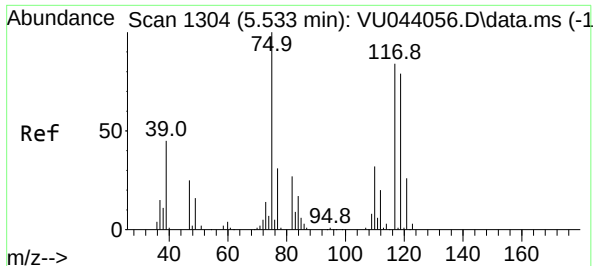
Tgt Ion:114 Resp: 438105
Ion Ratio Lower Upper
114 100
63 23.9 0.0 48.4
88 17.1 0.0 34.4



#35
Dibromofluoromethane
Concen: 49.031 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VU044094.D
Acq: 08 Jun 2021 06:49

Tgt Ion:113 Resp: 153292
Ion Ratio Lower Upper
113 100
111 101.7 82.1 123.1
192 18.3 13.8 20.8



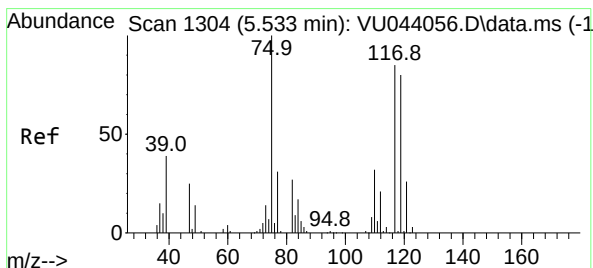
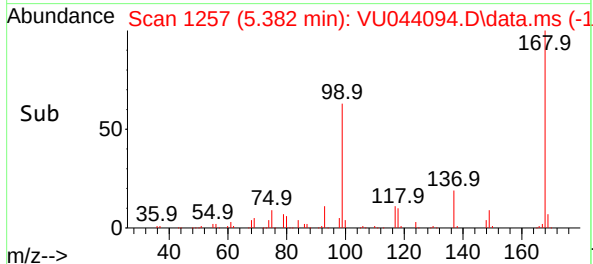
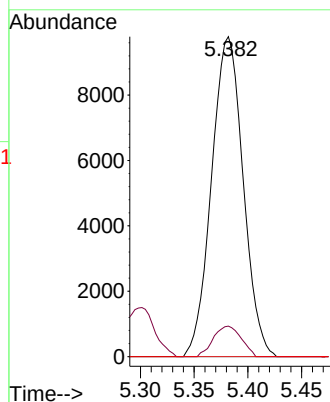
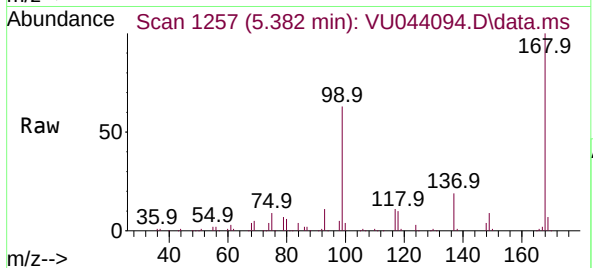


#36

1,1-Dichloropropene
Concen: 4.053 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044094.D
Acq: 08 Jun 2021 06:49

Instrument :
MSVOA_U
ClientSampled :

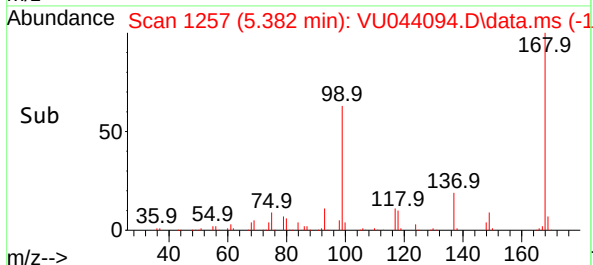
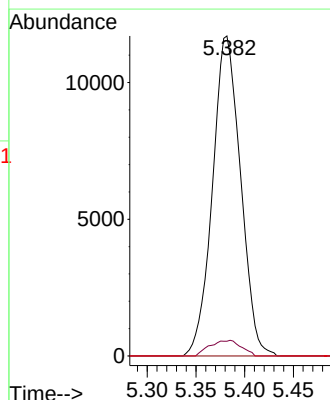
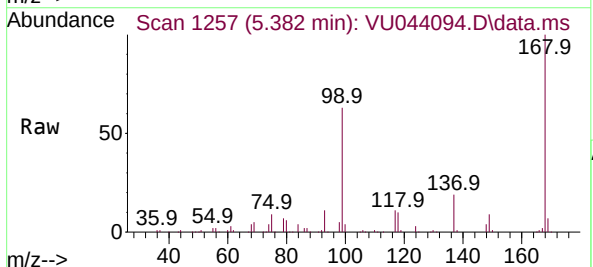
Tgt Ion: 75 Resp: 20004
Ion Ratio Lower Upper
75 100
110 8.4 15.9 47.7#
77 0.0 25.0 37.4#

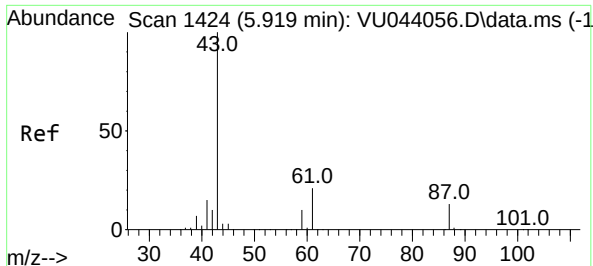


#38

Carbon Tetrachloride
Concen: 5.265 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044094.D
Acq: 08 Jun 2021 06:49

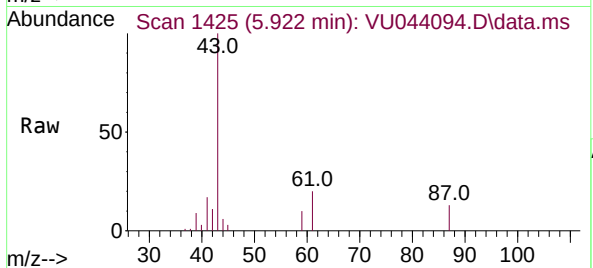
Tgt Ion:117 Resp: 23481
Ion Ratio Lower Upper
117 100
119 4.6 75.4 113.2#
121 0.0 24.5 36.7#



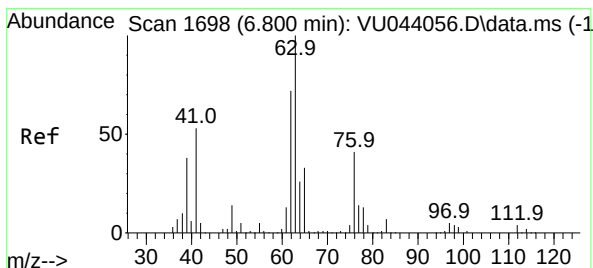
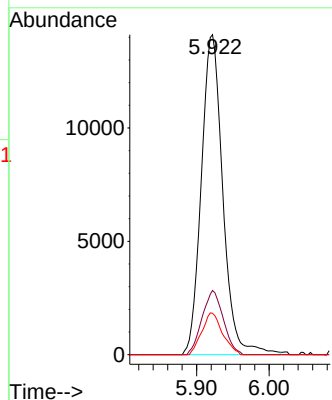
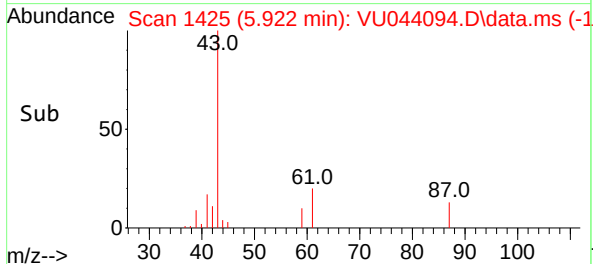


#43
Isopropyl Acetate
Concen: 3.308 ug/l
RT: 5.922 min Scan# 1425
Delta R.T. 0.003 min
Lab File: VU044094.D
Acq: 08 Jun 2021 06:49

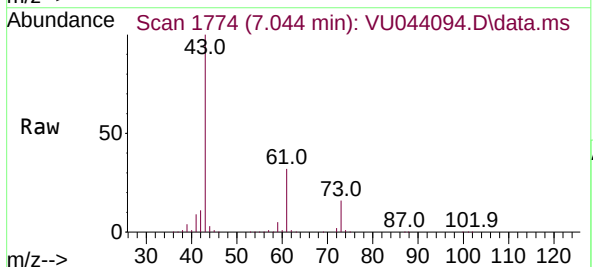
Instrument :
MSVOA_U
ClientSampled :



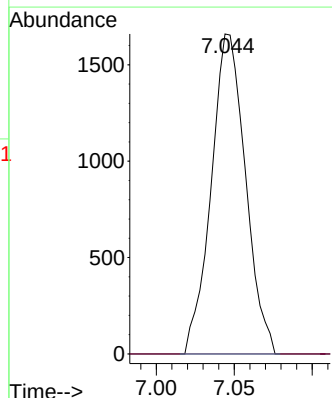
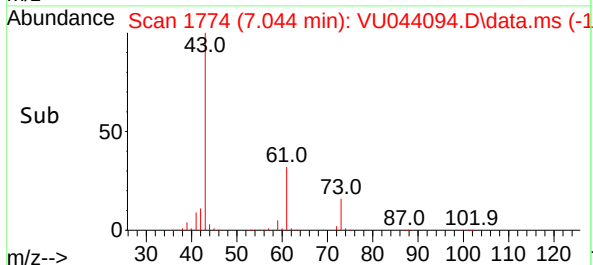
Tgt Ion: 43	Resp: 29083
Ion Ratio	Lower Upper
43	100
61	19.8 16.8 25.2
87	12.5 10.2 15.2

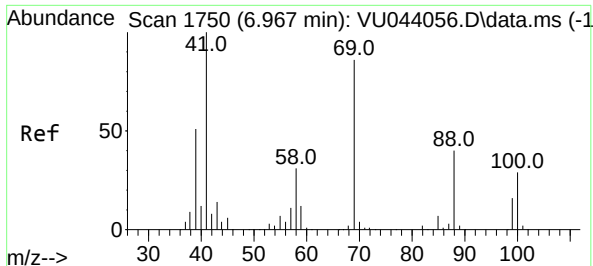


#45
1,2-Dichloropropane
Concen: 0.627 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.244 min
Lab File: VU044094.D
Acq: 08 Jun 2021 06:49



Tgt Ion: 63	Resp: 2544
Ion Ratio	Lower Upper
63	100
65	0.0 26.3 39.5#





#48

Methyl methacrylate

Concen: 2.754 ug/l

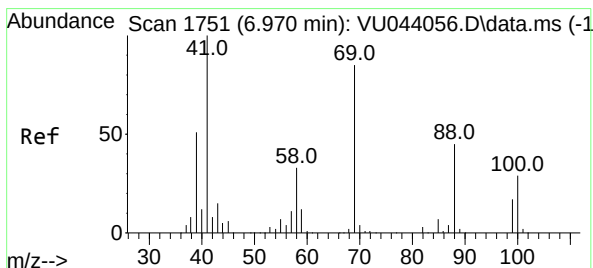
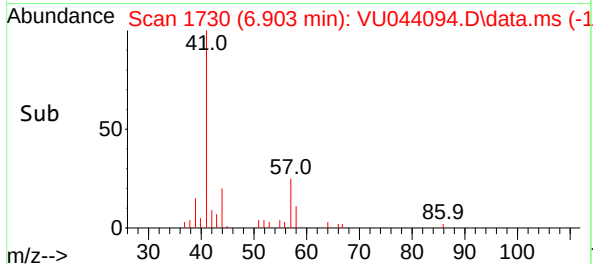
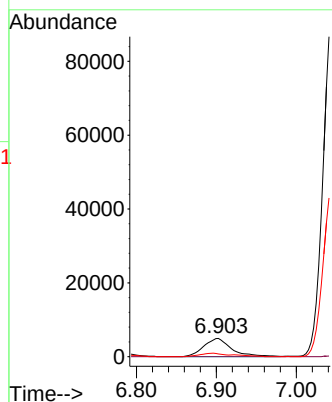
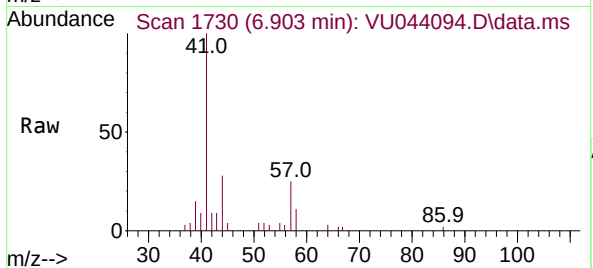
RT: 6.903 min Scan# 1730

Delta R.T. -0.064 min

Lab File: VU044094.D

Acq: 08 Jun 2021 06:49

Tgt Ion:	41	Resp:	11941
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: 1.013 ug/l

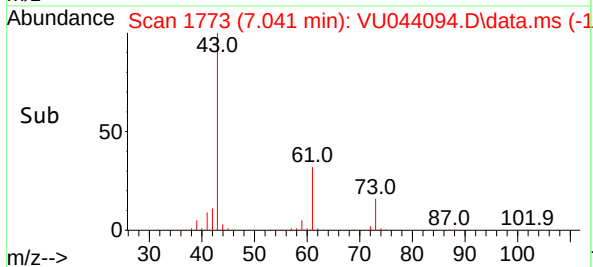
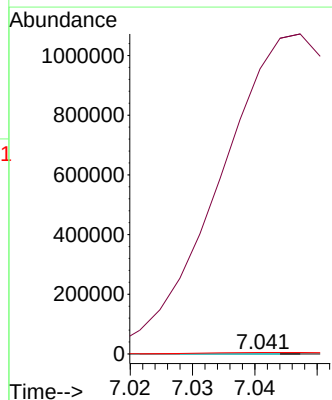
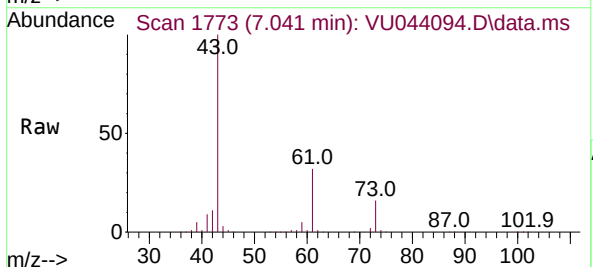
RT: 7.041 min Scan# 1773

Delta R.T. 0.071 min

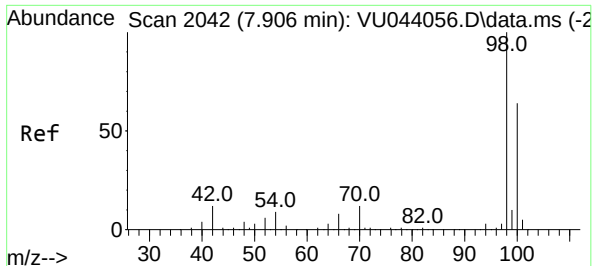
Lab File: VU044094.D

Acq: 08 Jun 2021 06:49

Tgt Ion:	88	Resp:	108
Ion Ratio	Lower	Upper	
88	100		
43	1682122.2	25.0	37.4#
58	8845.4	60.0	90.0#



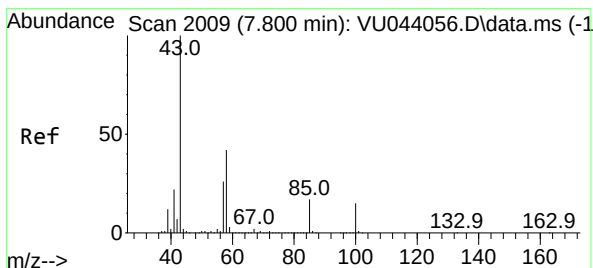
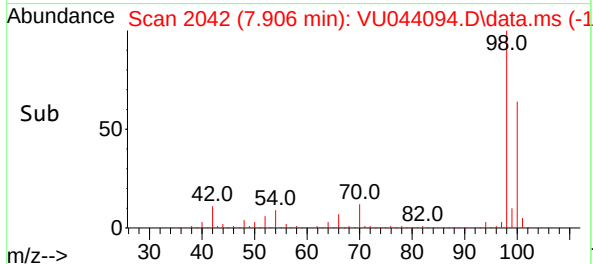
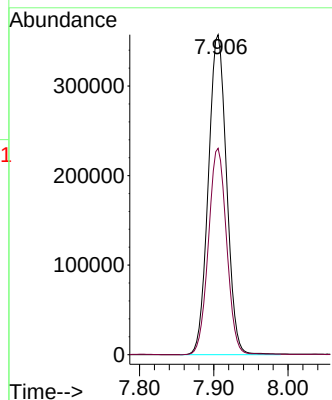
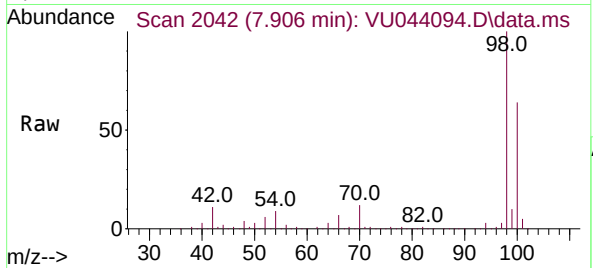
Instrument :
MSVOA_U
ClientSampleId :



#50
Toluene-d8
Concen: 50.470 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU044094.D
Acq: 08 Jun 2021 06:49

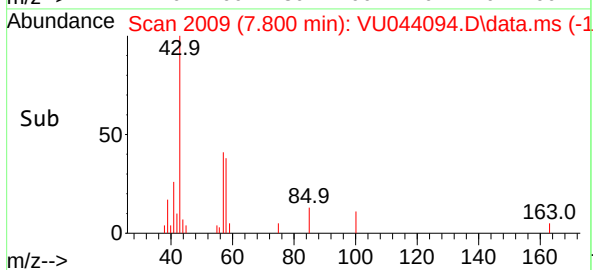
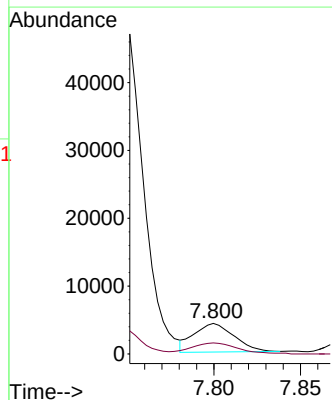
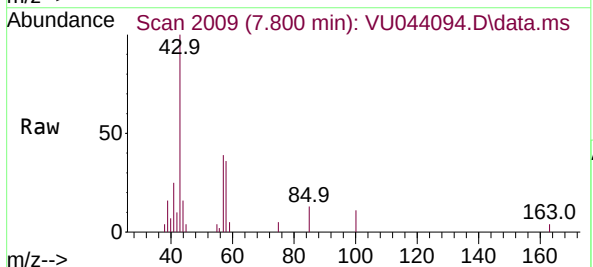
Instrument :
MSVOA_U
ClientSampled :

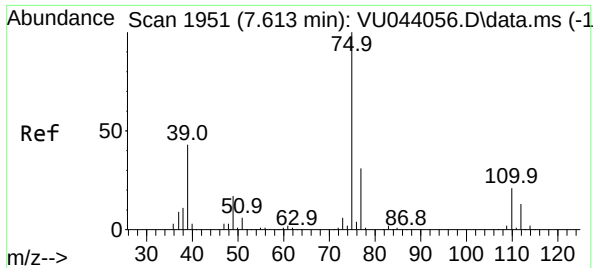
Tgt Ion: 98 Resp: 608622
Ion Ratio Lower Upper
98 100
100 64.4 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.039 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VU044094.D
Acq: 08 Jun 2021 06:49

Tgt Ion: 43 Resp: 6787
Ion Ratio Lower Upper
43 100
58 45.3 33.3 49.9

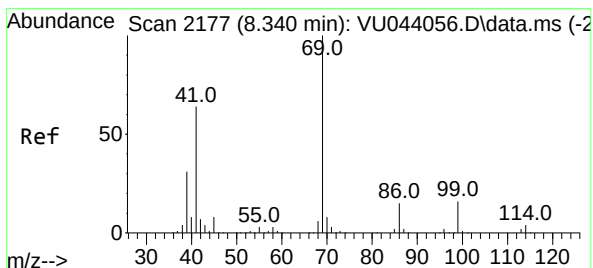
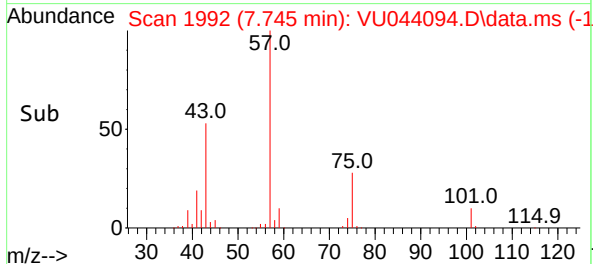
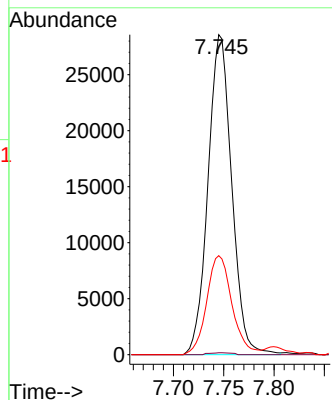
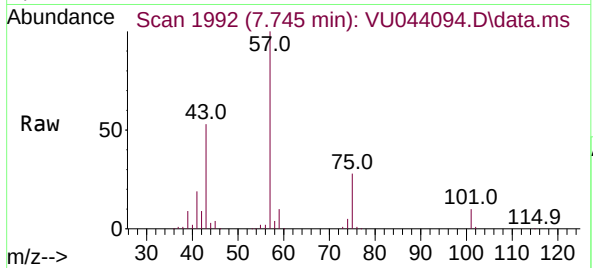




#54
 cis-1,3-Dichloropropene
 Concen: 7.759 ug/l
 RT: 7.745 min Scan# 1992
 Delta R.T. 0.132 min
 Lab File: VU044094.D
 Acq: 08 Jun 2021 06:49

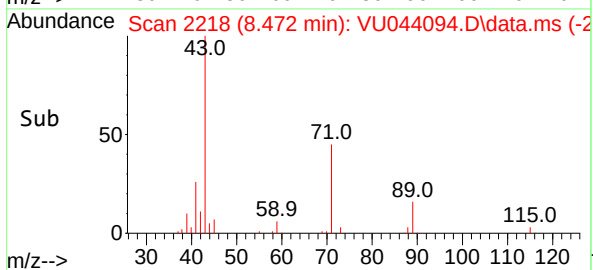
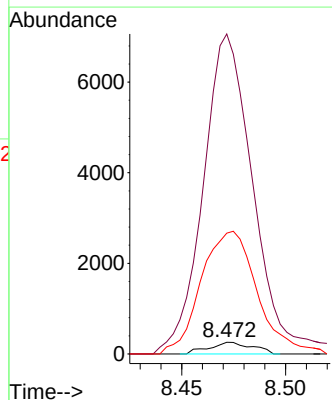
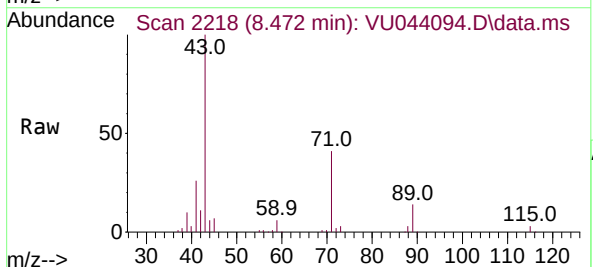
Instrument :
 MSVOA_U
 ClientSampleId :

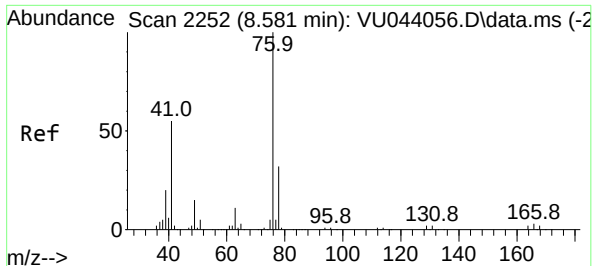
Tgt Ion: 75 Resp: 46832
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 31.0 34.7 52.1#



#56
 Ethyl methacrylate
 Concen: 3.439 ug/l
 RT: 8.472 min Scan# 2218
 Delta R.T. 0.132 min
 Lab File: VU044094.D
 Acq: 08 Jun 2021 06:49

Tgt Ion: 69 Resp: 375
 Ion Ratio Lower Upper
 69 100
 41 3168.3 51.4 77.0#
 39 1357.9 24.9 37.3#



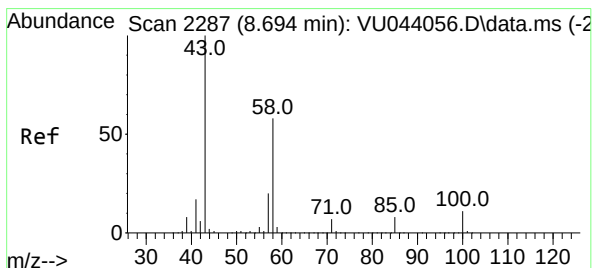
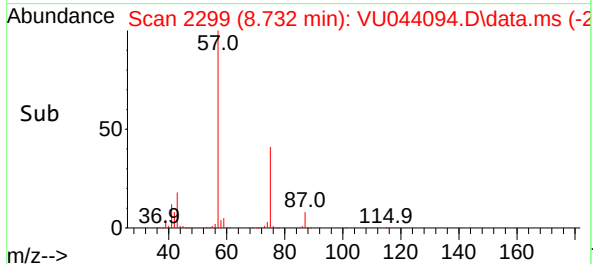
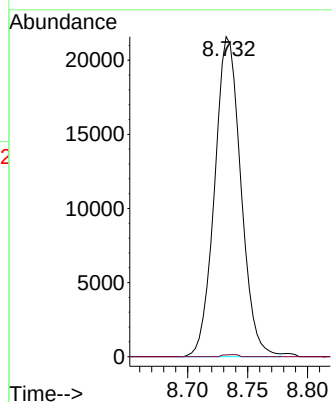
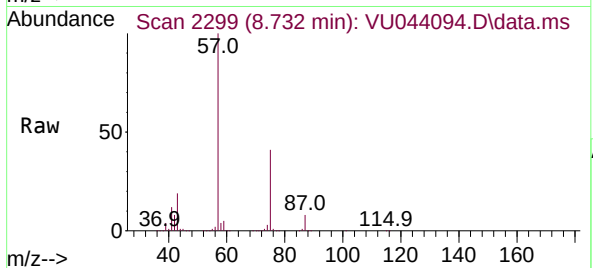


#57

1,3-Dichloropropane
Concen: 4.947 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.151 min
Lab File: VU044094.D
Acq: 08 Jun 2021 06:49

Instrument :
MSVOA_U
ClientSampled :

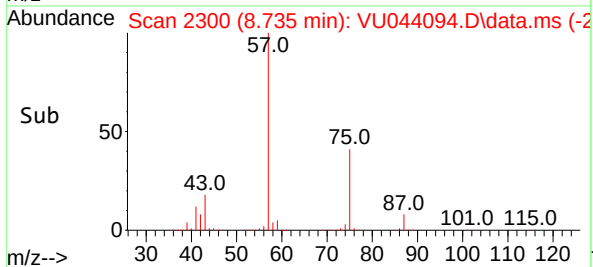
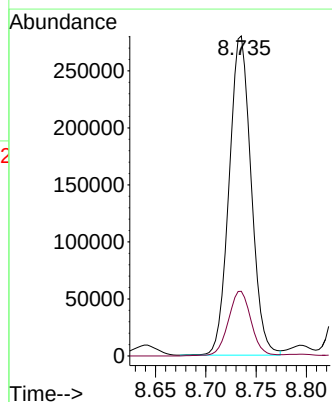
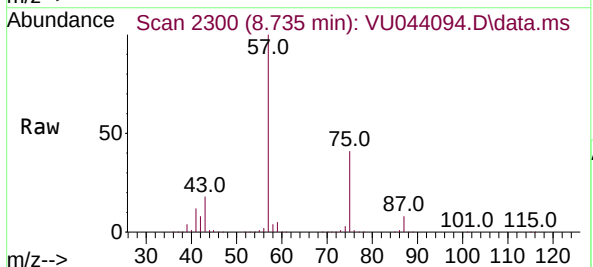
Tgt Ion: 76 Resp: 32881
Ion Ratio Lower Upper
76 100
78 0.4 25.9 38.9#

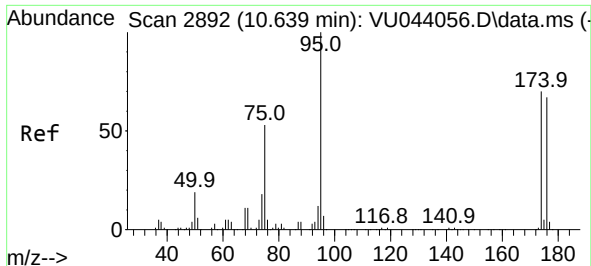


#59

2-Hexanone
Concen: 84.142 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.042 min
Lab File: VU044094.D
Acq: 08 Jun 2021 06:49

Tgt Ion: 43 Resp: 426949
Ion Ratio Lower Upper
43 100
58 21.1 29.0 87.1#

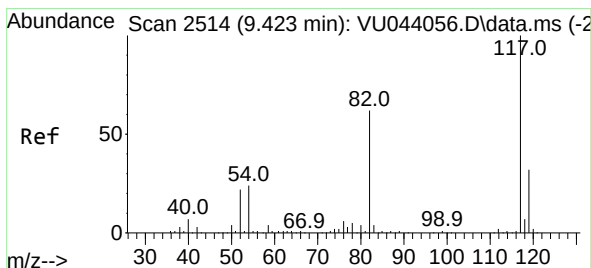
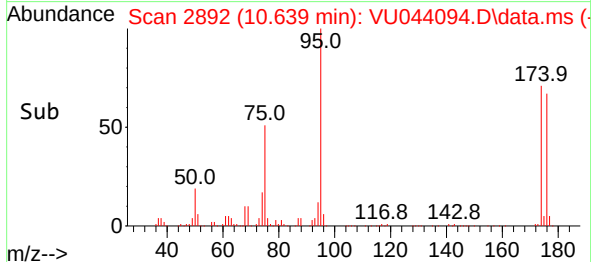
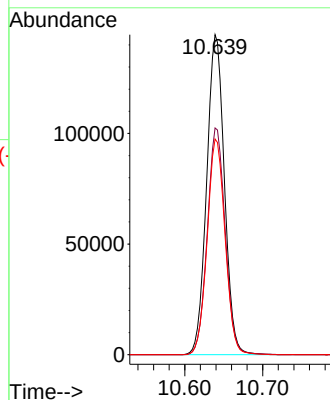
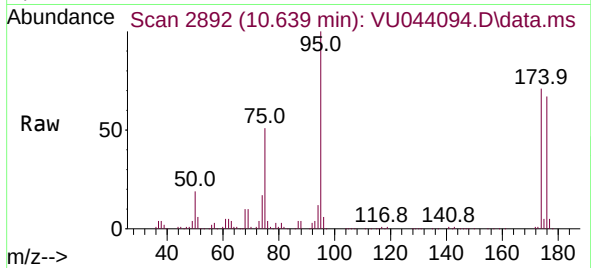




#62
4-Bromofluorobenzene
Concen: 47.818 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044094.D
Acq: 08 Jun 2021 06:49

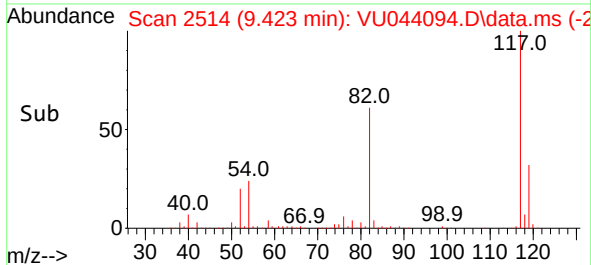
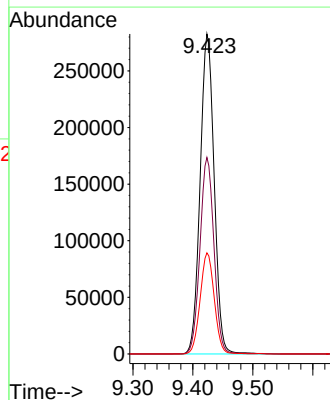
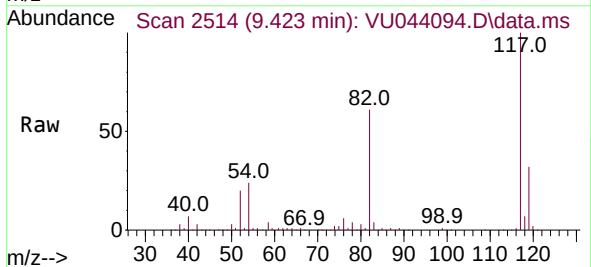
Instrument :
MSVOA_U
ClientSampleId :

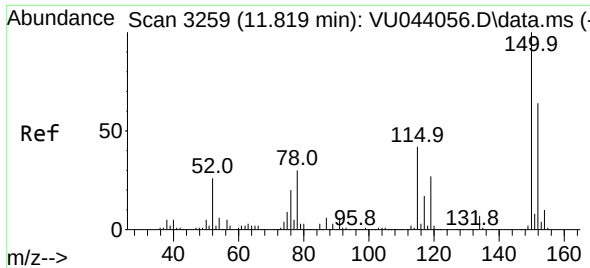
Tgt Ion: 95 Resp: 228307
Ion Ratio Lower Upper
95 100
174 71.7 0.0 141.0
176 68.1 0.0 135.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU044094.D
Acq: 08 Jun 2021 06:49

Tgt Ion: 117 Resp: 461190
Ion Ratio Lower Upper
117 100
82 61.4 50.0 75.0
119 31.6 25.9 38.9

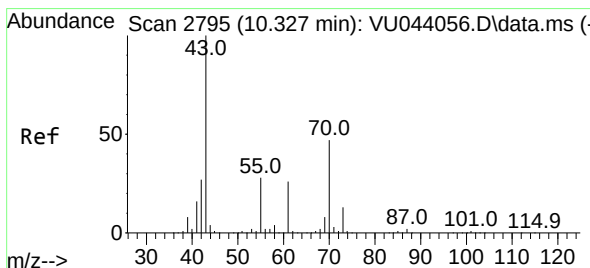
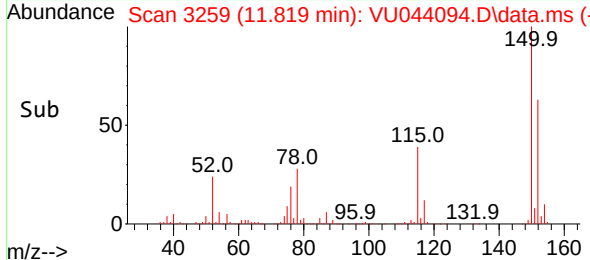
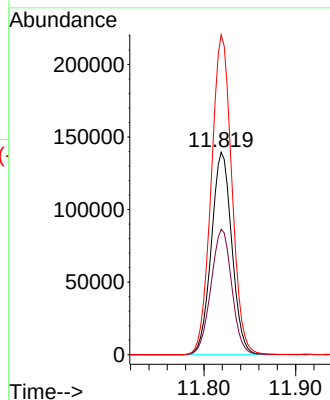
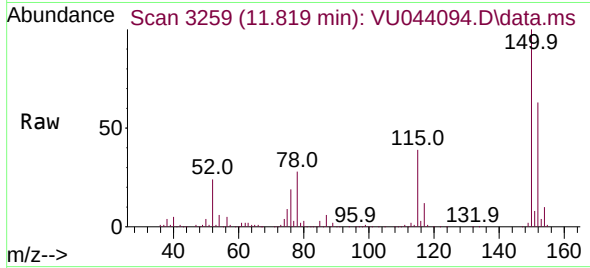




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU044094.D
Acq: 08 Jun 2021 06:49

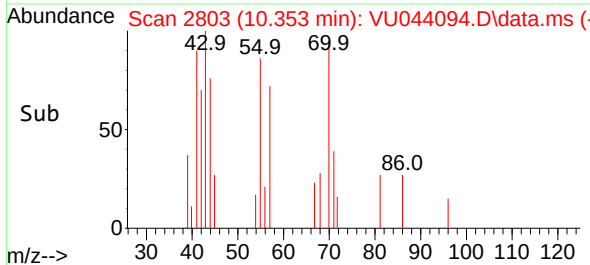
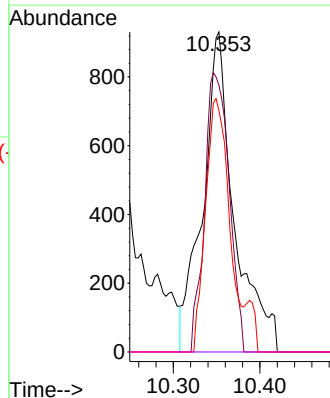
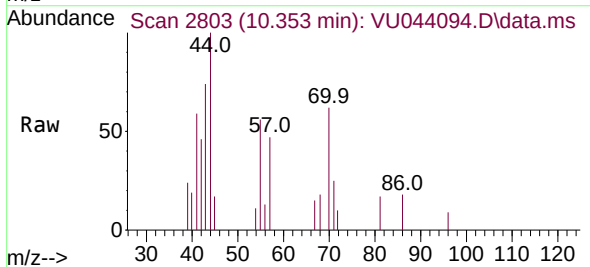
Instrument :
MSVOA_U
ClientSampleId :

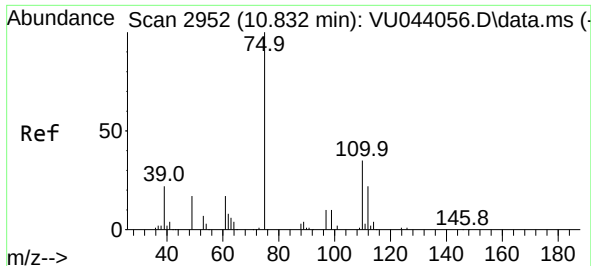
Tgt Ion:152 Resp: 217085
Ion Ratio Lower Upper
152 100
115 63.0 44.6 134.0
150 158.3 0.0 347.8



#74
N-ethyl acetate
Concen: 0.352 ug/l
RT: 10.353 min Scan# 2803
Delta R.T. 0.026 min
Lab File: VU044094.D
Acq: 08 Jun 2021 06:49

Tgt Ion: 43 Resp: 2353
Ion Ratio Lower Upper
43 100
70 67.9 37.3 55.9#
55 59.4 23.0 34.4#
61 0.0 20.6 30.8#

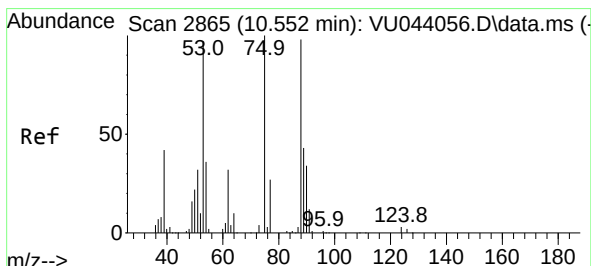
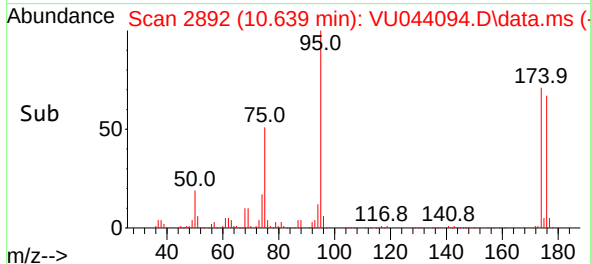
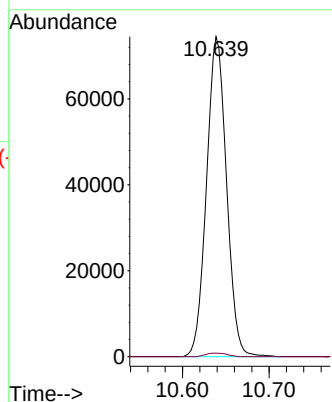
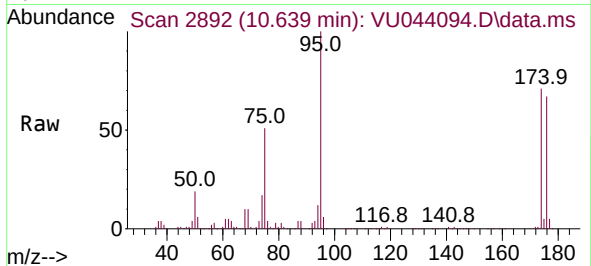




#76
1,2,3-Trichloropropane
Concen: 19.666 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU044094.D
Acq: 08 Jun 2021 06:49

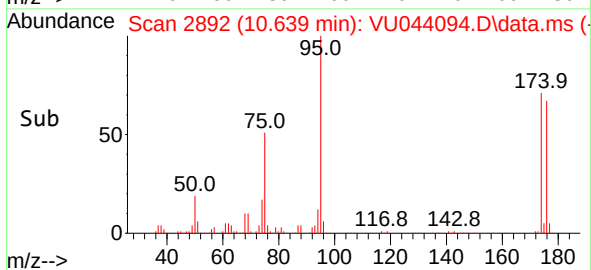
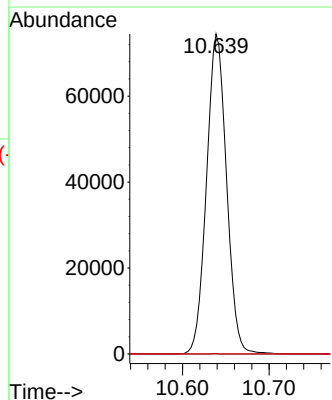
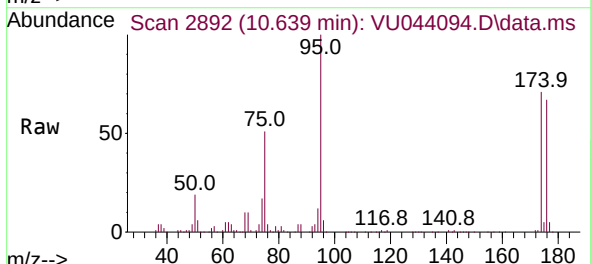
Instrument :
MSVOA_U
ClientSampled :

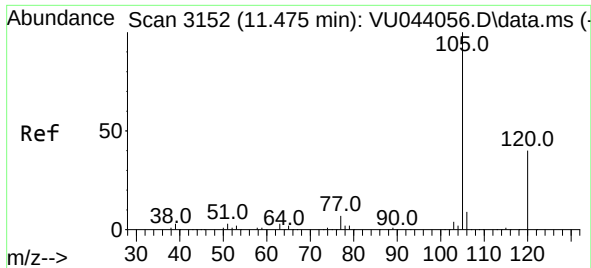
Tgt Ion: 75 Resp: 119429
Ion Ratio Lower Upper
75 100
77 1.2 16.9 50.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.425 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044094.D
Acq: 08 Jun 2021 06:49

Tgt Ion: 75 Resp: 119429
Ion Ratio Lower Upper
75 100
53 0.0 76.9 115.3#
89 0.0 33.8 50.8#

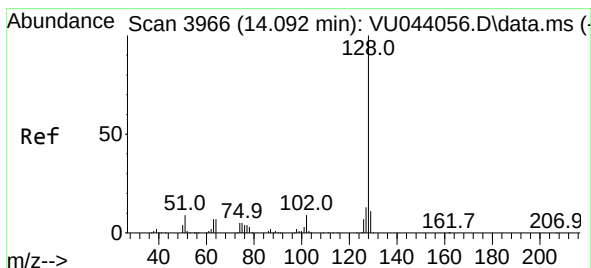
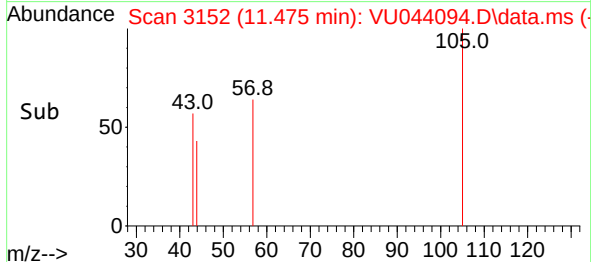
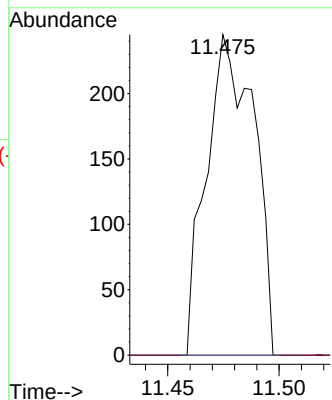
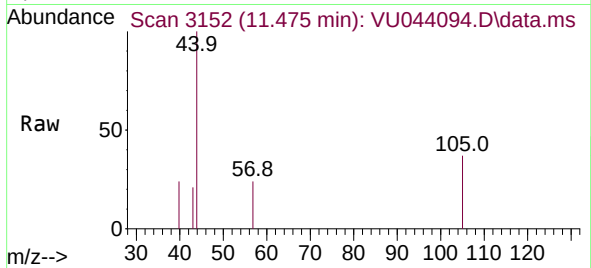




#84
1,2,4-Trimethylbenzene
Concen: 0.974 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VU044094.D
Acq: 08 Jun 2021 06:49

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:105 Resp: 366
Ion Ratio Lower Upper
105 100
120 0.0 21.9 65.7#



#95
Naphthalene
Concen: 2.905 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.000 min
Lab File: VU044094.D
Acq: 08 Jun 2021 06:49

Tgt Ion:128 Resp: 936
Ion Ratio Lower Upper
128 100
127 4.9 10.2 15.4#
129 0.0 8.7 13.1#

