

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060821\
 Data File : VU044100.D
 Acq On : 08 Jun 2021 09:10
 Operator : SY/MD
 Sample : M2613-23
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 08 23:10:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 08 17:38:51 2021
 Response via : Initial Calibration

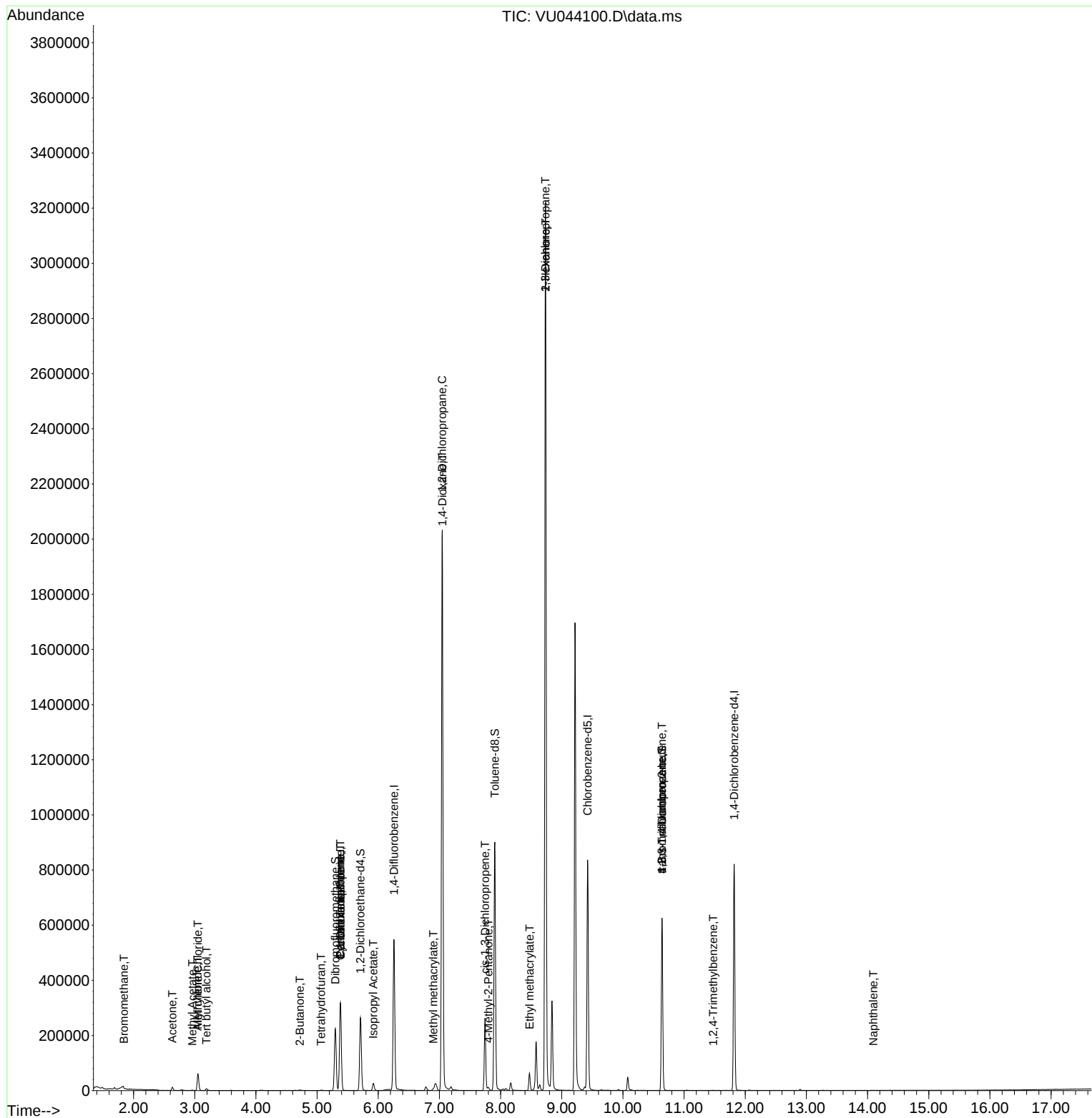
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.382	168	207050	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	420671	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	439455	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	201454	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	192024	53.252	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.500%	
35) Dibromofluoromethane	5.298	113	145730	48.544	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.080%	
50) Toluene-d8	7.906	98	579136	50.015	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.020%	
62) 4-Bromofluorobenzene	10.639	95	215940	47.103	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.200%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	878	Below Cal	#	86
5) Bromomethane	1.842	94	428	0.269	ug/l	84
11) Tert butyl alcohol	3.189	59	4699	5.256	ug/l #	72
14) Allyl chloride	3.047	41	1169	0.225	ug/l #	30
16) Acetone	2.632	43	13559	6.515	ug/l	98
18) Methyl Acetate	2.960	43	2085	0.454	ug/l #	78
20) Methylene Chloride	3.051	84	29347	7.975	ug/l	94
25) 2-Butanone	4.719	43	3588	1.208	ug/l	90
29) Tetrahydrofuran	5.066	42	1141	0.692	ug/l #	70
31) Cyclohexane	5.385	56	4924	0.989	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	19080	4.026	ug/l #	50
38) Carbon Tetrachloride	5.382	117	22841	5.334	ug/l #	18
43) Isopropyl Acetate	5.919	43	27766	3.289	ug/l	98
45) 1,2-Dichloropropane	7.044	63	2343	0.601	ug/l #	42
48) Methyl methacrylate	6.902	41	9489	2.279	ug/l #	14
49) 1,4-Dioxane	7.050	88	144	1.407	ug/l #	1
51) 4-Methyl-2-Pentanone	7.800	43	6366	1.015	ug/l	98
54) cis-1,3-Dichloropropene	7.745	75	45573	7.863	ug/l #	66
56) Ethyl methacrylate	8.475	69	339	3.436	ug/l #	1
57) 1,3-Dichloropropane	8.732	76	32008	5.015	ug/l #	43
59) 2-Hexanone	8.735	43	424959	87.221	ug/l #	49
76) 1,2,3-Trichloropropane	10.639	75	109492	19.429	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.639	75	109492	56.732	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.478	105	218	0.965	ug/l #	32
95) Naphthalene	14.095	128	646	2.890	ug/l #	69

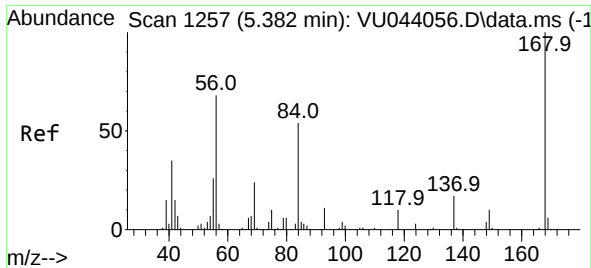
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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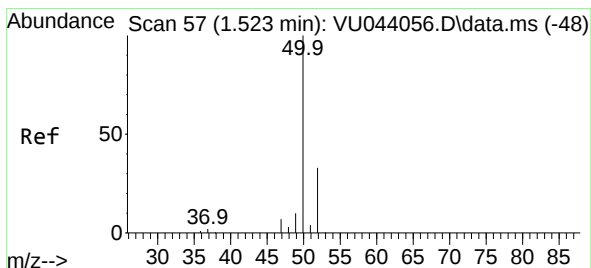
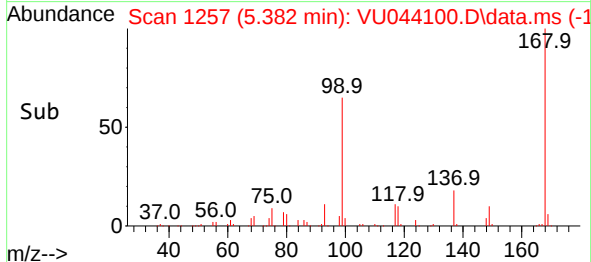
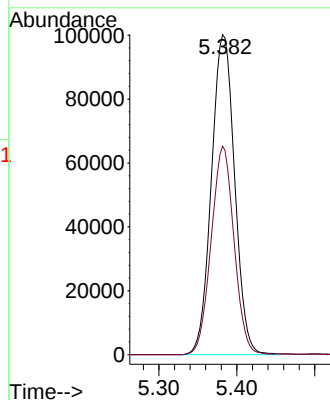
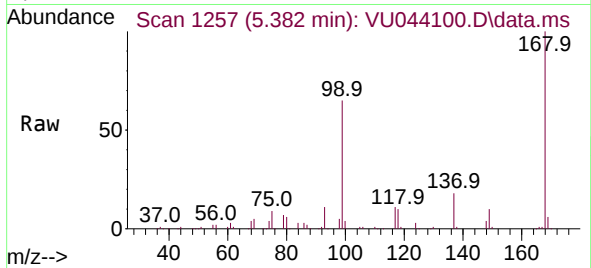




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044100.D
Acq: 08 Jun 2021 09:10

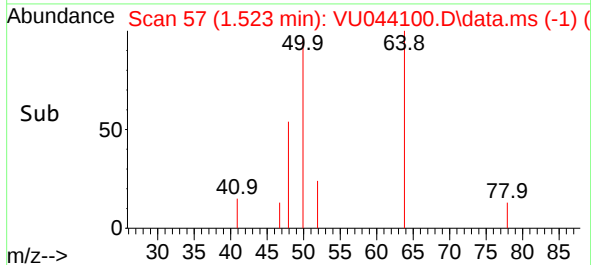
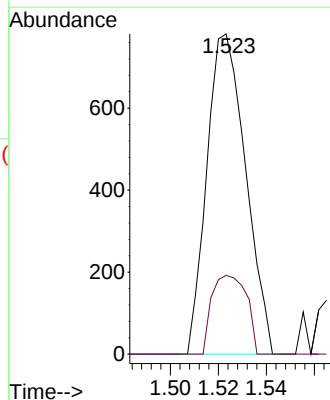
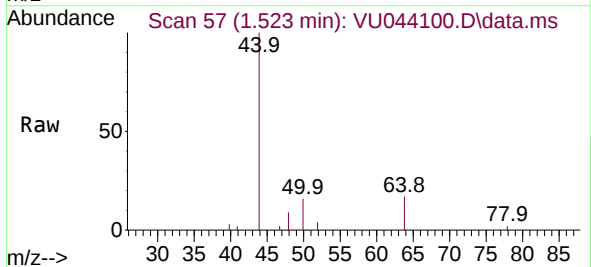
Instrument :
MSVOA_U
ClientSampled :

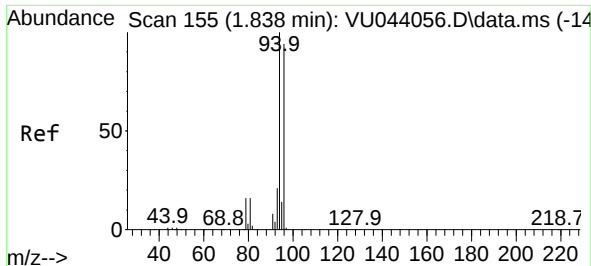
Tgt Ion:168 Resp: 207050
Ion Ratio Lower Upper
168 100
99 65.2 52.6 78.8



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU044100.D
Acq: 08 Jun 2021 09:10

Tgt Ion: 50 Resp: 878
Ion Ratio Lower Upper
50 100
52 24.6 26.2 39.2#

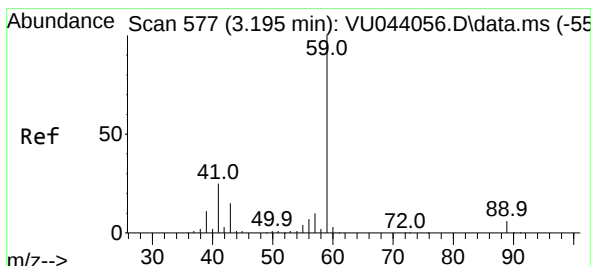
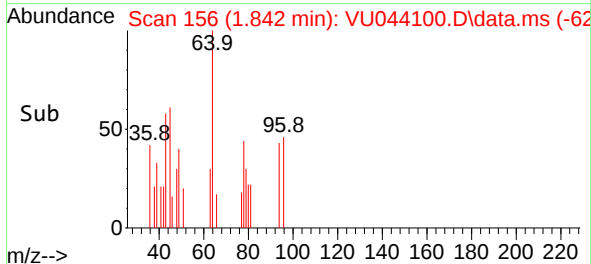
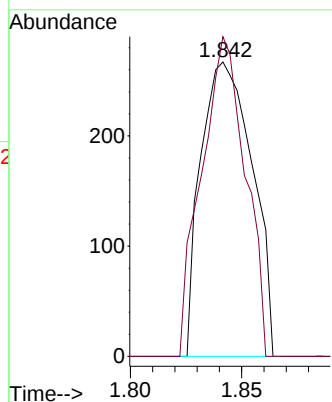
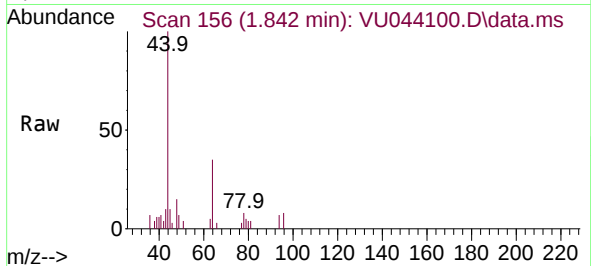




#5
Bromomethane
Concen: 0.269 ug/l
RT: 1.842 min Scan# 156
Delta R.T. 0.004 min
Lab File: VU044100.D
Acq: 08 Jun 2021 09:10

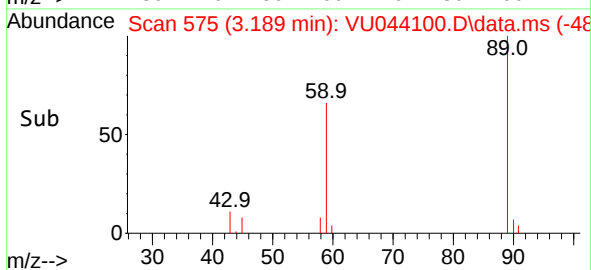
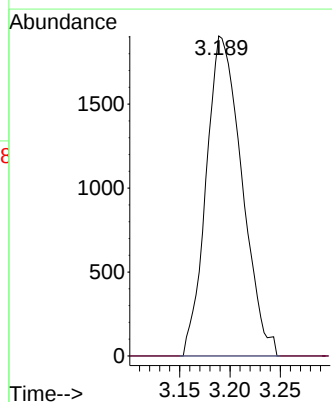
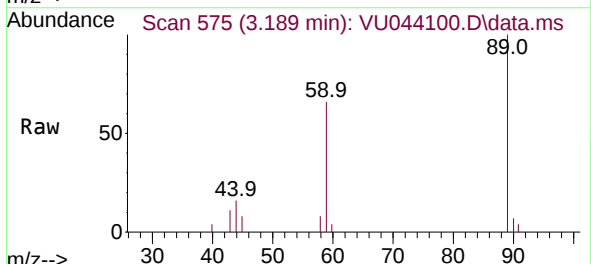
Instrument :
MSVOA_U
ClientSampleId :

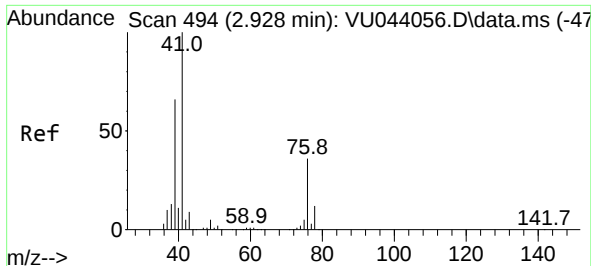
Tgt Ion: 94 Resp: 428
Ion Ratio Lower Upper
94 100
96 108.6 74.8 112.2



#11
Tert butyl alcohol
Concen: 5.256 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.006 min
Lab File: VU044100.D
Acq: 08 Jun 2021 09:10

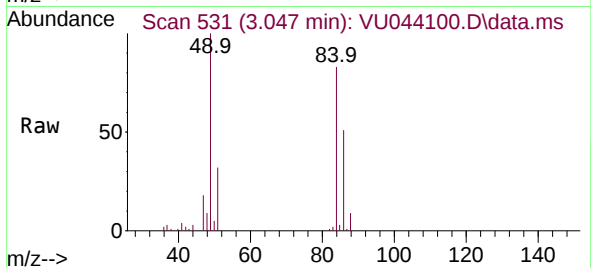
Tgt Ion: 59 Resp: 4699
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



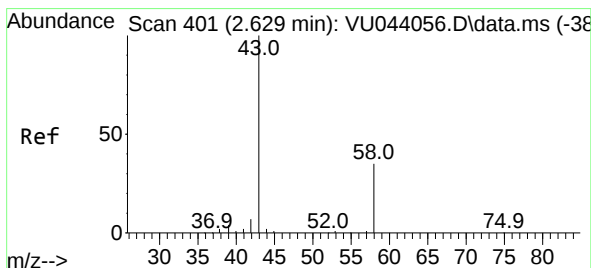
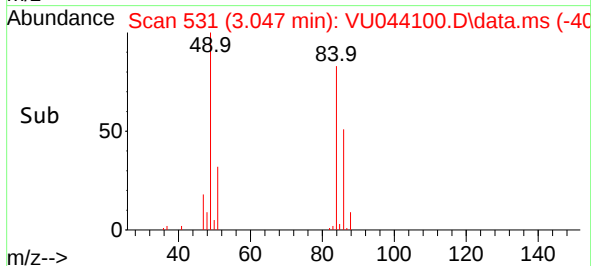
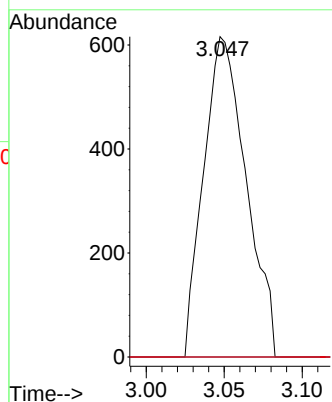


#14
 Allyl chloride
 Concen: 0.225 ug/l
 RT: 3.047 min Scan# 531
 Delta R.T. 0.119 min
 Lab File: VU044100.D
 Acq: 08 Jun 2021 09:10

Instrument :
 MSVOA_U
 ClientSampled :

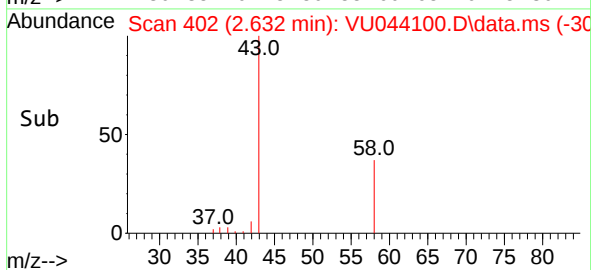
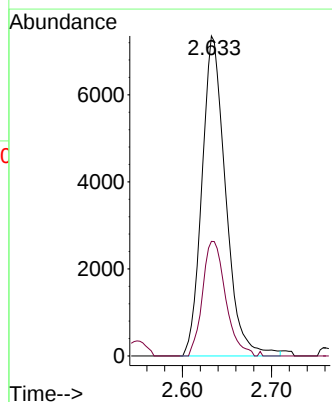
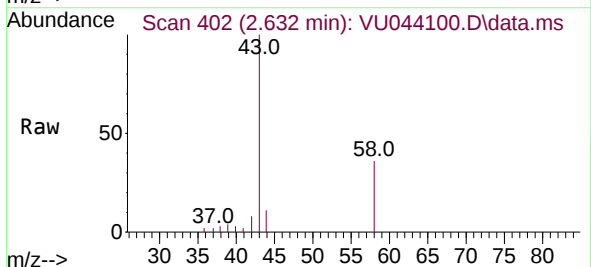


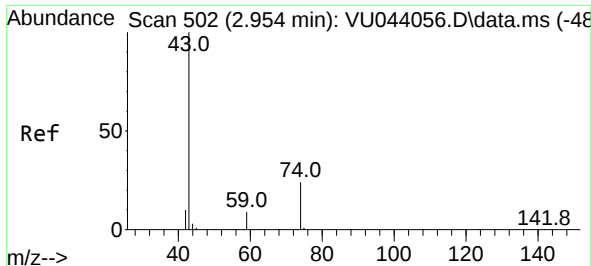
Tgt Ion: 41	Resp: 1169
Ion Ratio	Lower Upper
41 100	
39 0.0	45.7 68.5#
76 0.0	25.0 37.6#



#16
 Acetone
 Concen: 6.515 ug/l
 RT: 2.632 min Scan# 402
 Delta R.T. 0.003 min
 Lab File: VU044100.D
 Acq: 08 Jun 2021 09:10

Tgt Ion: 43	Resp: 13559
Ion Ratio	Lower Upper
43 100	
58 35.8	27.7 41.5

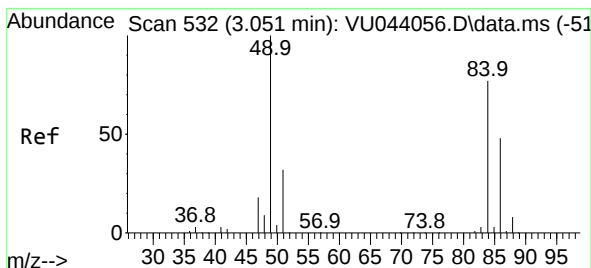
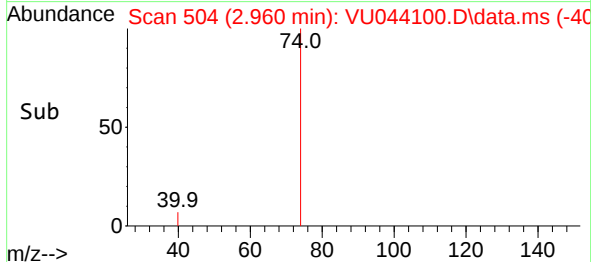
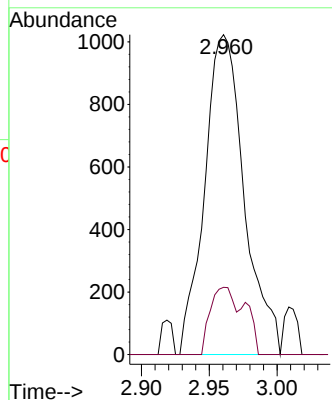
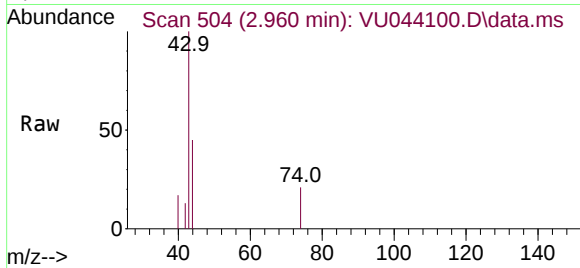




#18
Methyl Acetate
Concen: 0.454 ug/l
RT: 2.960 min Scan# 504
Delta R.T. 0.006 min
Lab File: VU044100.D
Acq: 08 Jun 2021 09:10

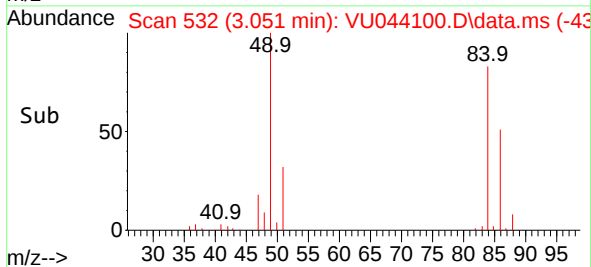
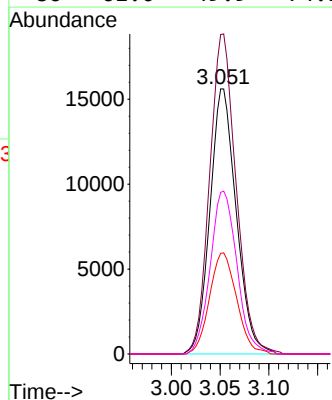
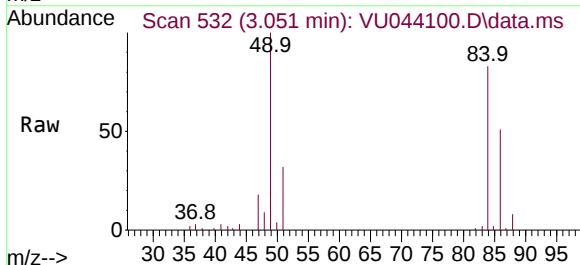
Instrument :
MSVOA_U
ClientSampled :

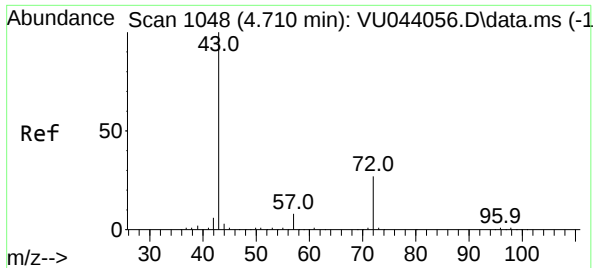
Tgt Ion: 43 Resp: 2085
Ion Ratio Lower Upper
43 100
74 12.8 18.7 28.1#



#20
Methylene Chloride
Concen: 7.975 ug/l
RT: 3.051 min Scan# 532
Delta R.T. -0.001 min
Lab File: VU044100.D
Acq: 08 Jun 2021 09:10

Tgt Ion: 84 Resp: 29347
Ion Ratio Lower Upper
84 100
49 120.5 103.6 155.4
51 38.0 32.8 49.2
86 61.0 49.9 74.9





#25

2-Butanone

Concen: 1.208 ug/l

RT: 4.719 min Scan# 1051

Delta R.T. 0.009 min

Lab File: VU044100.D

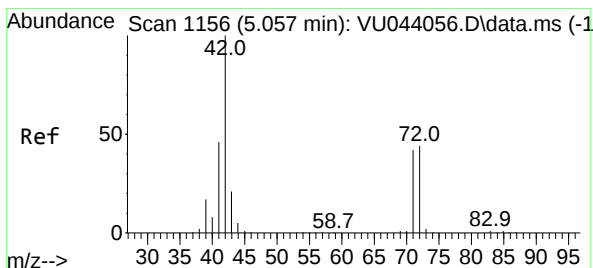
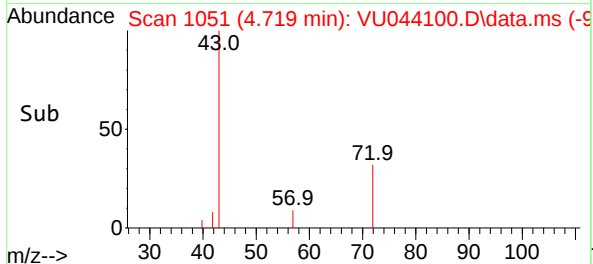
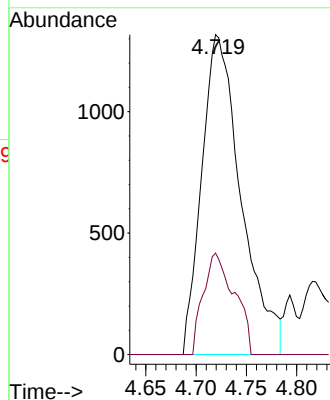
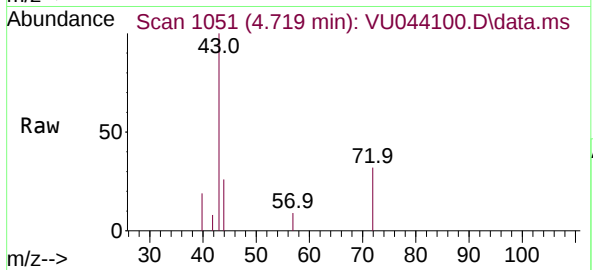
Acq: 08 Jun 2021 09:10

Tgt Ion: 43 Resp: 3588

Ion Ratio Lower Upper

43 100

72 31.7 21.4 32.2



#29

Tetrahydrofuran

Concen: 0.692 ug/l

RT: 5.066 min Scan# 1159

Delta R.T. 0.009 min

Lab File: VU044100.D

Acq: 08 Jun 2021 09:10

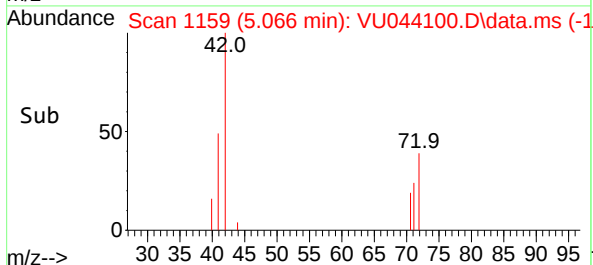
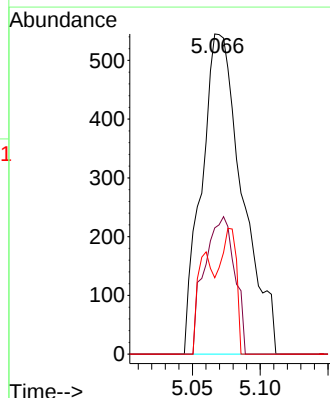
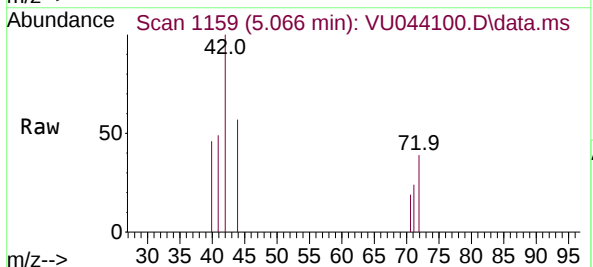
Tgt Ion: 42 Resp: 1141

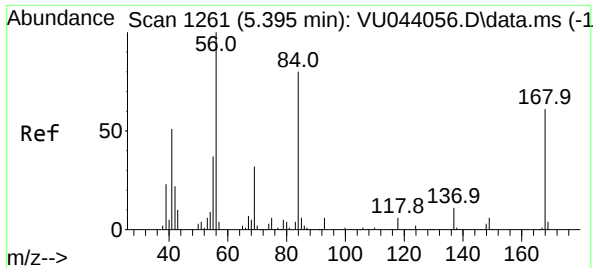
Ion Ratio Lower Upper

42 100

72 31.6 35.6 53.4#

71 15.3 33.3 49.9#

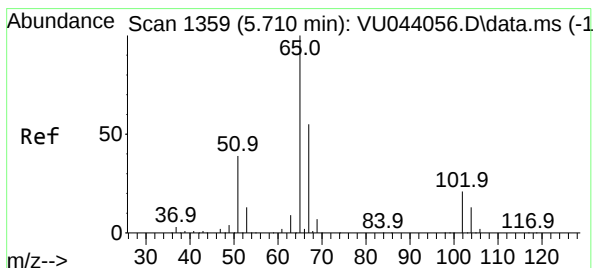
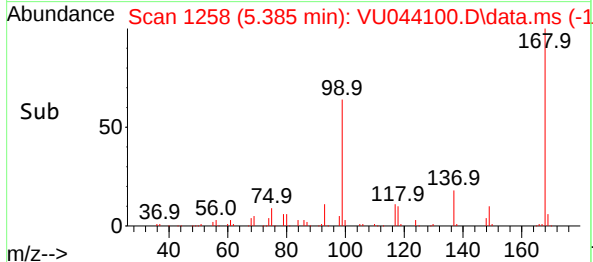
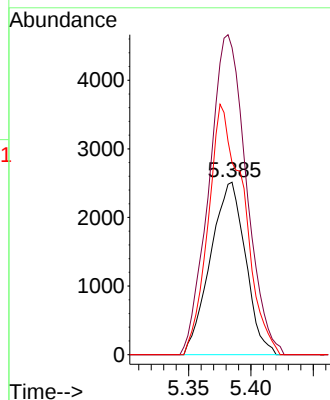
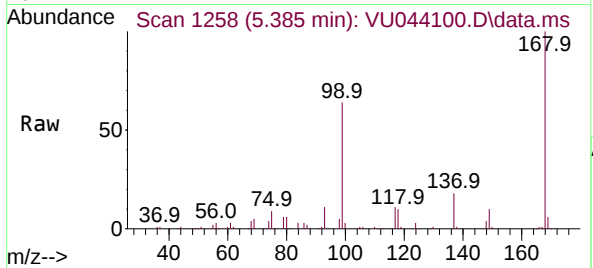




#31
Cyclohexane
Concen: 0.989 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.010 min
Lab File: VU044100.D
Acq: 08 Jun 2021 09:10

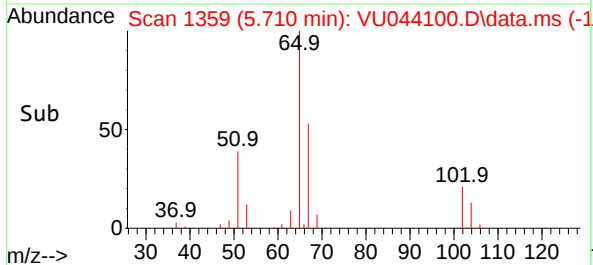
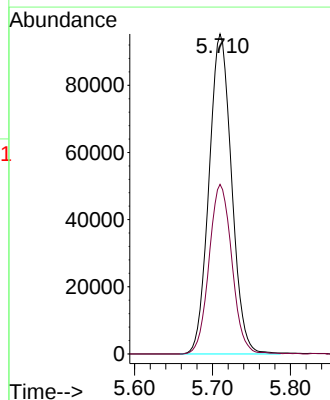
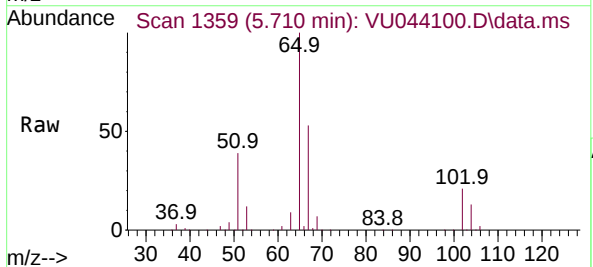
Instrument :
MSVOA_U
ClientSampled :

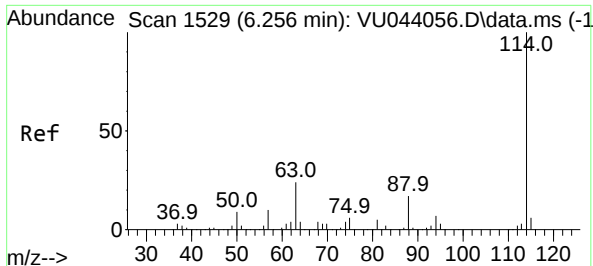
Tgt Ion: 56 Resp: 4924
Ion Ratio Lower Upper
56 100
69 178.1 25.4 38.2#
84 111.5 64.2 96.2#



#33
1,2-Dichloroethane-d4
Concen: 53.252 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044100.D
Acq: 08 Jun 2021 09:10

Tgt Ion: 65 Resp: 192024
Ion Ratio Lower Upper
65 100
67 53.5 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: VU044100.D

Acq: 08 Jun 2021 09:10

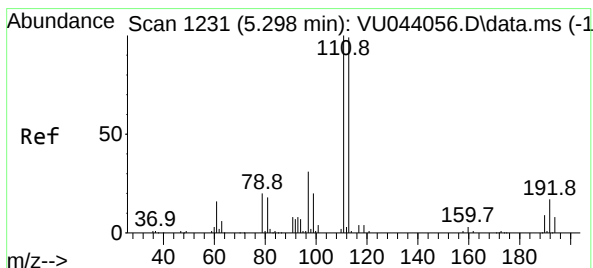
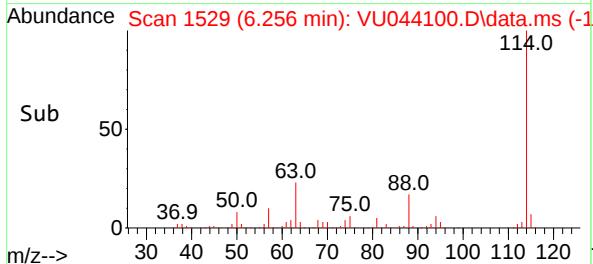
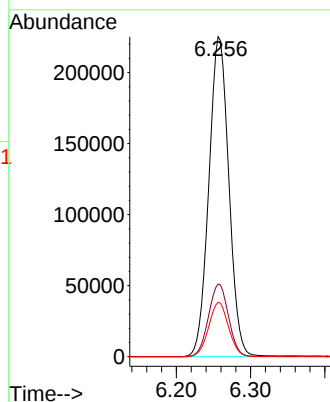
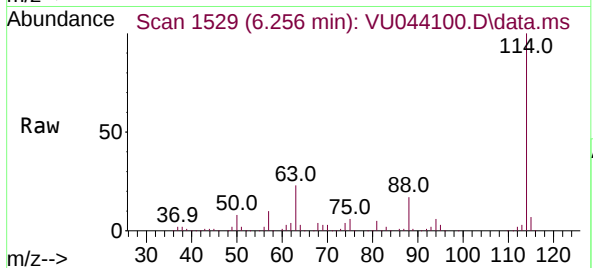
Tgt Ion:114 Resp: 420671

Ion Ratio Lower Upper

114 100

63 22.7 0.0 48.4

88 17.0 0.0 34.4



#35

Dibromofluoromethane

Concen: 48.544 ug/l

RT: 5.298 min Scan# 1231

Delta R.T. -0.000 min

Lab File: VU044100.D

Acq: 08 Jun 2021 09:10

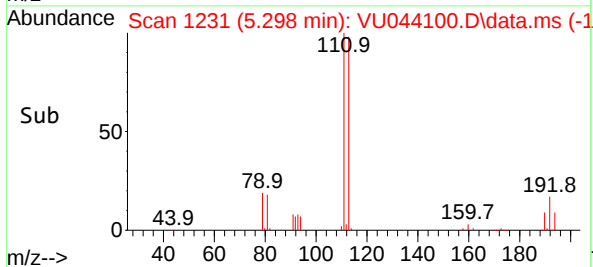
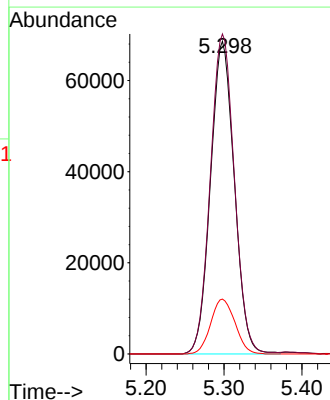
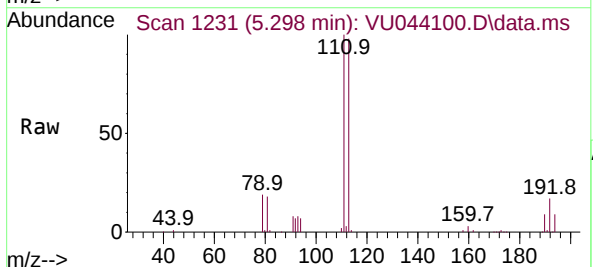
Tgt Ion:113 Resp: 145730

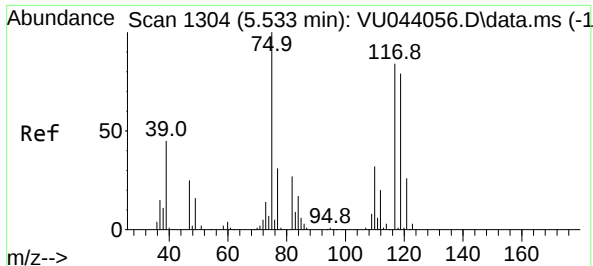
Ion Ratio Lower Upper

113 100

111 103.4 82.1 123.1

192 17.9 13.8 20.8



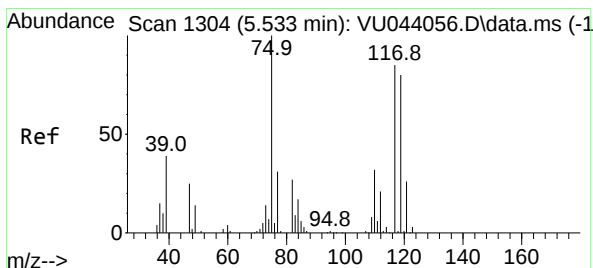
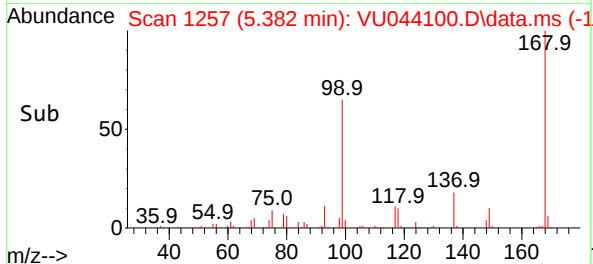
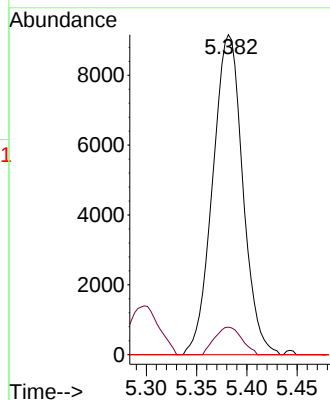
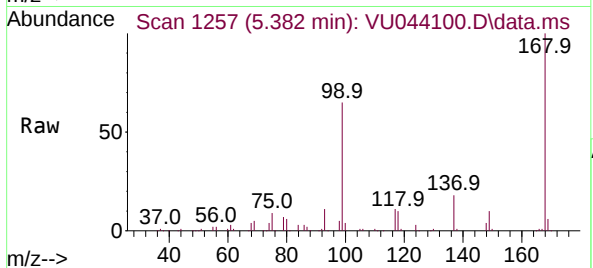


#36

1,1-Dichloropropene
Concen: 4.026 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044100.D
Acq: 08 Jun 2021 09:10

Instrument :
MSVOA_U
ClientSampled :

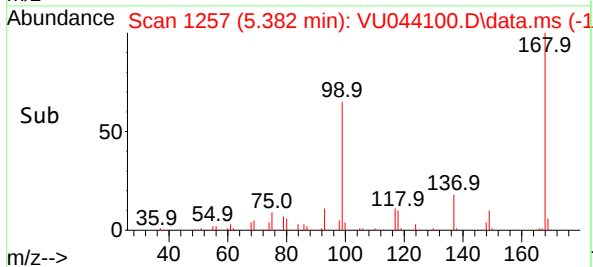
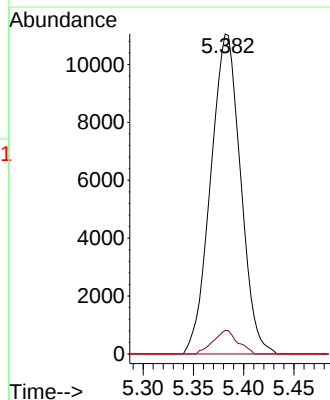
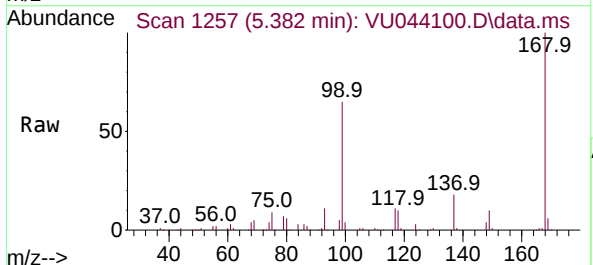
Tgt Ion:	75	Resp:	19080
Ion	Ratio	Lower	Upper
75	100		
110	7.7	15.9	47.7#
77	0.0	25.0	37.4#

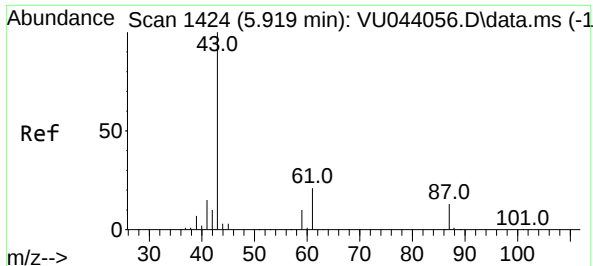


#38

Carbon Tetrachloride
Concen: 5.334 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044100.D
Acq: 08 Jun 2021 09:10

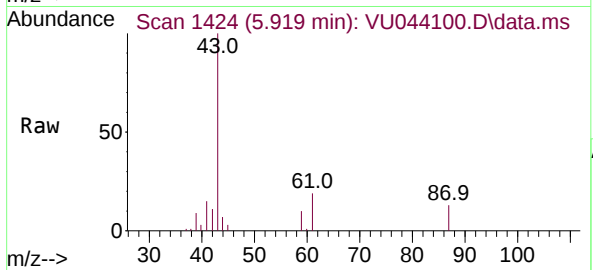
Tgt Ion:	117	Resp:	22841
Ion	Ratio	Lower	Upper
117	100		
119	7.3	75.4	113.2#
121	0.0	24.5	36.7#



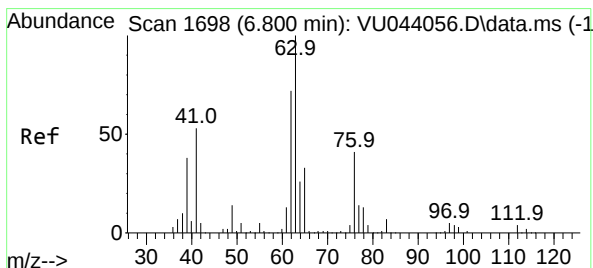
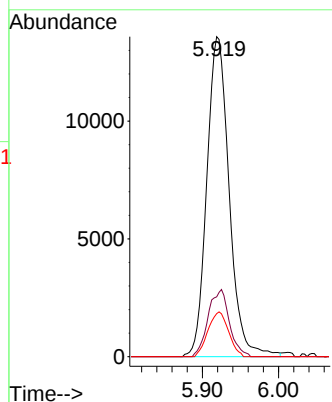
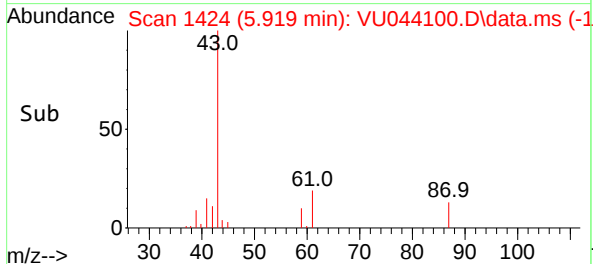


#43
Isopropyl Acetate
Concen: 3.289 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. -0.000 min
Lab File: VU044100.D
Acq: 08 Jun 2021 09:10

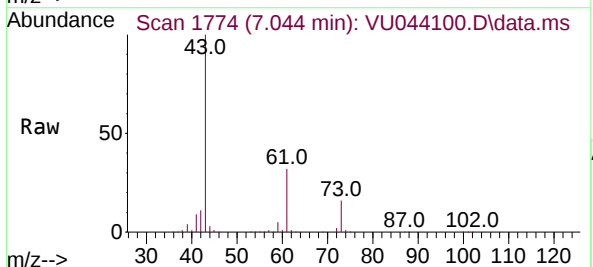
Instrument :
MSVOA_U
ClientSampled :



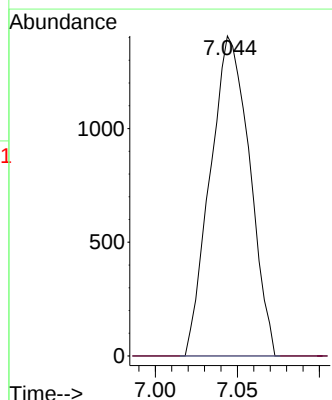
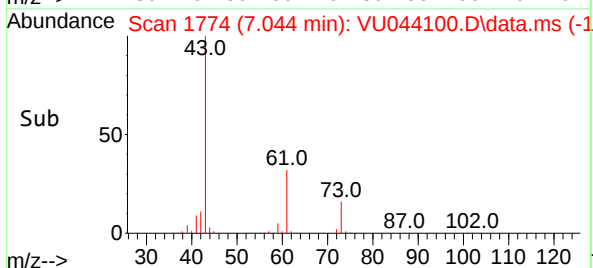
Tgt Ion:	43	Resp:	27766
Ion Ratio	Lower	Upper	
43	100		
61	19.9	16.8	25.2
87	12.8	10.2	15.2

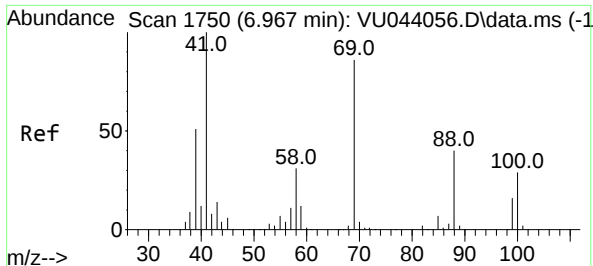


#45
1,2-Dichloropropane
Concen: 0.601 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.244 min
Lab File: VU044100.D
Acq: 08 Jun 2021 09:10



Tgt Ion:	63	Resp:	2343
Ion Ratio	Lower	Upper	
63	100		
65	0.0	26.3	39.5#

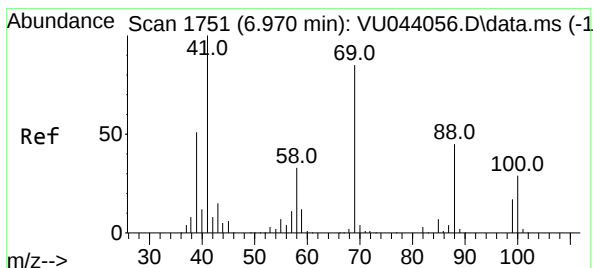
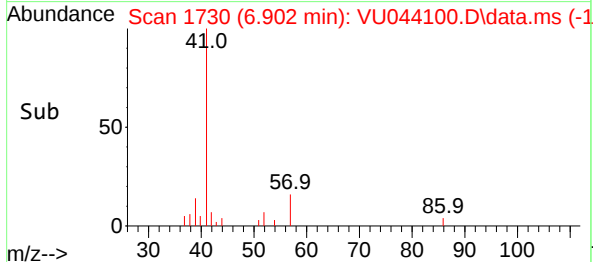
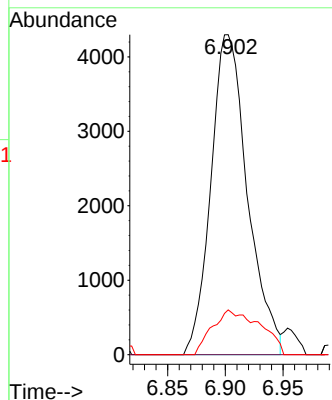
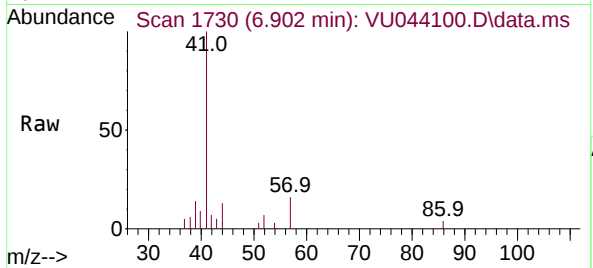




#48
Methyl methacrylate
Concen: 2.279 ug/l
RT: 6.902 min Scan# 1730
Delta R.T. -0.065 min
Lab File: VU044100.D
Acq: 08 Jun 2021 09:10

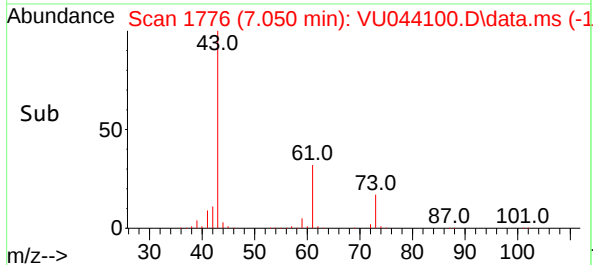
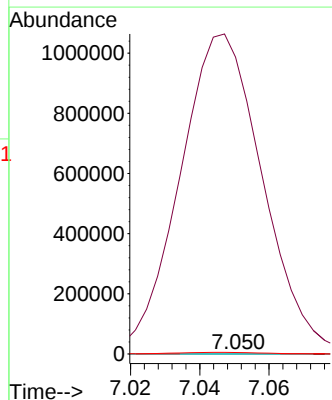
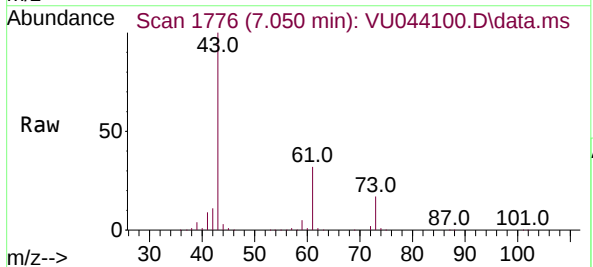
Instrument :
MSVOA_U
ClientSampleId :

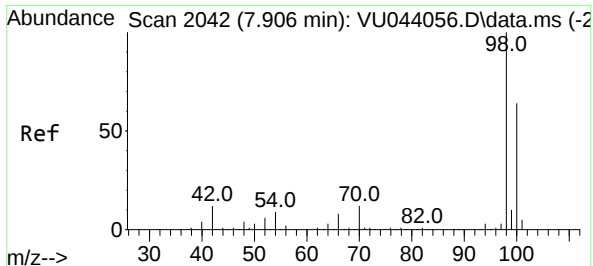
Tgt Ion: 41 Resp: 9489
Ion Ratio Lower Upper
41 100
69 0.0 68.9 103.3#
39 0.0 40.6 60.8#



#49
1,4-Dioxane
Concen: 1.407 ug/l
RT: 7.050 min Scan# 1776
Delta R.T. 0.080 min
Lab File: VU044100.D
Acq: 08 Jun 2021 09:10

Tgt Ion: 88 Resp: 144
Ion Ratio Lower Upper
88 100
43 1250341.7 25.0 37.4#
58 6783.3 60.0 90.0#

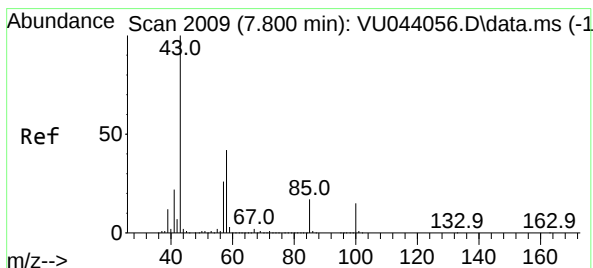
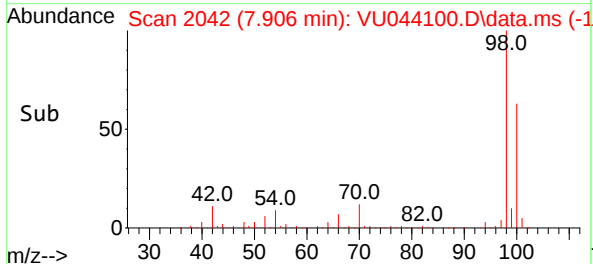
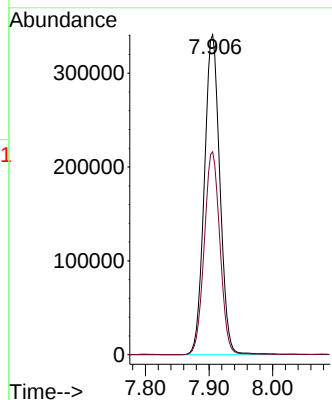
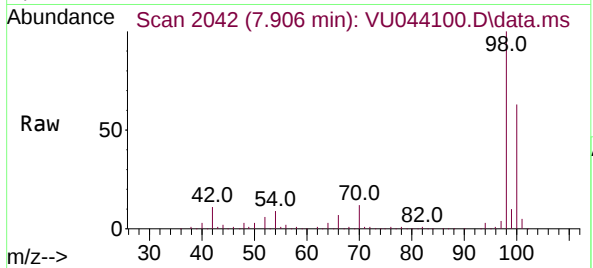




#50
Toluene-d8
Concen: 50.015 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU044100.D
Acq: 08 Jun 2021 09:10

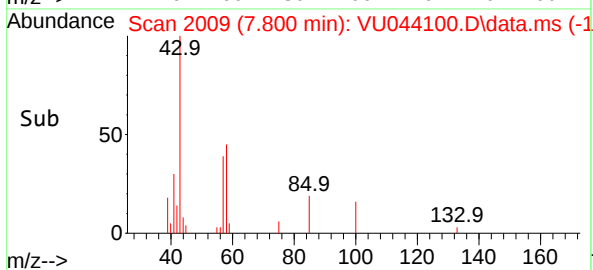
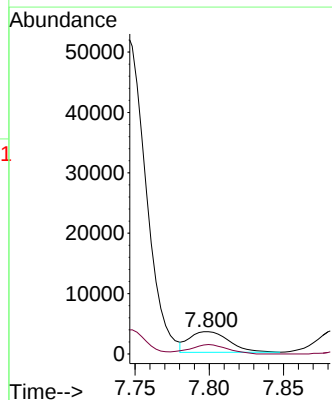
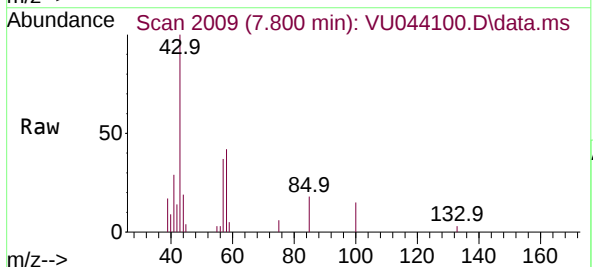
Instrument :
MSVOA_U
ClientSampled :

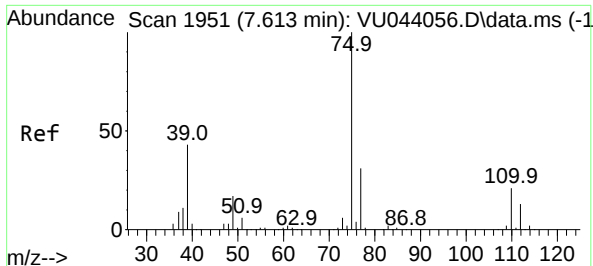
Tgt Ion: 98 Resp: 579136
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.015 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VU044100.D
Acq: 08 Jun 2021 09:10

Tgt Ion: 43 Resp: 6366
Ion Ratio Lower Upper
43 100
58 43.0 33.3 49.9

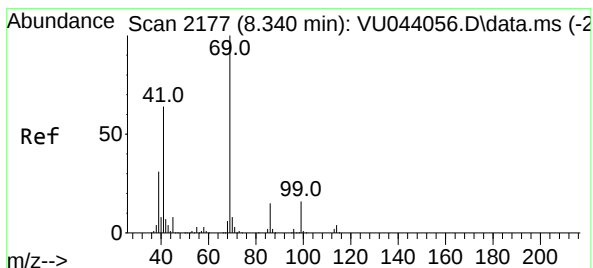
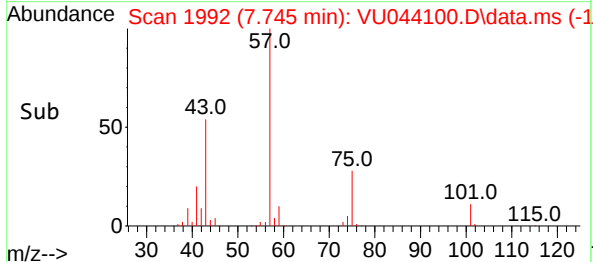
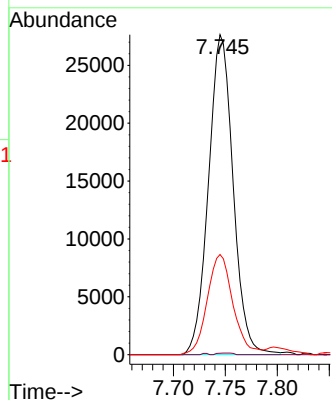
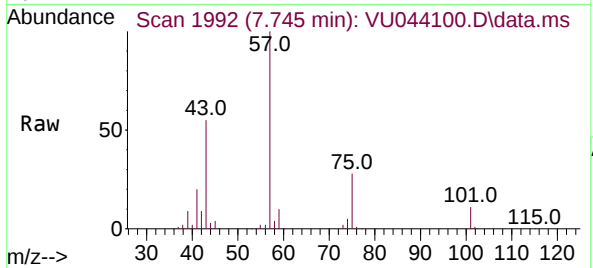




#54
 cis-1,3-Dichloropropene
 Concen: 7.863 ug/l
 RT: 7.745 min Scan# 1992
 Delta R.T. 0.132 min
 Lab File: VU044100.D
 Acq: 08 Jun 2021 09:10

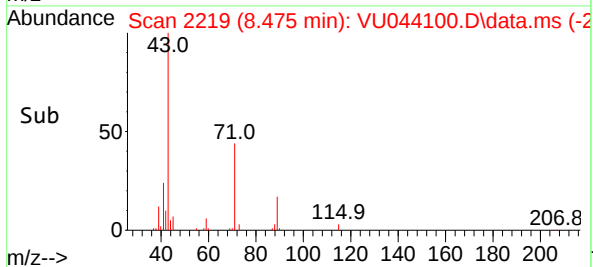
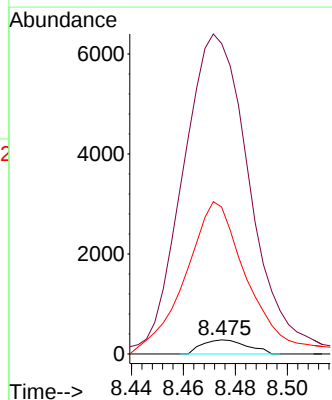
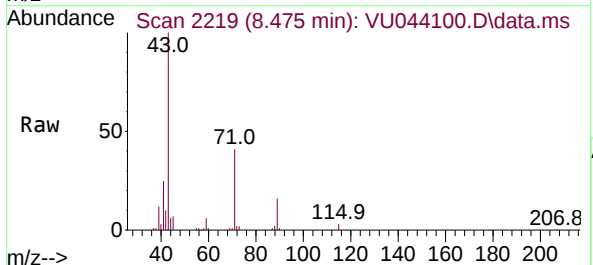
Instrument :
 MSVOA_U
 ClientSampled :

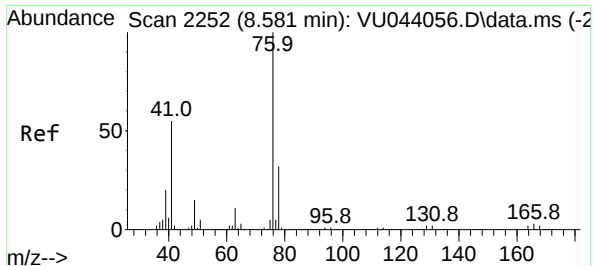
Tgt Ion: 75 Resp: 45573
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.0 37.4#
 39 31.3 34.7 52.1#



#56
 Ethyl methacrylate
 Concen: 3.436 ug/l
 RT: 8.475 min Scan# 2219
 Delta R.T. 0.135 min
 Lab File: VU044100.D
 Acq: 08 Jun 2021 09:10

Tgt Ion: 69 Resp: 339
 Ion Ratio Lower Upper
 69 100
 41 3396.5 51.4 77.0#
 39 1504.7 24.9 37.3#





#57

1,3-Dichloropropane

Concen: 5.015 ug/l

RT: 8.732 min Scan# 2299

Delta R.T. 0.151 min

Lab File: VU044100.D

Acq: 08 Jun 2021 09:10

Tgt Ion: 76 Resp: 32008

Ion Ratio Lower Upper

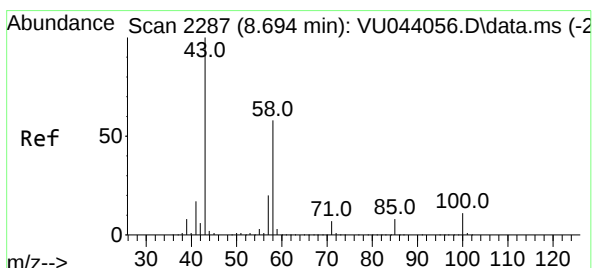
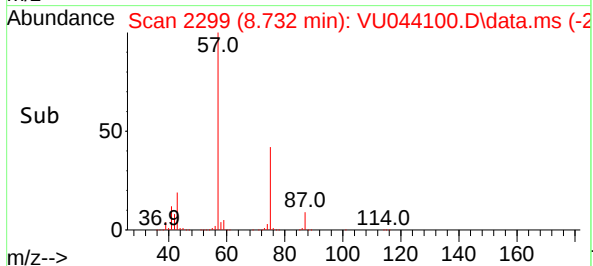
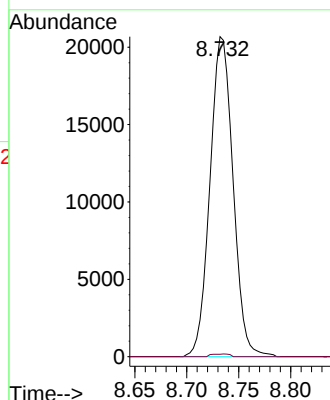
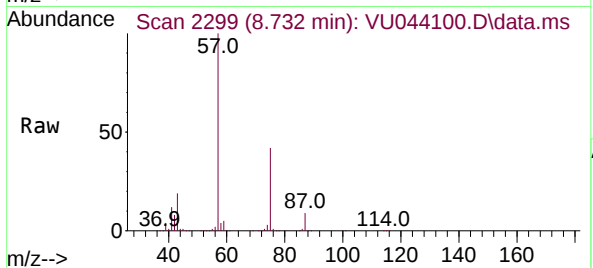
76 100

78 0.6 25.9 38.9#

Instrument :

MSVOA_U

ClientSampled :



#59

2-Hexanone

Concen: 87.221 ug/l

RT: 8.735 min Scan# 2300

Delta R.T. 0.041 min

Lab File: VU044100.D

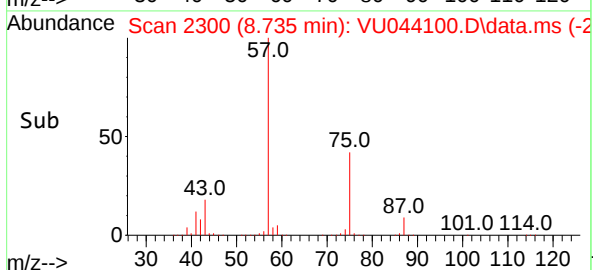
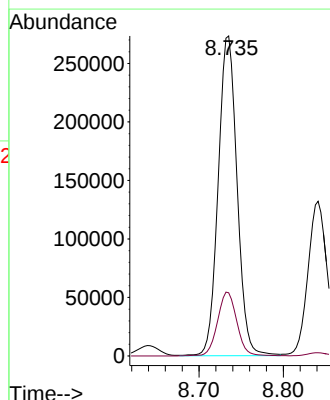
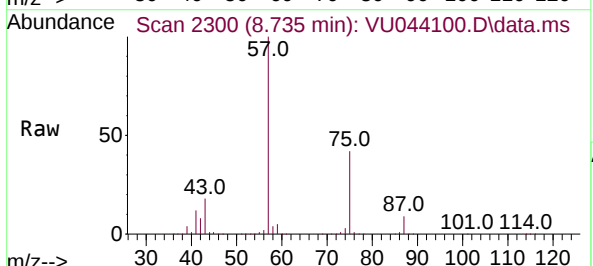
Acq: 08 Jun 2021 09:10

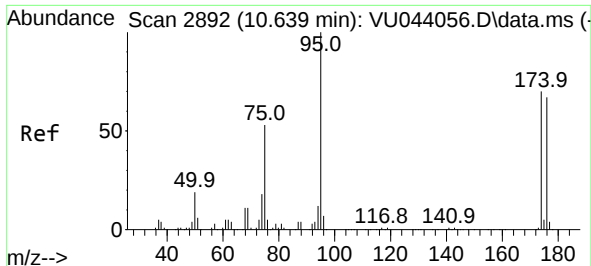
Tgt Ion: 43 Resp: 424959

Ion Ratio Lower Upper

43 100

58 20.5 29.0 87.1#

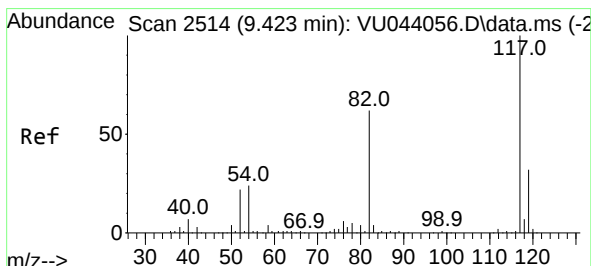
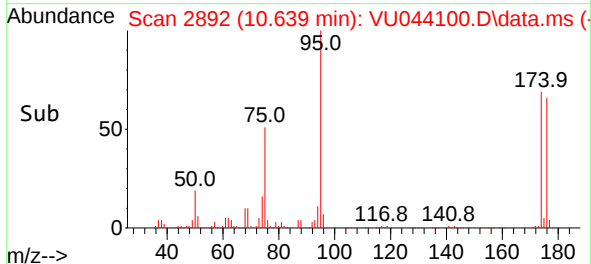
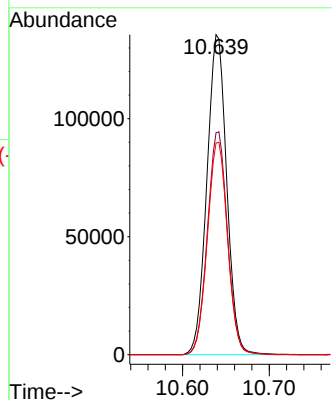
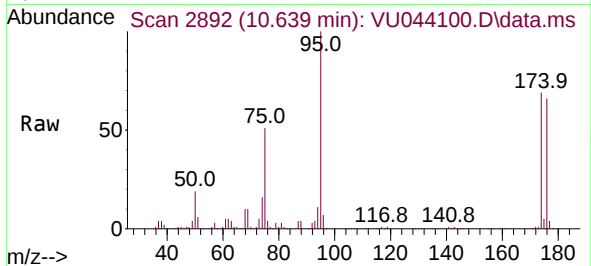




#62
4-Bromofluorobenzene
Concen: 47.103 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044100.D
Acq: 08 Jun 2021 09:10

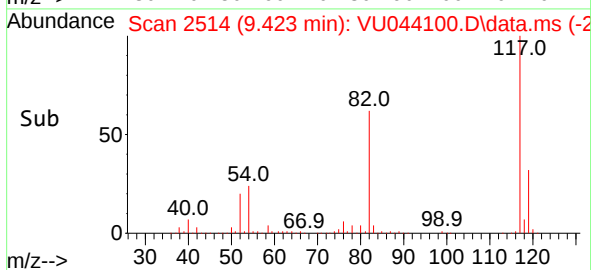
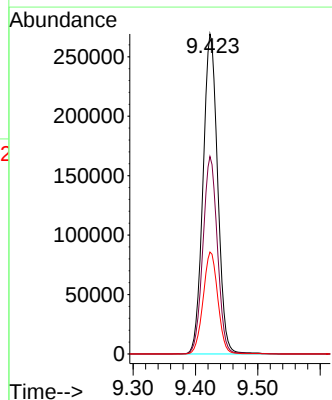
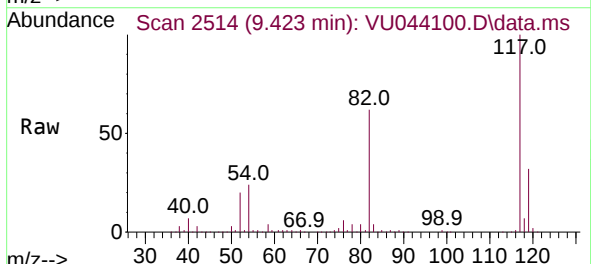
Instrument :
MSVOA_U
ClientSampleId :

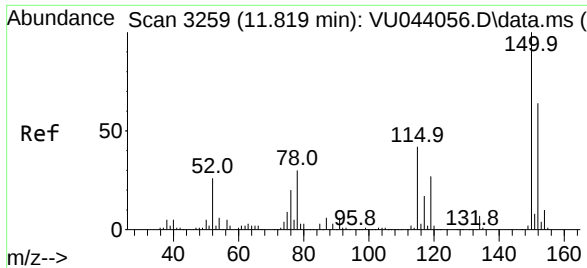
Tgt Ion: 95 Resp: 215940
Ion Ratio Lower Upper
95 100
174 70.6 0.0 141.0
176 67.5 0.0 135.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU044100.D
Acq: 08 Jun 2021 09:10

Tgt Ion: 117 Resp: 439455
Ion Ratio Lower Upper
117 100
82 61.7 50.0 75.0
119 31.9 25.9 38.9

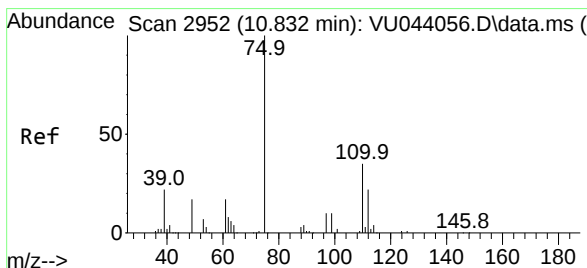
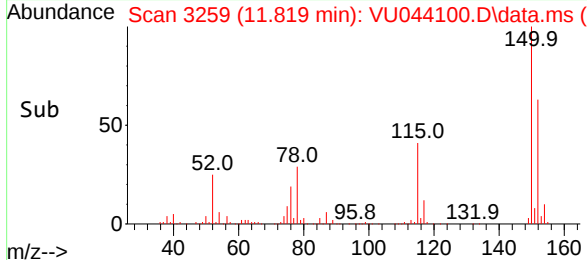
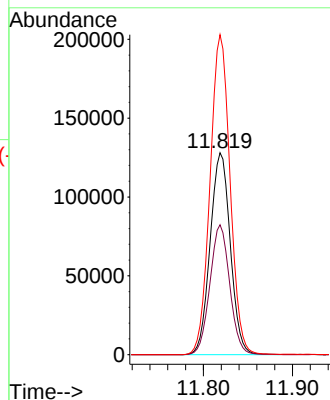
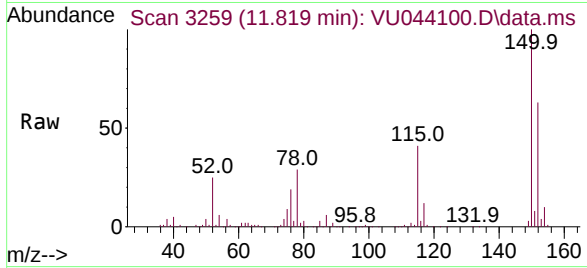




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU044100.D
 Acq: 08 Jun 2021 09:10

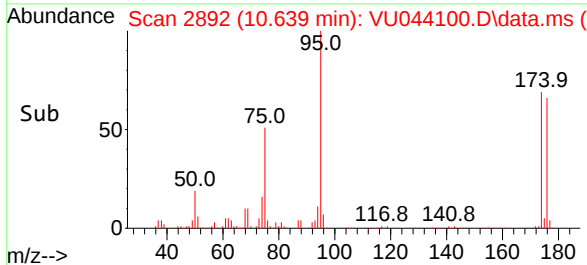
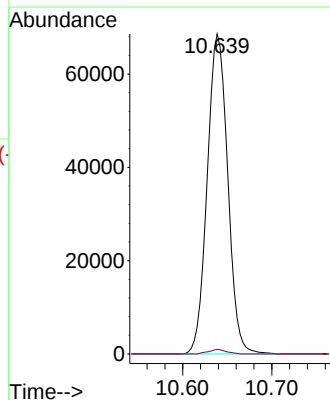
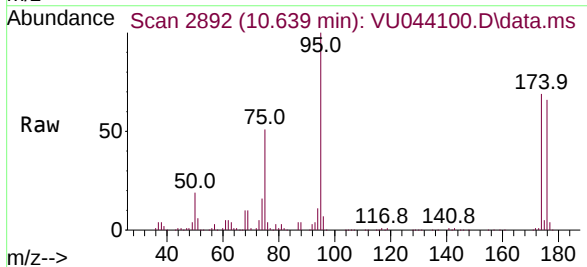
Instrument :
 MSVOA_U
 ClientSampled :

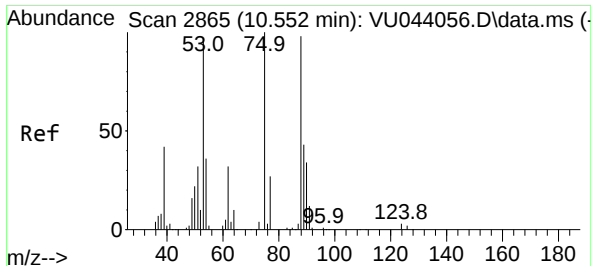
Tgt Ion:152 Resp: 201454
 Ion Ratio Lower Upper
 152 100
 115 63.1 44.6 134.0
 150 157.0 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 19.429 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.193 min
 Lab File: VU044100.D
 Acq: 08 Jun 2021 09:10

Tgt Ion: 75 Resp: 109492
 Ion Ratio Lower Upper
 75 100
 77 1.2 16.9 50.6#

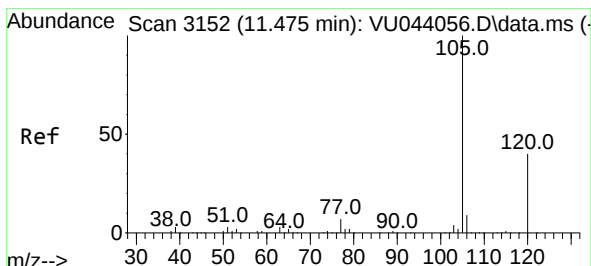
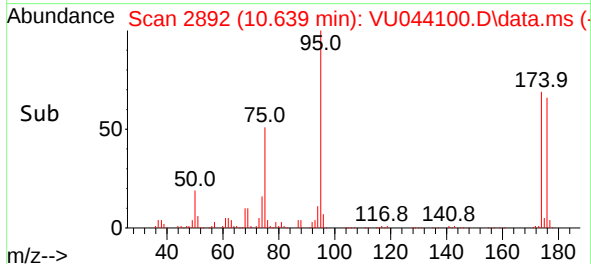
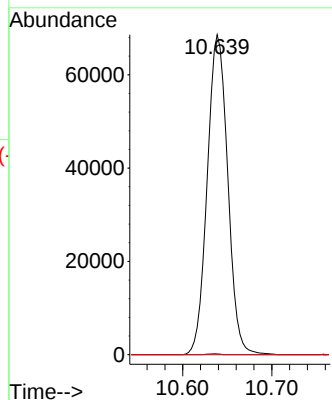
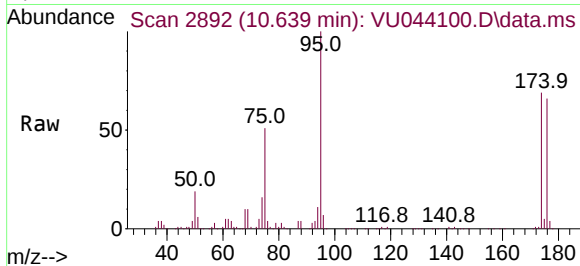




#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.732 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. 0.087 min
 Lab File: VU044100.D
 Acq: 08 Jun 2021 09:10

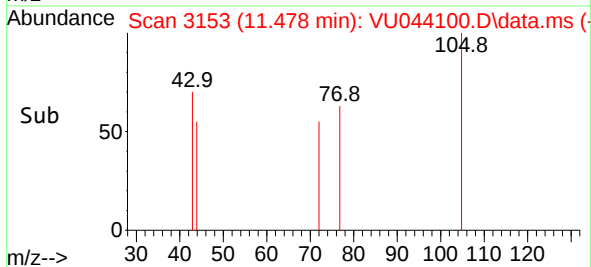
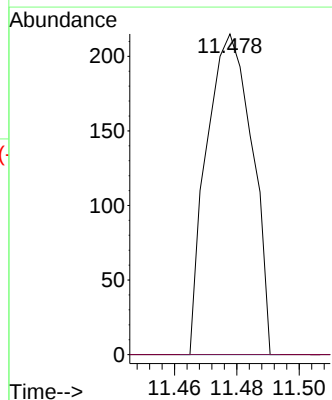
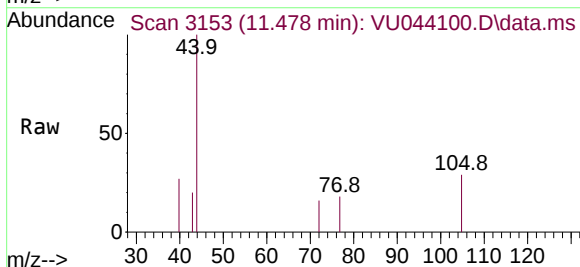
Instrument :
 MSVOA_U
 ClientSampled :

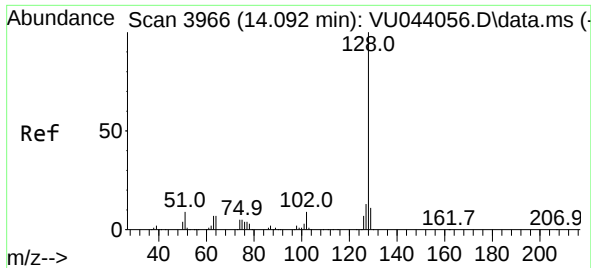
Tgt Ion: 75 Resp: 109492
 Ion Ratio Lower Upper
 75 100
 53 0.2 76.9 115.3#
 89 0.0 33.8 50.8#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.965 ug/l
 RT: 11.478 min Scan# 3153
 Delta R.T. 0.003 min
 Lab File: VU044100.D
 Acq: 08 Jun 2021 09:10

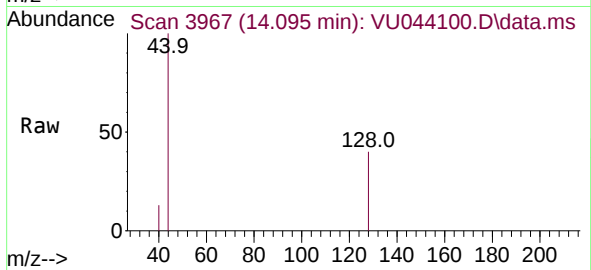
Tgt Ion: 105 Resp: 218
 Ion Ratio Lower Upper
 105 100
 120 0.0 21.9 65.7#





#95
Naphthalene
Concen: 2.890 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU044100.D
Acq: 08 Jun 2021 09:10

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	128	Resp:	646
Ion Ratio	Lower	Upper	
128	100		
127	0.0	10.2	15.4#
129	0.0	8.7	13.1#

