

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061021\
 Data File : VU044156.D
 Acq On : 10 Jun 2021 15:23
 Operator : SY/MD
 Sample : M2637-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 11 01:20:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 10 05:11:37 2021
 Response via : Initial Calibration

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

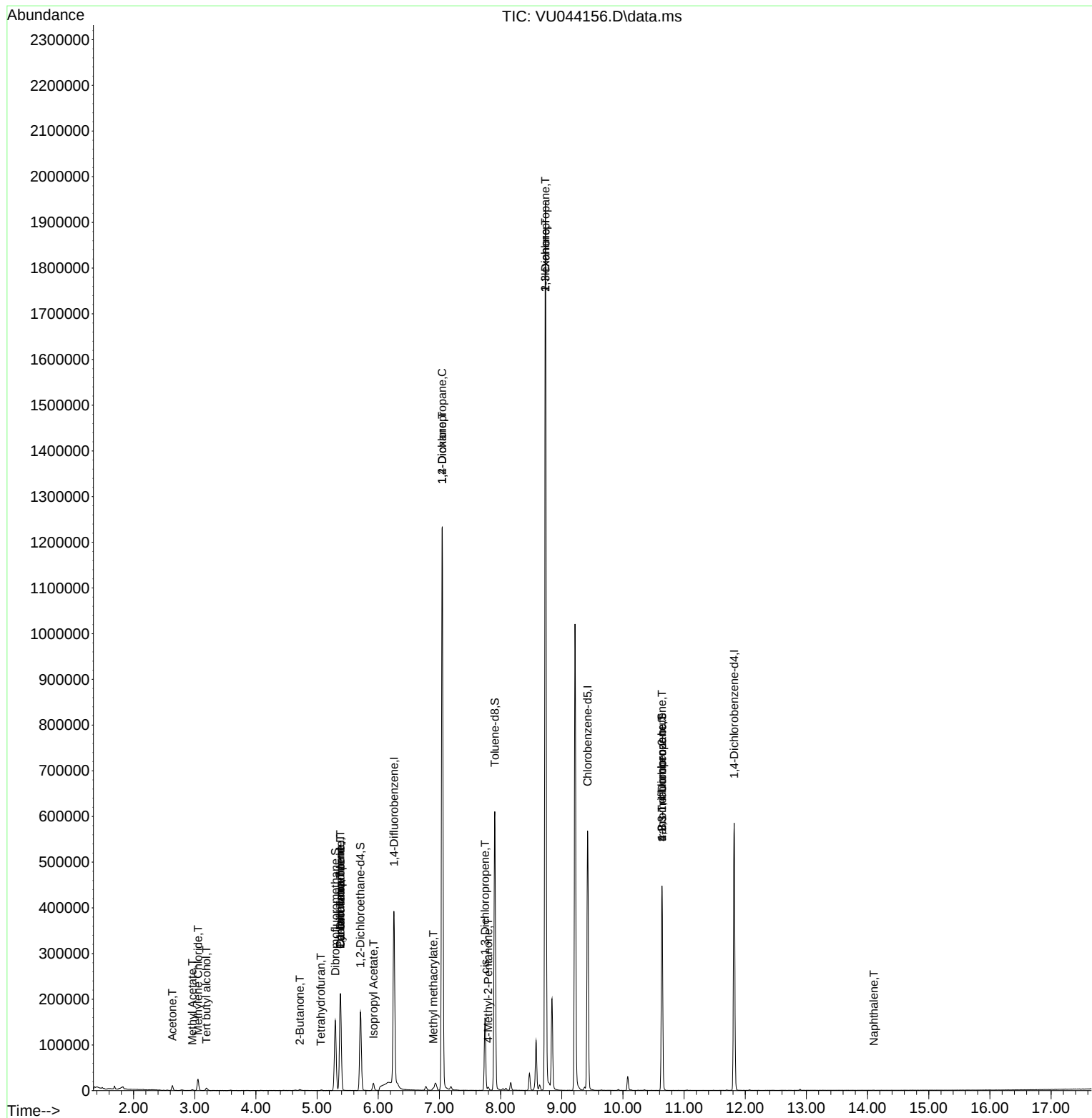
Internal Standards						
1) Pentafluorobenzene	5.382	168	141156	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	292390	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	303614	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	146463	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	126364	56.293	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.580%	
35) Dibromofluoromethane	5.298	113	99701	49.018	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.040%	
50) Toluene-d8	7.906	98	391322	50.097	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.200%	
62) 4-Bromofluorobenzene	10.639	95	151051	48.253	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.500%	
Target Compounds					Qvalue	
3) Chloromethane	1.523	50	553	Below Cal		98
6) Chloroethane	1.928	64	91	Below Cal	#	42
11) Tert butyl alcohol	3.192	59	3637	6.023 ug/l	#	73
13) Acrolein	2.494	56	391	Below Cal	#	72
16) Acetone	2.636	43	11881	8.179 ug/l		100
18) Methyl Acetate	2.960	43	2473	0.856 ug/l	#	68
20) Methylene Chloride	3.054	84	11818	4.757 ug/l		99
25) 2-Butanone	4.716	43	3478	1.856 ug/l		96
29) Tetrahydrofuran	5.063	42	796	0.782 ug/l	#	74
31) Cyclohexane	5.382	56	3161	0.998 ug/l	#	1
36) 1,1-Dichloropropene	5.382	75	12715	3.909 ug/l	#	50
38) Carbon Tetrachloride	5.382	117	14671	4.996 ug/l	#	16
43) Isopropyl Acetate	5.922	43	16274	2.945 ug/l		99
45) 1,2-Dichloropropane	7.044	63	1467	0.560 ug/l	#	43
48) Methyl methacrylate	6.899	41	6651	2.473 ug/l	#	11
49) 1,4-Dioxane	7.044	88	20	0.284 ug/l	#	1
51) 4-Methyl-2-Pentanone	7.796	43	3972	0.993 ug/l		100
54) cis-1,3-Dichloropropene	7.745	75	28504	7.271 ug/l	#	62
57) 1,3-Dichloropropane	8.732	76	19667	4.619 ug/l	#	42
59) 2-Hexanone	8.732	43	253360	79.362 ug/l	#	49
76) 1,2,3-Trichloropropane	10.639	75	75814	15.439 ug/l	#	47
81) trans-1,4-Dichloro-2-b...	10.639	75	75814	55.965 ug/l	#	13
95) Naphthalene	14.102	128	388	2.871 ug/l	#	69

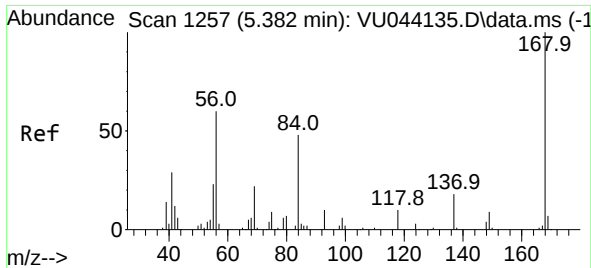
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 11 01:20:34 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060921W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 10 05:11:37 2021
Response via : Initial Calibration

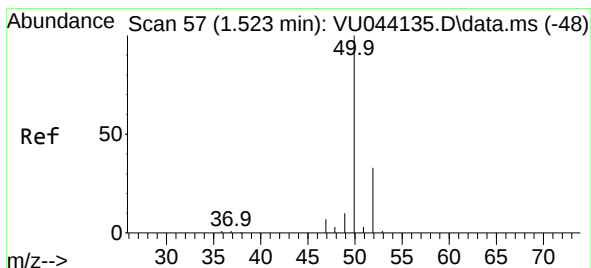
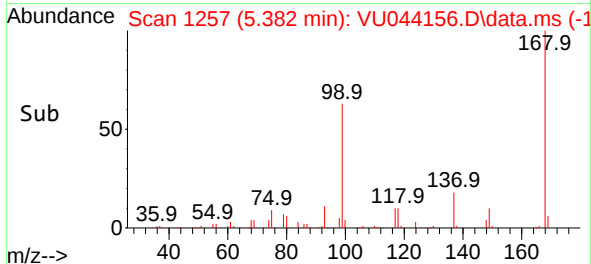
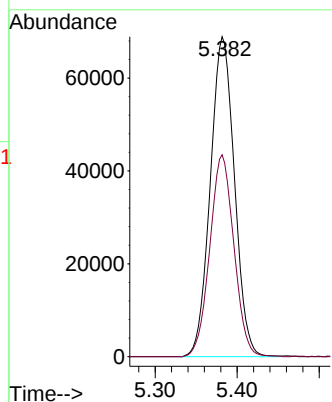
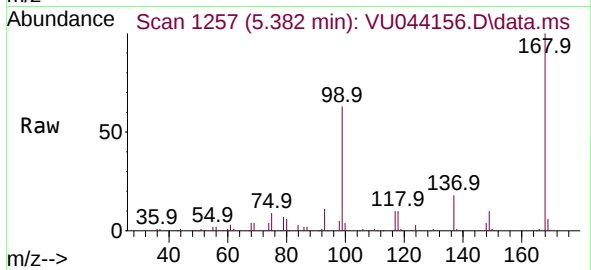




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044156.D
Acq: 10 Jun 2021 15:23

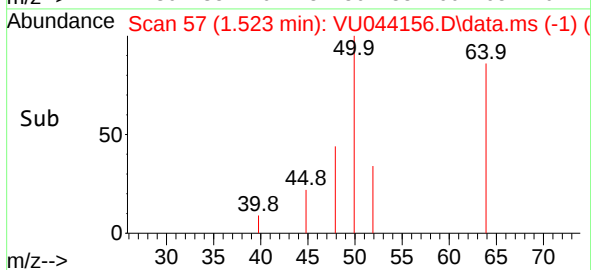
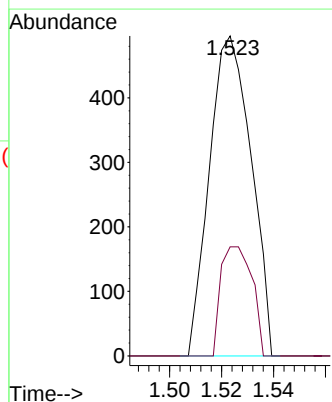
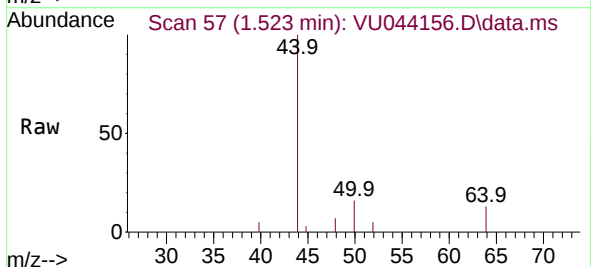
Instrument :
MSVOA_U
ClientSampled :

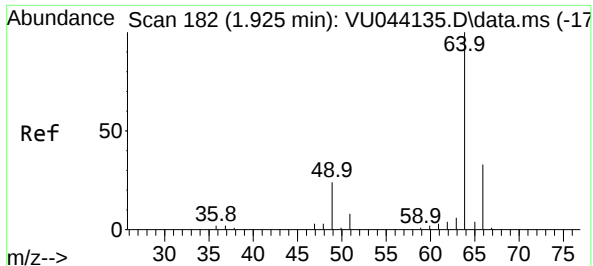
Tgt Ion:168 Resp: 141156
Ion Ratio Lower Upper
168 100
99 63.1 51.3 76.9



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU044156.D
Acq: 10 Jun 2021 15:23

Tgt Ion: 50 Resp: 553
Ion Ratio Lower Upper
50 100
52 34.1 26.6 39.8

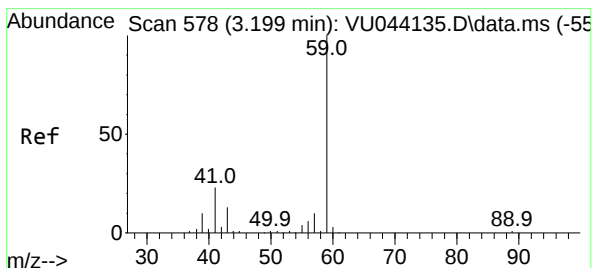
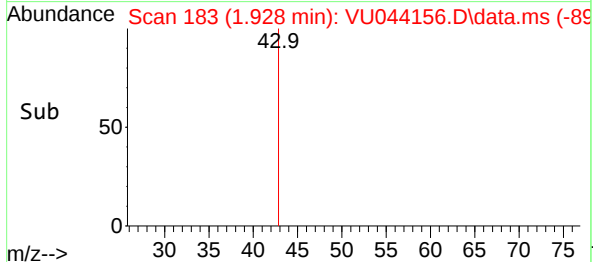
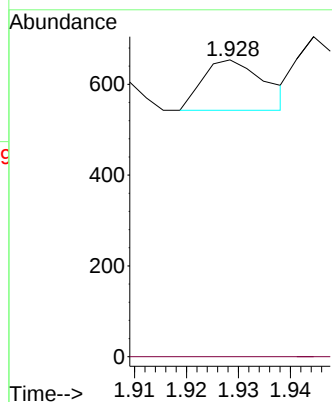
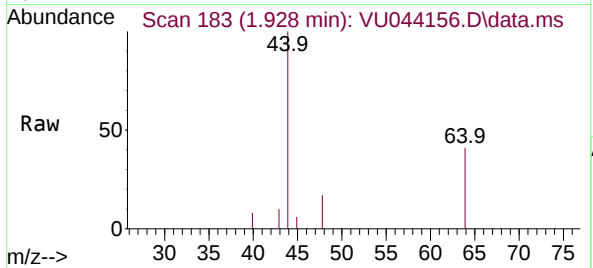




#6
Chloroethane
Concen: Below Cal
RT: 1.928 min Scan# 183
Delta R.T. 0.003 min
Lab File: VU044156.D
Acq: 10 Jun 2021 15:23

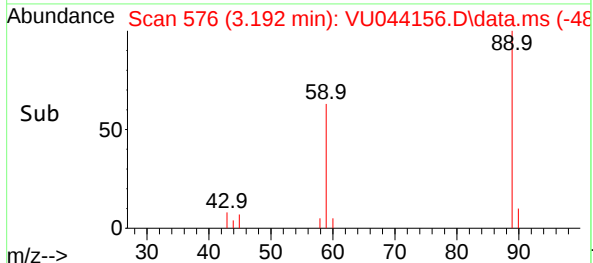
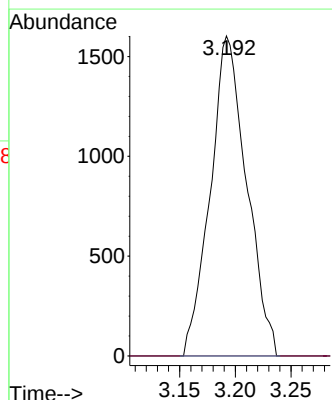
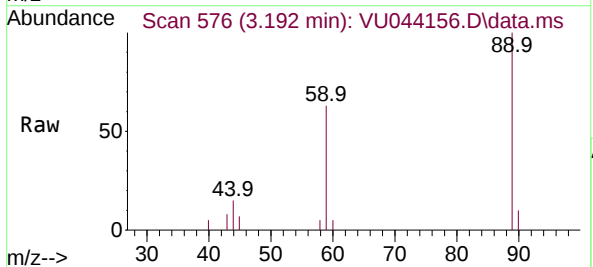
Instrument :
MSVOA_U
ClientSampled :

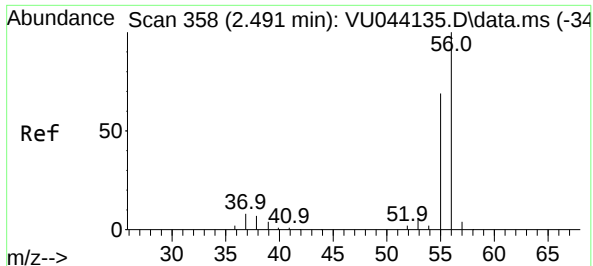
Tgt Ion: 64 Resp: 91
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#



#11
Tert butyl alcohol
Concen: 6.023 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.007 min
Lab File: VU044156.D
Acq: 10 Jun 2021 15:23

Tgt Ion: 59 Resp: 3637
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

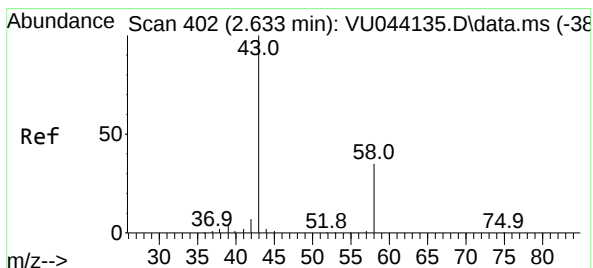
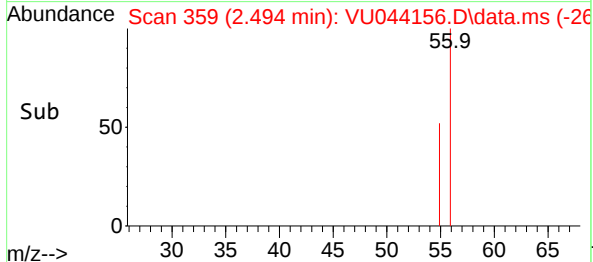
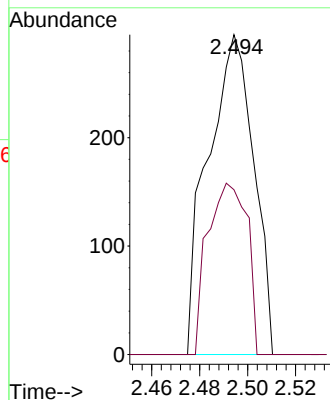
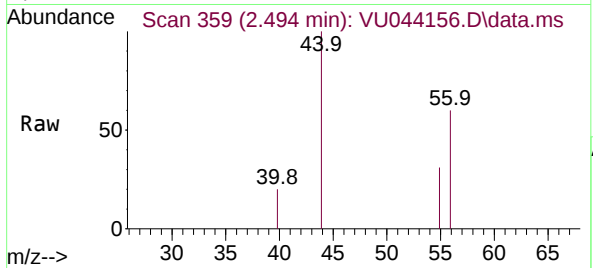




#13
Acrolein
Concen: Below Cal
RT: 2.494 min Scan# 359
Delta R.T. 0.003 min
Lab File: VU044156.D
Acq: 10 Jun 2021 15:23

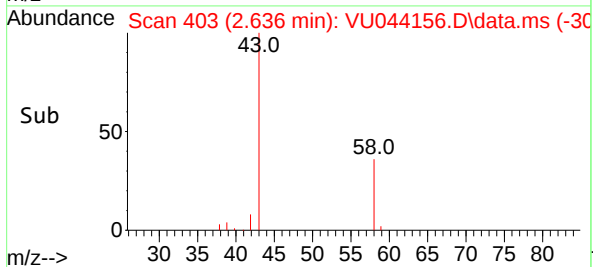
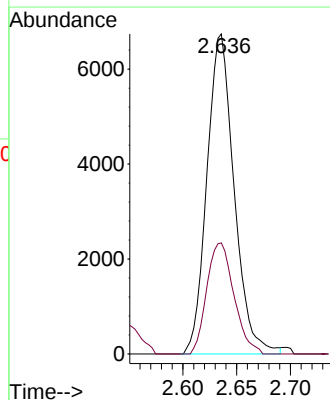
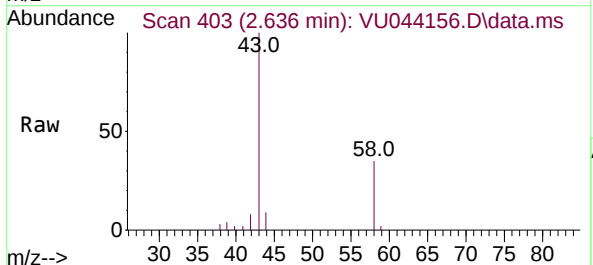
Instrument :
MSVOA_U
ClientSampled :

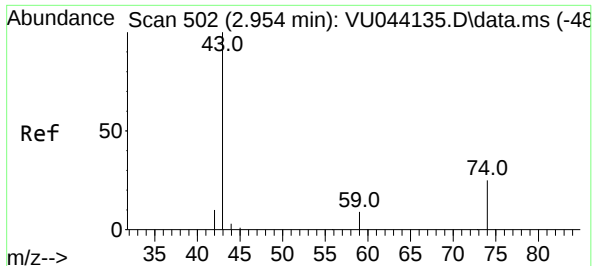
Tgt Ion: 56 Resp: 391
Ion Ratio Lower Upper
56 100
55 46.0 55.1 82.7#



#16
Acetone
Concen: 8.179 ug/l
RT: 2.636 min Scan# 403
Delta R.T. 0.003 min
Lab File: VU044156.D
Acq: 10 Jun 2021 15:23

Tgt Ion: 43 Resp: 11881
Ion Ratio Lower Upper
43 100
58 34.7 28.0 42.0

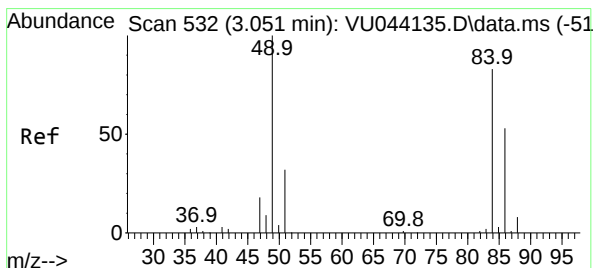
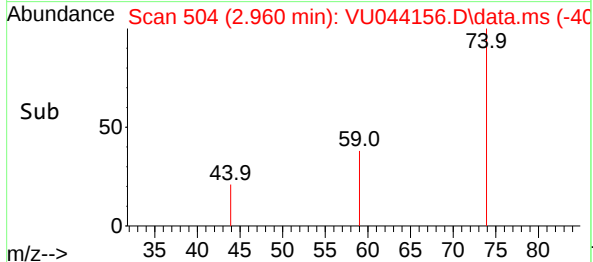
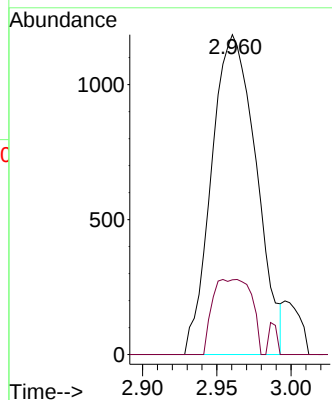
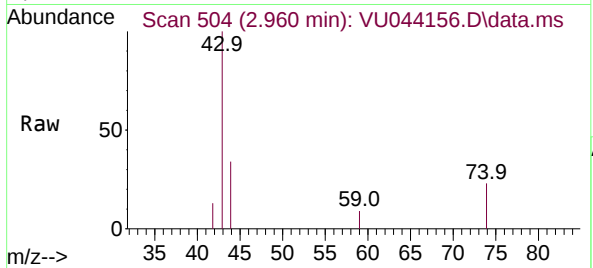




#18
Methyl Acetate
Concen: 0.856 ug/l
RT: 2.960 min Scan# 504
Delta R.T. 0.006 min
Lab File: VU044156.D
Acq: 10 Jun 2021 15:23

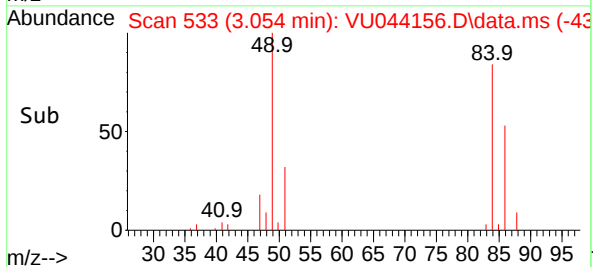
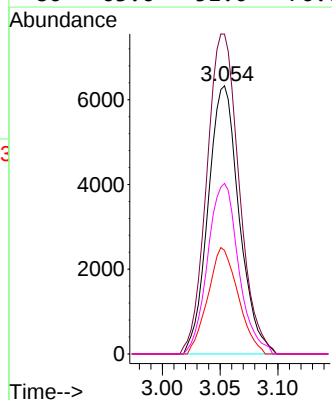
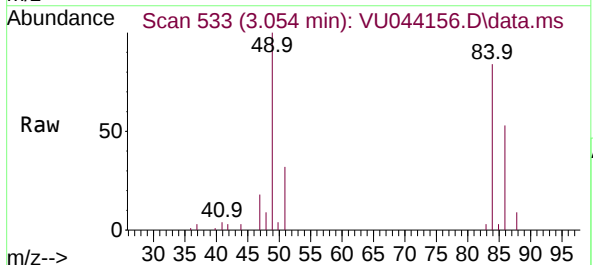
Instrument :
MSVOA_U
ClientSampled :

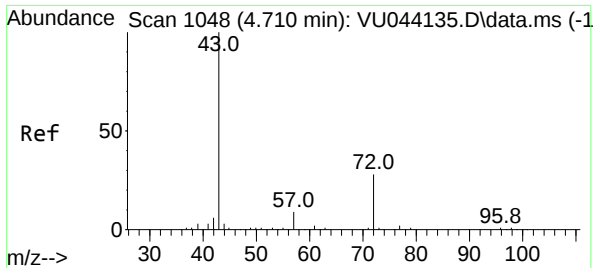
Tgt Ion: 43 Resp: 2473
Ion Ratio Lower Upper
43 100
74 9.1 20.3 30.5#



#20
Methylene Chloride
Concen: 4.757 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU044156.D
Acq: 10 Jun 2021 15:23

Tgt Ion: 84 Resp: 11818
Ion Ratio Lower Upper
84 100
49 119.3 96.9 145.3
51 38.6 31.0 46.6
86 63.6 51.0 76.6

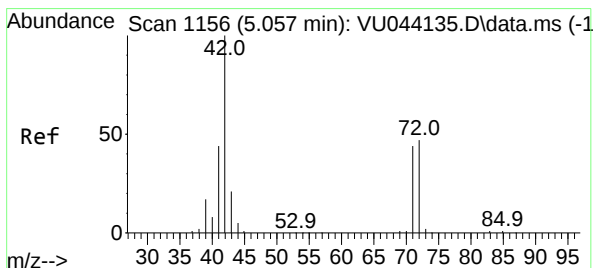
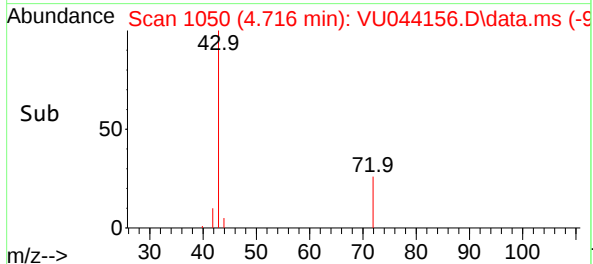
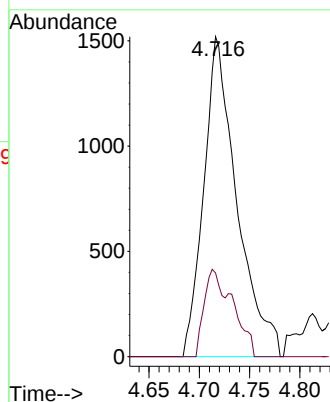
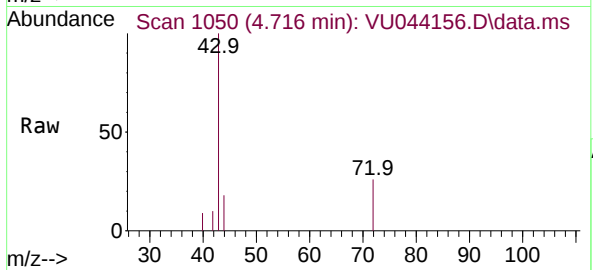




#25
2-Butanone
Concen: 1.856 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. 0.006 min
Lab File: VU044156.D
Acq: 10 Jun 2021 15:23

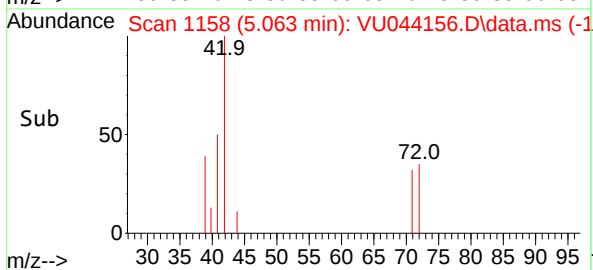
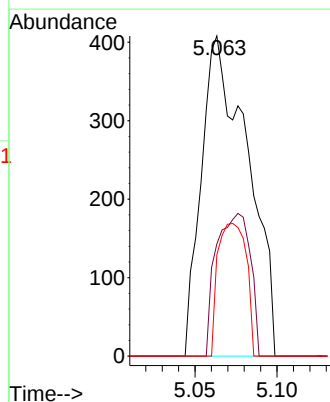
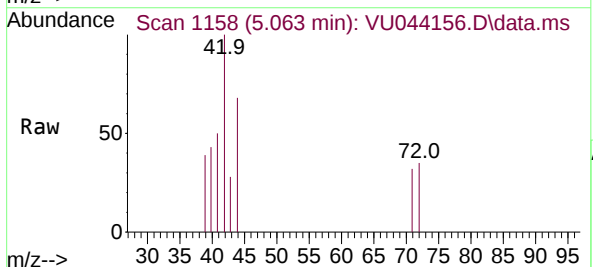
Instrument :
MSVOA_U
ClientSampled :

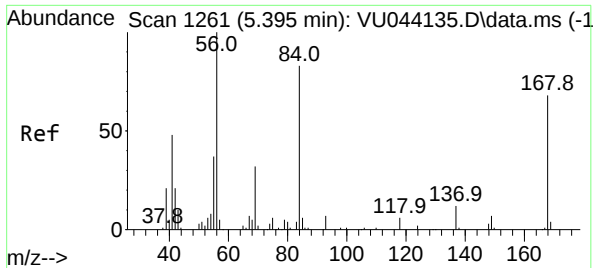
Tgt Ion: 43 Resp: 3478
Ion Ratio Lower Upper
43 100
72 26.1 22.6 33.8



#29
Tetrahydrofuran
Concen: 0.782 ug/l
RT: 5.063 min Scan# 1158
Delta R.T. 0.006 min
Lab File: VU044156.D
Acq: 10 Jun 2021 15:23

Tgt Ion: 42 Resp: 796
Ion Ratio Lower Upper
42 100
72 32.9 38.6 57.8#
71 25.4 35.5 53.3#

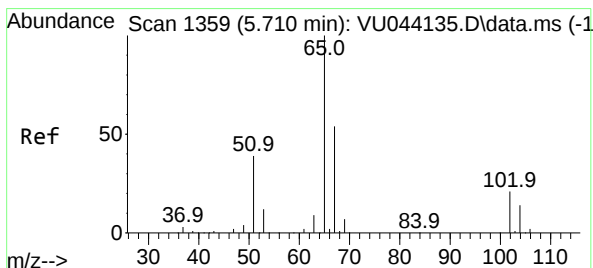
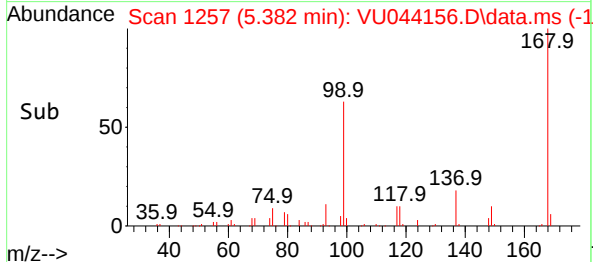
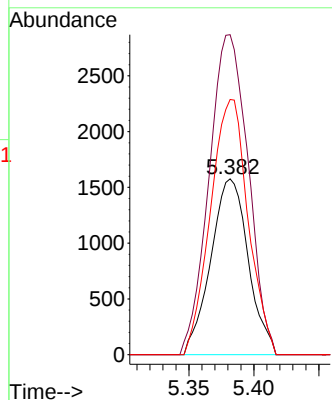
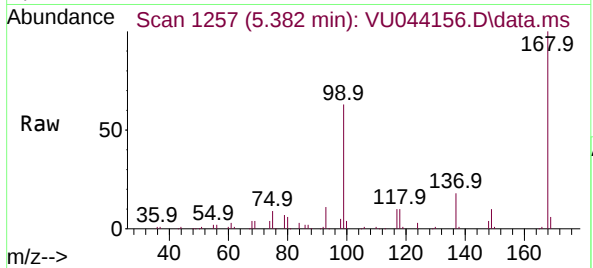




#31
Cyclohexane
Concen: 0.998 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.013 min
Lab File: VU044156.D
Acq: 10 Jun 2021 15:23

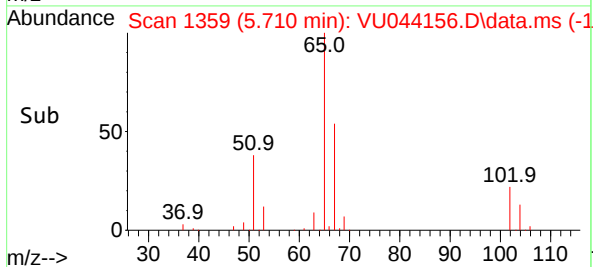
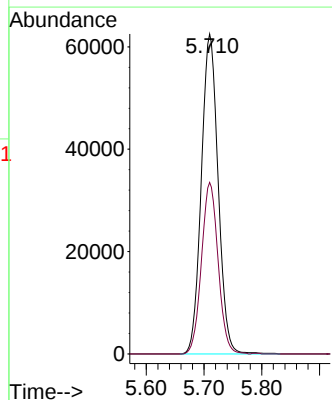
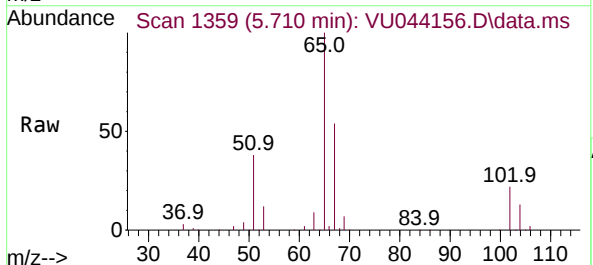
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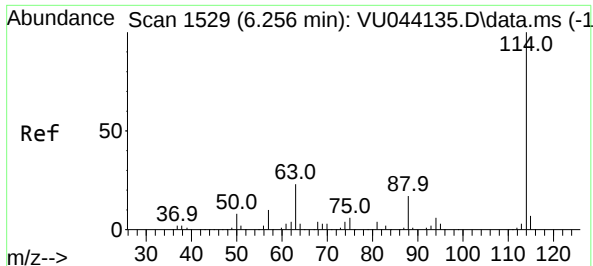
Tgt Ion: 56 Resp: 3161
Ion Ratio Lower Upper
56 100
69 182.0 25.5 38.3#
84 145.2 66.3 99.5#



#33
1,2-Dichloroethane-d4
Concen: 56.293 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044156.D
Acq: 10 Jun 2021 15:23

Tgt Ion: 65 Resp: 126364
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.6

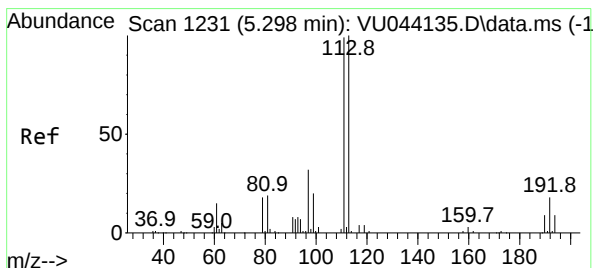
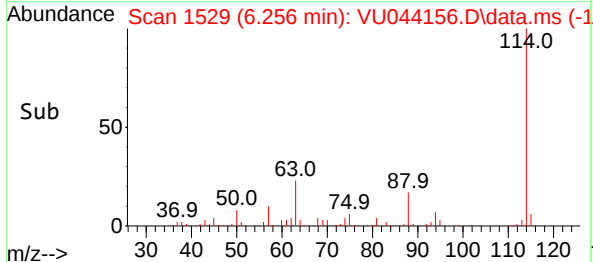
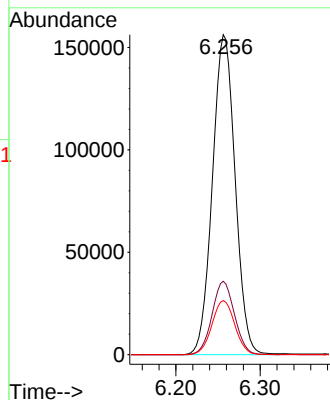
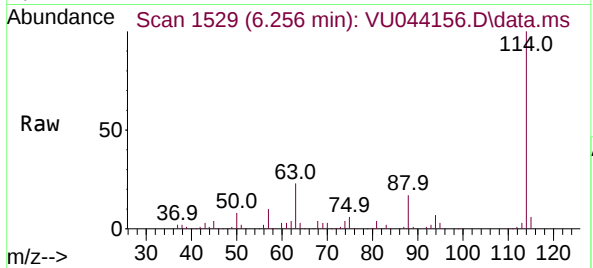




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044156.D
Acq: 10 Jun 2021 15:23

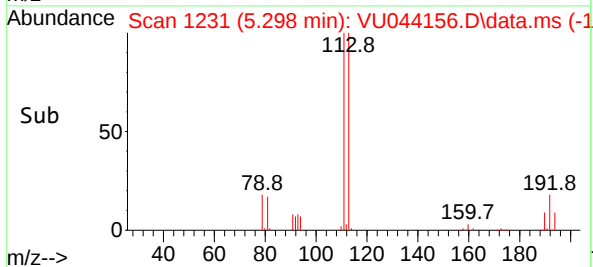
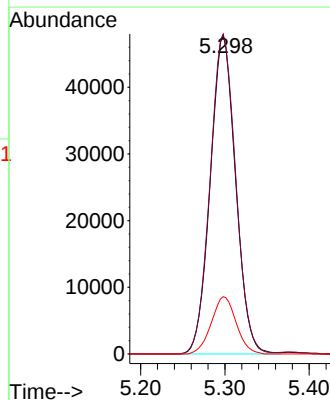
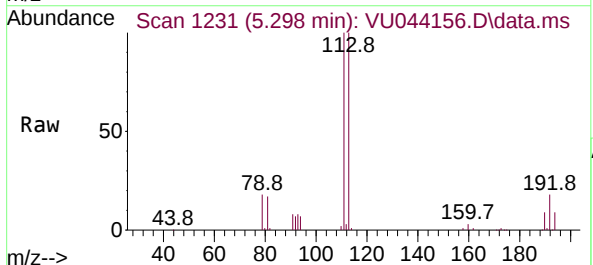
Instrument :
MSVOA_U
ClientSampleId :

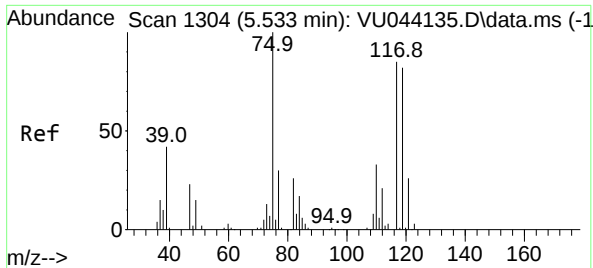
Tgt Ion:114 Resp: 292390
Ion Ratio Lower Upper
114 100
63 23.0 0.0 45.8
88 16.9 0.0 34.0



#35
Dibromofluoromethane
Concen: 49.018 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU044156.D
Acq: 10 Jun 2021 15:23

Tgt Ion:113 Resp: 99701
Ion Ratio Lower Upper
113 100
111 101.6 81.0 121.4
192 17.7 14.3 21.5

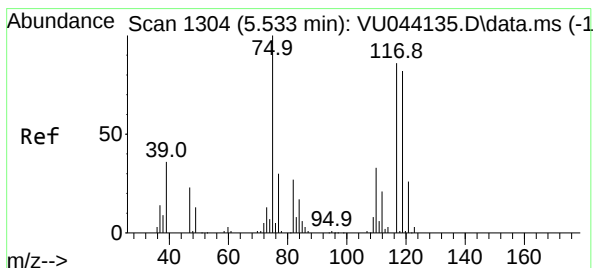
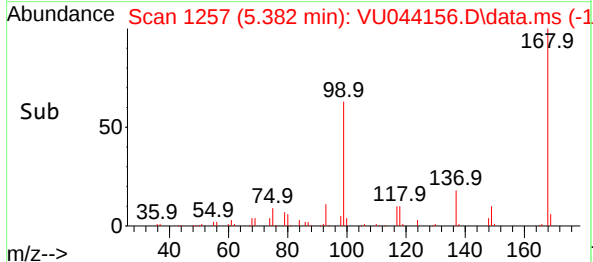
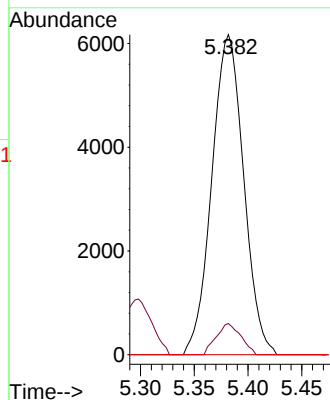
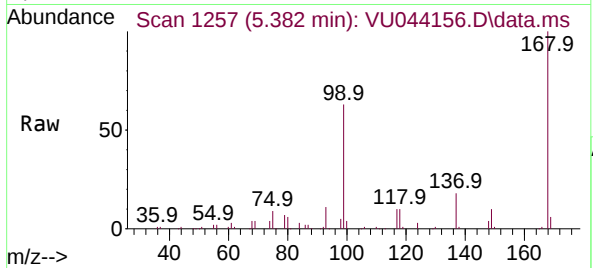




#36
1,1-Dichloropropene
Concen: 3.909 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044156.D
Acq: 10 Jun 2021 15:23

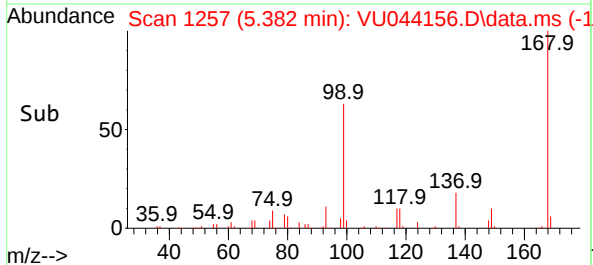
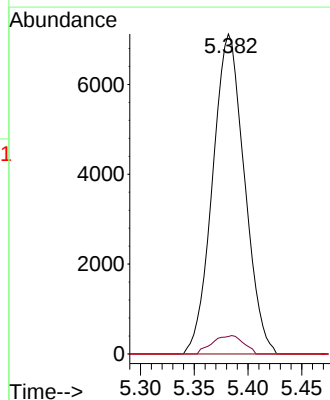
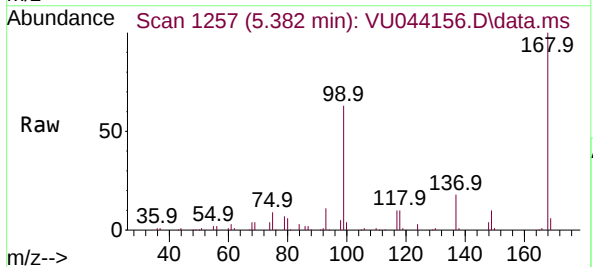
Instrument :
MSVOA_U
ClientSampleId :

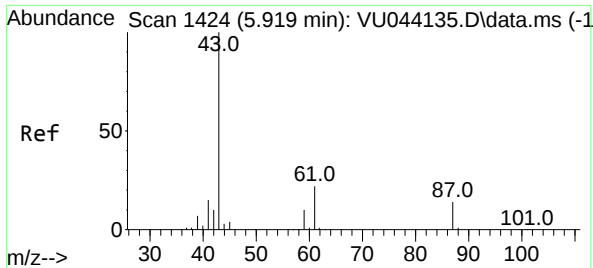
Tgt Ion: 75 Resp: 12715
Ion Ratio Lower Upper
75 100
110 7.5 16.4 49.4#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 4.996 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044156.D
Acq: 10 Jun 2021 15:23

Tgt Ion:117 Resp: 14671
Ion Ratio Lower Upper
117 100
119 5.5 76.6 114.8#
121 0.0 24.6 36.8#

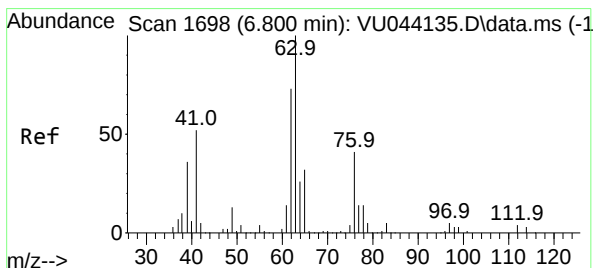
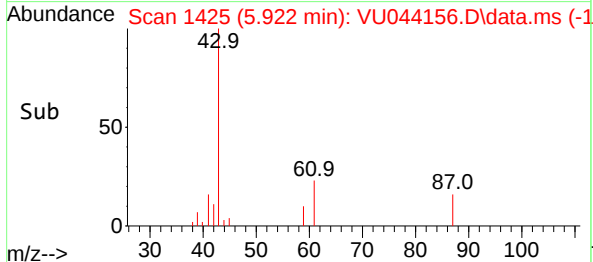
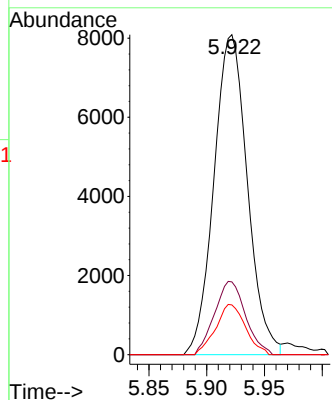
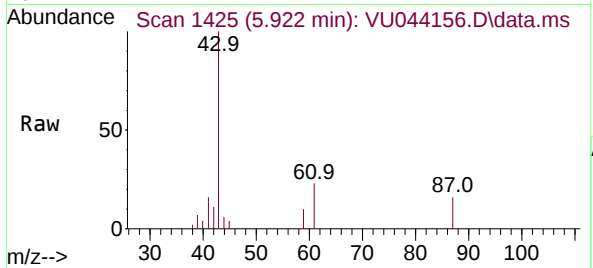




#43
Isopropyl Acetate
Concen: 2.945 ug/l
RT: 5.922 min Scan# 1425
Delta R.T. 0.003 min
Lab File: VU044156.D
Acq: 10 Jun 2021 15:23

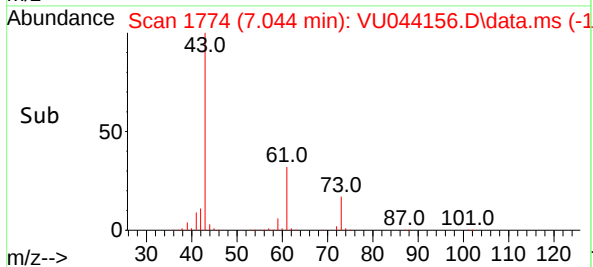
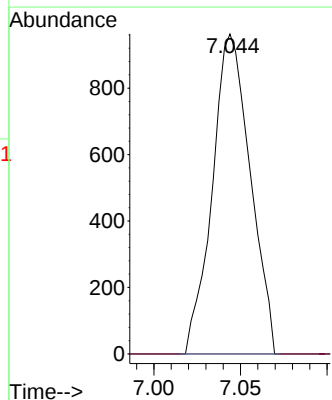
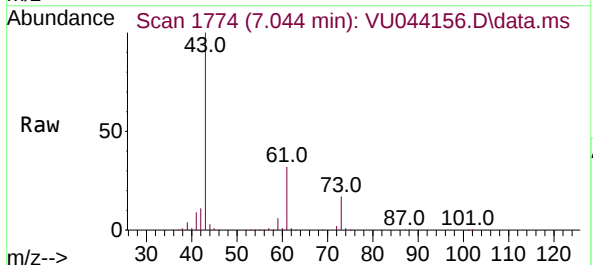
Instrument :
MSVOA_U
ClientSampleId :

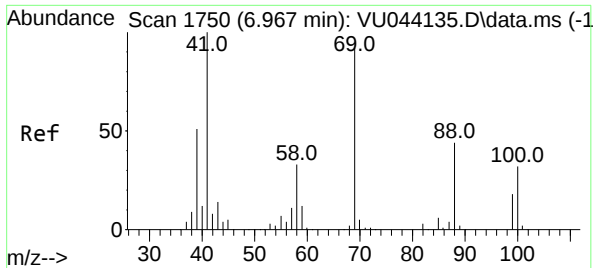
Tgt Ion: 43	Resp: 16274
Ion Ratio	Lower Upper
43 100	
61 21.3	17.8 26.8
87 14.0	11.1 16.7



#45
1,2-Dichloropropane
Concen: 0.560 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.244 min
Lab File: VU044156.D
Acq: 10 Jun 2021 15:23

Tgt Ion: 63	Resp: 1467
Ion Ratio	Lower Upper
63 100	
65 0.0	25.7 38.5#

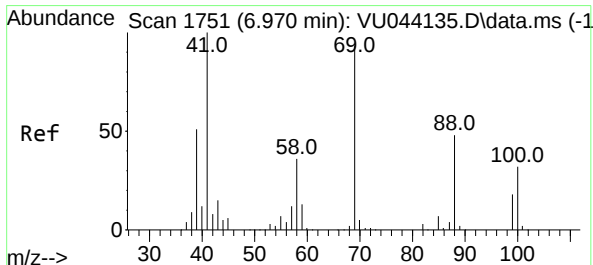
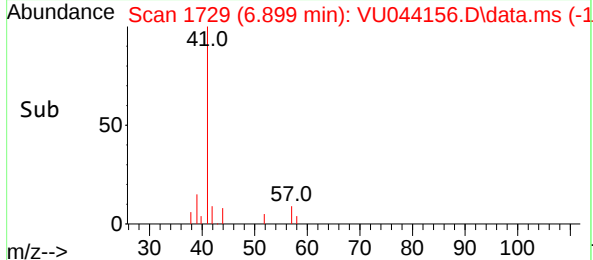
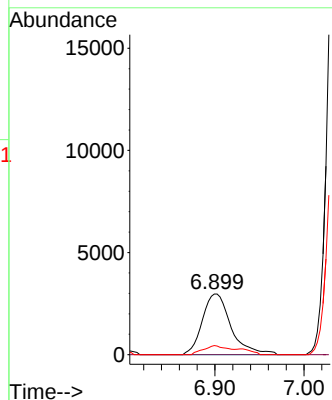
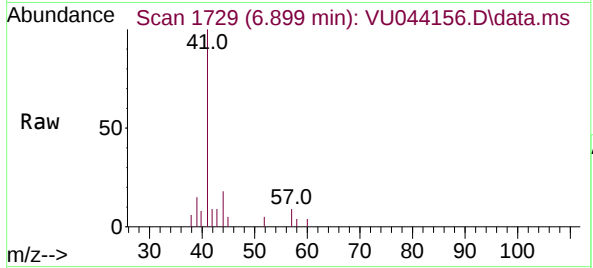




#48
Methyl methacrylate
Concen: 2.473 ug/l
RT: 6.899 min Scan# 1729
Delta R.T. -0.068 min
Lab File: VU044156.D
Acq: 10 Jun 2021 15:23

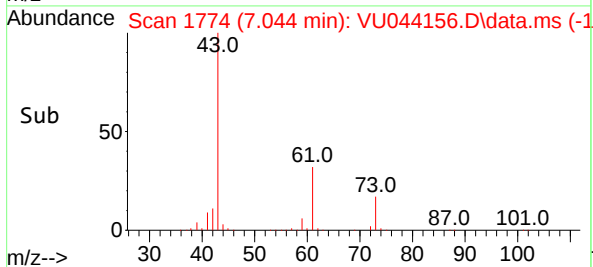
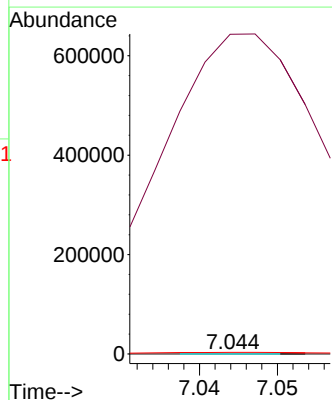
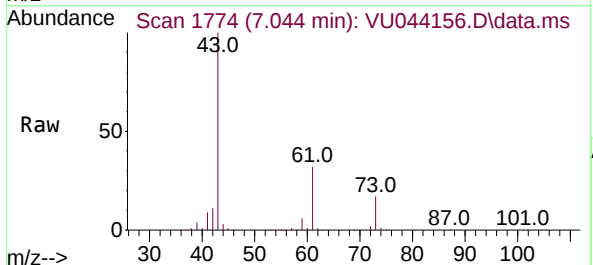
Instrument :
MSVOA_U
ClientSampled :

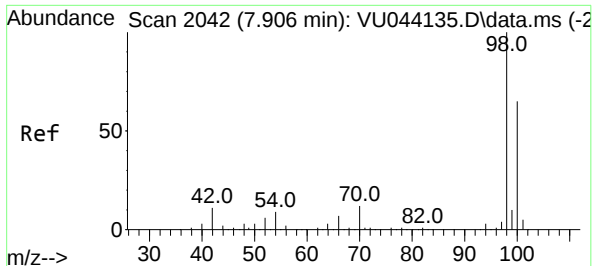
Tgt Ion: 41 Resp: 6651
Ion Ratio Lower Upper
41 100
69 0.0 74.0 111.0#
39 0.0 41.5 62.3#



#49
1,4-Dioxane
Concen: 0.284 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.074 min
Lab File: VU044156.D
Acq: 10 Jun 2021 15:23

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 5462745.0 23.4 35.0#
58 28860.0 58.1 87.1#

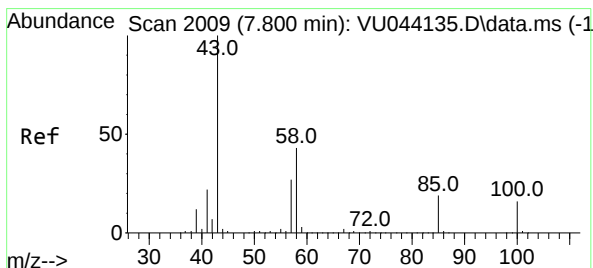
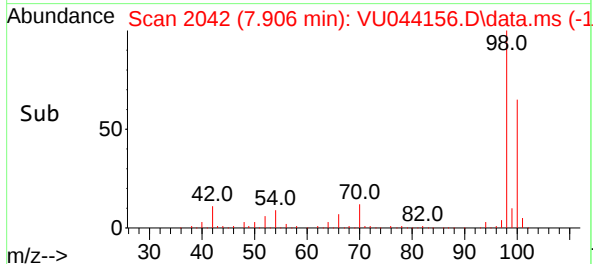
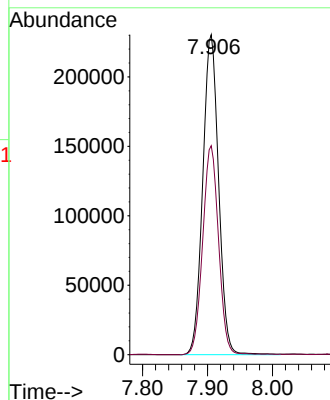
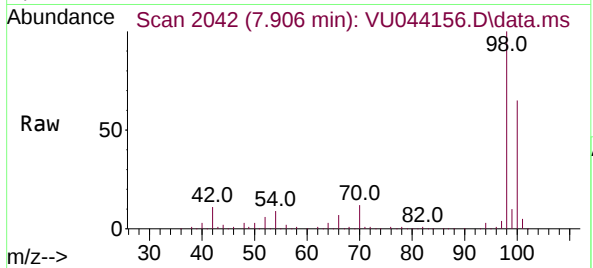




#50
Toluene-d8
Concen: 50.097 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU044156.D
Acq: 10 Jun 2021 15:23

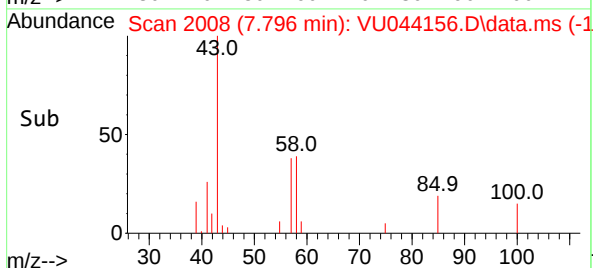
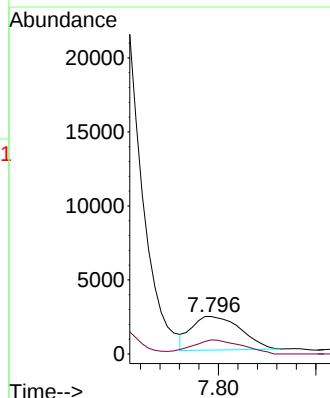
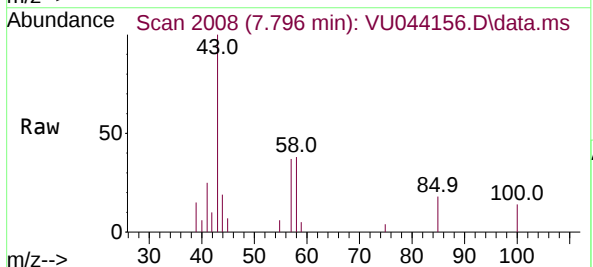
Instrument :
MSVOA_U
ClientSampled :

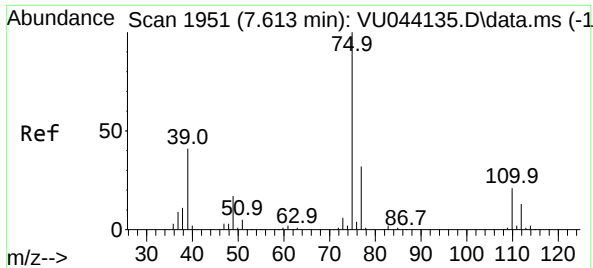
Tgt Ion: 98 Resp: 391322
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.993 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. -0.004 min
Lab File: VU044156.D
Acq: 10 Jun 2021 15:23

Tgt Ion: 43 Resp: 3972
Ion Ratio Lower Upper
43 100
58 42.9 34.5 51.7

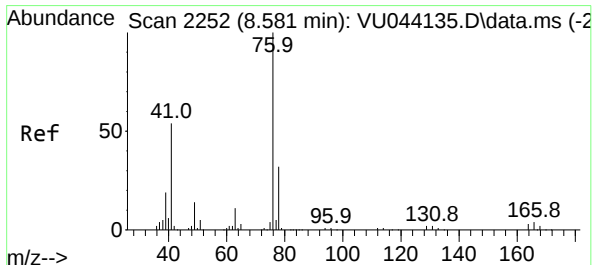
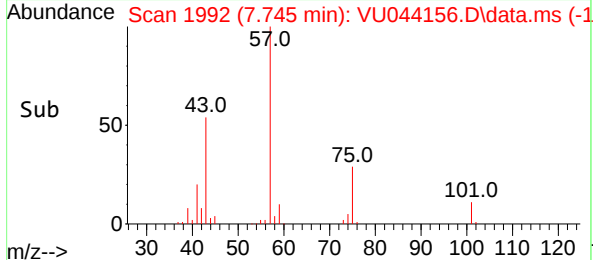
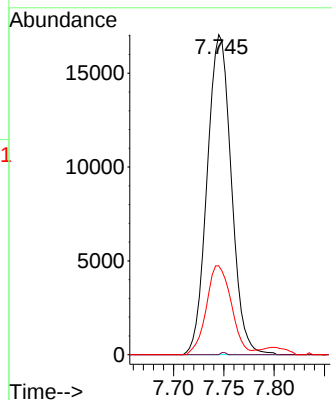
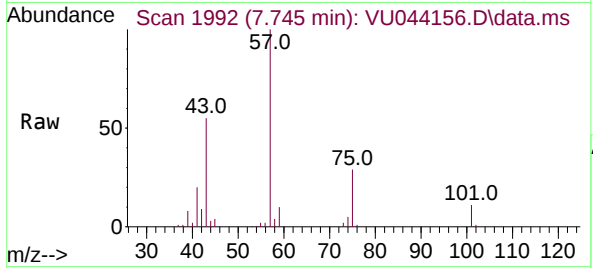




#54
 cis-1,3-Dichloropropene
 Concen: 7.271 ug/l
 RT: 7.745 min Scan# 1992
 Delta R.T. 0.132 min
 Lab File: VU044156.D
 Acq: 10 Jun 2021 15:23

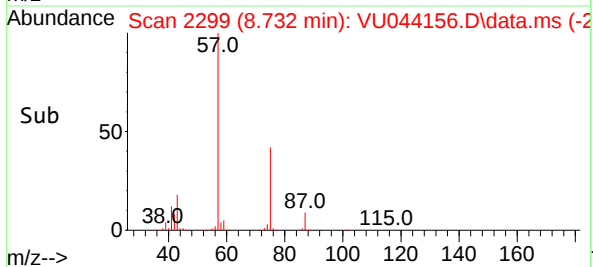
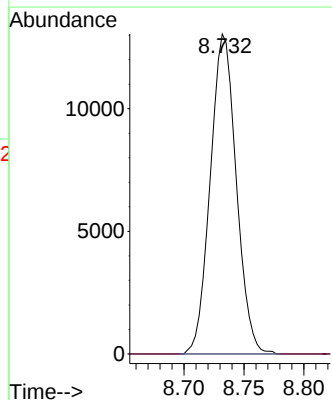
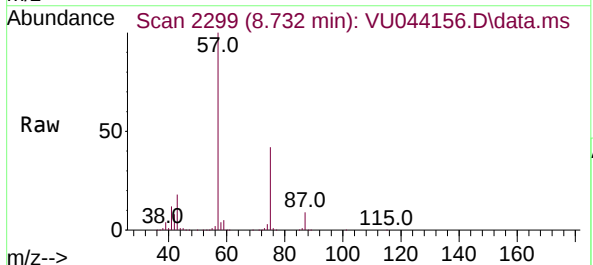
Instrument :
 MSVOA_U
 ClientSampled :

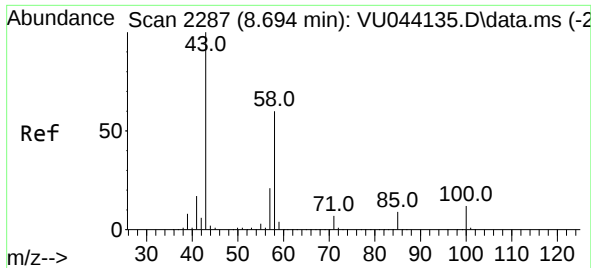
Tgt Ion: 75 Resp: 28504
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.9 38.9#
 39 27.7 33.2 49.8#



#57
 1,3-Dichloropropane
 Concen: 4.619 ug/l
 RT: 8.732 min Scan# 2299
 Delta R.T. 0.151 min
 Lab File: VU044156.D
 Acq: 10 Jun 2021 15:23

Tgt Ion: 76 Resp: 19667
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#

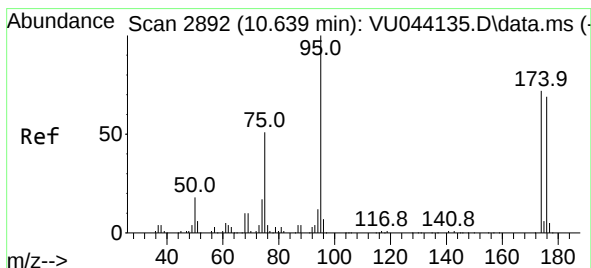
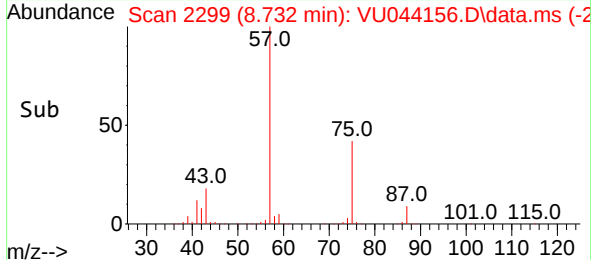
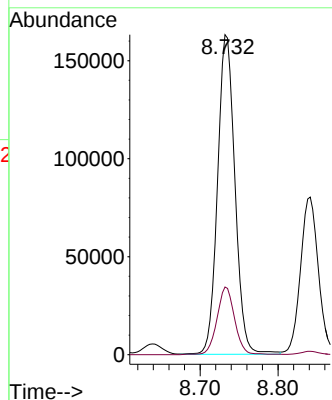
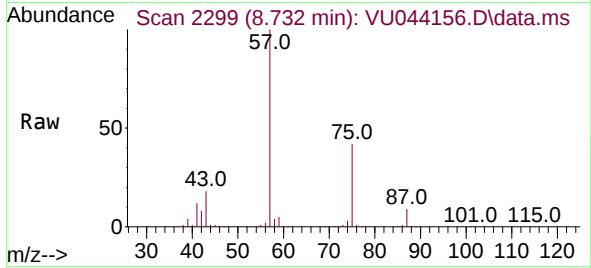




#59
2-Hexanone
Concen: 79.362 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.038 min
Lab File: VU044156.D
Acq: 10 Jun 2021 15:23

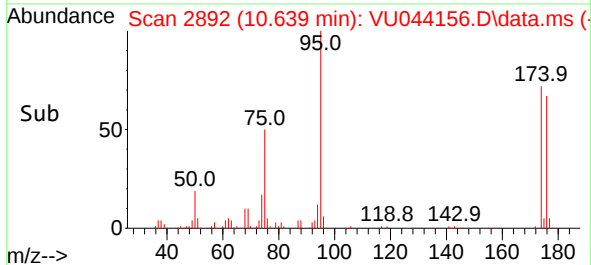
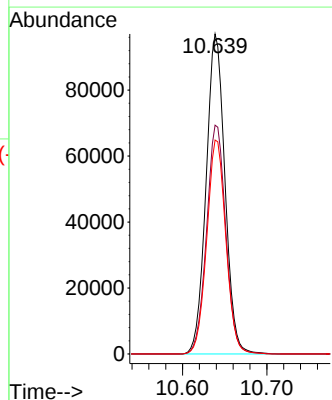
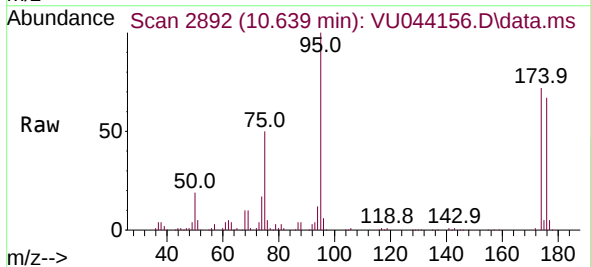
Instrument :
MSVOA_U
ClientSampled :

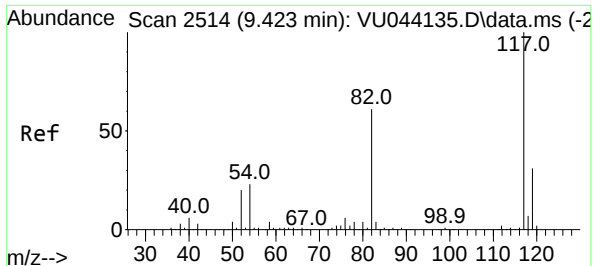
Tgt Ion: 43 Resp: 253360
Ion Ratio Lower Upper
43 100
58 21.5 30.0 90.1#



#62
4-Bromofluorobenzene
Concen: 48.253 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044156.D
Acq: 10 Jun 2021 15:23

Tgt Ion: 95 Resp: 151051
Ion Ratio Lower Upper
95 100
174 72.8 0.0 144.4
176 67.6 0.0 138.0

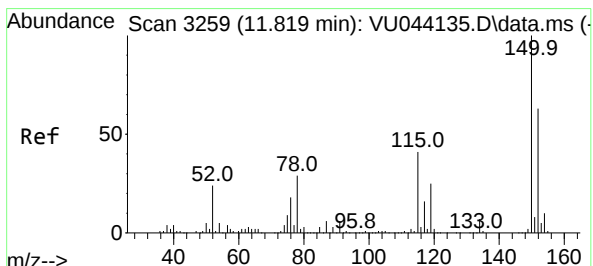
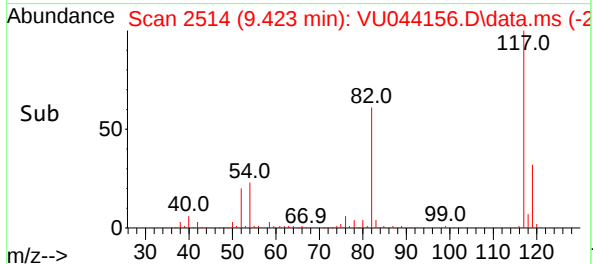
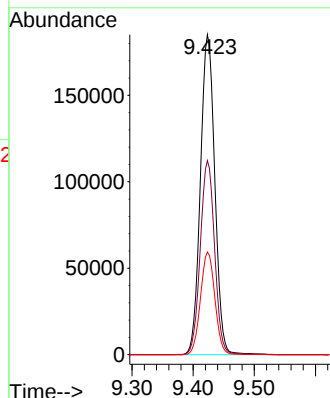
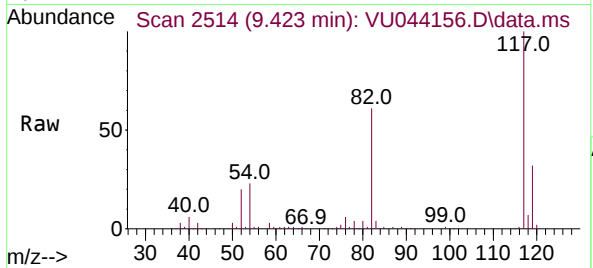




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. -0.000 min
Lab File: VU044156.D
Acq: 10 Jun 2021 15:23

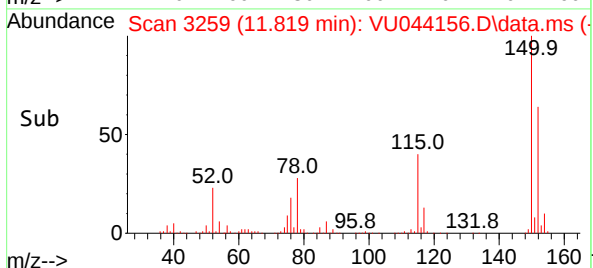
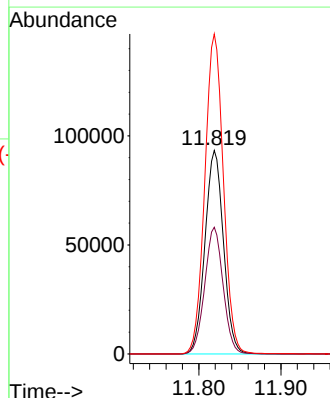
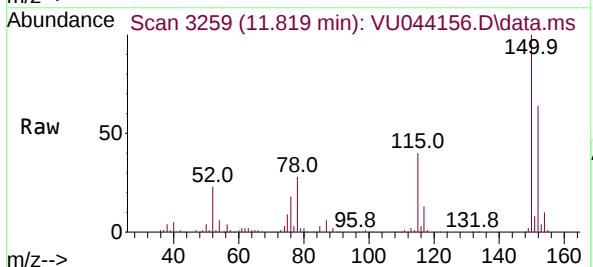
Instrument :
MSVOA_U
ClientSampled :

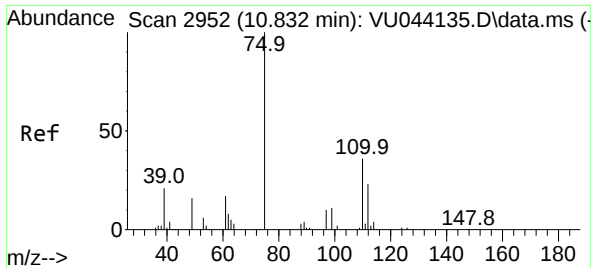
Tgt Ion:117 Resp: 303614
Ion Ratio Lower Upper
117 100
82 60.7 48.8 73.2
119 32.1 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU044156.D
Acq: 10 Jun 2021 15:23

Tgt Ion:152 Resp: 146463
Ion Ratio Lower Upper
152 100
115 61.7 43.8 131.3
150 157.4 0.0 350.6

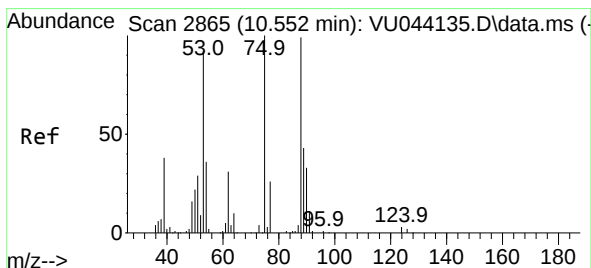
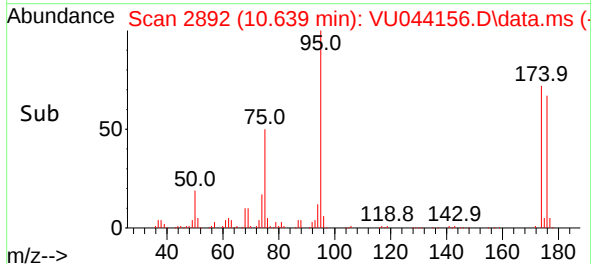
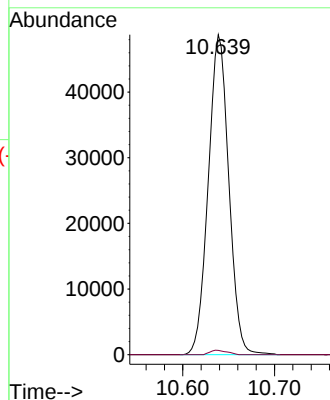
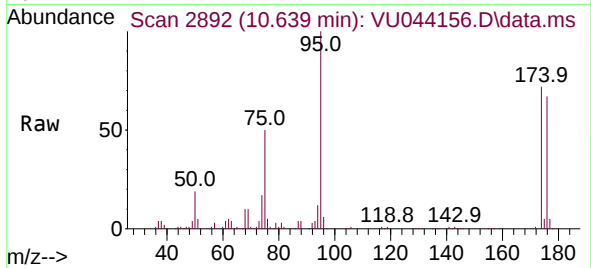




#76
1,2,3-Trichloropropane
Concen: 15.439 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU044156.D
Acq: 10 Jun 2021 15:23

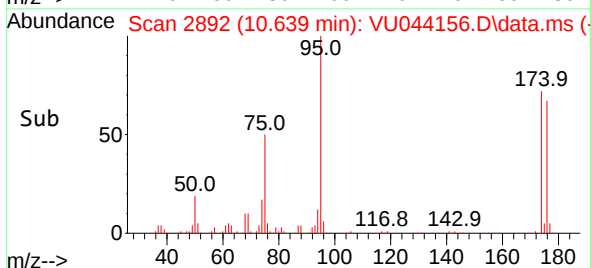
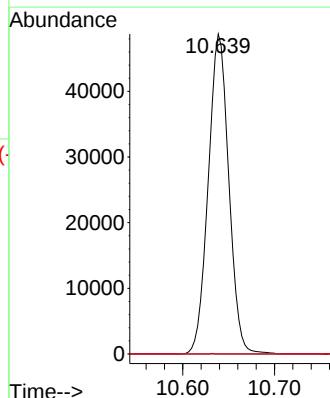
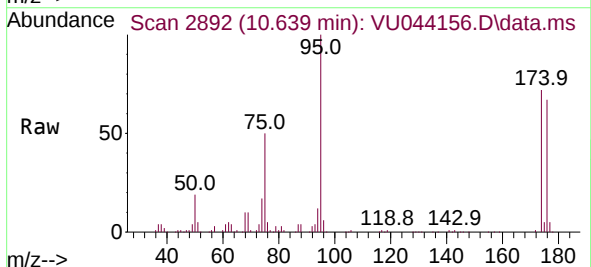
Instrument :
MSVOA_U
ClientSampled :

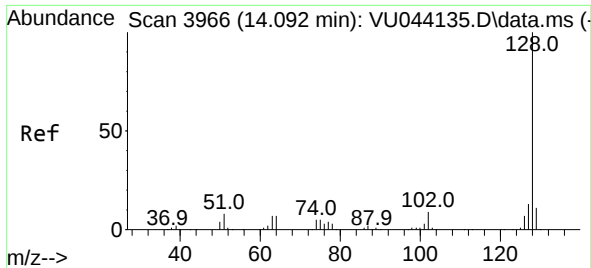
Tgt Ion: 75 Resp: 75814
Ion Ratio Lower Upper
75 100
77 1.2 14.9 44.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.965 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044156.D
Acq: 10 Jun 2021 15:23

Tgt Ion: 75 Resp: 75814
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.2#
89 0.0 35.0 52.6#





#95
Naphthalene
Concen: 2.871 ug/l
RT: 14.102 min Scan# 3969
Delta R.T. 0.010 min
Lab File: VU044156.D
Acq: 10 Jun 2021 15:23

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 388
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

