

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060821\
 Data File : VU044123.D
 Acq On : 08 Jun 2021 19:17
 Operator : SY/MD
 Sample : M2589-24
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 08 23:15:12 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)

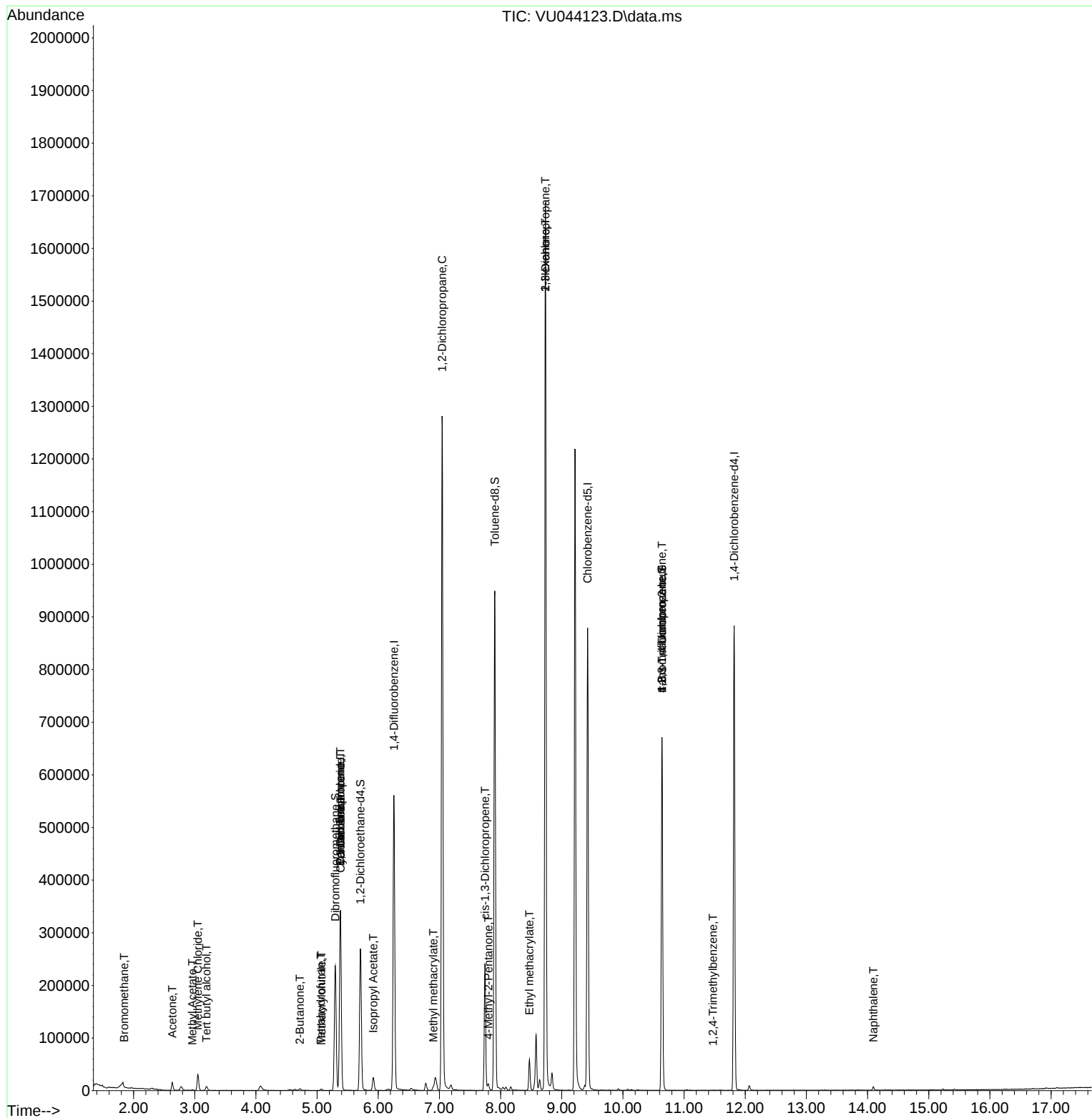
Internal Standards						
1) Pentafluorobenzene	5.382	168	224722	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	440403	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	463927	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	219272	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	197661	50.505	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.020%	
35) Dibromofluoromethane	5.298	113	154673	49.215	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.440%	
50) Toluene-d8	7.906	98	613329	50.594	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.180%	
62) 4-Bromofluorobenzene	10.639	95	224001	46.672	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.340%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	850	Below Cal		98
5) Bromomethane	1.845	94	500	0.290	ug/l #	65
11) Tert butyl alcohol	3.192	59	5321	5.484	ug/l #	72
16) Acetone	2.633	43	16836	7.453	ug/l	98
18) Methyl Acetate	2.961	43	2095	0.421	ug/l #	89
20) Methylene Chloride	3.051	84	14394	2.640	ug/l	97
25) 2-Butanone	4.719	43	5595	1.736	ug/l	98
29) Tetrahydrofuran	5.063	42	1835	1.026	ug/l #	82
31) Cyclohexane	5.385	56	5094	0.943	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	20165	4.064	ug/l #	50
38) Carbon Tetrachloride	5.382	117	24051	5.365	ug/l #	17
41) Methacrylonitrile	5.073	41	1071	0.326	ug/l #	43
43) Isopropyl Acetate	5.919	43	25866	2.927	ug/l	99
45) 1,2-Dichloropropane	7.044	63	1659	0.406	ug/l #	42
48) Methyl methacrylate	6.899	41	9905	2.273	ug/l #	14
51) 4-Methyl-2-Pentanone	7.800	43	7905	1.204	ug/l	99
54) cis-1,3-Dichloropropene	7.745	75	41647	6.864	ug/l #	65
56) Ethyl methacrylate	8.472	69	362	3.437	ug/l #	1
57) 1,3-Dichloropropane	8.732	76	16615	2.487	ug/l #	42
59) 2-Hexanone	8.732	43	217856	42.711	ug/l #	51
76) 1,2,3-Trichloropropane	10.639	75	115585	18.843	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.639	75	115585	55.023	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.475	105	317	0.971	ug/l #	32
95) Naphthalene	14.095	128	5784	3.210	ug/l	98

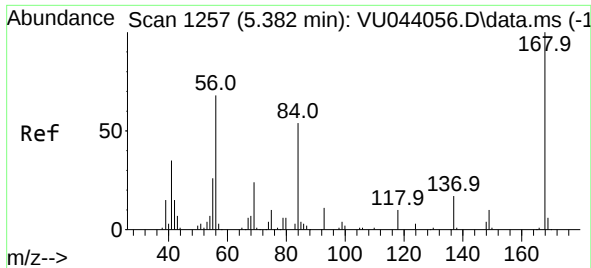
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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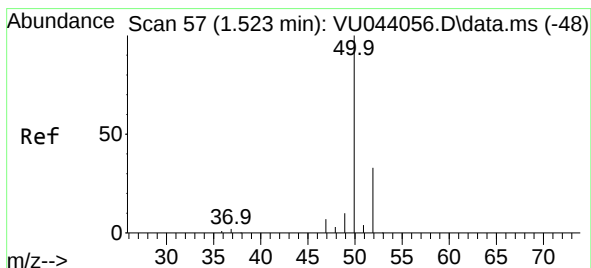
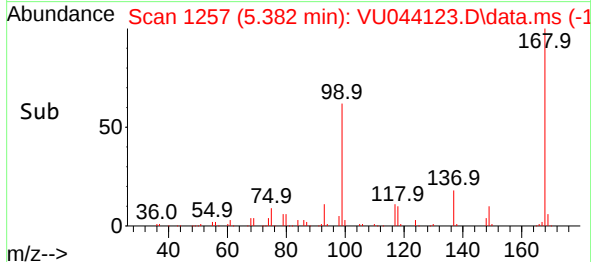
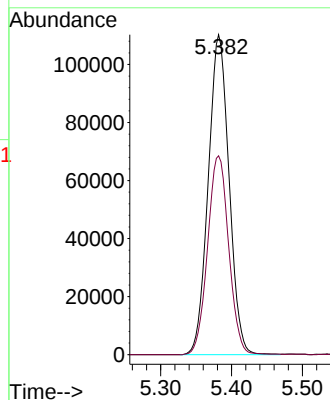
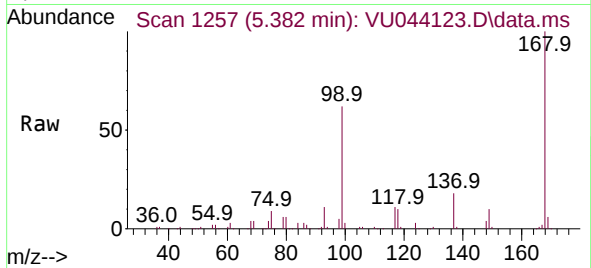




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044123.D
Acq: 08 Jun 2021 19:17

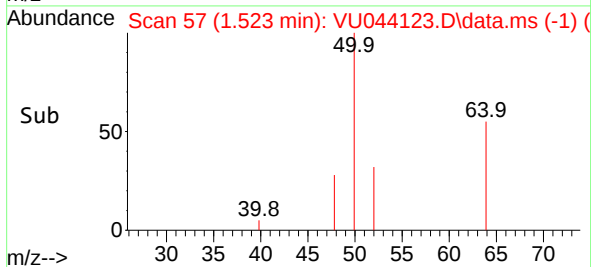
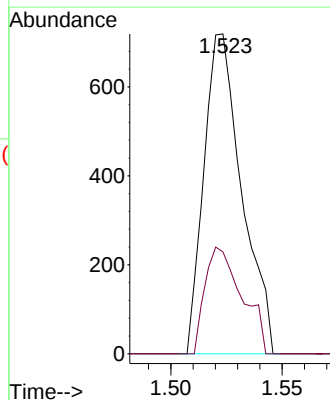
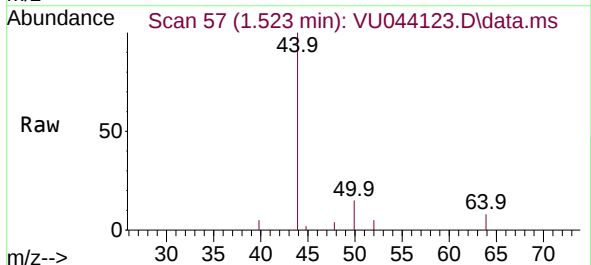
Instrument :
MSVOA_U
ClientSampled :

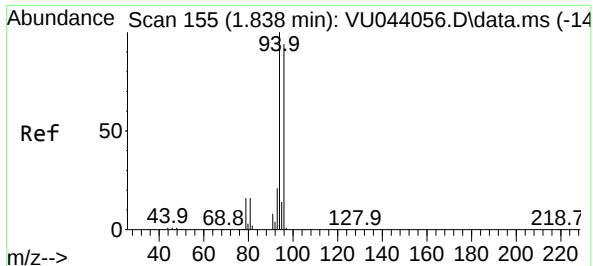
Tgt Ion:168 Resp: 224722
Ion Ratio Lower Upper
168 100
99 62.1 52.6 78.8



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU044123.D
Acq: 08 Jun 2021 19:17

Tgt Ion: 50 Resp: 850
Ion Ratio Lower Upper
50 100
52 31.8 26.2 39.2

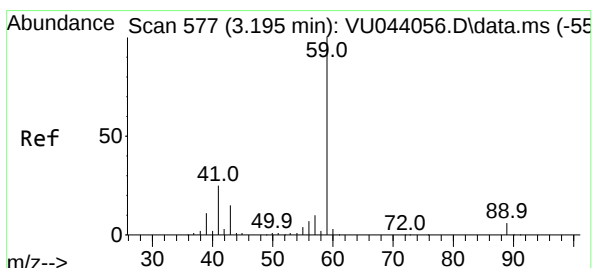
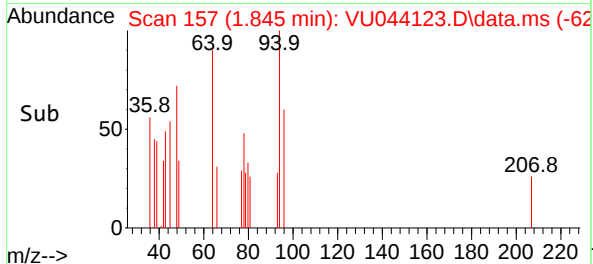
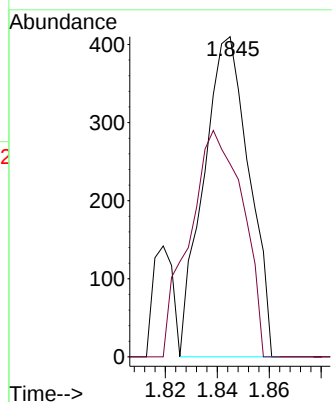
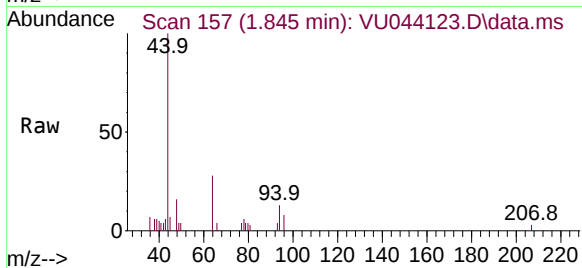




#5
Bromomethane
Concen: 0.290 ug/l
RT: 1.845 min Scan# 157
Delta R.T. 0.007 min
Lab File: VU044123.D
Acq: 08 Jun 2021 19:17

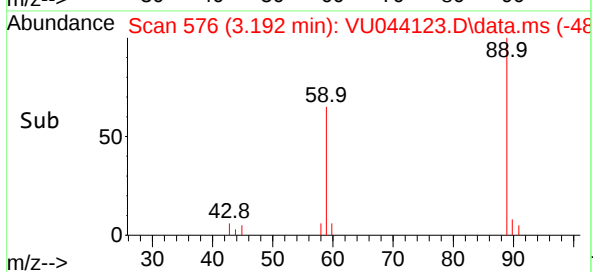
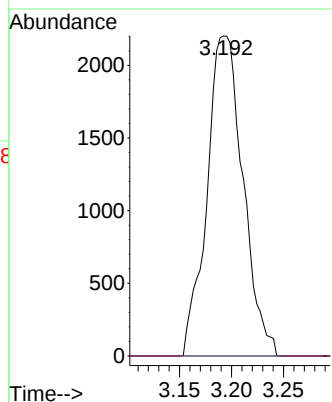
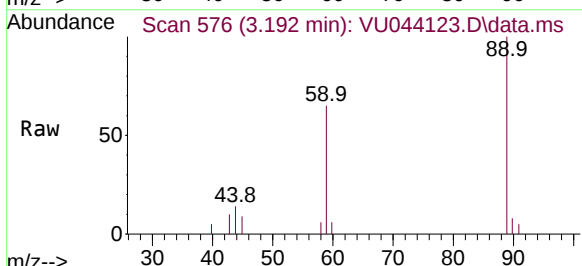
Instrument :
MSVOA_U
ClientSampleId :

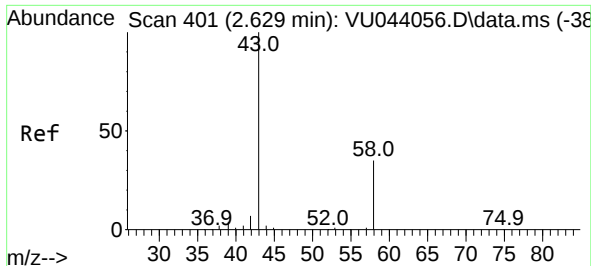
Tgt Ion: 94 Resp: 500
Ion Ratio Lower Upper
94 100
96 60.2 74.8 112.2#



#11
Tert butyl alcohol
Concen: 5.484 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.003 min
Lab File: VU044123.D
Acq: 08 Jun 2021 19:17

Tgt Ion: 59 Resp: 5321
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

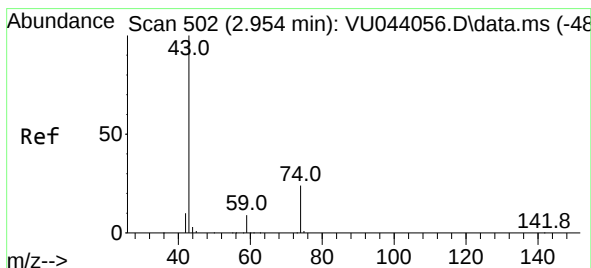
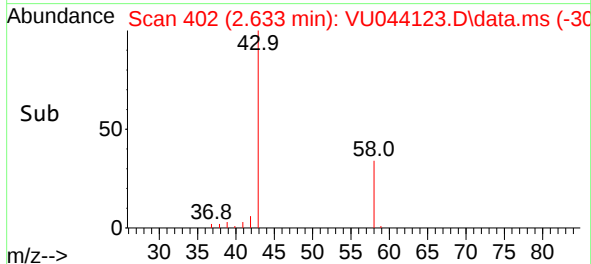
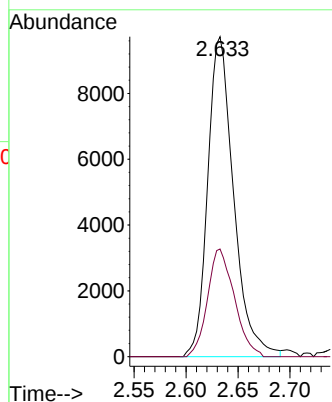
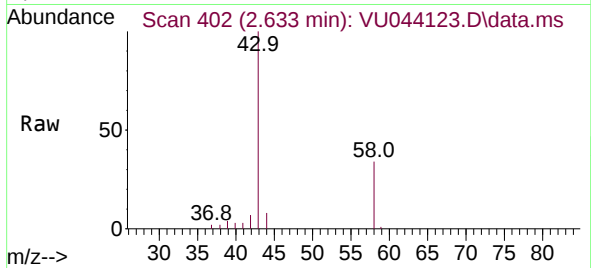




#16
Acetone
Concen: 7.453 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.004 min
Lab File: VU044123.D
Acq: 08 Jun 2021 19:17

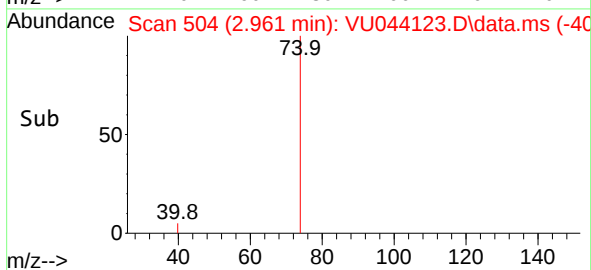
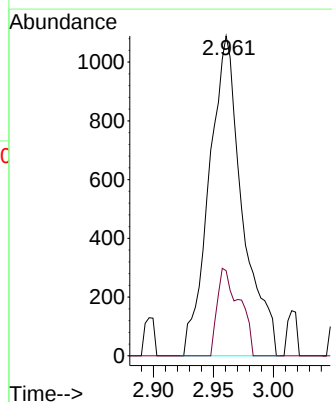
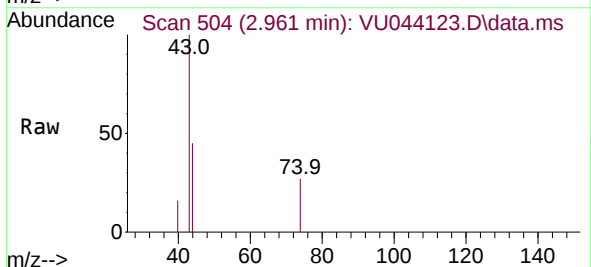
Instrument :
MSVOA_U
ClientSampled :

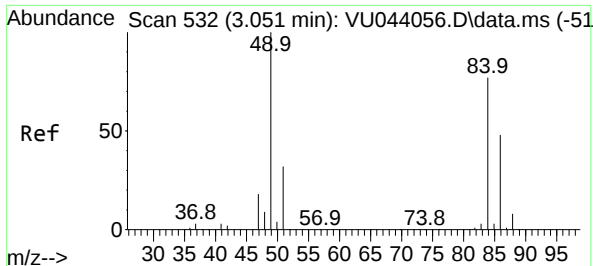
Tgt Ion: 43 Resp: 16836
Ion Ratio Lower Upper
43 100
58 33.6 27.7 41.5



#18
Methyl Acetate
Concen: 0.421 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.007 min
Lab File: VU044123.D
Acq: 08 Jun 2021 19:17

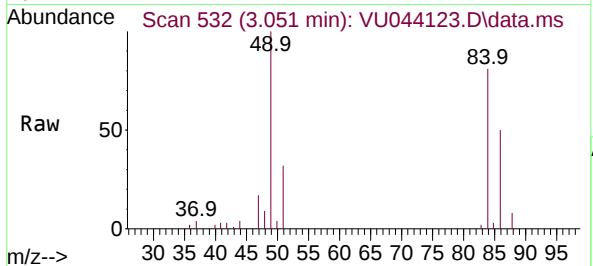
Tgt Ion: 43 Resp: 2095
Ion Ratio Lower Upper
43 100
74 18.2 18.7 28.1#



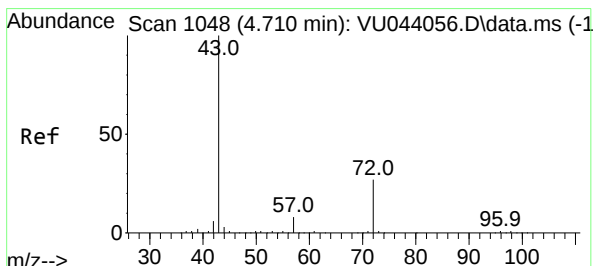
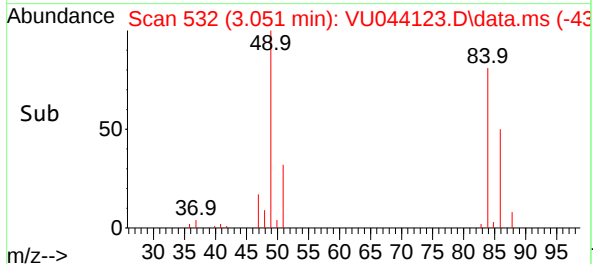
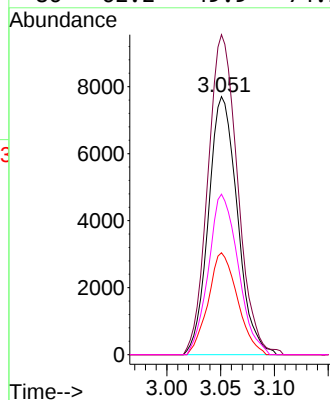


#20
Methylene Chloride
Concen: 2.640 ug/l
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU044123.D
Acq: 08 Jun 2021 19:17

Instrument :
MSVOA_U
ClientSampled :

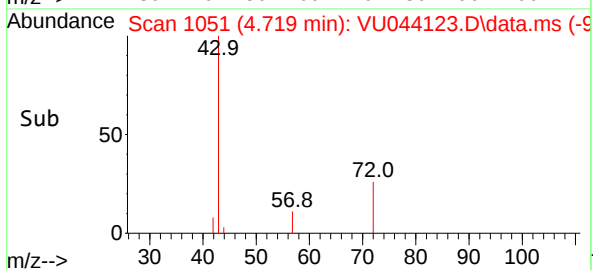
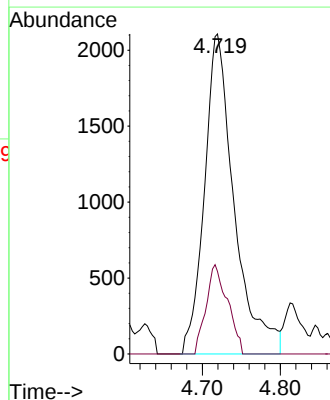
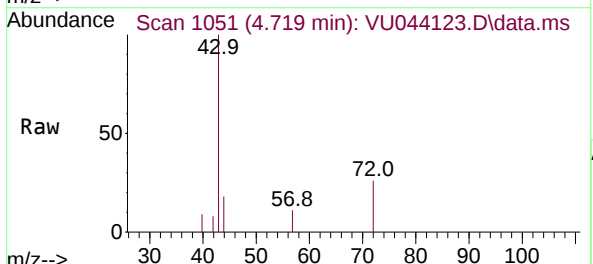


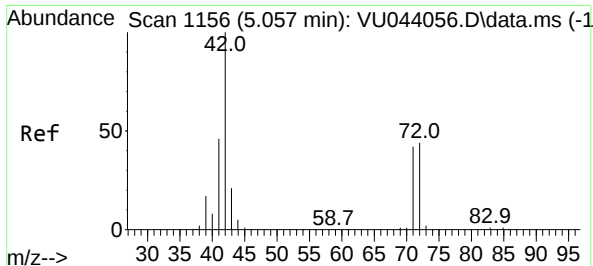
Tgt Ion:	84	Resp:	14394
Ion	Ratio	Lower	Upper
84	100		
49	124.0	103.6	155.4
51	39.5	32.8	49.2
86	62.2	49.9	74.9



#25
2-Butanone
Concen: 1.736 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. 0.009 min
Lab File: VU044123.D
Acq: 08 Jun 2021 19:17

Tgt Ion:	43	Resp:	5595
Ion	Ratio	Lower	Upper
43	100		
72	25.8	21.4	32.2





#29

Tetrahydrofuran

Concen: 1.026 ug/l

RT: 5.063 min Scan# 1158

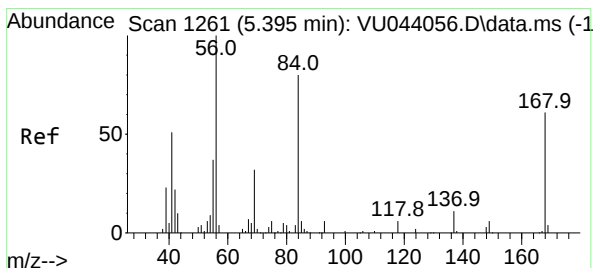
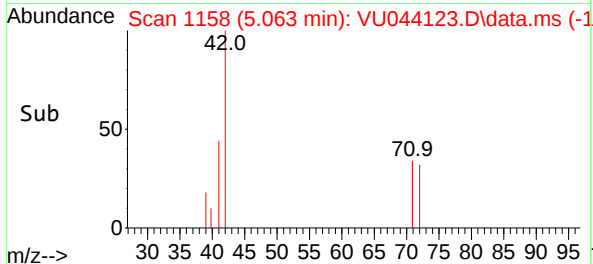
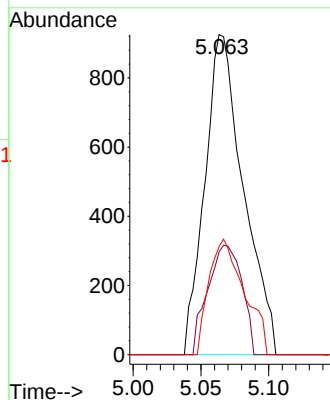
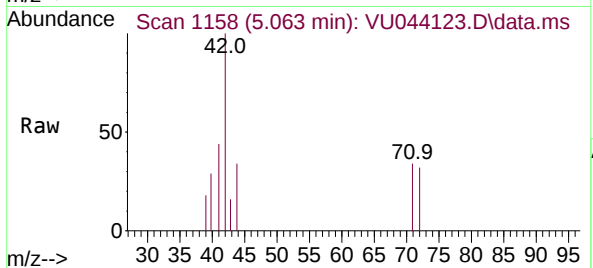
Delta R.T. 0.006 min

Lab File: VU044123.D

Acq: 08 Jun 2021 19:17

Tgt Ion:	42	Resp:	1835
Ion	Ratio	Lower	Upper
42	100		
72	30.2	35.6	53.4#
71	33.0	33.3	49.9#

Instrument :
MSVOA_U
ClientSampleId :



#31

Cyclohexane

Concen: 0.943 ug/l

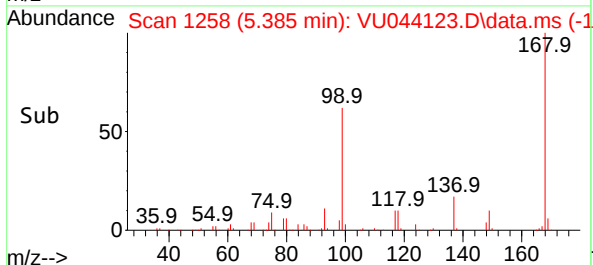
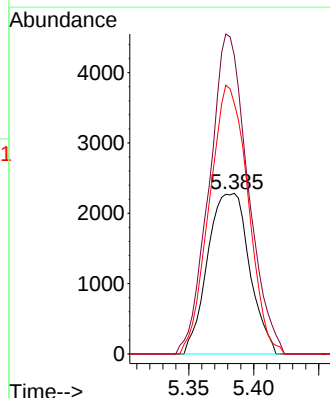
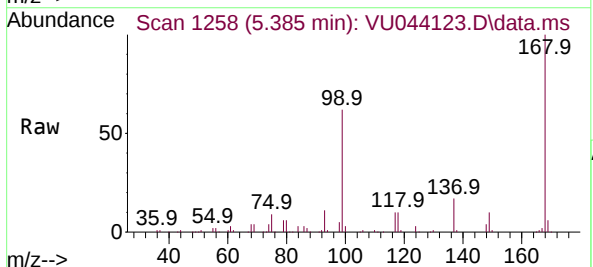
RT: 5.385 min Scan# 1258

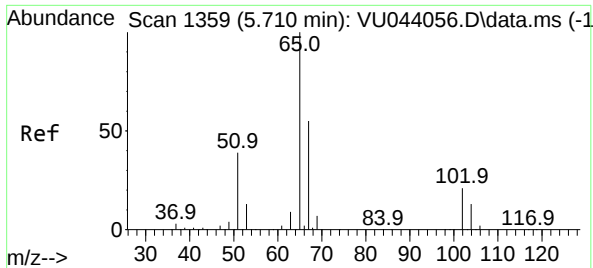
Delta R.T. -0.010 min

Lab File: VU044123.D

Acq: 08 Jun 2021 19:17

Tgt Ion:	56	Resp:	5094
Ion	Ratio	Lower	Upper
56	100		
69	180.7	25.4	38.2#
84	156.1	64.2	96.2#

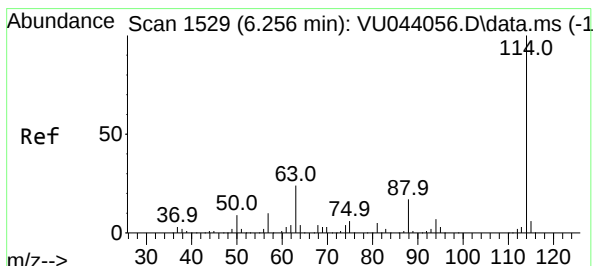
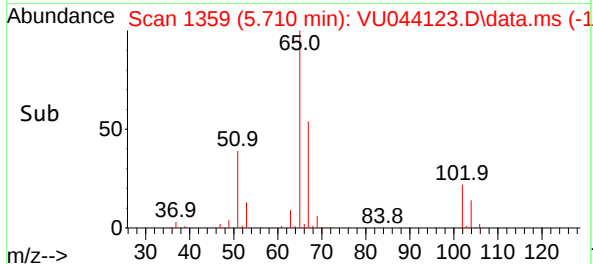
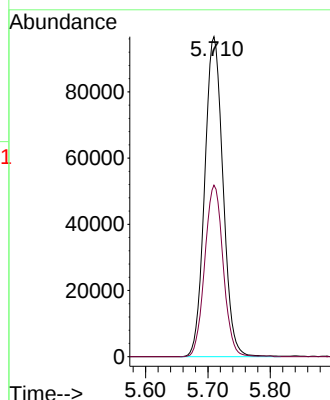
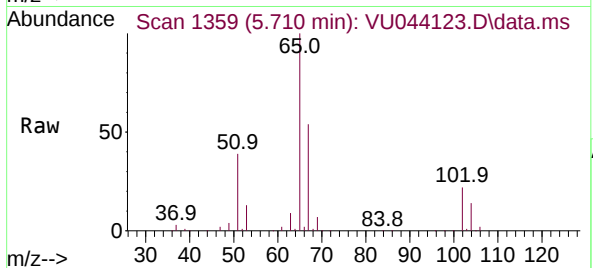




#33
1,2-Dichloroethane-d4
Concen: 50.505 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044123.D
Acq: 08 Jun 2021 19:17

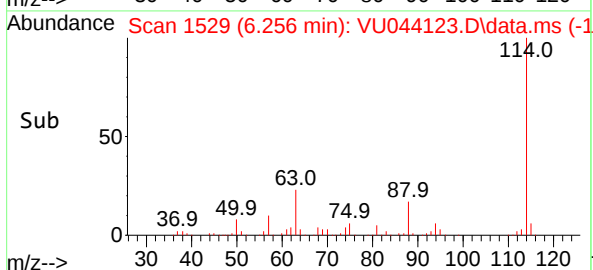
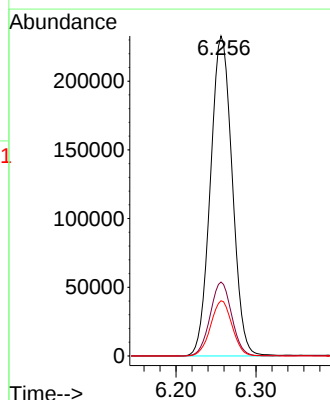
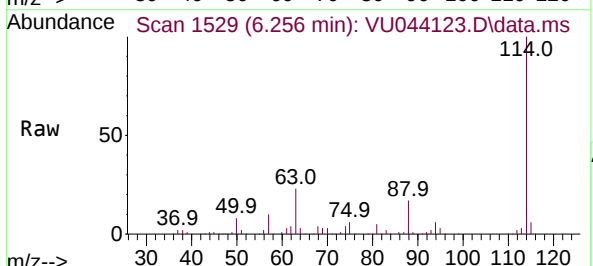
Instrument :
MSVOA_U
ClientSampled :

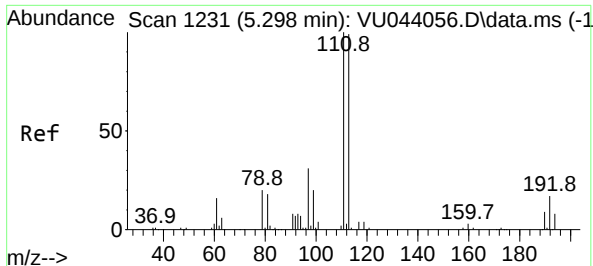
Tgt Ion: 65 Resp: 197661
Ion Ratio Lower Upper
65 100
67 53.7 0.0 109.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044123.D
Acq: 08 Jun 2021 19:17

Tgt Ion: 114 Resp: 440403
Ion Ratio Lower Upper
114 100
63 23.1 0.0 48.4
88 17.3 0.0 34.4

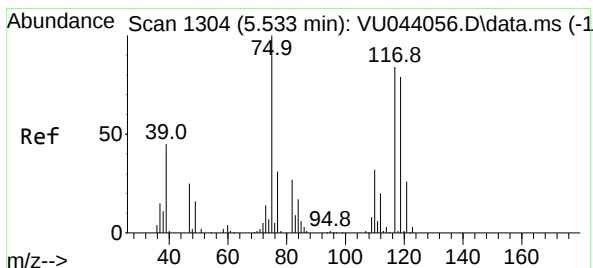
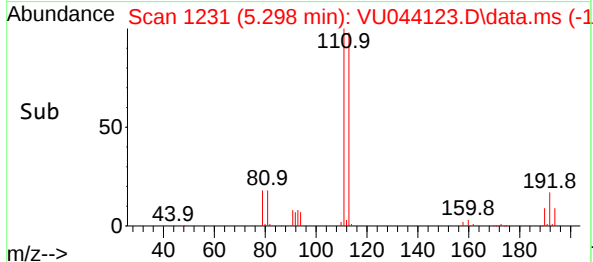
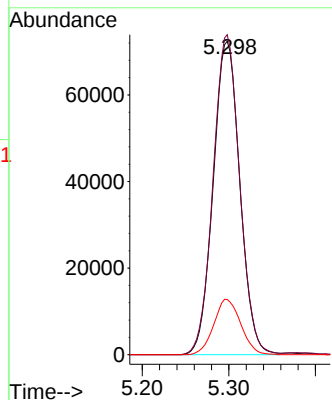
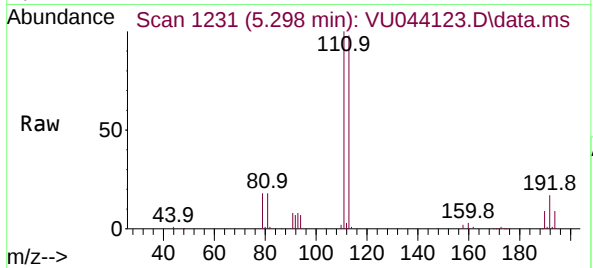




#35
Dibromofluoromethane
Concen: 49.215 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU044123.D
Acq: 08 Jun 2021 19:17

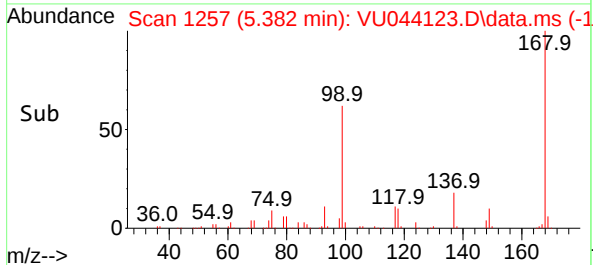
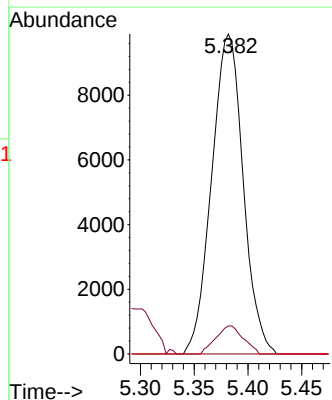
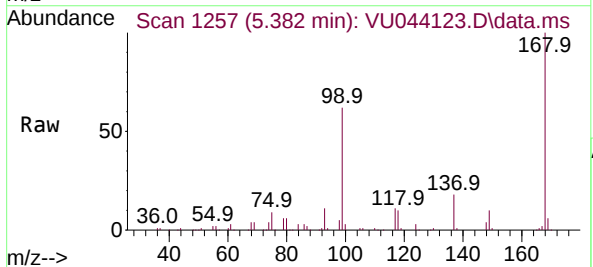
Instrument :
MSVOA_U
ClientSampleId :

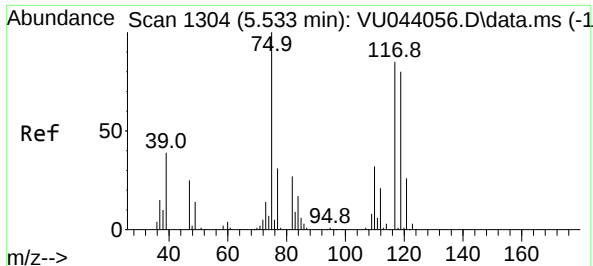
Tgt Ion:113 Resp: 154673
Ion Ratio Lower Upper
113 100
111 102.0 82.1 123.1
192 17.9 13.8 20.8



#36
1,1-Dichloropropene
Concen: 4.064 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044123.D
Acq: 08 Jun 2021 19:17

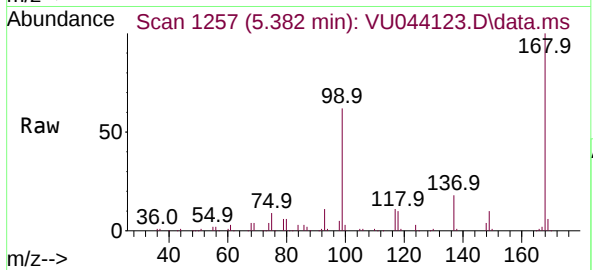
Tgt Ion: 75 Resp: 20165
Ion Ratio Lower Upper
75 100
110 7.6 15.9 47.7#
77 0.0 25.0 37.4#



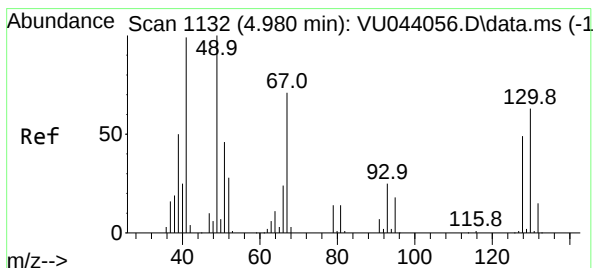
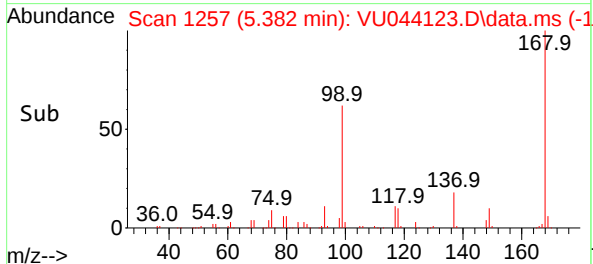
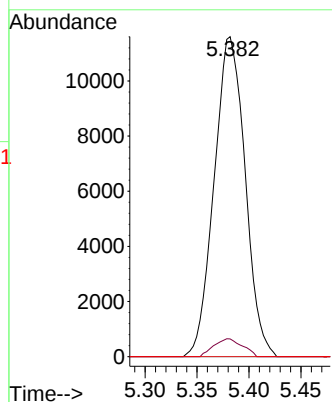


#38
Carbon Tetrachloride
Concen: 5.365 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044123.D
Acq: 08 Jun 2021 19:17

Instrument :
MSVOA_U
ClientSampleId :

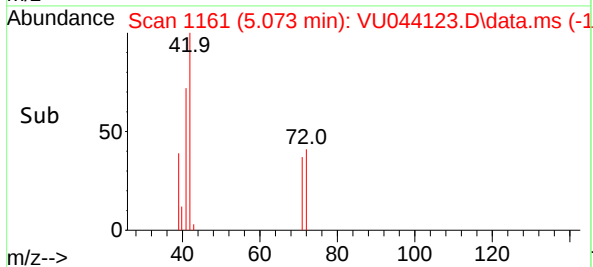
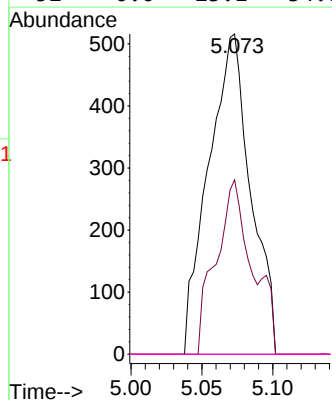
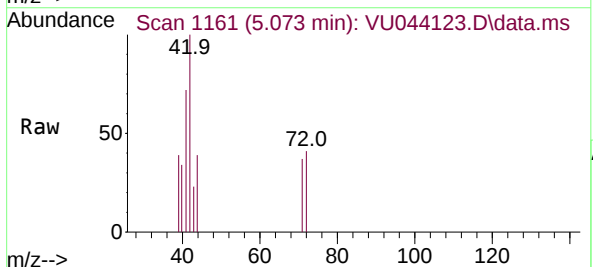


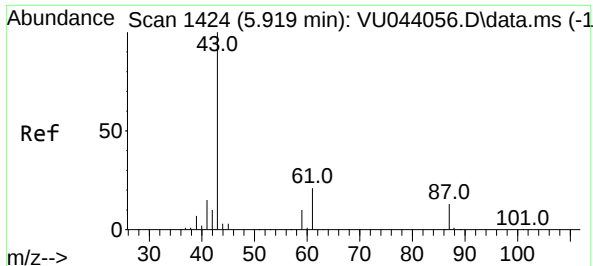
Tgt Ion:117 Resp: 24051
Ion Ratio Lower Upper
117 100
119 5.6 75.4 113.2#
121 0.0 24.5 36.7#



#41
Methacrylonitrile
Concen: 0.326 ug/l
RT: 5.073 min Scan# 1161
Delta R.T. 0.093 min
Lab File: VU044123.D
Acq: 08 Jun 2021 19:17

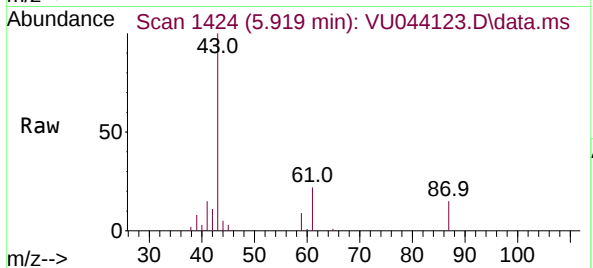
Tgt Ion: 41 Resp: 1071
Ion Ratio Lower Upper
41 100
39 40.9 41.4 62.2#
67 0.0 59.4 89.2#
52 0.0 23.1 34.7#



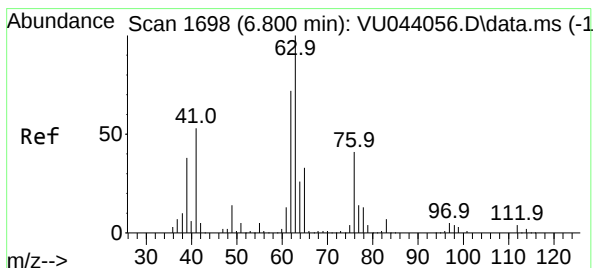
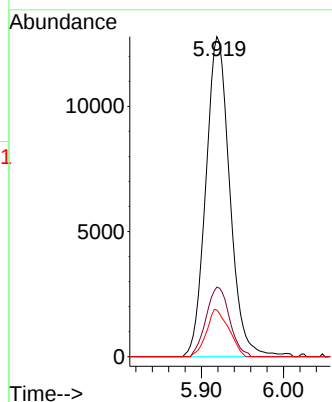
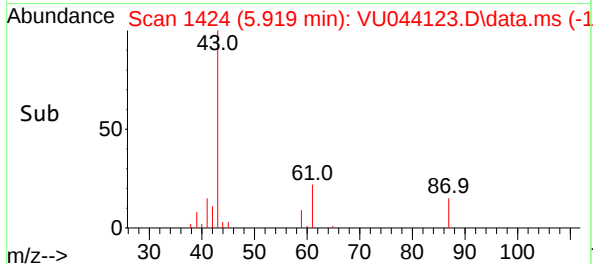


#43
Isopropyl Acetate
Concen: 2.927 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. -0.000 min
Lab File: VU044123.D
Acq: 08 Jun 2021 19:17

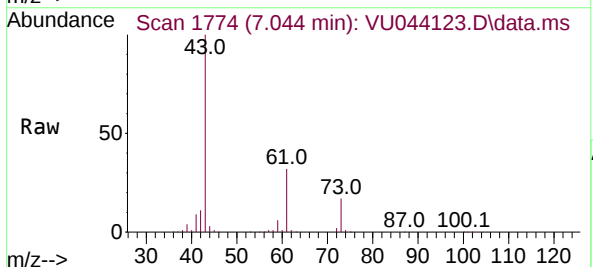
Instrument :
MSVOA_U
ClientSampled :



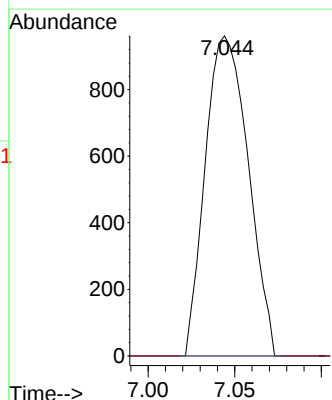
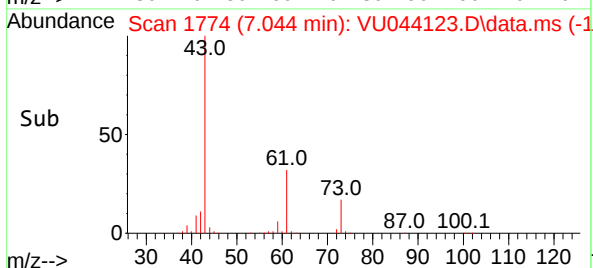
Tgt Ion: 43 Resp: 25866
Ion Ratio Lower Upper
43 100
61 21.3 16.8 25.2
87 13.7 10.2 15.2

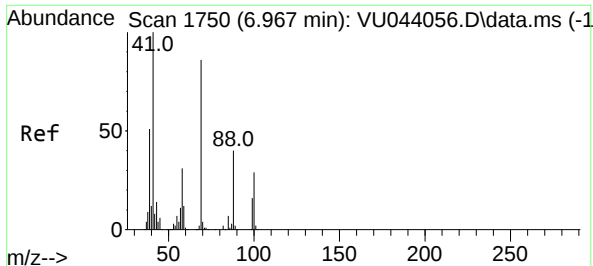


#45
1,2-Dichloropropane
Concen: 0.406 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.244 min
Lab File: VU044123.D
Acq: 08 Jun 2021 19:17



Tgt Ion: 63 Resp: 1659
Ion Ratio Lower Upper
63 100
65 0.0 26.3 39.5#





#48

Methyl methacrylate

Concen: 2.273 ug/l

RT: 6.899 min Scan# 1729

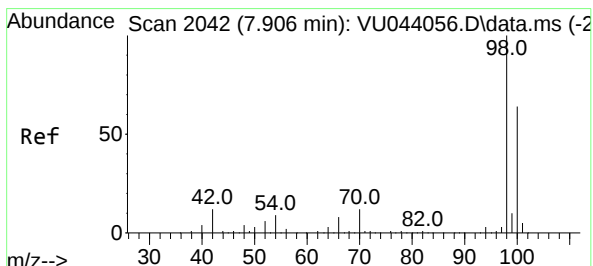
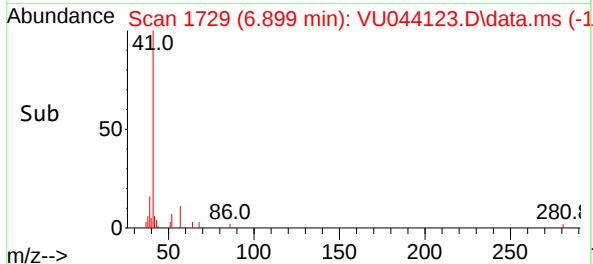
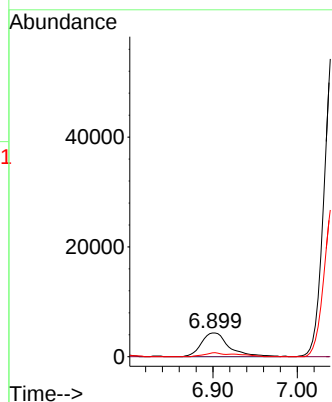
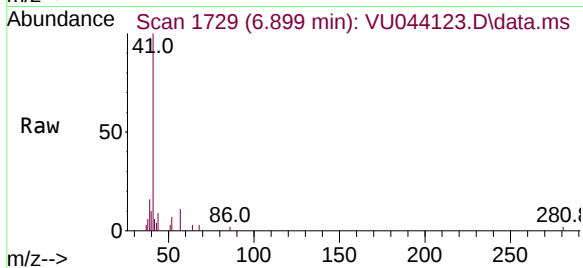
Delta R.T. -0.068 min

Lab File: VU044123.D

Acq: 08 Jun 2021 19:17

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:	41	Resp:	9905
Ion	Ratio	Lower	Upper
41	100		
69	0.0	68.9	103.3#
39	0.0	40.6	60.8#



#50

Toluene-d8

Concen: 50.594 ug/l

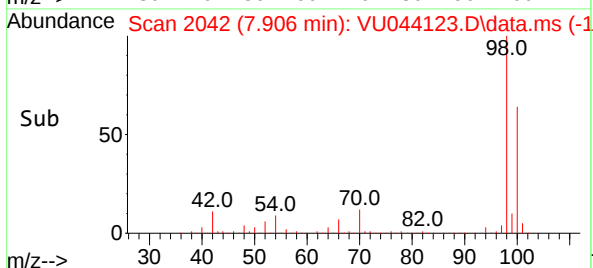
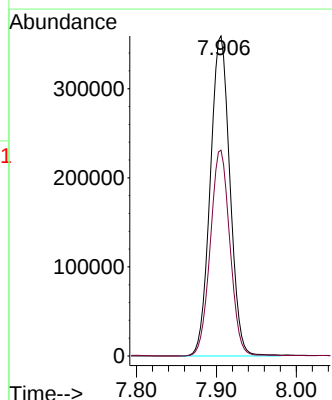
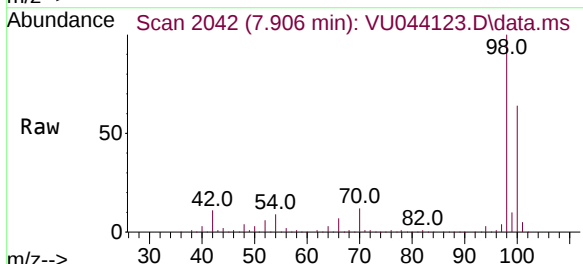
RT: 7.906 min Scan# 2042

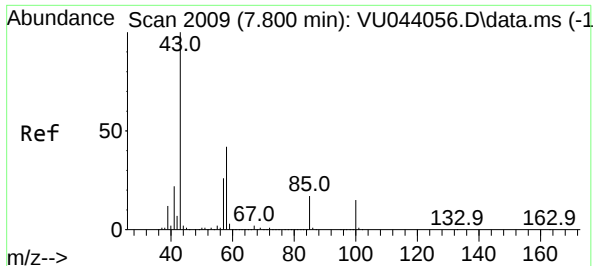
Delta R.T. -0.000 min

Lab File: VU044123.D

Acq: 08 Jun 2021 19:17

Tgt Ion:	98	Resp:	613329
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.6	77.4

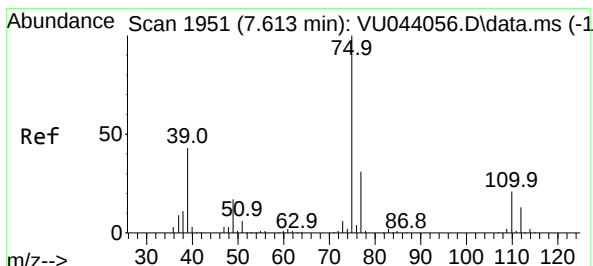
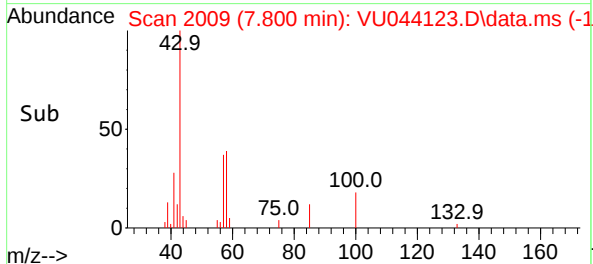
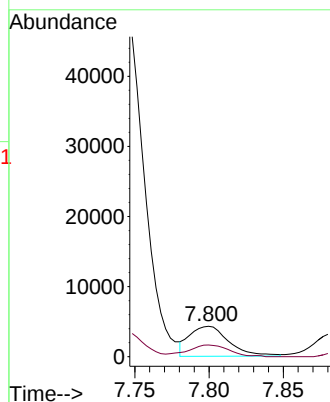
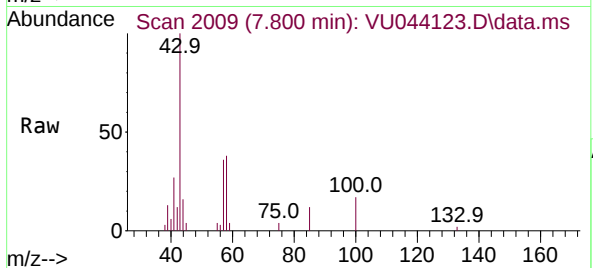




#51
4-Methyl-2-Pentanone
Concen: 1.204 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VU044123.D
Acq: 08 Jun 2021 19:17

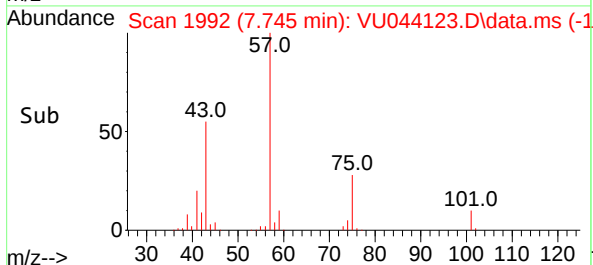
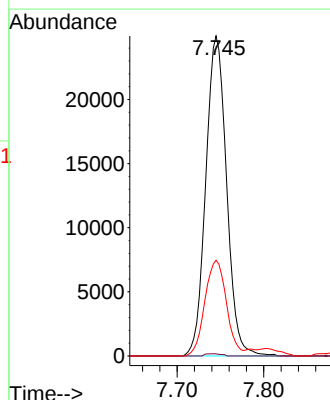
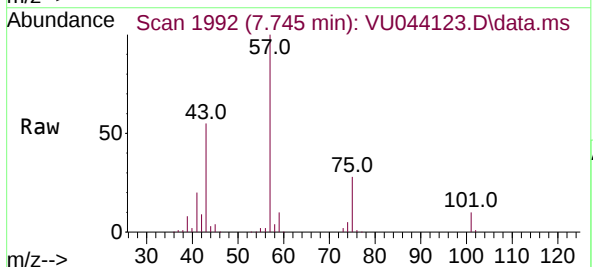
Instrument :
MSVOA_U
ClientSampled :

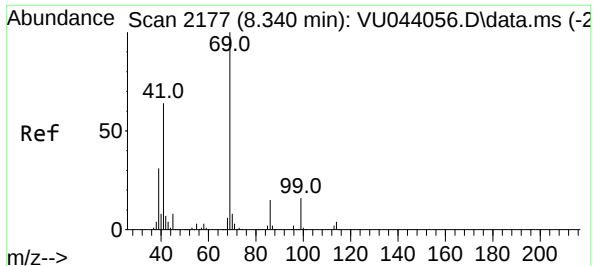
Tgt Ion: 43 Resp: 7905
Ion Ratio Lower Upper
43 100
58 40.7 33.3 49.9



#54
cis-1,3-Dichloropropene
Concen: 6.864 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. 0.132 min
Lab File: VU044123.D
Acq: 08 Jun 2021 19:17

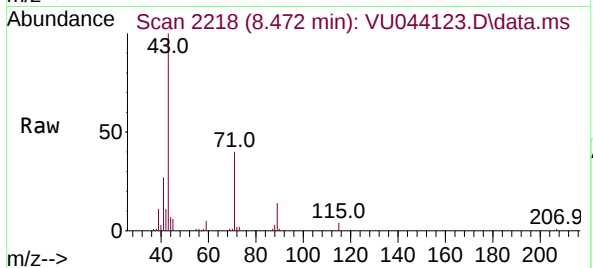
Tgt Ion: 75 Resp: 41647
Ion Ratio Lower Upper
75 100
77 0.6 25.0 37.4#
39 29.9 34.7 52.1#



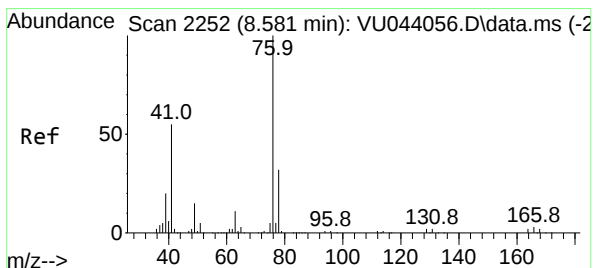
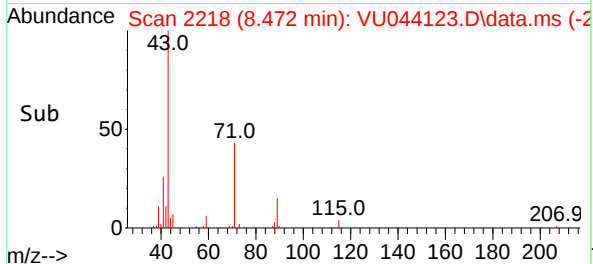
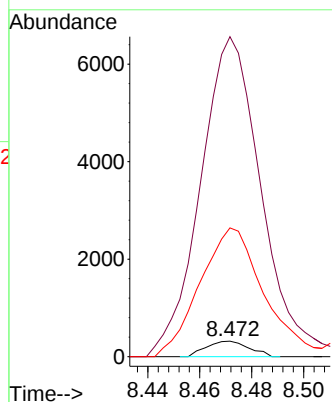


#56
Ethyl methacrylate
Concen: 3.437 ug/l
RT: 8.472 min Scan# 2218
Delta R.T. 0.132 min
Lab File: VU044123.D
Acq: 08 Jun 2021 19:17

Instrument :
MSVOA_U
ClientSampleId :

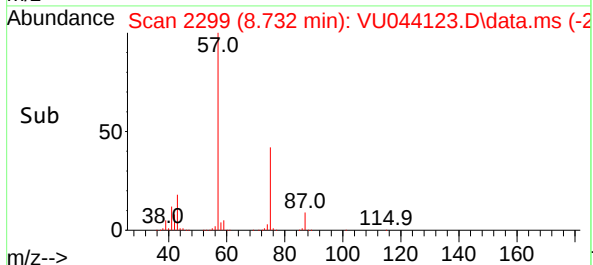
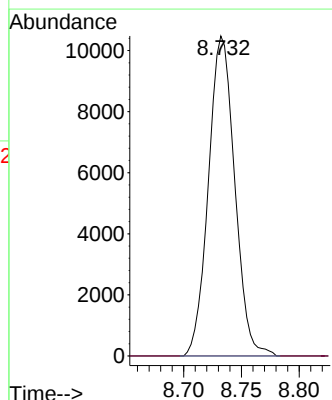
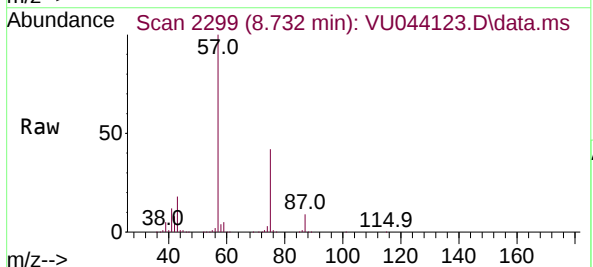


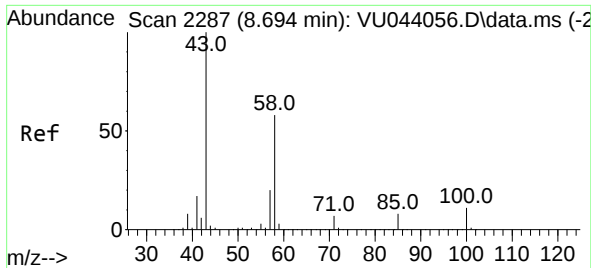
Tgt Ion: 69 Resp: 362
Ion Ratio Lower Upper
69 100
41 2981.8 51.4 77.0#
39 1279.0 24.9 37.3#



#57
1,3-Dichloropropane
Concen: 2.487 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.151 min
Lab File: VU044123.D
Acq: 08 Jun 2021 19:17

Tgt Ion: 76 Resp: 16615
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

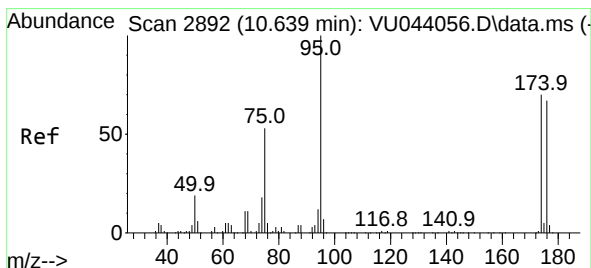
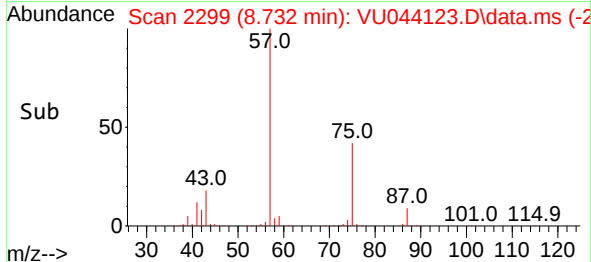
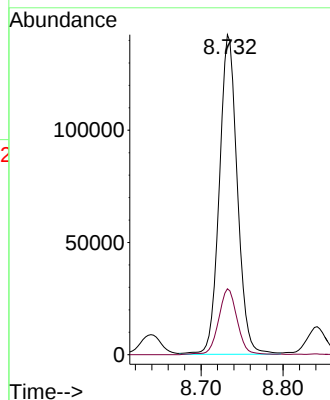
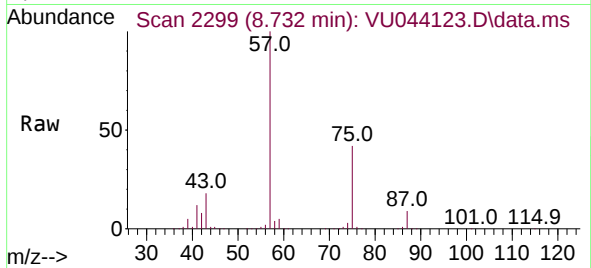




#59
2-Hexanone
Concen: 42.711 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.038 min
Lab File: VU044123.D
Acq: 08 Jun 2021 19:17

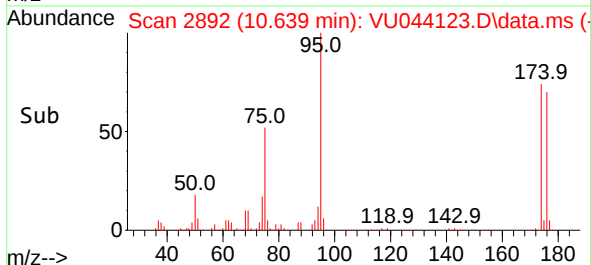
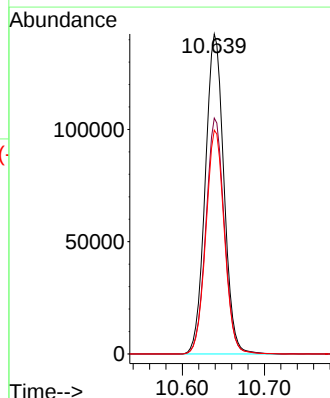
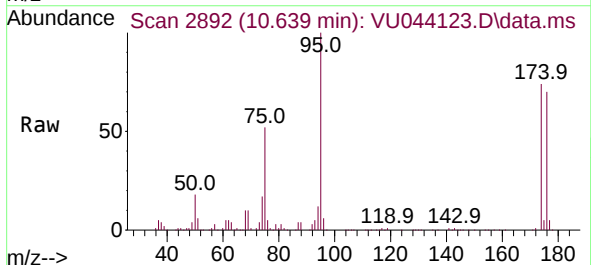
Instrument :
MSVOA_U
ClientSampled :

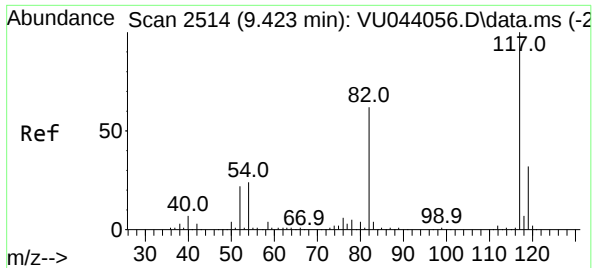
Tgt Ion: 43 Resp: 217856
Ion Ratio Lower Upper
43 100
58 21.3 29.0 87.1#



#62
4-Bromofluorobenzene
Concen: 46.672 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044123.D
Acq: 08 Jun 2021 19:17

Tgt Ion: 95 Resp: 224001
Ion Ratio Lower Upper
95 100
174 73.2 0.0 141.0
176 69.7 0.0 135.2

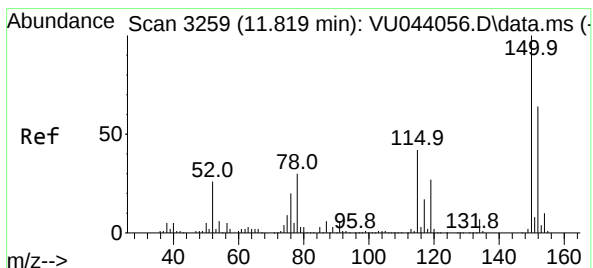
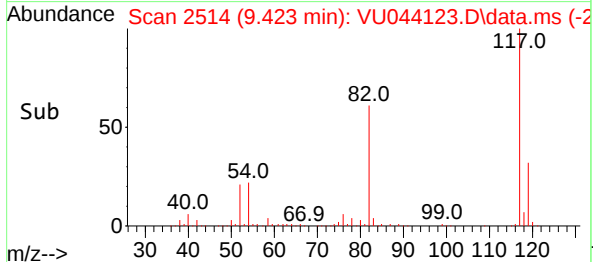
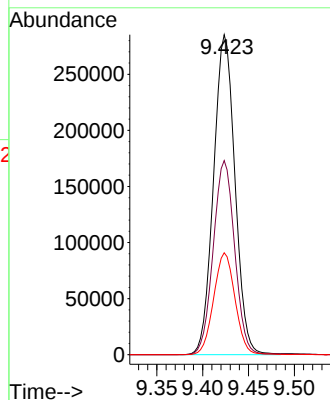
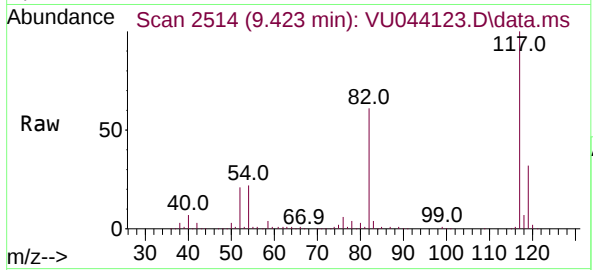




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU044123.D
Acq: 08 Jun 2021 19:17

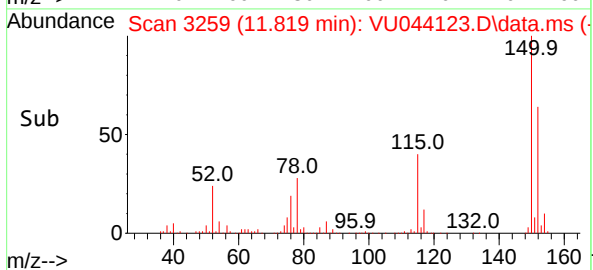
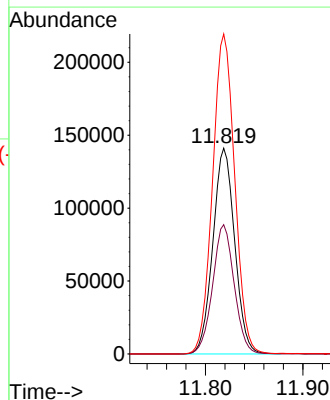
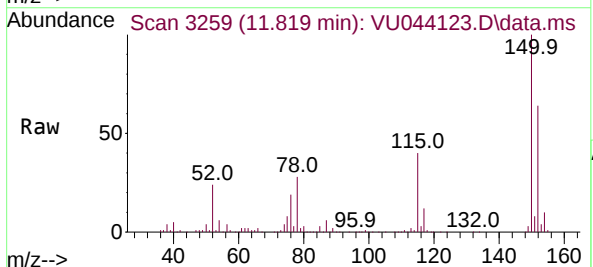
Instrument :
MSVOA_U
ClientSampleId :

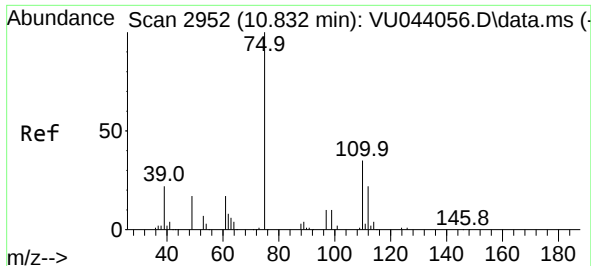
Tgt Ion:117 Resp: 463927
Ion Ratio Lower Upper
117 100
82 60.6 50.0 75.0
119 31.9 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU044123.D
Acq: 08 Jun 2021 19:17

Tgt Ion:152 Resp: 219272
Ion Ratio Lower Upper
152 100
115 62.2 44.6 134.0
150 157.6 0.0 347.8

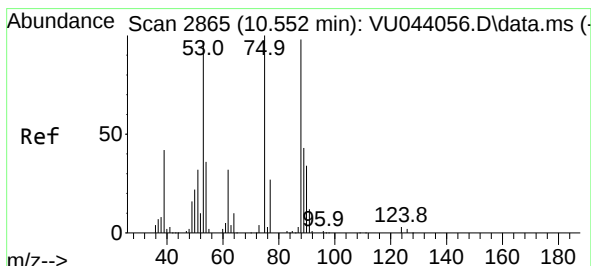
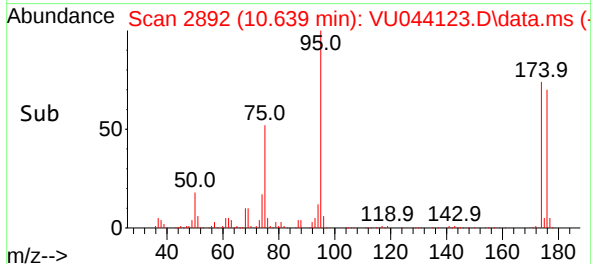
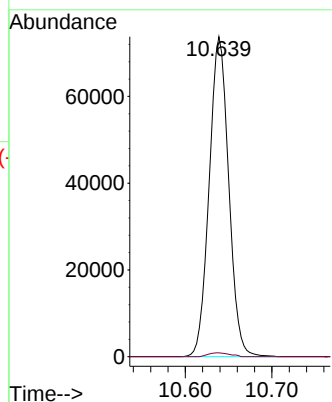
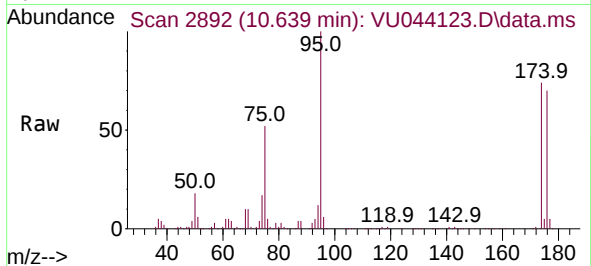




#76
1,2,3-Trichloropropane
Concen: 18.843 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU044123.D
Acq: 08 Jun 2021 19:17

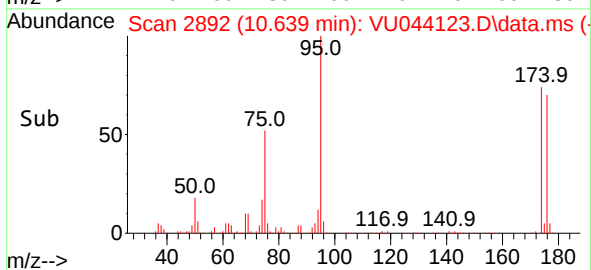
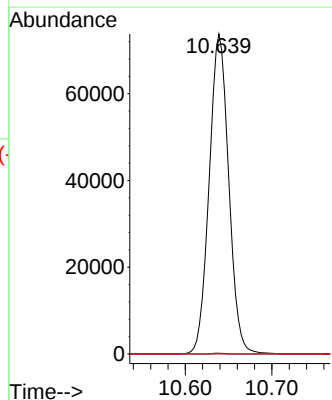
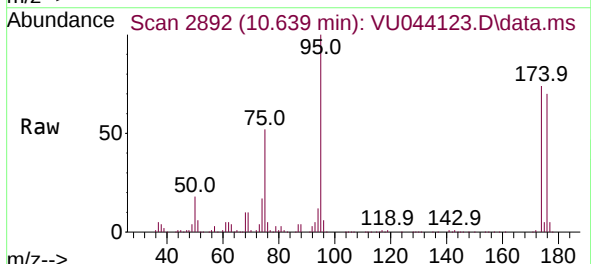
Instrument :
MSVOA_U
ClientSampled :

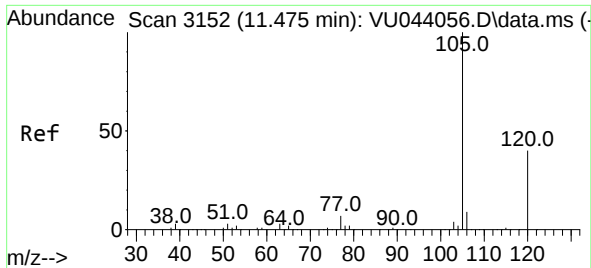
Tgt Ion: 75 Resp: 115585
Ion Ratio Lower Upper
75 100
77 1.3 16.9 50.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.023 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044123.D
Acq: 08 Jun 2021 19:17

Tgt Ion: 75 Resp: 115585
Ion Ratio Lower Upper
75 100
53 0.1 76.9 115.3#
89 0.0 33.8 50.8#

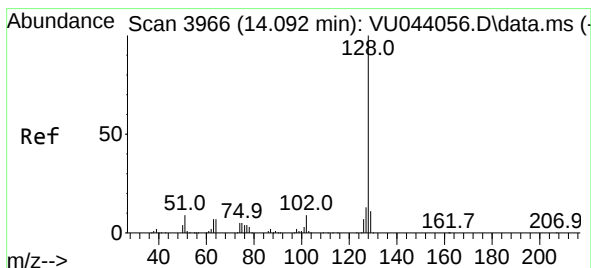
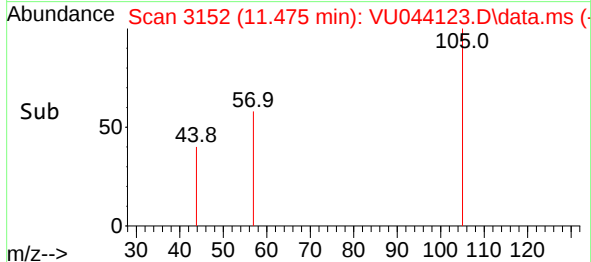
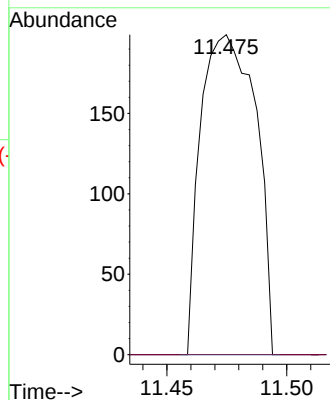
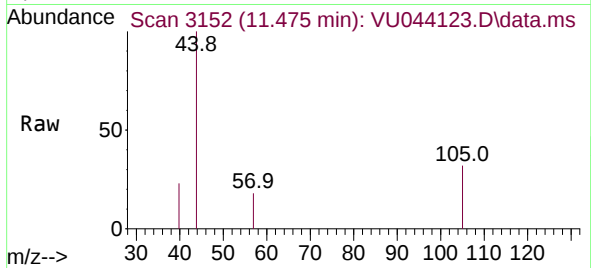




#84
1,2,4-Trimethylbenzene
Concen: 0.971 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VU044123.D
Acq: 08 Jun 2021 19:17

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:105 Resp: 317
Ion Ratio Lower Upper
105 100
120 0.0 21.9 65.7#



#95
Naphthalene
Concen: 3.210 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU044123.D
Acq: 08 Jun 2021 19:17

Tgt Ion:128 Resp: 5784
Ion Ratio Lower Upper
128 100
127 11.8 10.2 15.4
129 10.1 8.7 13.1

