

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060821\
 Data File : VU044119.D
 Acq On : 08 Jun 2021 17:43
 Operator : SY/MD
 Sample : M25280-22
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 08 23:14:35 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)

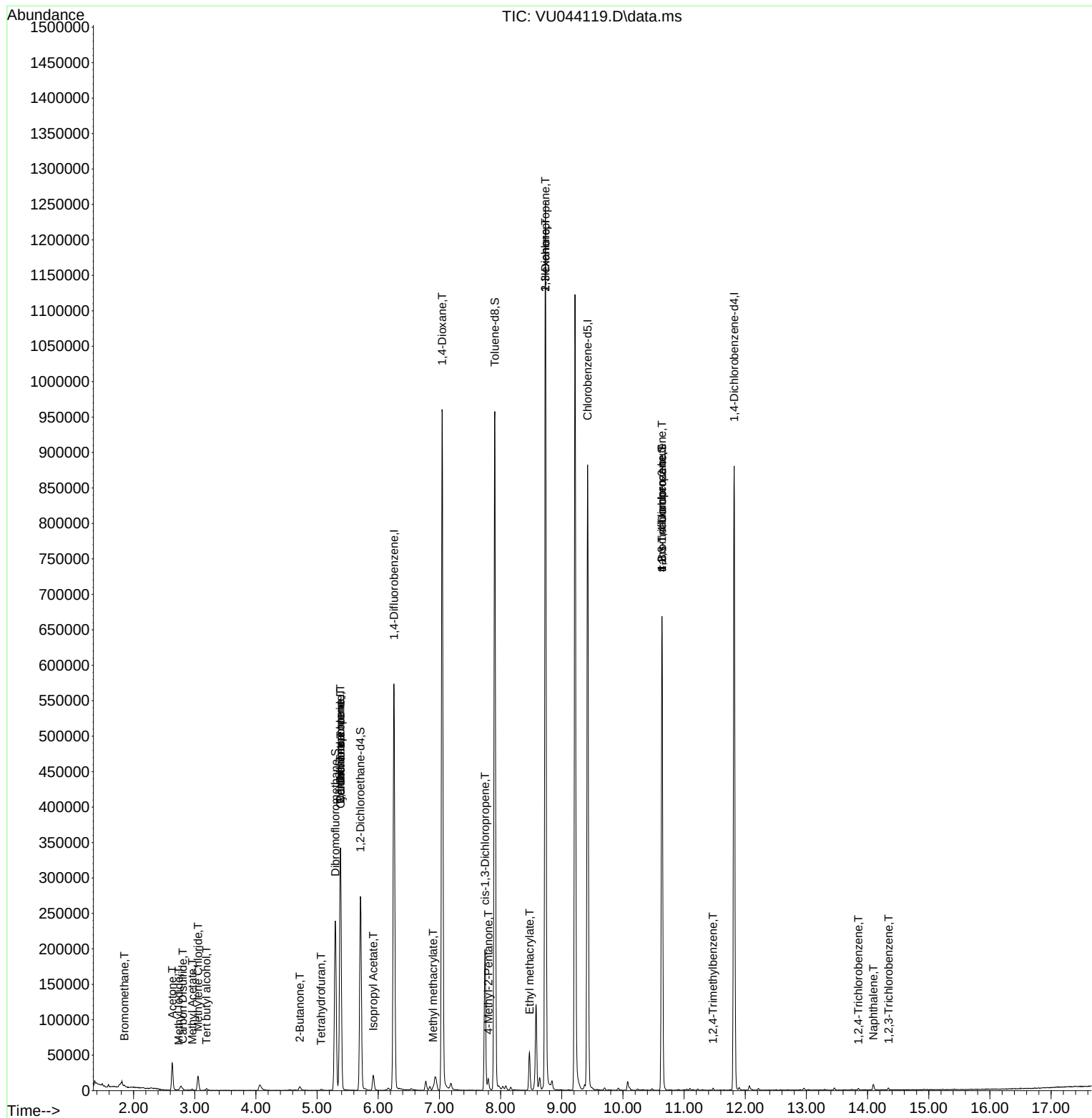
Internal Standards						
1) Pentafluorobenzene	5.382	168	223969	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	442655	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	467423	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	219267	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	200159	51.315	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.640%	
35) Dibromofluoromethane	5.298	113	157291	49.793	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.580%	
50) Toluene-d8	7.906	98	612291	50.252	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.500%	
62) 4-Bromofluorobenzene	10.639	95	225010	46.643	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.280%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	1039	Below Cal	#	84
5) Bromomethane	1.851	94	792	0.461	ug/l #	75
10) Methyl Iodide	2.739	142	916	0.273	ug/l #	87
11) Tert butyl alcohol	3.192	59	2050	2.120	ug/l #	72
16) Acetone	2.633	43	41631	18.492	ug/l	96
17) Carbon Disulfide	2.803	76	1940	0.211	ug/l #	82
18) Methyl Acetate	2.961	43	1782	0.359	ug/l	92
20) Methylene Chloride	3.054	84	9399	1.123	ug/l	93
25) 2-Butanone	4.716	43	8487	2.642	ug/l	93
29) Tetrahydrofuran	5.067	42	1193	0.669	ug/l #	55
31) Cyclohexane	5.385	56	5486	1.019	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	19996	4.010	ug/l #	50
38) Carbon Tetrachloride	5.382	117	24458	5.428	ug/l #	17
43) Isopropyl Acetate	5.919	43	22000	2.476	ug/l	100
48) Methyl methacrylate	6.896	41	6800	1.552	ug/l #	14
49) 1,4-Dioxane	7.044	88	43	0.399	ug/l #	1
51) 4-Methyl-2-Pentanone	7.800	43	10360	1.570	ug/l	92
54) cis-1,3-Dichloropropene	7.745	75	34818	5.709	ug/l #	66
56) Ethyl methacrylate	8.478	69	305	3.429	ug/l #	1
57) 1,3-Dichloropropane	8.732	76	12865	1.916	ug/l #	42
59) 2-Hexanone	8.732	43	162259	31.649	ug/l #	52
76) 1,2,3-Trichloropropane	10.639	75	115314	18.800	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.639	75	115314	54.895	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.475	105	1632	1.062	ug/l	97
93) 1,2,4-Trichlorobenzene	13.848	180	907	0.220	ug/l	92
95) Naphthalene	14.095	128	7390	3.312	ug/l	94
96) 1,2,3-Trichlorobenzene	14.343	180	936	0.236	ug/l	90

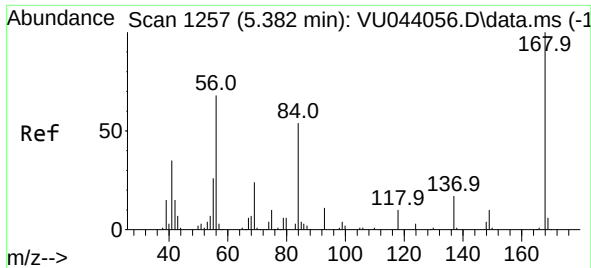
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060821\
Data File : VU044119.D
Acq On : 08 Jun 2021 17:43
Operator : SY/MD
Sample : M25280-22
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jun 08 23:14:35 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

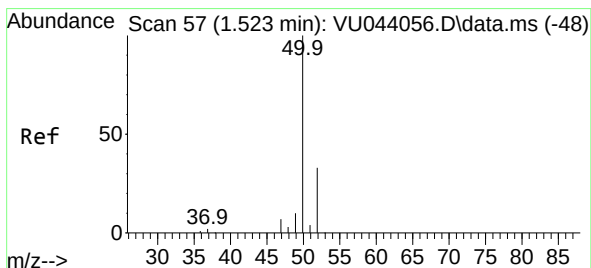
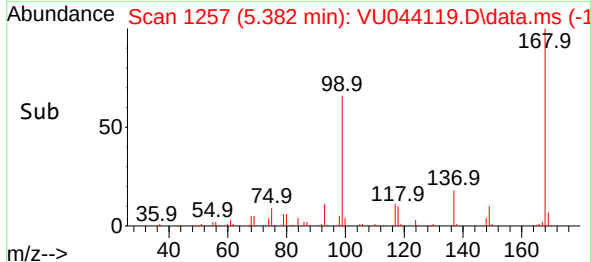
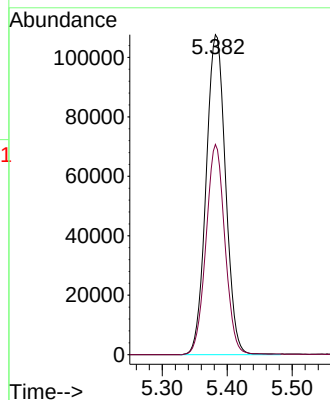
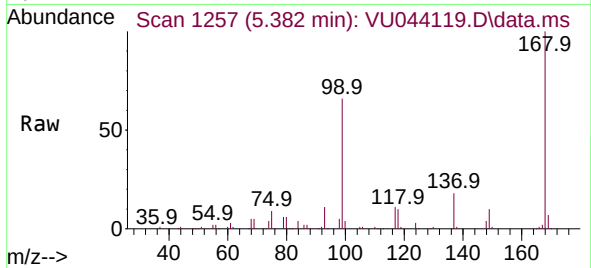




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044119.D
Acq: 08 Jun 2021 17:43

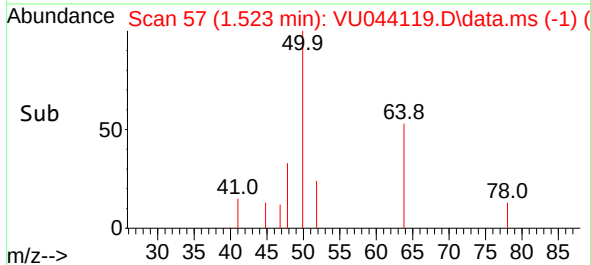
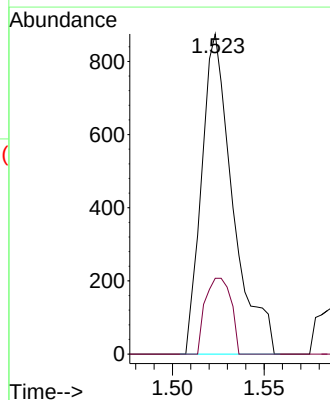
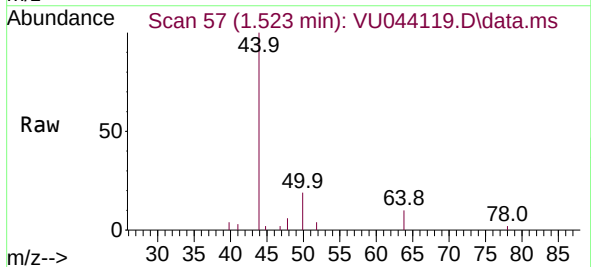
Instrument :
MSVOA_U
ClientSampleId :

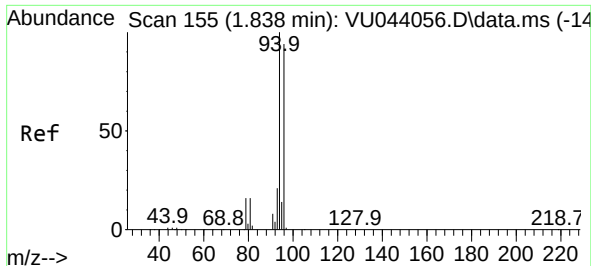
Tgt Ion:168 Resp: 223969
Ion Ratio Lower Upper
168 100
99 65.7 52.6 78.8



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU044119.D
Acq: 08 Jun 2021 17:43

Tgt Ion: 50 Resp: 1039
Ion Ratio Lower Upper
50 100
52 23.7 26.2 39.2#

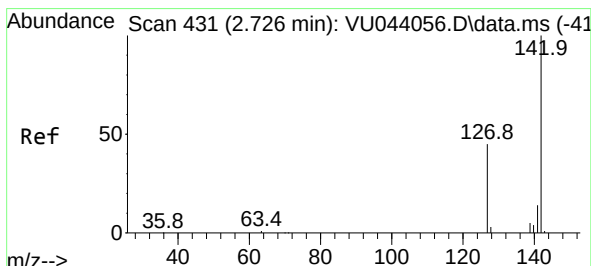
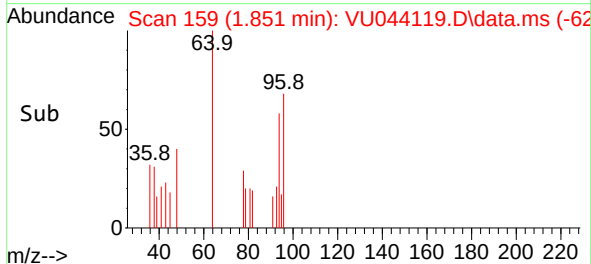
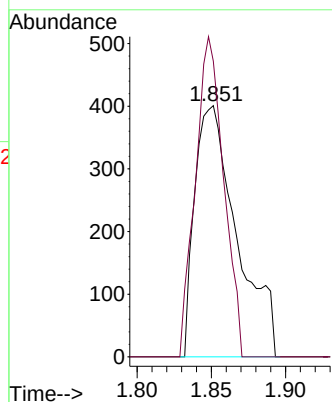
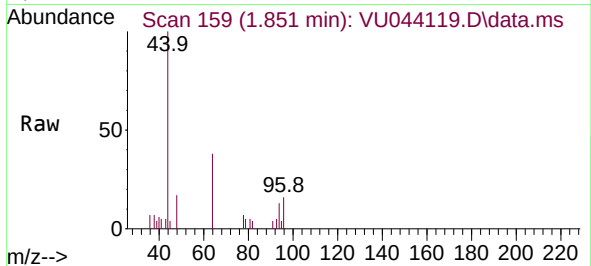




#5
Bromomethane
Concen: 0.461 ug/l
RT: 1.851 min Scan# 159
Delta R.T. 0.013 min
Lab File: VU044119.D
Acq: 08 Jun 2021 17:43

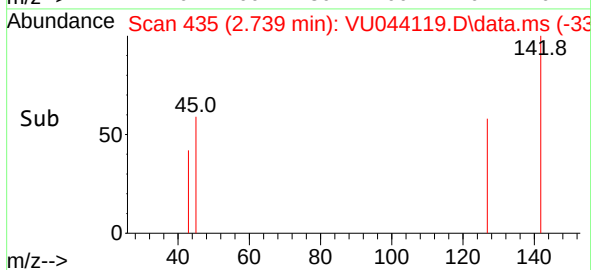
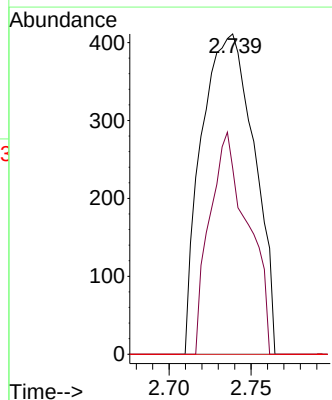
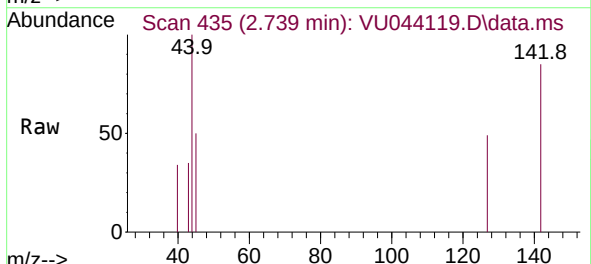
Instrument :
MSVOA_U
ClientSampleId :

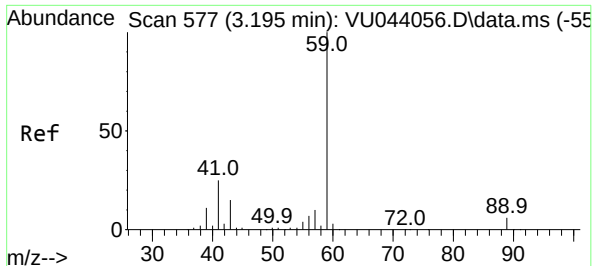
Tgt Ion: 94 Resp: 792
Ion Ratio Lower Upper
94 100
96 117.7 74.8 112.2#



#10
Methyl Iodide
Concen: 0.273 ug/l
RT: 2.739 min Scan# 435
Delta R.T. 0.013 min
Lab File: VU044119.D
Acq: 08 Jun 2021 17:43

Tgt Ion: 142 Resp: 916
Ion Ratio Lower Upper
142 100
127 50.4 37.0 55.4
141 0.0 11.5 17.3#

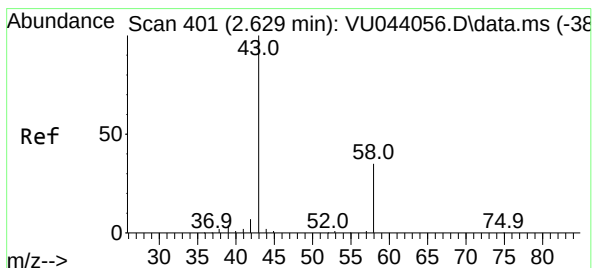
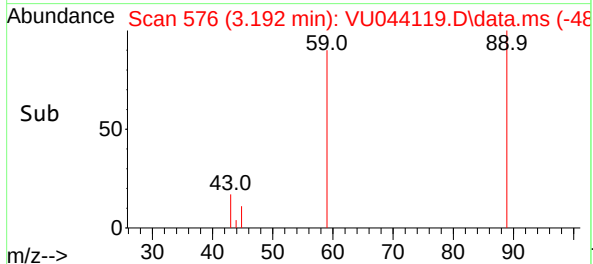
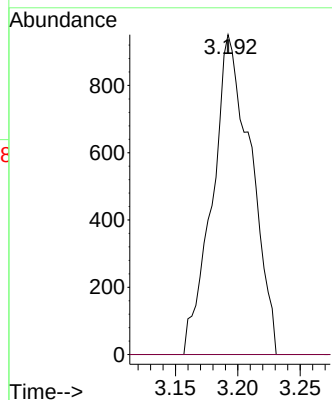
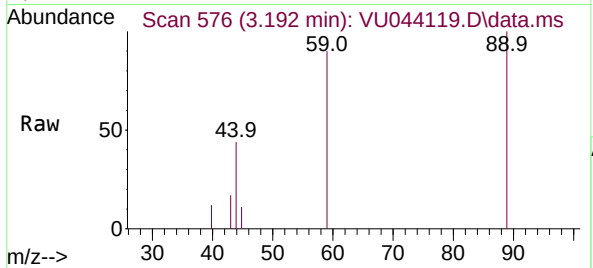




#11
Tert butyl alcohol
Concen: 2.120 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.003 min
Lab File: VU044119.D
Acq: 08 Jun 2021 17:43

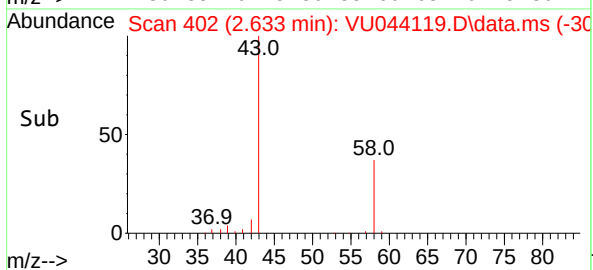
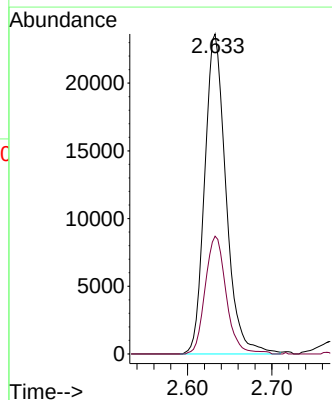
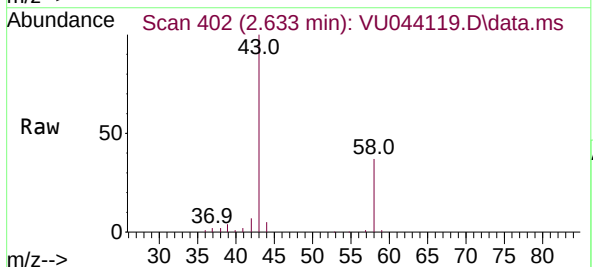
Instrument :
MSVOA_U
ClientSampleId :

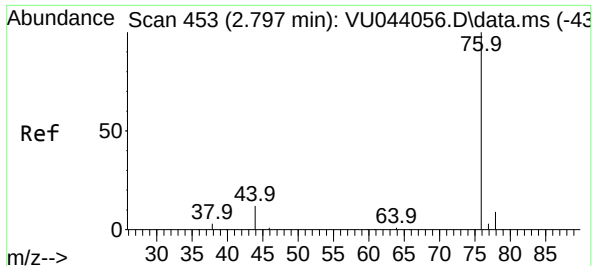
Tgt Ion: 59 Resp: 2050
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 18.492 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.004 min
Lab File: VU044119.D
Acq: 08 Jun 2021 17:43

Tgt Ion: 43 Resp: 41631
Ion Ratio Lower Upper
43 100
58 36.8 27.7 41.5

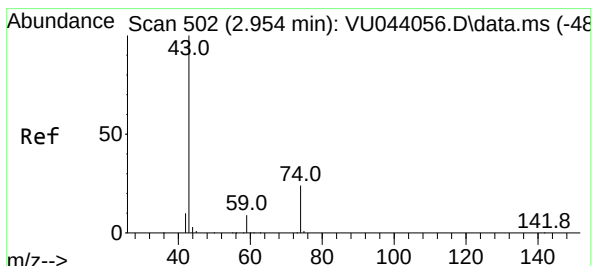
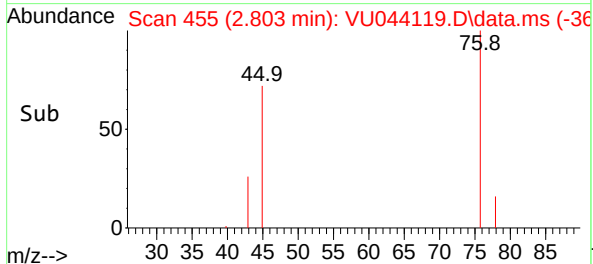
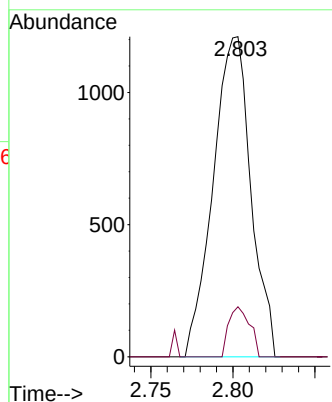
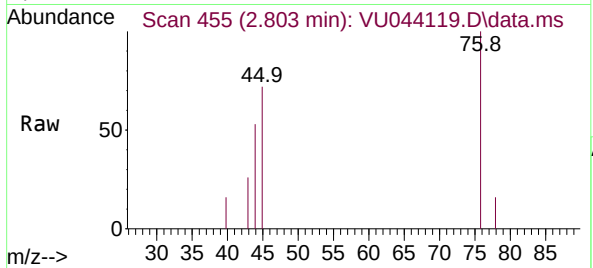




#17
Carbon Disulfide
Concen: 0.211 ug/l
RT: 2.803 min Scan# 455
Delta R.T. 0.006 min
Lab File: VU044119.D
Acq: 08 Jun 2021 17:43

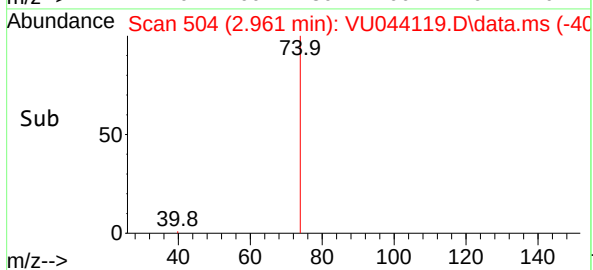
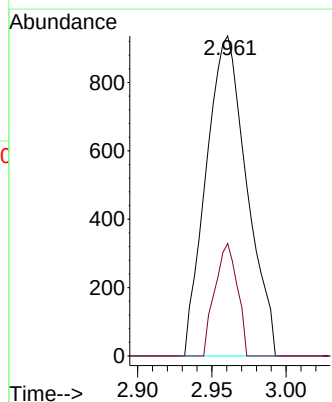
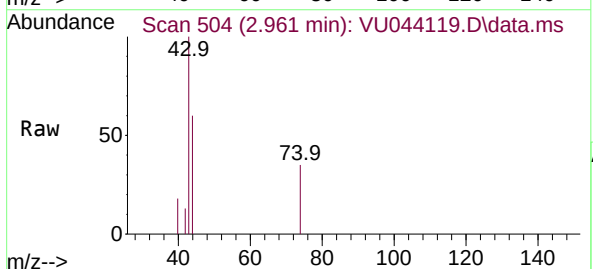
Instrument :
MSVOA_U
ClientSampled :

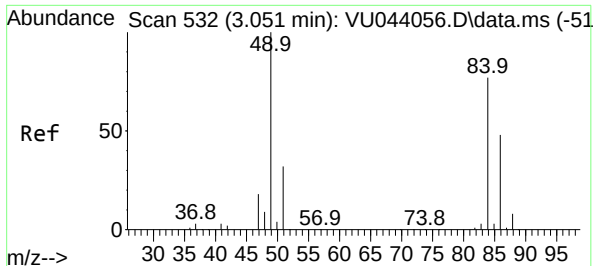
Tgt Ion: 76 Resp: 1940
Ion Ratio Lower Upper
76 100
78 15.6 7.2 10.8#



#18
Methyl Acetate
Concen: 0.359 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.007 min
Lab File: VU044119.D
Acq: 08 Jun 2021 17:43

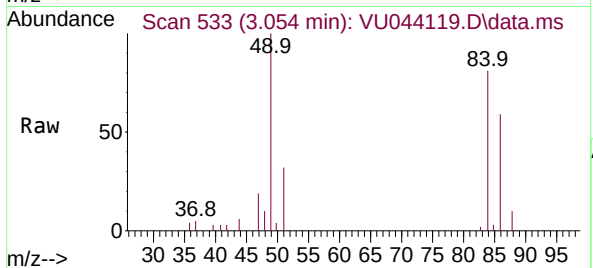
Tgt Ion: 43 Resp: 1782
Ion Ratio Lower Upper
43 100
74 19.3 18.7 28.1



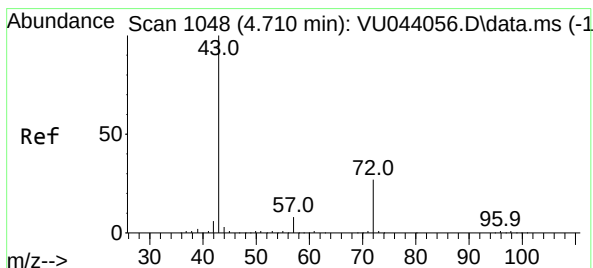
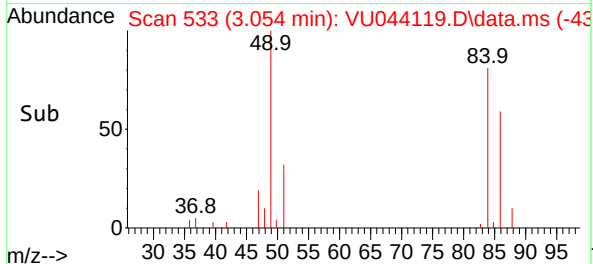
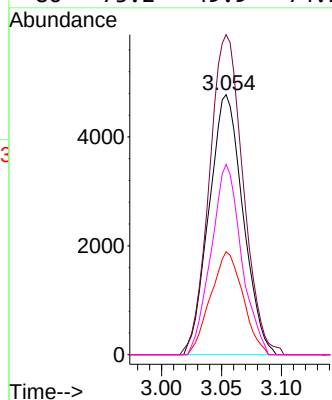


#20
Methylene Chloride
Concen: 1.123 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU044119.D
Acq: 08 Jun 2021 17:43

Instrument :
MSVOA_U
ClientSampleId :

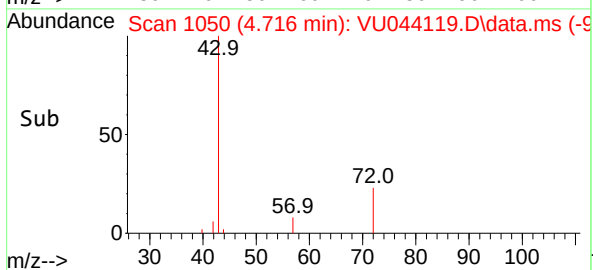
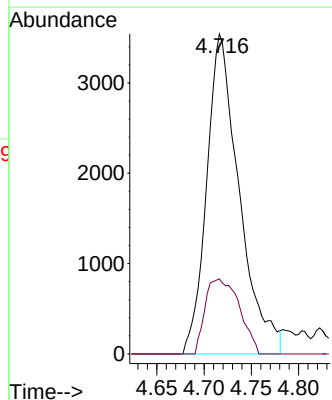
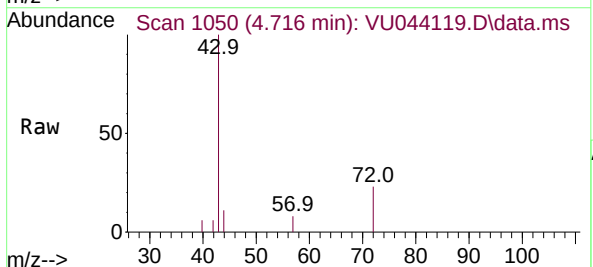


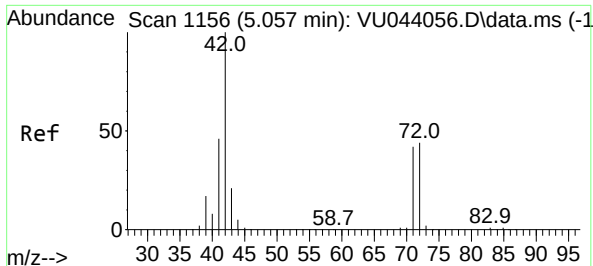
Tgt Ion:	84	Resp:	9399
Ion	Ratio	Lower	Upper
84	100		
49	123.0	103.6	155.4
51	39.6	32.8	49.2
86	73.2	49.9	74.9



#25
2-Butanone
Concen: 2.642 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. 0.006 min
Lab File: VU044119.D
Acq: 08 Jun 2021 17:43

Tgt Ion:	43	Resp:	8487
Ion	Ratio	Lower	Upper
43	100		
72	23.4	21.4	32.2





#29

Tetrahydrofuran

Concen: 0.669 ug/l

RT: 5.067 min Scan# 1159

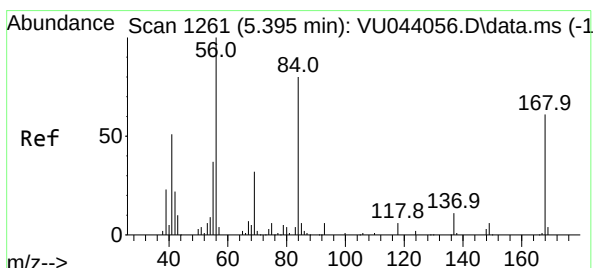
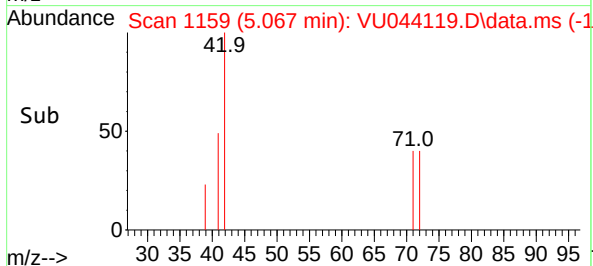
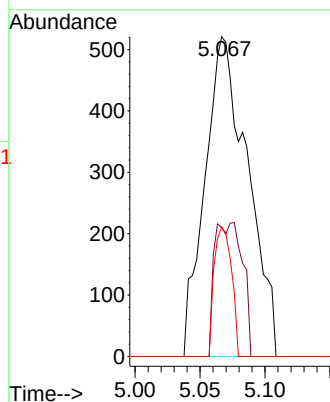
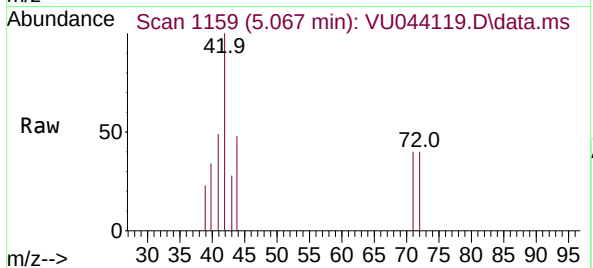
Delta R.T. 0.010 min

Lab File: VU044119.D

Acq: 08 Jun 2021 17:43

Tgt Ion:	42	Resp:	1193
Ion	Ratio	Lower	Upper
42	100		
72	12.8	35.6	53.4#
71	16.3	33.3	49.9#

Instrument :
MSVOA_U
ClientSampleId :



#31

Cyclohexane

Concen: 1.019 ug/l

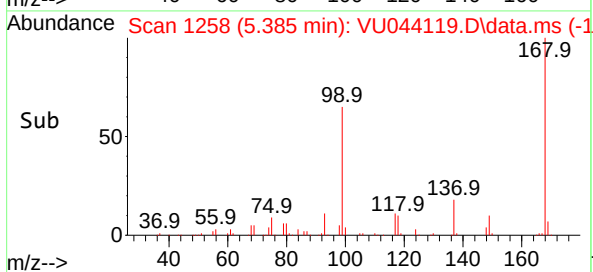
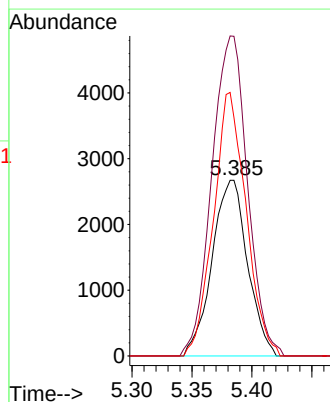
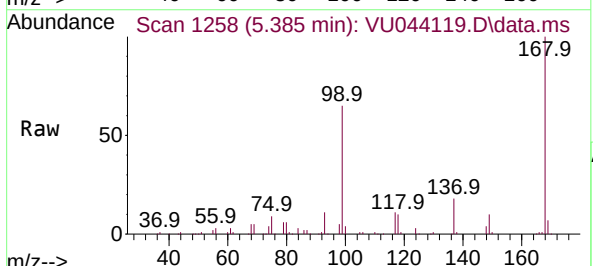
RT: 5.385 min Scan# 1258

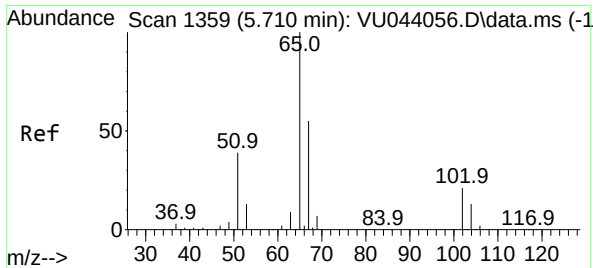
Delta R.T. -0.010 min

Lab File: VU044119.D

Acq: 08 Jun 2021 17:43

Tgt Ion:	56	Resp:	5486
Ion	Ratio	Lower	Upper
56	100		
69	181.9	25.4	38.2#
84	135.7	64.2	96.2#



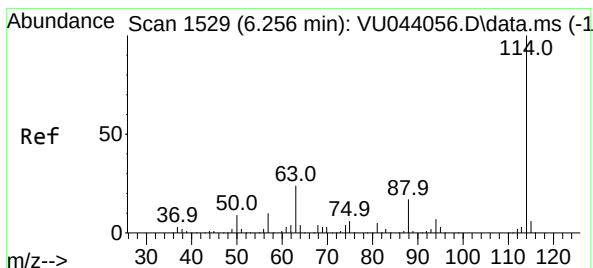
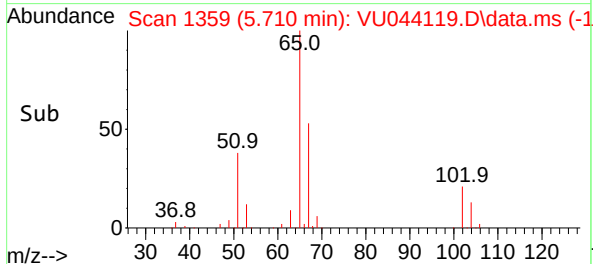
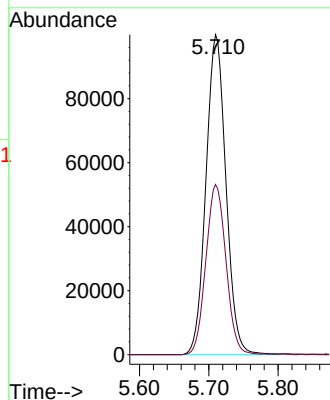
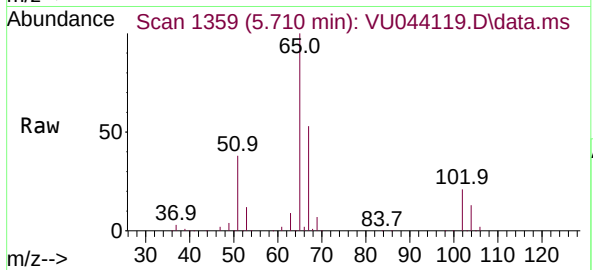


#33

1,2-Dichloroethane-d4
Concen: 51.315 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044119.D
Acq: 08 Jun 2021 17:43

Instrument :
MSVOA_U
ClientSampleId :

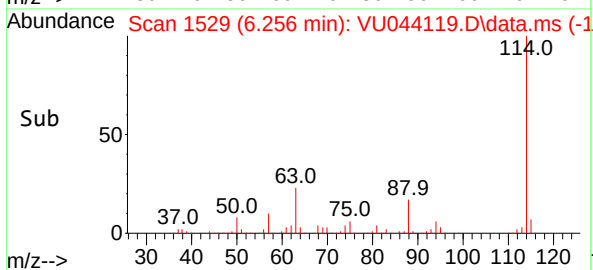
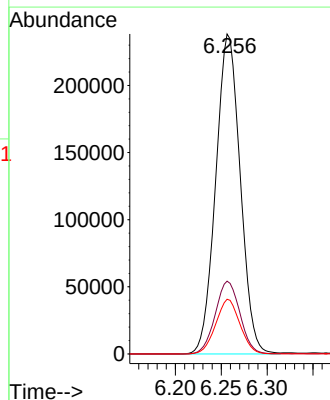
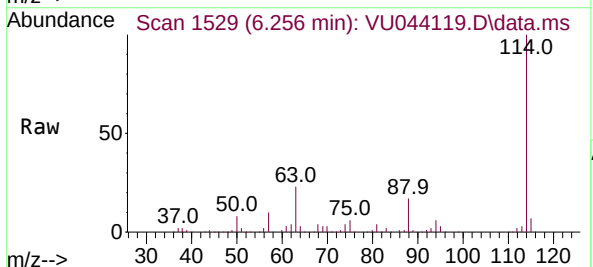
Tgt Ion: 65 Resp: 200159
Ion Ratio Lower Upper
65 100
67 53.6 0.0 109.2

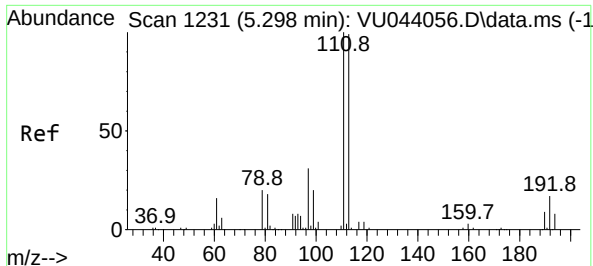


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044119.D
Acq: 08 Jun 2021 17:43

Tgt Ion: 114 Resp: 442655
Ion Ratio Lower Upper
114 100
63 22.7 0.0 48.4
88 17.1 0.0 34.4

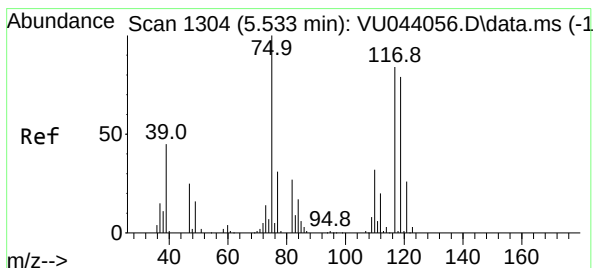
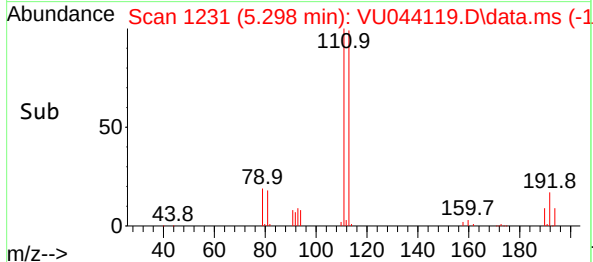
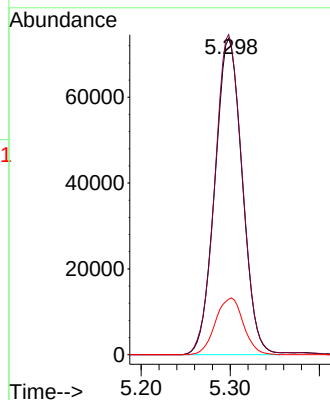
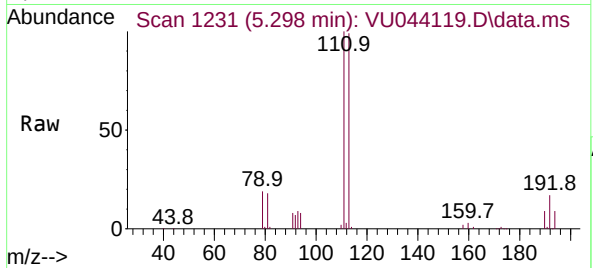




#35
Dibromofluoromethane
Concen: 49.793 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU044119.D
Acq: 08 Jun 2021 17:43

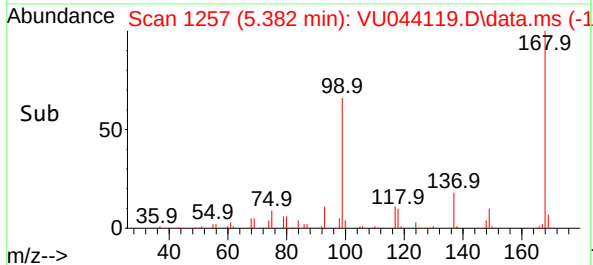
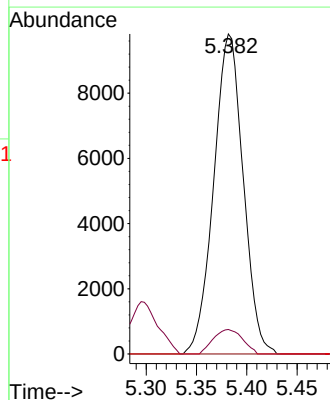
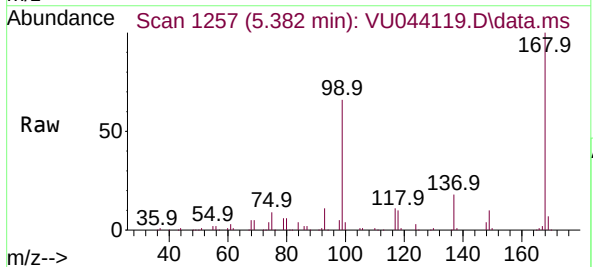
Instrument :
MSVOA_U
ClientSampleId :

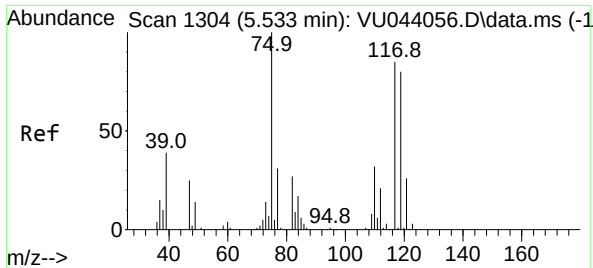
Tgt Ion:113 Resp: 157291
Ion Ratio Lower Upper
113 100
111 101.4 82.1 123.1
192 18.3 13.8 20.8



#36
1,1-Dichloropropene
Concen: 4.010 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044119.D
Acq: 08 Jun 2021 17:43

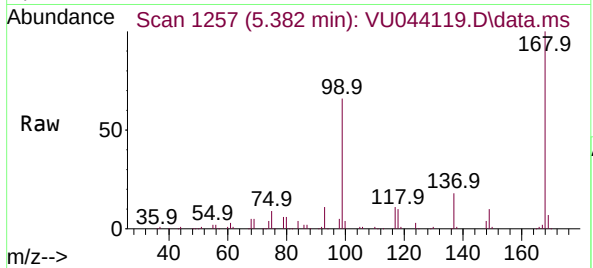
Tgt Ion: 75 Resp: 19996
Ion Ratio Lower Upper
75 100
110 7.6 15.9 47.7#
77 0.0 25.0 37.4#



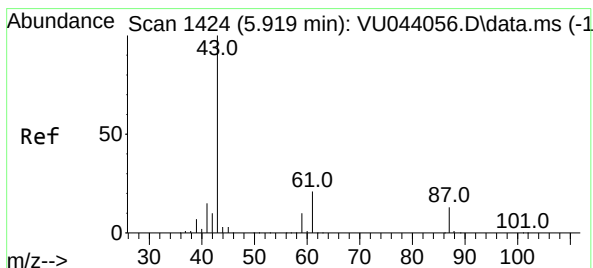
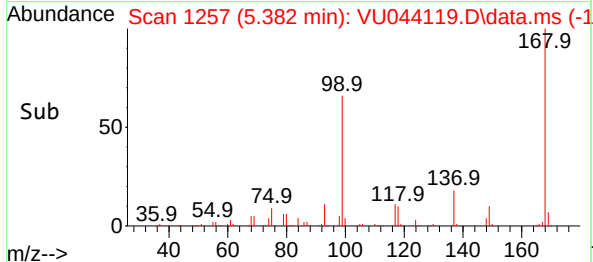
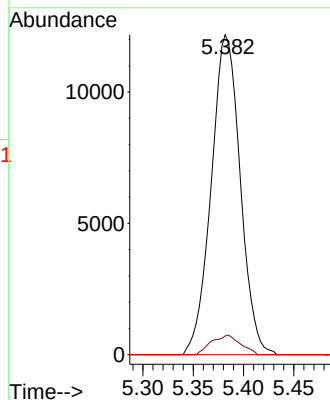


#38
Carbon Tetrachloride
Concen: 5.428 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044119.D
Acq: 08 Jun 2021 17:43

Instrument :
MSVOA_U
ClientSampled :

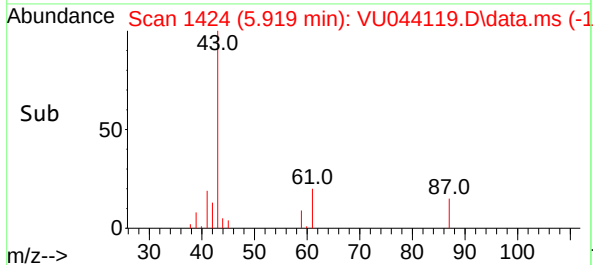
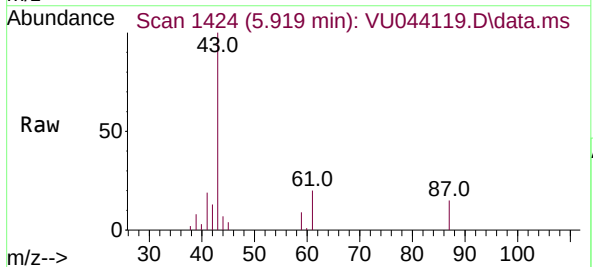
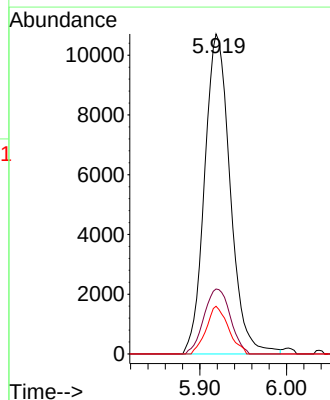


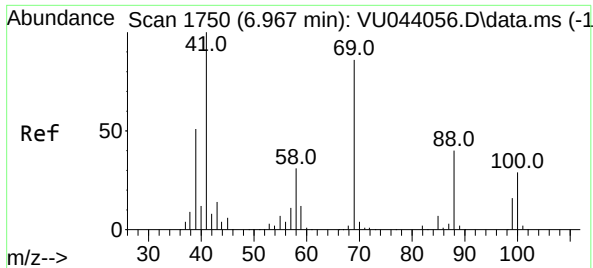
Tgt Ion:117 Resp: 24458
Ion Ratio Lower Upper
117 100
119 5.9 75.4 113.2#
121 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 2.476 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. -0.000 min
Lab File: VU044119.D
Acq: 08 Jun 2021 17:43

Tgt Ion: 43 Resp: 22000
Ion Ratio Lower Upper
43 100
61 20.9 16.8 25.2
87 12.9 10.2 15.2

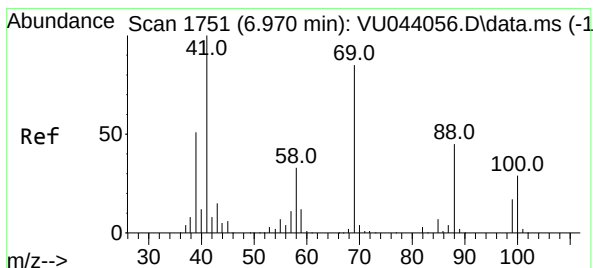
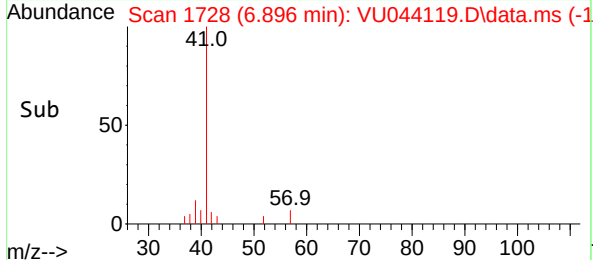
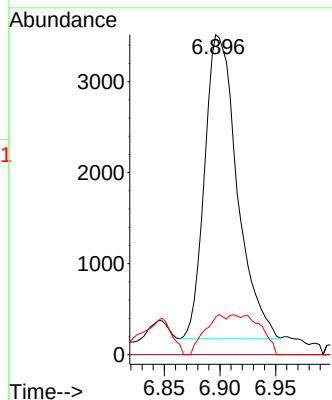
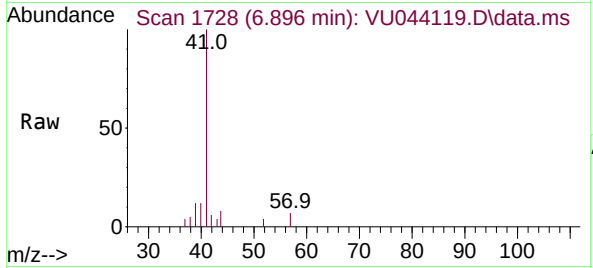




#48
Methyl methacrylate
Concen: 1.552 ug/l
RT: 6.896 min Scan# 1728
Delta R.T. -0.071 min
Lab File: VU044119.D
Acq: 08 Jun 2021 17:43

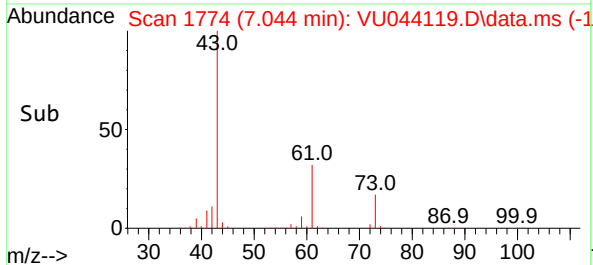
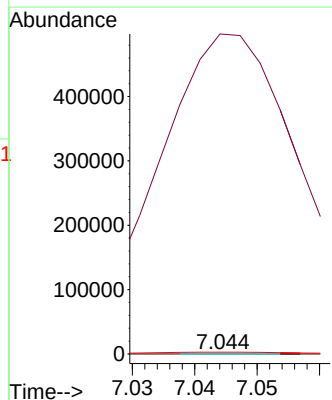
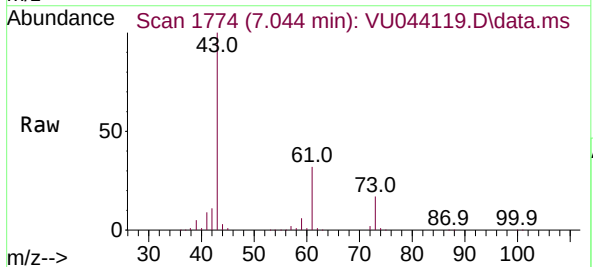
Instrument :
MSVOA_U
ClientSampled :

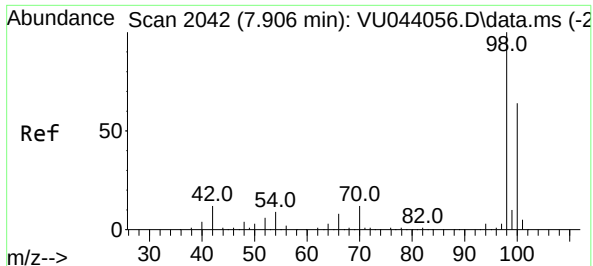
Tgt Ion: 41 Resp: 6800
Ion Ratio Lower Upper
41 100
69 0.0 68.9 103.3#
39 0.0 40.6 60.8#



#49
1,4-Dioxane
Concen: 0.399 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.074 min
Lab File: VU044119.D
Acq: 08 Jun 2021 17:43

Tgt Ion: 88 Resp: 43
Ion Ratio Lower Upper
88 100
43 1987341.9 25.0 37.4#
58 11800.0 60.0 90.0#

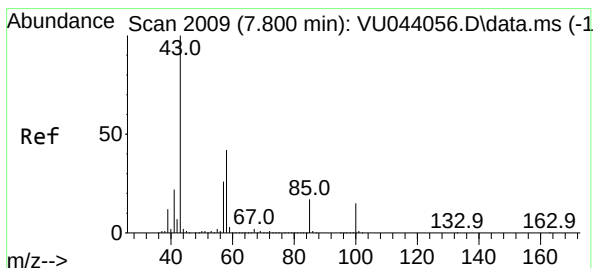
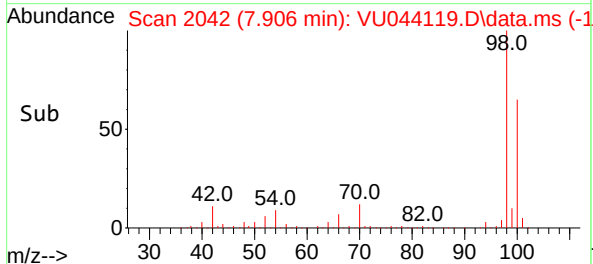
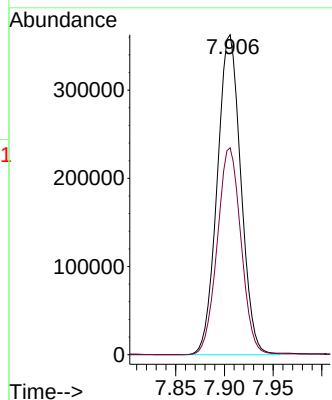
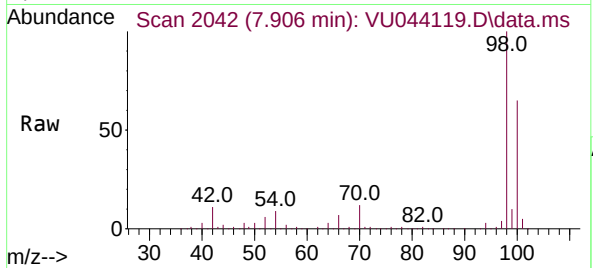




#50
Toluene-d8
Concen: 50.252 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU044119.D
Acq: 08 Jun 2021 17:43

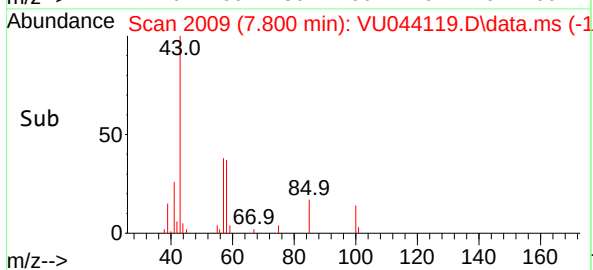
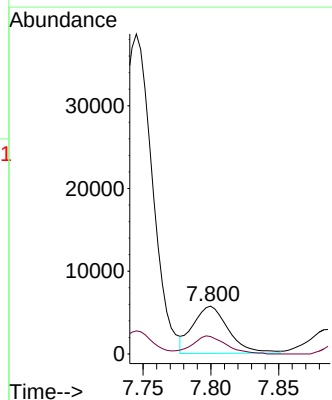
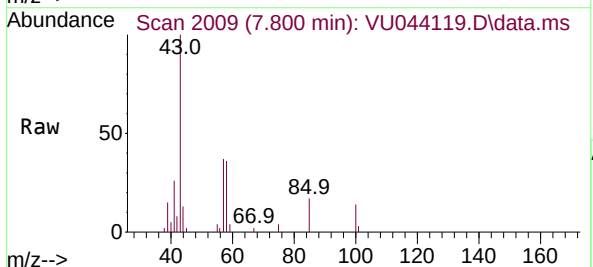
Instrument :
MSVOA_U
ClientSampleId :

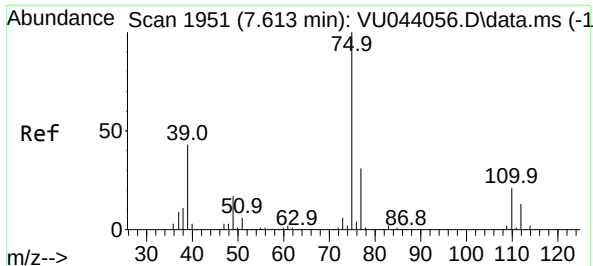
Tgt Ion: 98 Resp: 612291
Ion Ratio Lower Upper
98 100
100 65.3 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.570 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VU044119.D
Acq: 08 Jun 2021 17:43

Tgt Ion: 43 Resp: 10360
Ion Ratio Lower Upper
43 100
58 36.8 33.3 49.9

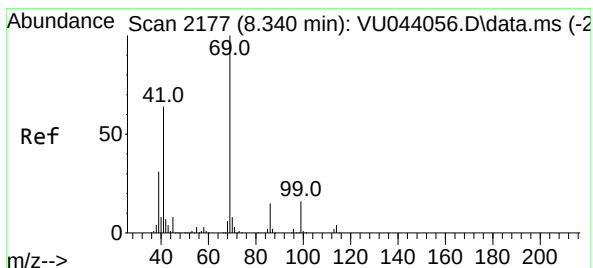
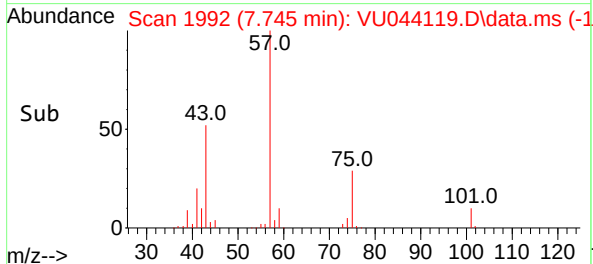
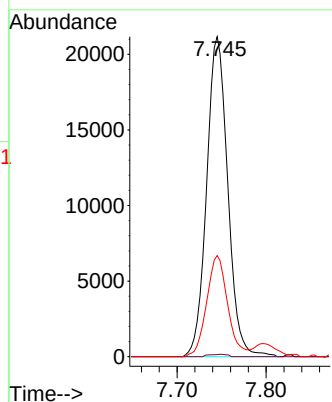
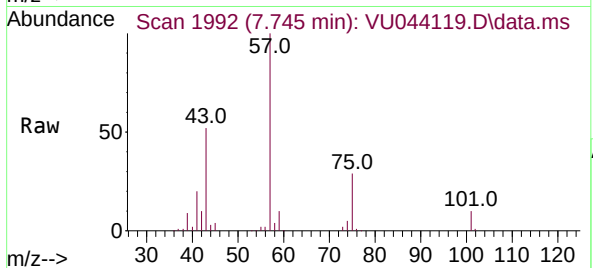




#54
 cis-1,3-Dichloropropene
 Concen: 5.709 ug/l
 RT: 7.745 min Scan# 1992
 Delta R.T. 0.132 min
 Lab File: VU044119.D
 Acq: 08 Jun 2021 17:43

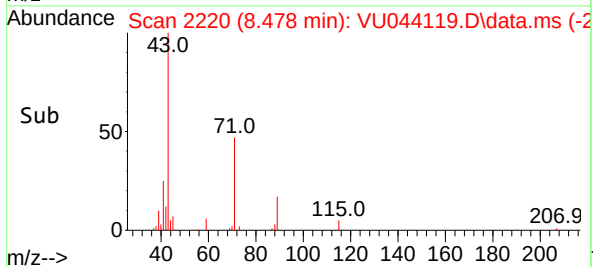
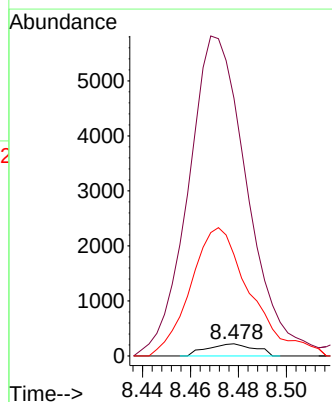
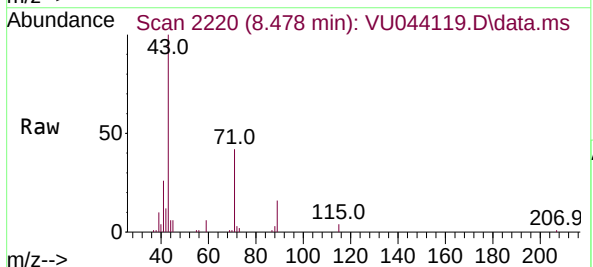
Instrument :
 MSVOA_U
 ClientSampleId :

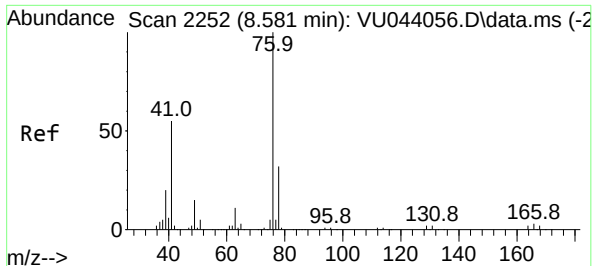
Tgt Ion: 75 Resp: 34818
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.0 37.4#
 39 31.6 34.7 52.1#



#56
 Ethyl methacrylate
 Concen: 3.429 ug/l
 RT: 8.478 min Scan# 2220
 Delta R.T. 0.138 min
 Lab File: VU044119.D
 Acq: 08 Jun 2021 17:43

Tgt Ion: 69 Resp: 305
 Ion Ratio Lower Upper
 69 100
 41 3262.6 51.4 77.0#
 39 1330.8 24.9 37.3#



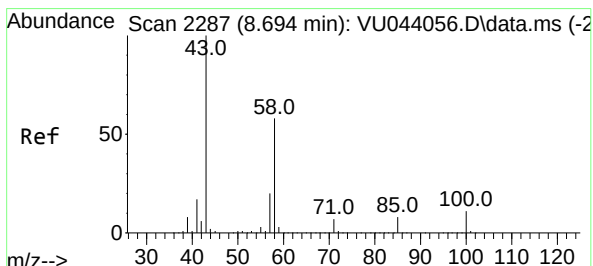
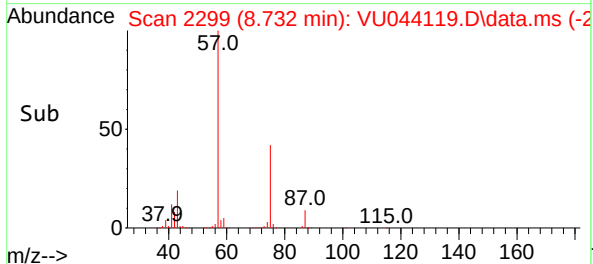
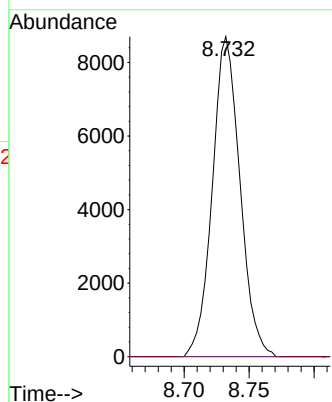
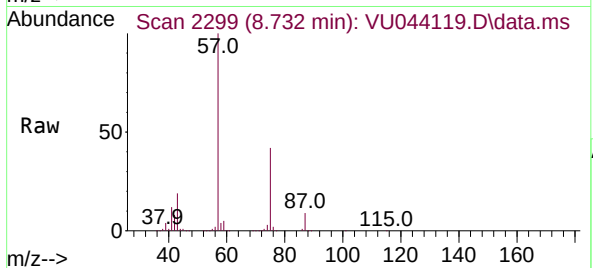


#57

1,3-Dichloropropane
Concen: 1.916 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.151 min
Lab File: VU044119.D
Acq: 08 Jun 2021 17:43

Instrument :
MSVOA_U
ClientSampled :

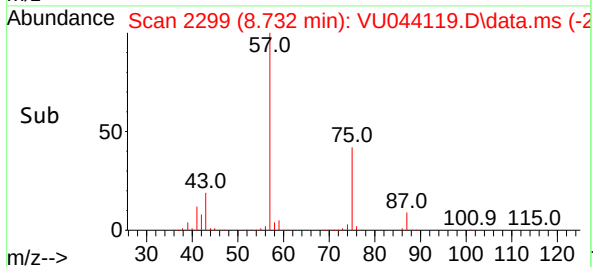
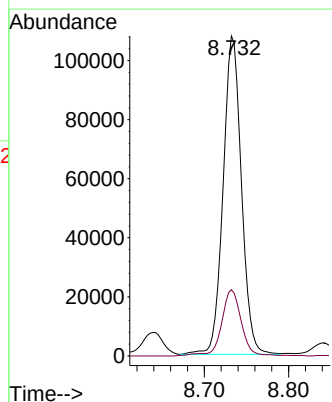
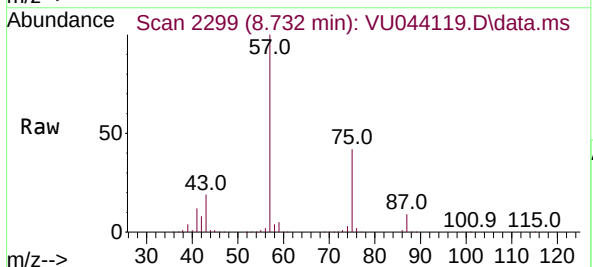
Tgt Ion: 76 Resp: 12865
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

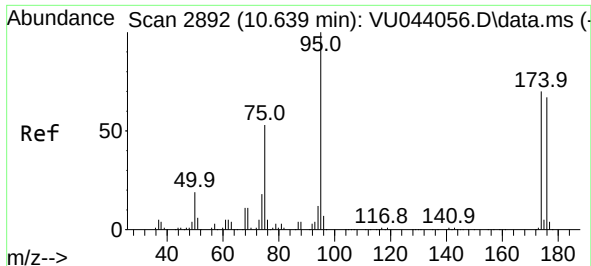


#59

2-Hexanone
Concen: 31.649 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.038 min
Lab File: VU044119.D
Acq: 08 Jun 2021 17:43

Tgt Ion: 43 Resp: 162259
Ion Ratio Lower Upper
43 100
58 22.5 29.0 87.1#

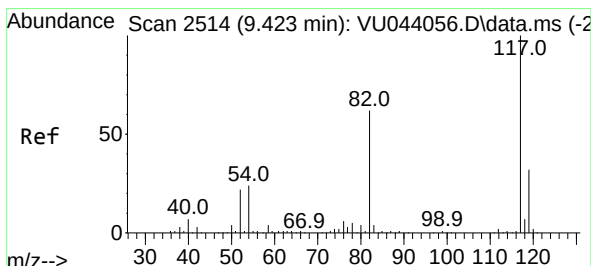
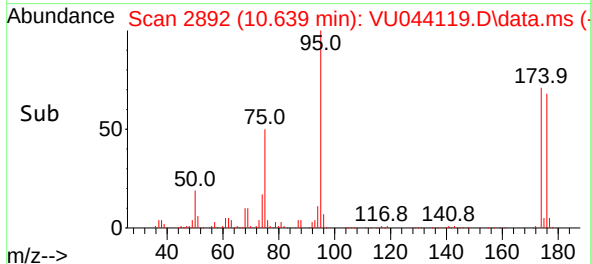
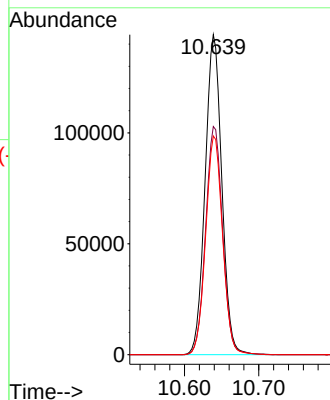
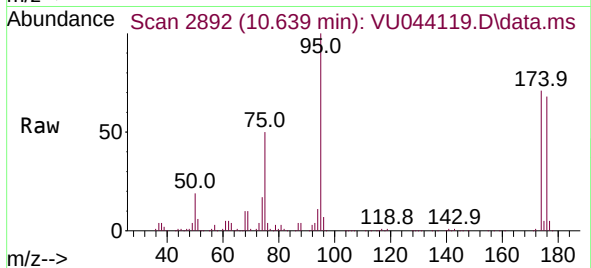




#62
4-Bromofluorobenzene
Concen: 46.643 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044119.D
Acq: 08 Jun 2021 17:43

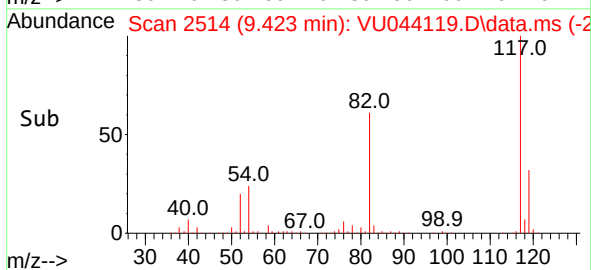
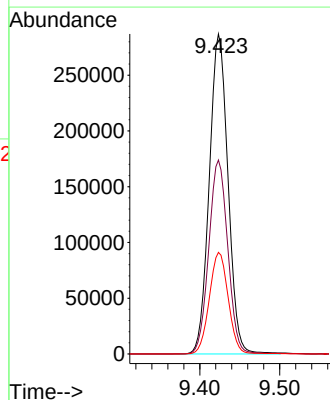
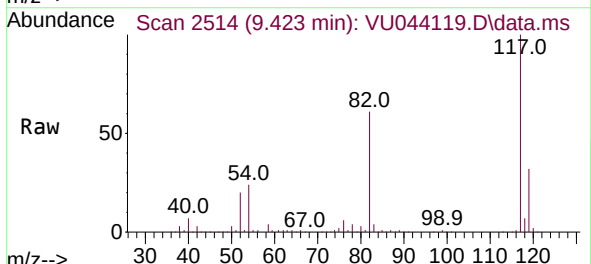
Instrument :
MSVOA_U
ClientSampleId :

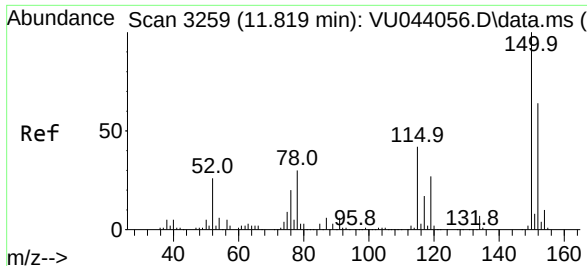
Tgt Ion: 95 Resp: 225010
Ion Ratio Lower Upper
95 100
174 72.6 0.0 141.0
176 69.3 0.0 135.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU044119.D
Acq: 08 Jun 2021 17:43

Tgt Ion: 117 Resp: 467423
Ion Ratio Lower Upper
117 100
82 60.5 50.0 75.0
119 31.7 25.9 38.9

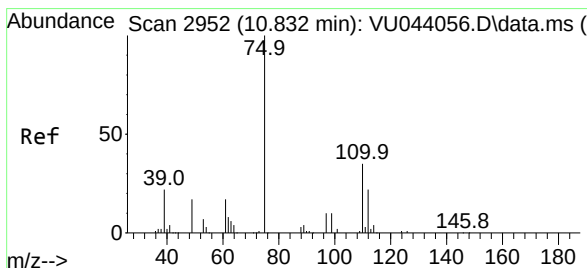
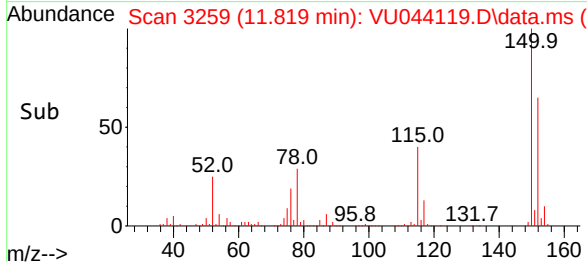
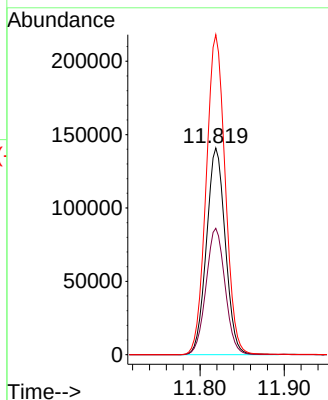
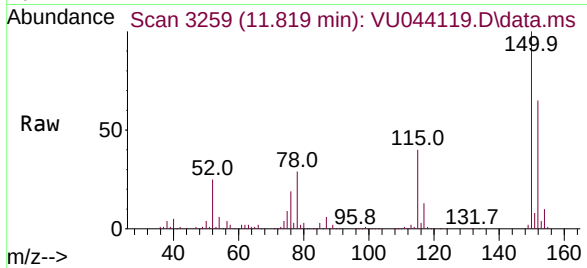




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU044119.D
 Acq: 08 Jun 2021 17:43

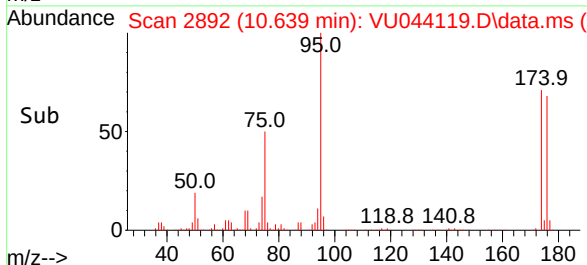
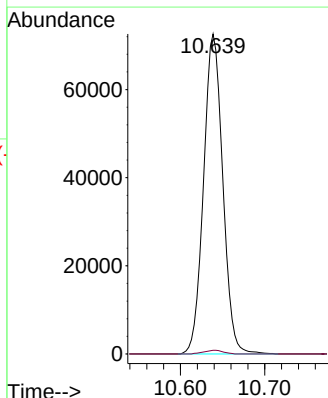
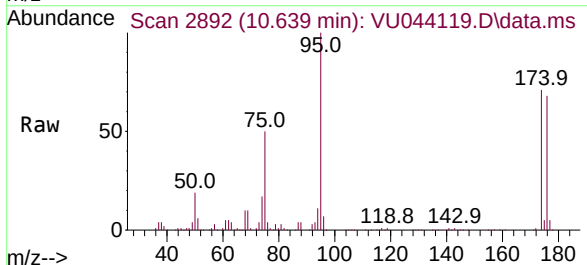
Instrument :
 MSVOA_U
 ClientSampleId :

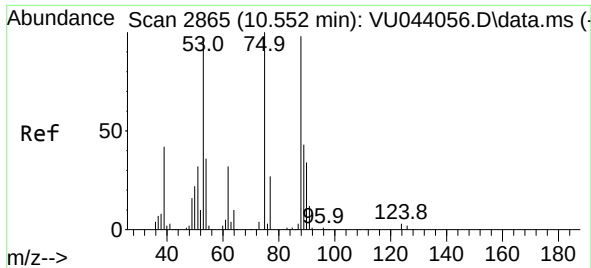
Tgt Ion:152 Resp: 219267
 Ion Ratio Lower Upper
 152 100
 115 61.9 44.6 134.0
 150 156.6 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 18.800 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.193 min
 Lab File: VU044119.D
 Acq: 08 Jun 2021 17:43

Tgt Ion: 75 Resp: 115314
 Ion Ratio Lower Upper
 75 100
 77 1.2 16.9 50.6#

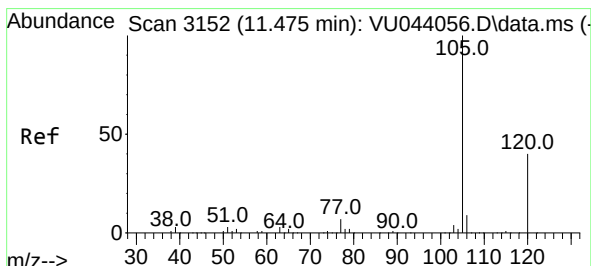
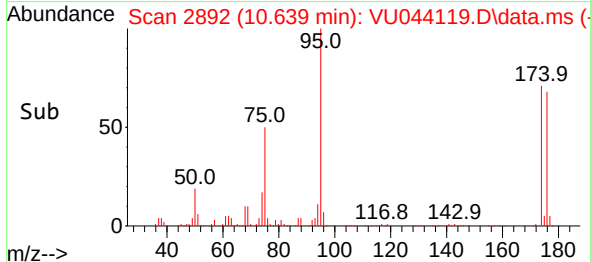
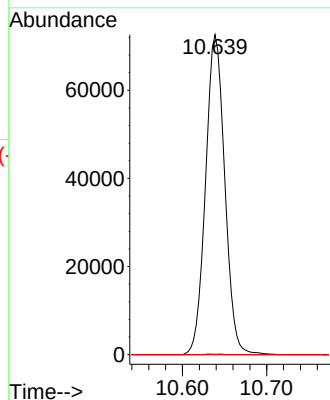
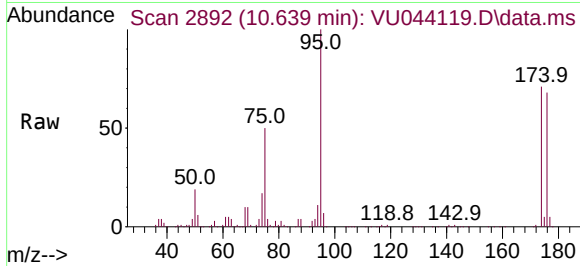




#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.895 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. 0.087 min
 Lab File: VU044119.D
 Acq: 08 Jun 2021 17:43

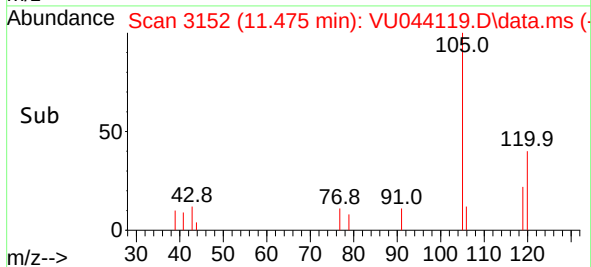
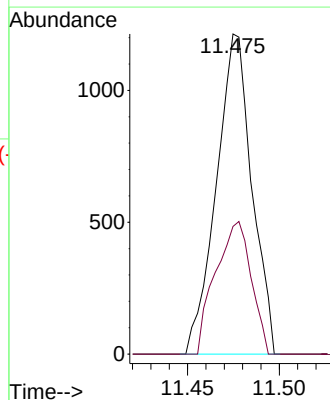
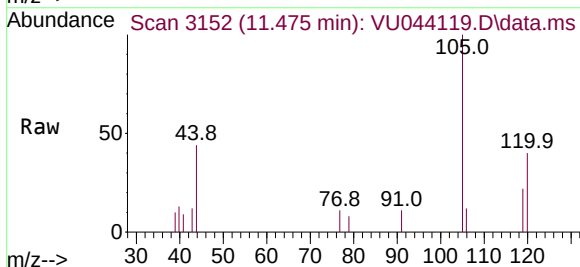
Instrument :
 MSVOA_U
 ClientSampleId :

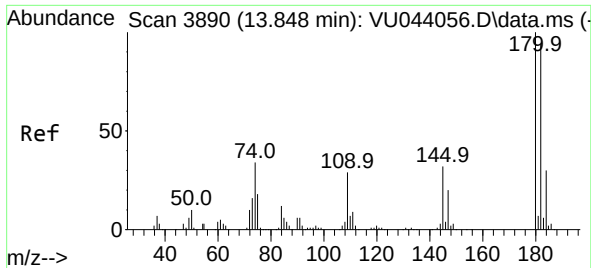
Tgt Ion: 75 Resp: 115314
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.9 115.3#
 89 0.0 33.8 50.8#



#84
 1,2,4-Trimethylbenzene
 Concen: 1.062 ug/l
 RT: 11.475 min Scan# 3152
 Delta R.T. -0.000 min
 Lab File: VU044119.D
 Acq: 08 Jun 2021 17:43

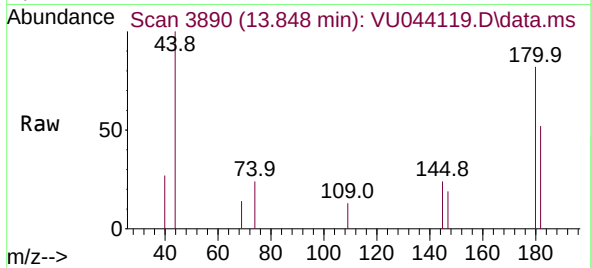
Tgt Ion: 105 Resp: 1632
 Ion Ratio Lower Upper
 105 100
 120 41.7 21.9 65.7



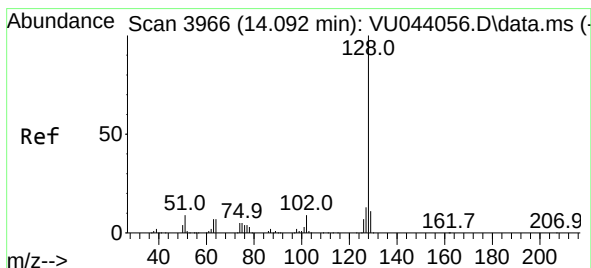
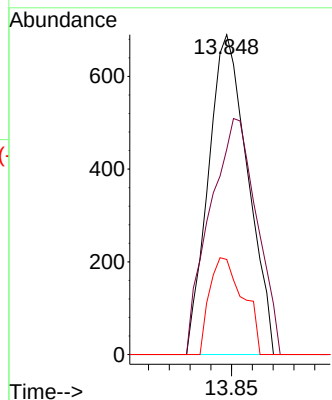
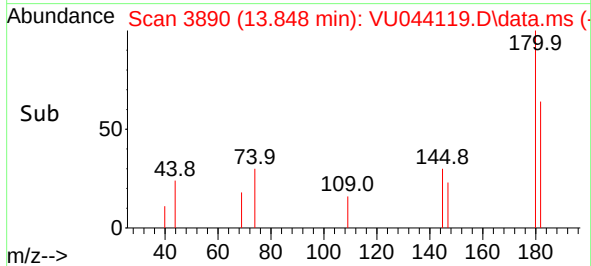


#93
1,2,4-Trichlorobenzene
Concen: 0.220 ug/l
RT: 13.848 min Scan# 3890
Delta R.T. -0.000 min
Lab File: VU044119.D
Acq: 08 Jun 2021 17:43

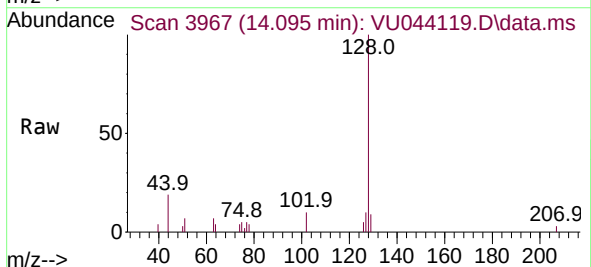
Instrument :
MSVOA_U
ClientSampled :



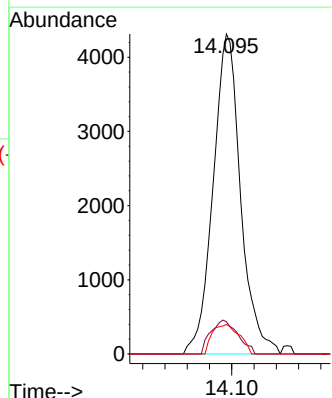
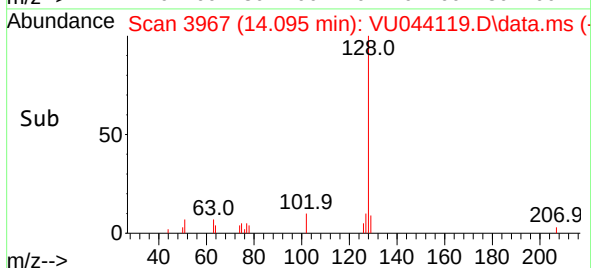
Tgt Ion:180 Resp: 907
Ion Ratio Lower Upper
180 100
182 87.7 47.1 141.3
145 25.8 16.0 47.9

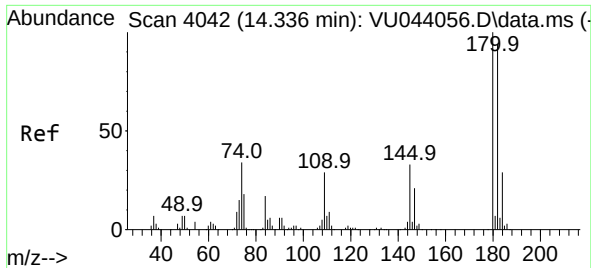


#95
Naphthalene
Concen: 3.312 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU044119.D
Acq: 08 Jun 2021 17:43



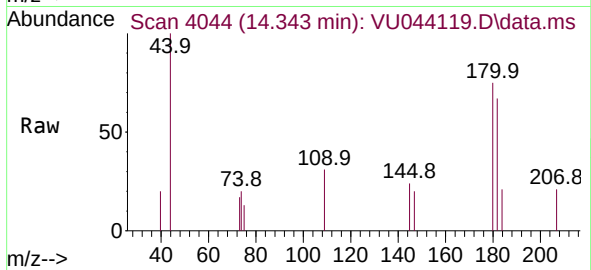
Tgt Ion:128 Resp: 7390
Ion Ratio Lower Upper
128 100
127 10.4 10.2 15.4
129 9.0 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.236 ug/l
 RT: 14.343 min Scan# 4044
 Delta R.T. 0.007 min
 Lab File: VU044119.D
 Acq: 08 Jun 2021 17:43

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:180 Resp: 936
 Ion Ratio Lower Upper
 180 100
 182 105.3 47.3 141.9
 145 30.2 16.9 50.7

