

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060821\
 Data File : VU044103.D
 Acq On : 08 Jun 2021 10:20
 Operator : SY/MD
 Sample : M2613-26
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 08 23:11:24 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)

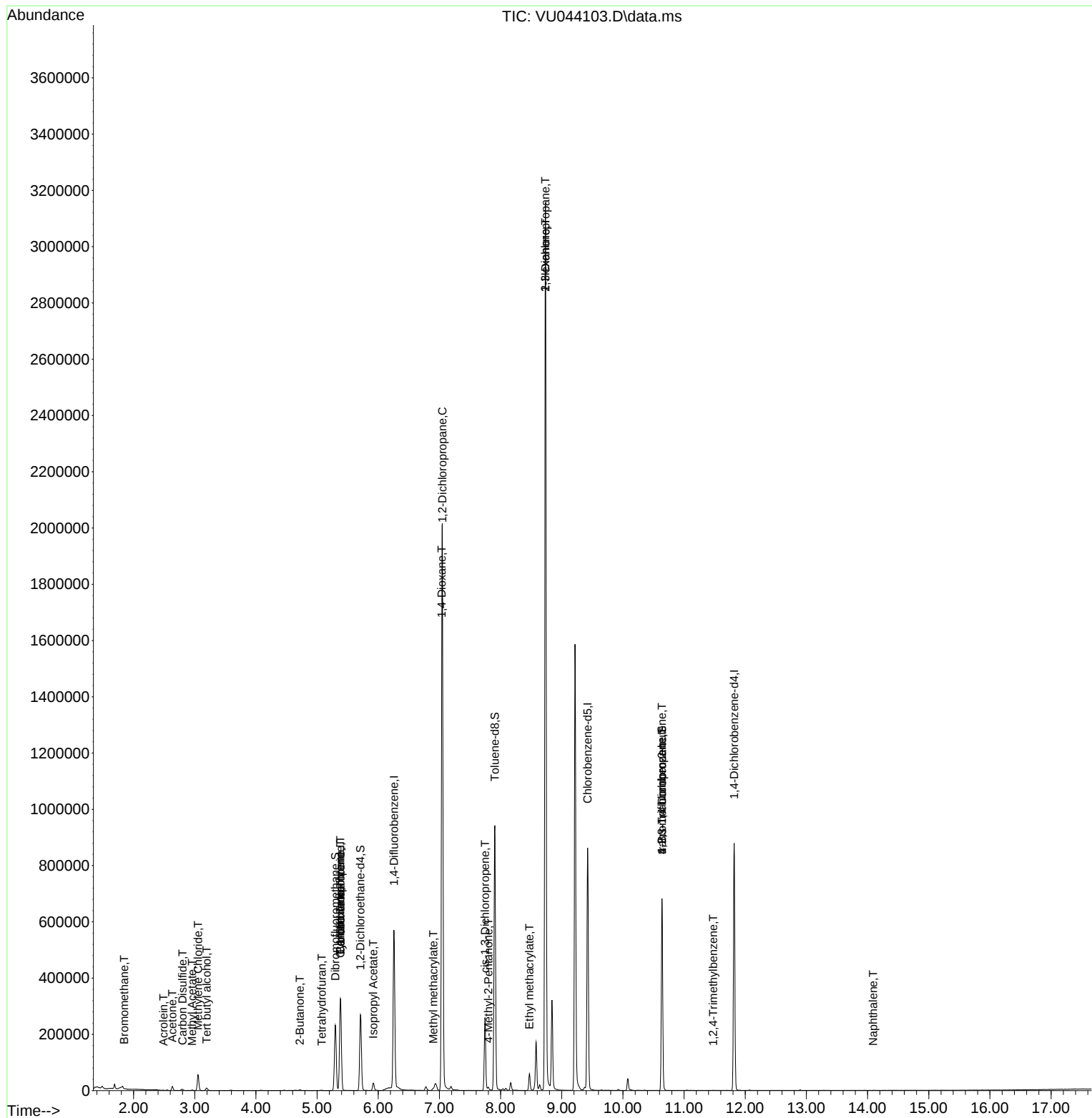
Internal Standards						
1) Pentafluorobenzene	5.382	168	214453	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	435996	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	460544	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	214581	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	197681	52.929	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.860%	
35) Dibromofluoromethane	5.298	113	151506	48.695	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.380%	
50) Toluene-d8	7.906	98	603737	50.307	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.620%	
62) 4-Bromofluorobenzene	10.639	95	224254	47.197	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.400%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.526	50	971	Below Cal	#	83
5) Bromomethane	1.845	94	383	0.233	ug/l	98
11) Tert butyl alcohol	3.195	59	5859	6.328	ug/l #	72
13) Acrolein	2.491	56	618	0.849	ug/l	95
16) Acetone	2.633	43	15981	7.414	ug/l	96
17) Carbon Disulfide	2.800	76	4146	0.472	ug/l	100
18) Methyl Acetate	2.957	43	2397	0.504	ug/l	97
20) Methylene Chloride	3.054	84	26229	6.640	ug/l	95
25) 2-Butanone	4.719	43	4468	1.453	ug/l	91
29) Tetrahydrofuran	5.076	42	890	0.521	ug/l #	80
31) Cyclohexane	5.378	56	5164	1.002	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	19704	4.011	ug/l #	50
38) Carbon Tetrachloride	5.382	117	23026	5.188	ug/l #	17
43) Isopropyl Acetate	5.919	43	26692	3.050	ug/l	98
45) 1,2-Dichloropropane	7.050	63	2308	0.571	ug/l #	42
48) Methyl methacrylate	6.899	41	9845	2.282	ug/l #	14
49) 1,4-Dioxane	7.038	88	242	2.281	ug/l #	1
51) 4-Methyl-2-Pentanone	7.800	43	7081	1.090	ug/l	89
54) cis-1,3-Dichloropropene	7.745	75	44623	7.429	ug/l #	67
56) Ethyl methacrylate	8.472	69	370	3.438	ug/l #	1
57) 1,3-Dichloropropane	8.732	76	32284	4.881	ug/l #	43
59) 2-Hexanone	8.732	43	414194	82.024	ug/l #	50
76) 1,2,3-Trichloropropane	10.639	75	116377	19.387	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.639	75	116377	56.611	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.478	105	282	0.969	ug/l #	32
95) Naphthalene	14.092	128	335	2.867	ug/l #	69

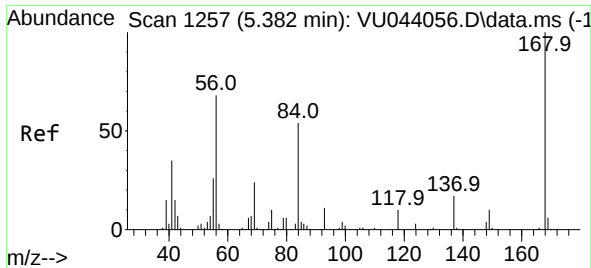
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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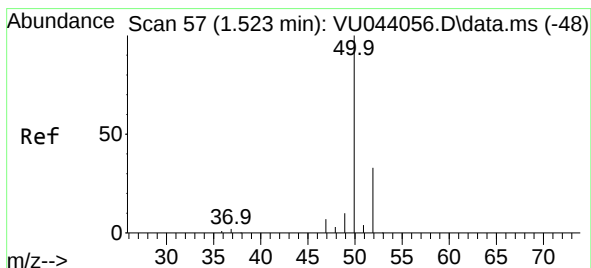
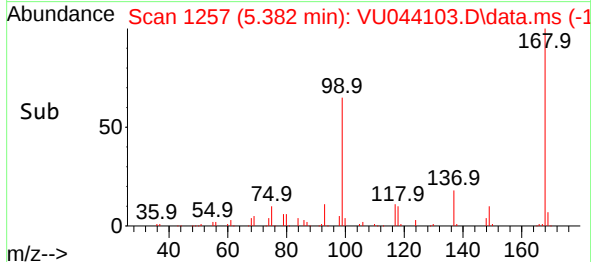
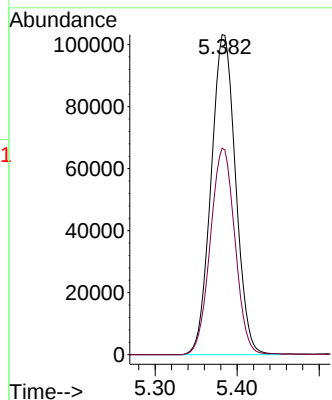
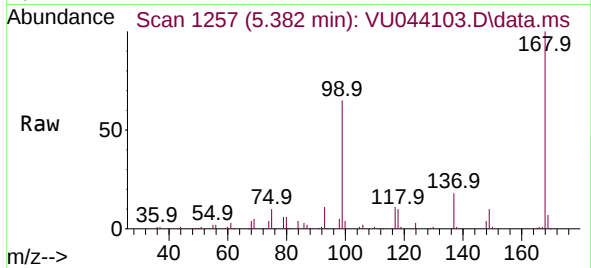




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044103.D
Acq: 08 Jun 2021 10:20

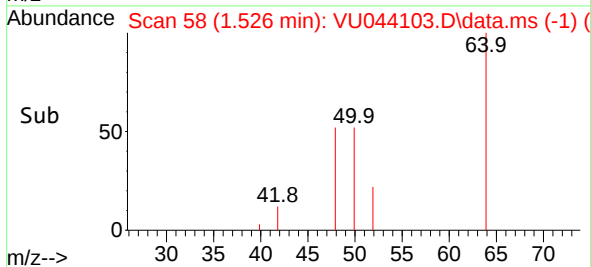
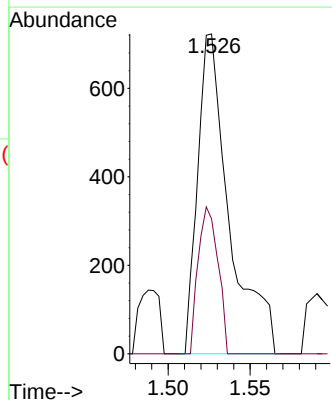
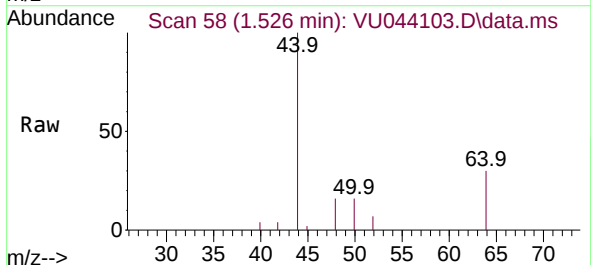
Instrument :
MSVOA_U
ClientSampled :

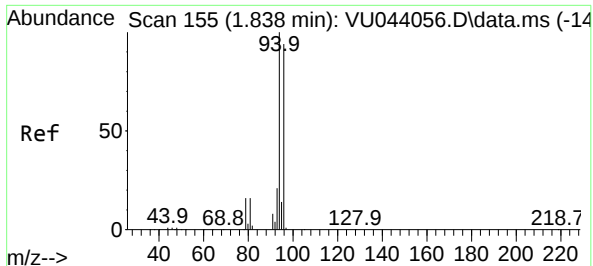
Tgt Ion:168 Resp: 214453
Ion Ratio Lower Upper
168 100
99 64.5 52.6 78.8



#3
Chloromethane
Concen: Below Cal
RT: 1.526 min Scan# 58
Delta R.T. 0.003 min
Lab File: VU044103.D
Acq: 08 Jun 2021 10:20

Tgt Ion: 50 Resp: 971
Ion Ratio Lower Upper
50 100
52 42.2 26.2 39.2#

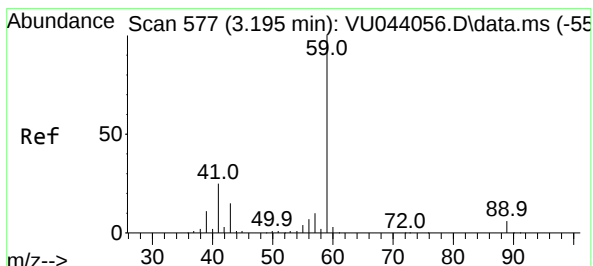
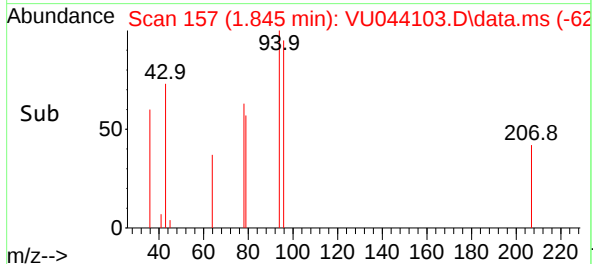
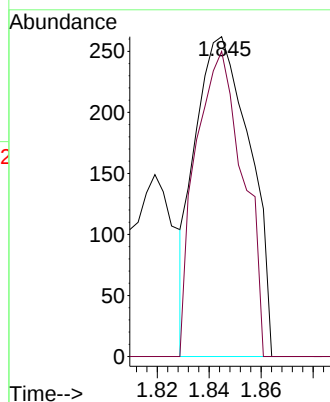
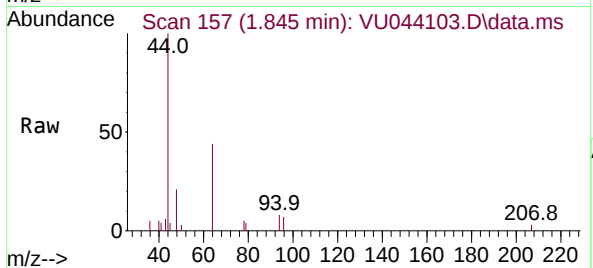




#5
Bromomethane
Concen: 0.233 ug/l
RT: 1.845 min Scan# 157
Delta R.T. 0.007 min
Lab File: VU044103.D
Acq: 08 Jun 2021 10:20

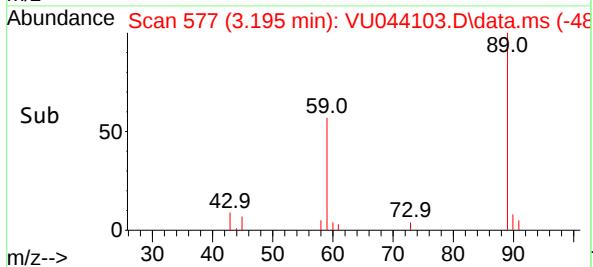
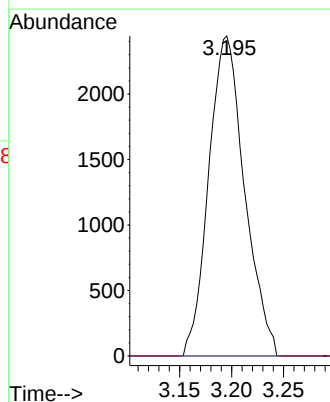
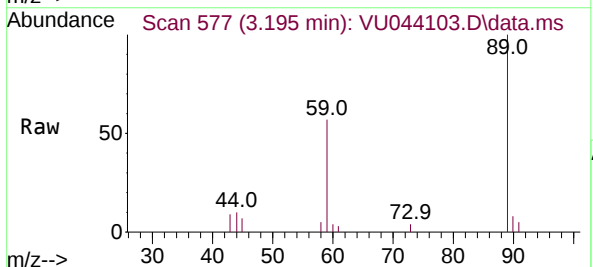
Instrument :
MSVOA_U
ClientSampleId :

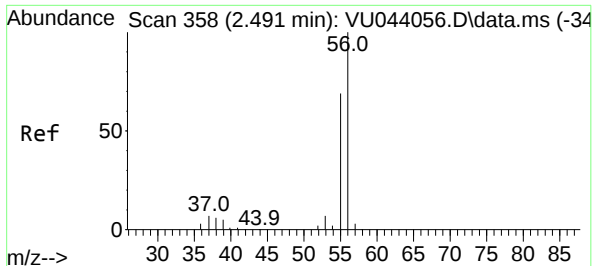
Tgt Ion: 94 Resp: 383
Ion Ratio Lower Upper
94 100
96 95.4 74.8 112.2



#11
Tert butyl alcohol
Concen: 6.328 ug/l
RT: 3.195 min Scan# 577
Delta R.T. 0.000 min
Lab File: VU044103.D
Acq: 08 Jun 2021 10:20

Tgt Ion: 59 Resp: 5859
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

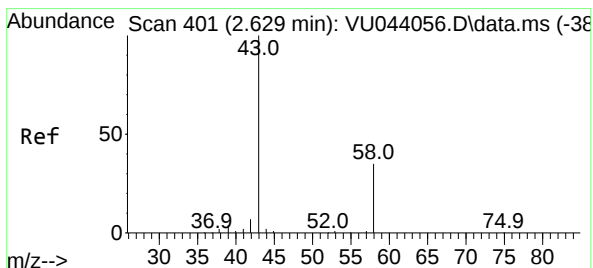
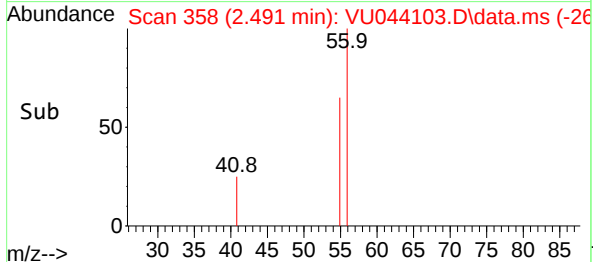
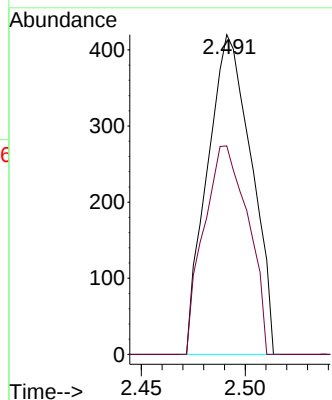
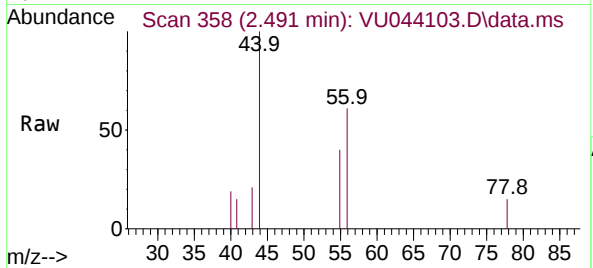




#13
Acrolein
Concen: 0.849 ug/l
RT: 2.491 min Scan# 358
Delta R.T. 0.000 min
Lab File: VU044103.D
Acq: 08 Jun 2021 10:20

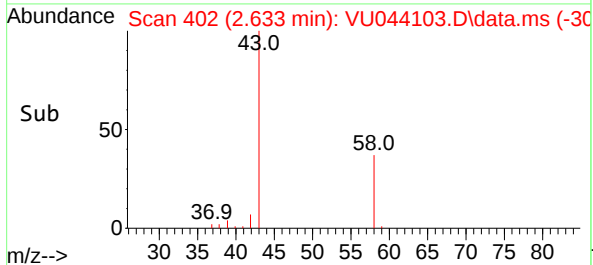
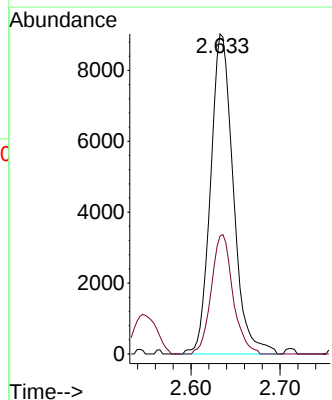
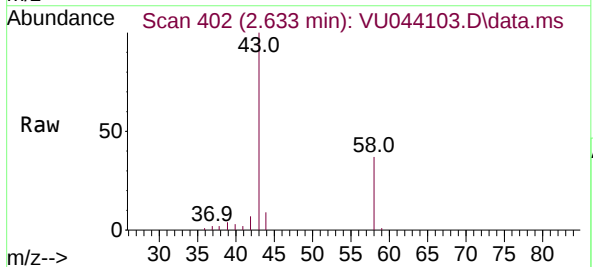
Instrument :
MSVOA_U
ClientSampled :

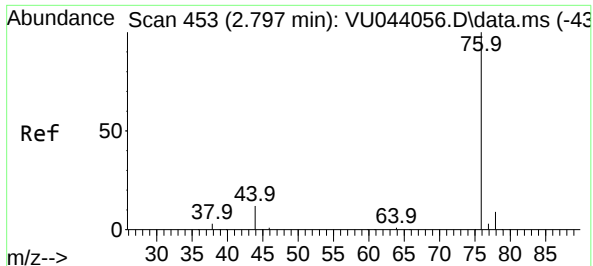
Tgt Ion: 56 Resp: 618
Ion Ratio Lower Upper
56 100
55 65.7 56.1 84.1



#16
Acetone
Concen: 7.414 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.004 min
Lab File: VU044103.D
Acq: 08 Jun 2021 10:20

Tgt Ion: 43 Resp: 15981
Ion Ratio Lower Upper
43 100
58 36.8 27.7 41.5

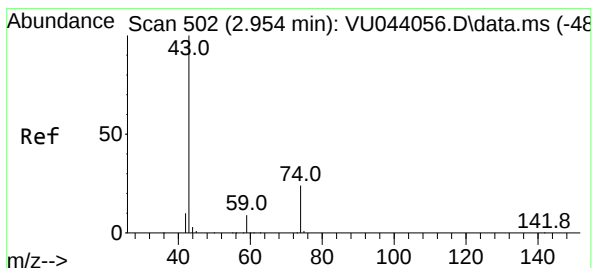
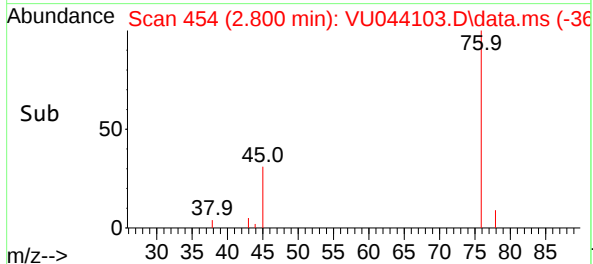
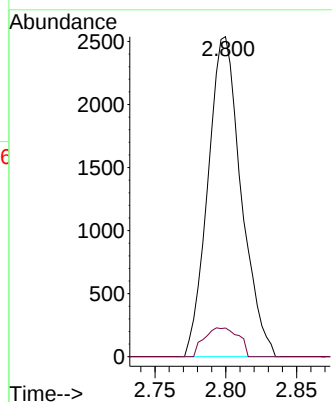
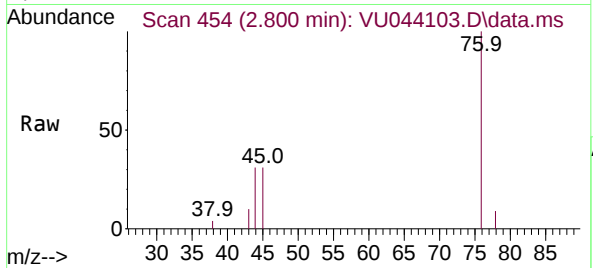




#17
Carbon Disulfide
Concen: 0.472 ug/l
RT: 2.800 min Scan# 454
Delta R.T. 0.003 min
Lab File: VU044103.D
Acq: 08 Jun 2021 10:20

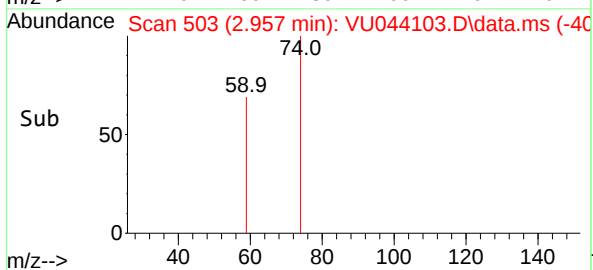
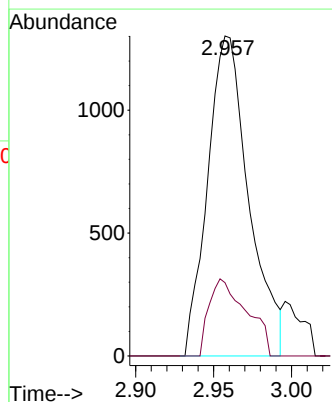
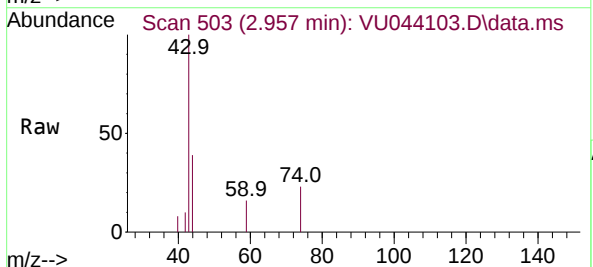
Instrument :
MSVOA_U
ClientSampled :

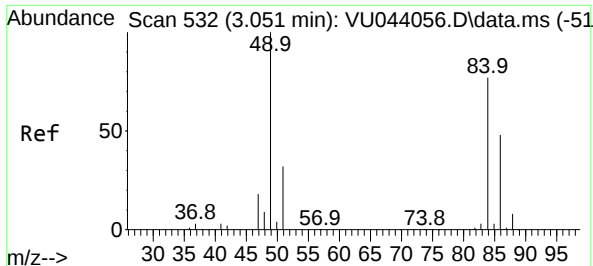
Tgt Ion: 76 Resp: 4146
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8



#18
Methyl Acetate
Concen: 0.504 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.003 min
Lab File: VU044103.D
Acq: 08 Jun 2021 10:20

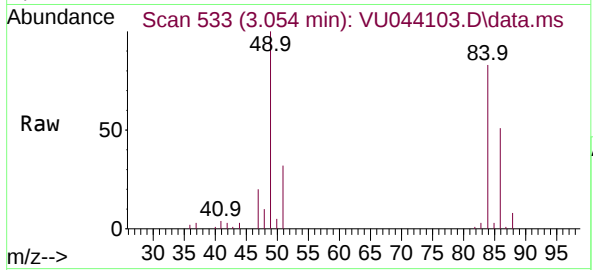
Tgt Ion: 43 Resp: 2397
Ion Ratio Lower Upper
43 100
74 22.0 18.7 28.1



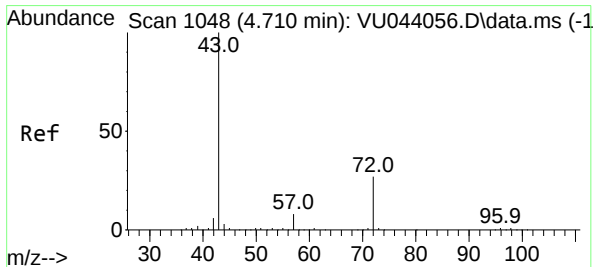
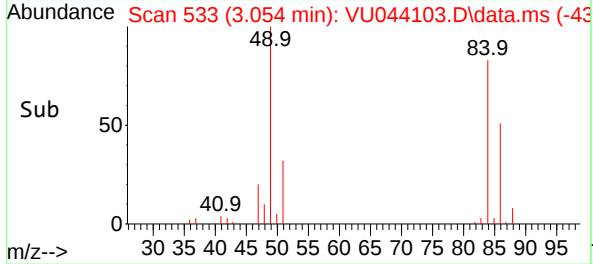
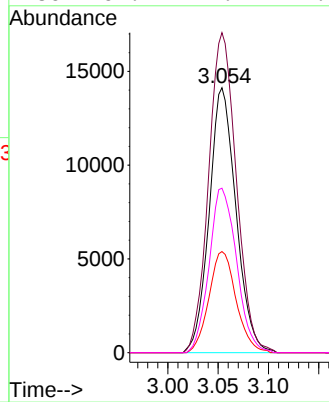


#20
Methylene Chloride
Concen: 6.640 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU044103.D
Acq: 08 Jun 2021 10:20

Instrument :
MSVOA_U
ClientSampleId :

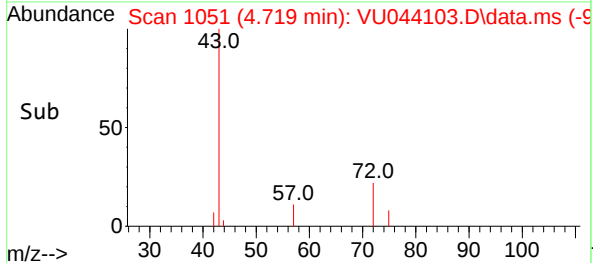
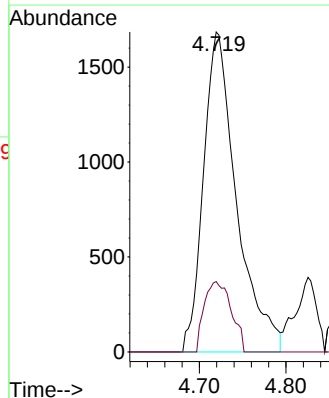
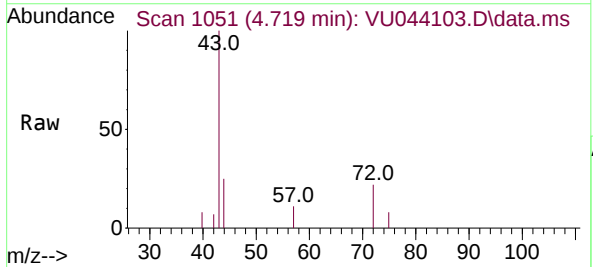


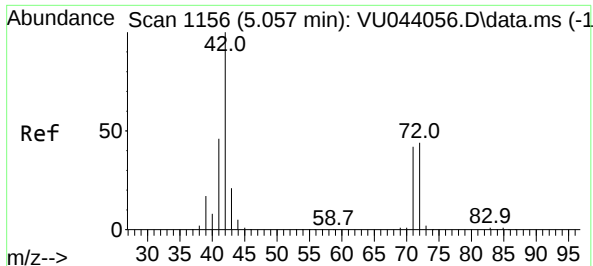
Tgt Ion:	84	Resp:	26229
Ion	Ratio	Lower	Upper
84	100		
49	120.8	103.6	155.4
51	38.2	32.8	49.2
86	62.1	49.9	74.9



#25
2-Butanone
Concen: 1.453 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. 0.009 min
Lab File: VU044103.D
Acq: 08 Jun 2021 10:20

Tgt Ion:	43	Resp:	4468
Ion	Ratio	Lower	Upper
43	100		
72	22.0	21.4	32.2





#29

Tetrahydrofuran

Concen: 0.521 ug/l

RT: 5.076 min Scan# 1162

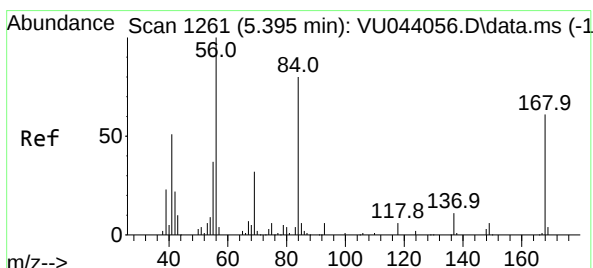
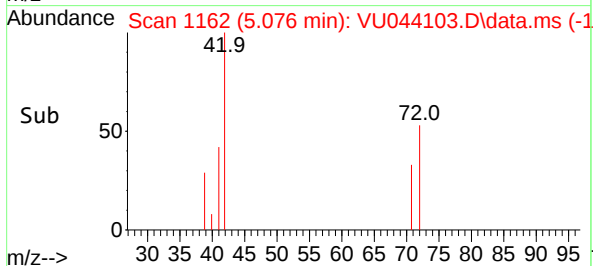
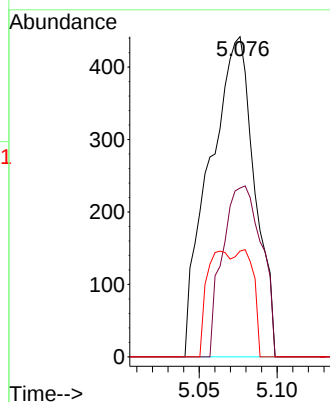
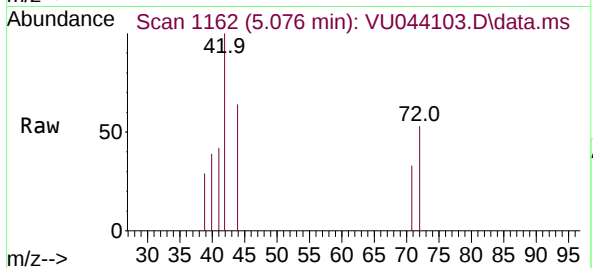
Delta R.T. 0.019 min

Lab File: VU044103.D

Acq: 08 Jun 2021 10:20

Tgt Ion:	42	Resp:	890
Ion	Ratio	Lower	Upper
42	100		
72	46.0	35.6	53.4
71	17.3	33.3	49.9#

Instrument :
MSVOA_U
ClientSampled :



#31

Cyclohexane

Concen: 1.002 ug/l

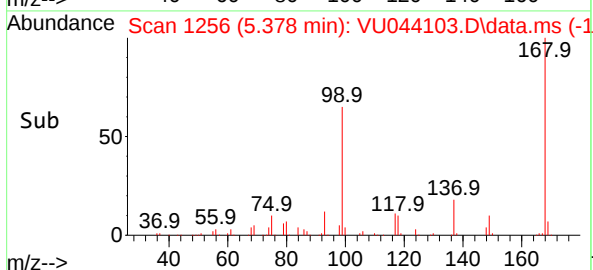
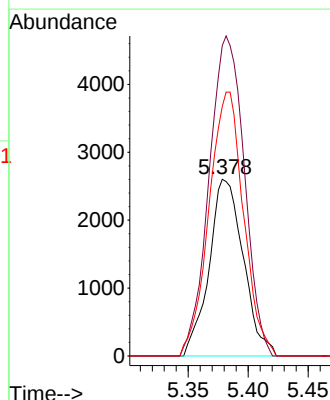
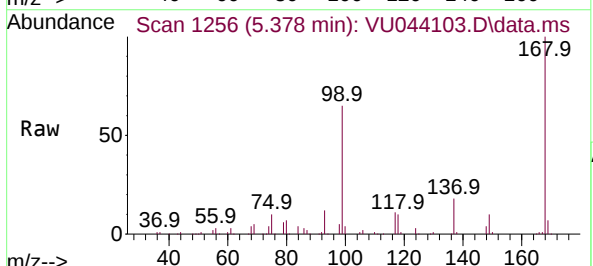
RT: 5.378 min Scan# 1256

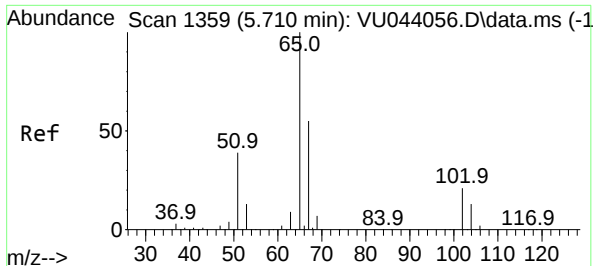
Delta R.T. -0.017 min

Lab File: VU044103.D

Acq: 08 Jun 2021 10:20

Tgt Ion:	56	Resp:	5164
Ion	Ratio	Lower	Upper
56	100		
69	175.7	25.4	38.2#
84	141.2	64.2	96.2#



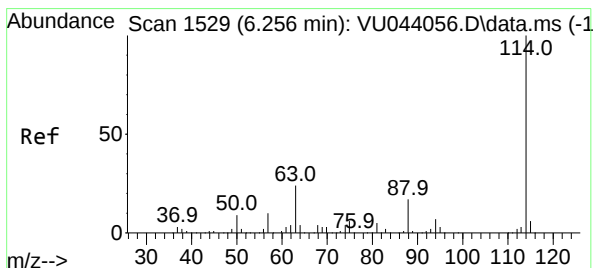
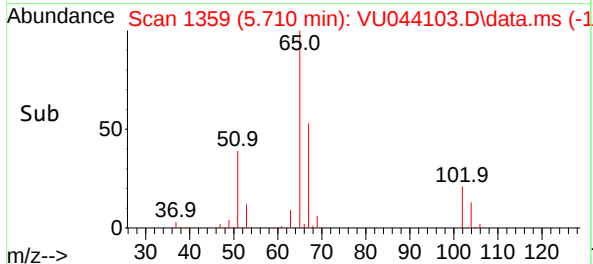
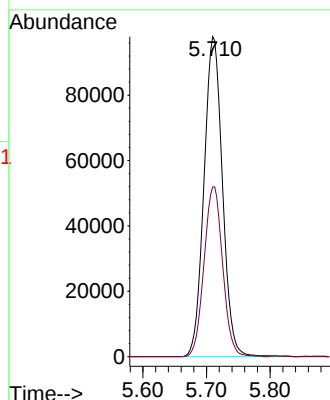
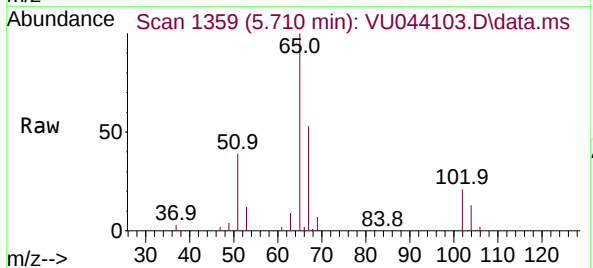


#33

1,2-Dichloroethane-d4
Concen: 52.929 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044103.D
Acq: 08 Jun 2021 10:20

Instrument :
MSVOA_U
ClientSampled :

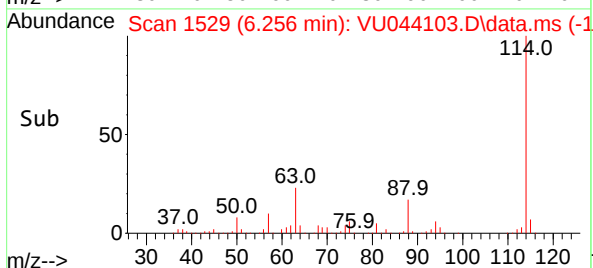
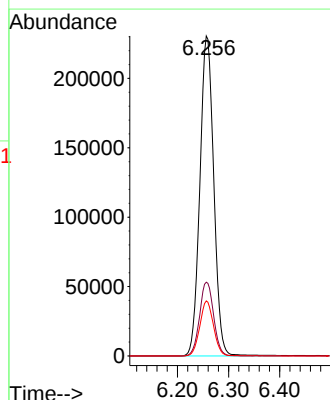
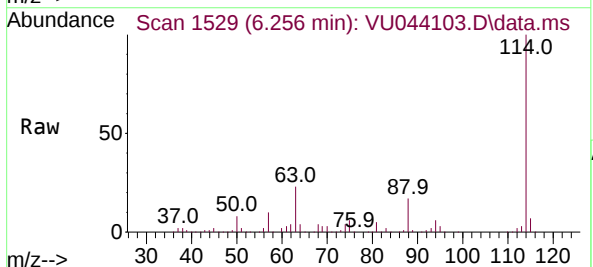
Tgt Ion: 65 Resp: 197681
Ion Ratio Lower Upper
65 100
67 53.5 0.0 109.2

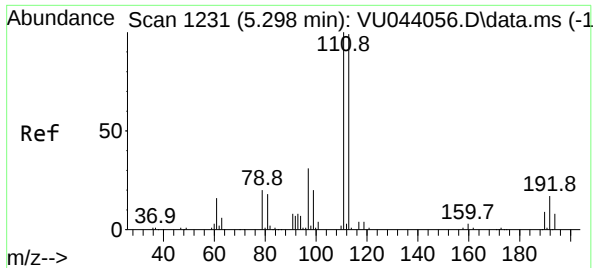


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044103.D
Acq: 08 Jun 2021 10:20

Tgt Ion: 114 Resp: 435996
Ion Ratio Lower Upper
114 100
63 23.1 0.0 48.4
88 17.2 0.0 34.4

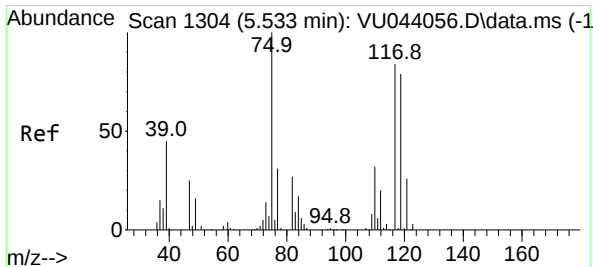
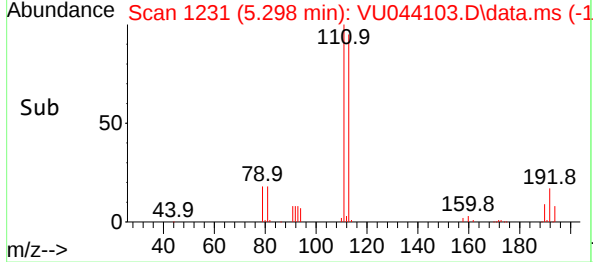
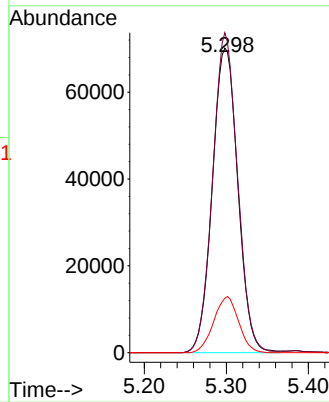
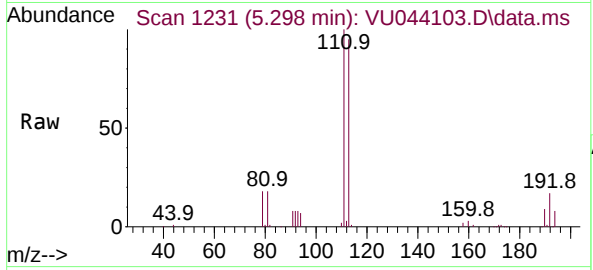




#35
Dibromofluoromethane
Concen: 48.695 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU044103.D
Acq: 08 Jun 2021 10:20

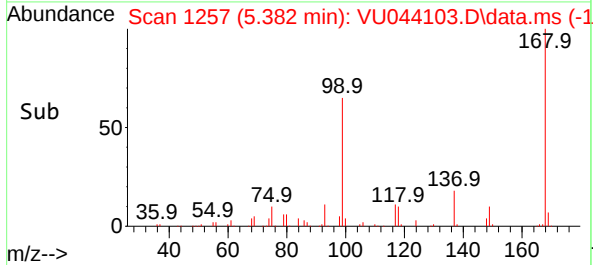
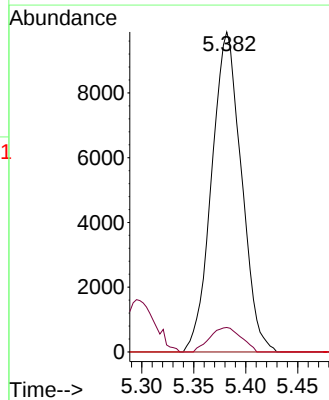
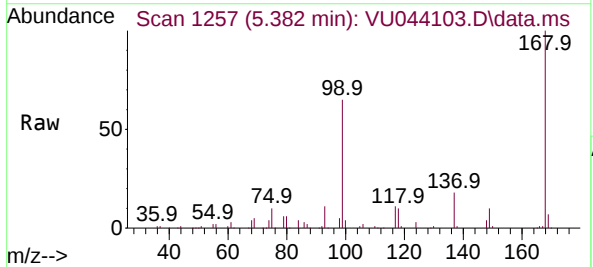
Instrument :
MSVOA_U
ClientSampleId :

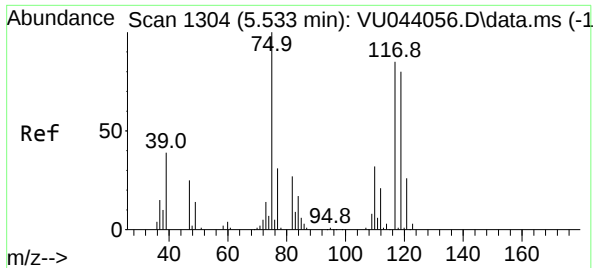
Tgt Ion:	113	Resp:	151506
Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.1	123.1
192	18.0	13.8	20.8



#36
1,1-Dichloropropene
Concen: 4.011 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044103.D
Acq: 08 Jun 2021 10:20

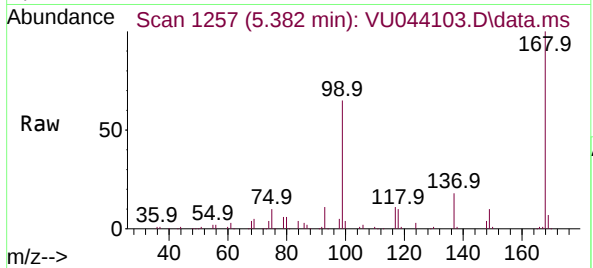
Tgt Ion:	75	Resp:	19704
Ion	Ratio	Lower	Upper
75	100		
110	8.1	15.9	47.7#
77	0.0	25.0	37.4#



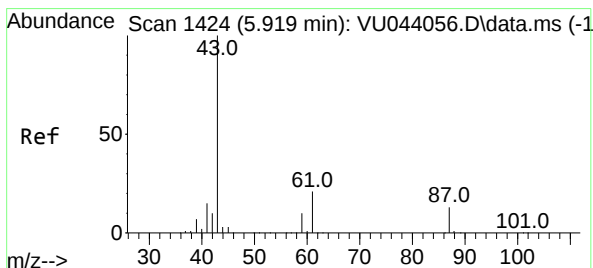
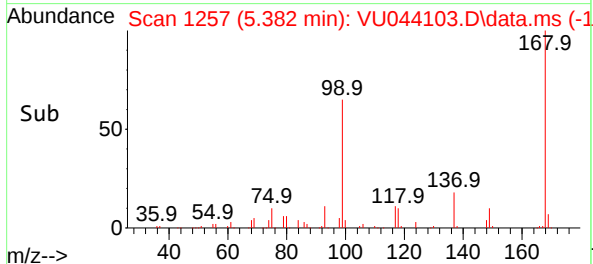
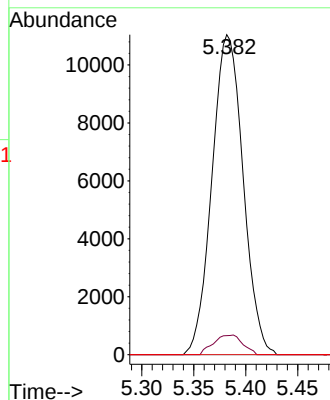


#38
Carbon Tetrachloride
Concen: 5.188 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044103.D
Acq: 08 Jun 2021 10:20

Instrument :
MSVOA_U
ClientSampled :

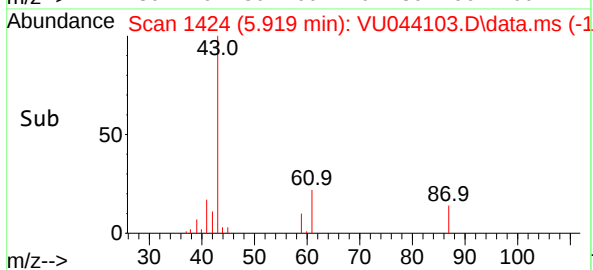
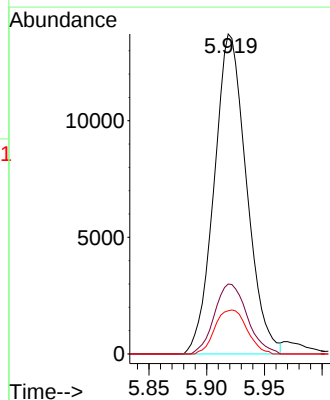
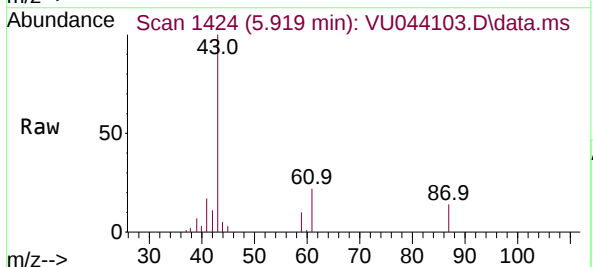


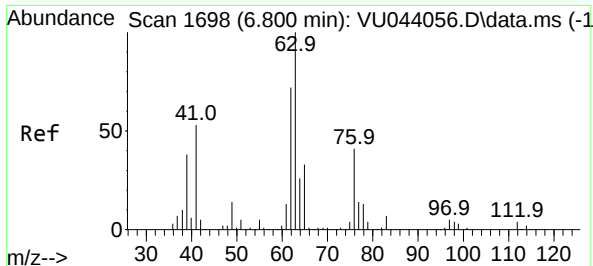
Tgt Ion:117 Resp: 23026
Ion Ratio Lower Upper
117 100
119 5.9 75.4 113.2#
121 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 3.050 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. -0.000 min
Lab File: VU044103.D
Acq: 08 Jun 2021 10:20

Tgt Ion: 43 Resp: 26692
Ion Ratio Lower Upper
43 100
61 22.2 16.8 25.2
87 13.6 10.2 15.2

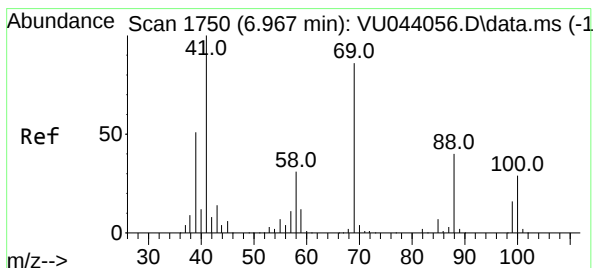
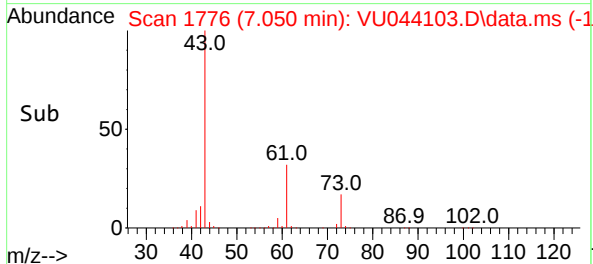
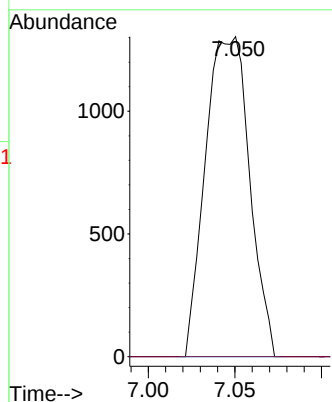
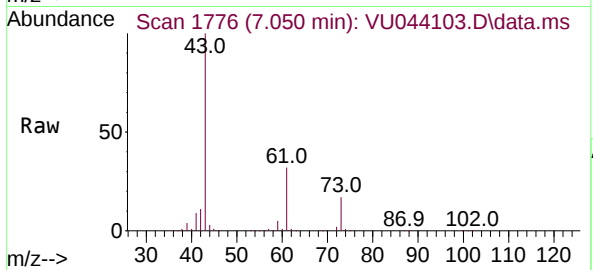




#45
1,2-Dichloropropane
Concen: 0.571 ug/l
RT: 7.050 min Scan# 1776
Delta R.T. 0.250 min
Lab File: VU044103.D
Acq: 08 Jun 2021 10:20

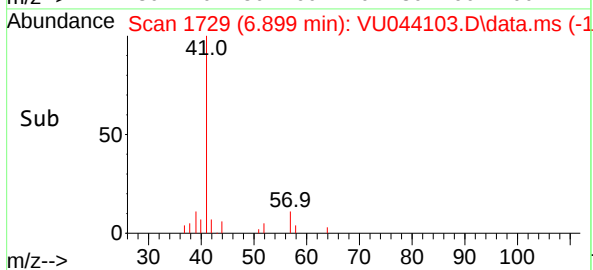
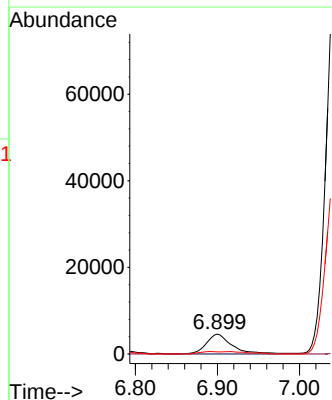
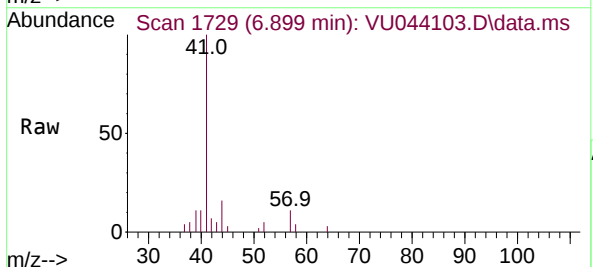
Instrument :
MSVOA_U
ClientSampled :

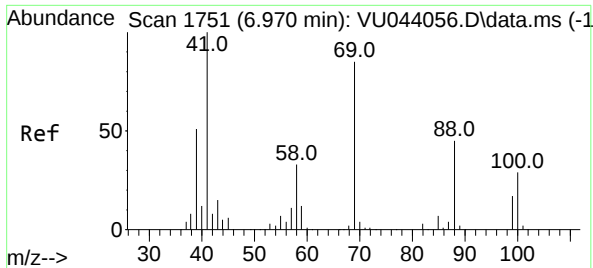
Tgt Ion: 63 Resp: 2308
Ion Ratio Lower Upper
63 100
65 0.0 26.3 39.5#



#48
Methyl methacrylate
Concen: 2.282 ug/l
RT: 6.899 min Scan# 1729
Delta R.T. -0.068 min
Lab File: VU044103.D
Acq: 08 Jun 2021 10:20

Tgt Ion: 41 Resp: 9845
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: 2.281 ug/l

RT: 7.038 min Scan# 1772

Delta R.T. 0.068 min

Lab File: VU044103.D

Acq: 08 Jun 2021 10:20

Tgt Ion: 88 Resp: 242

Ion Ratio Lower Upper

88 100

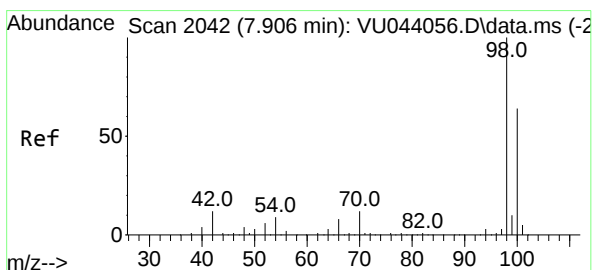
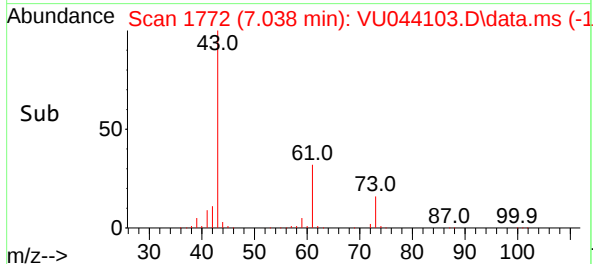
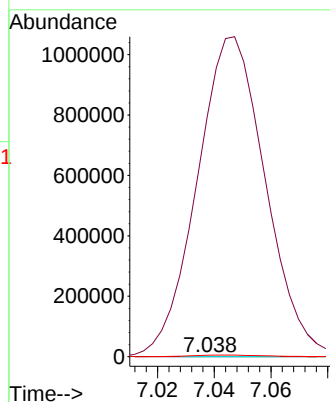
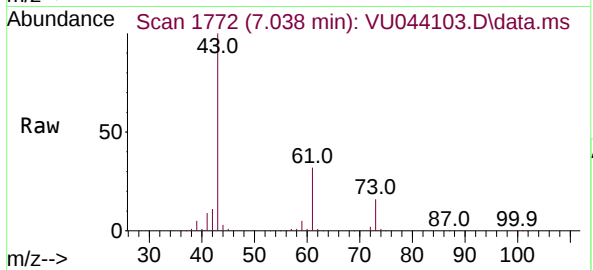
43 744424.4 25.0 37.4#

58 4148.8 60.0 90.0#

Instrument :

MSVOA_U

ClientSampled :



#50

Toluene-d8

Concen: 50.307 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. -0.000 min

Lab File: VU044103.D

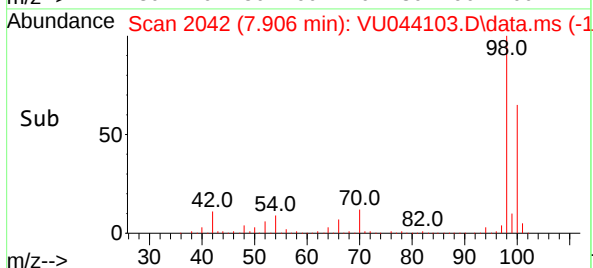
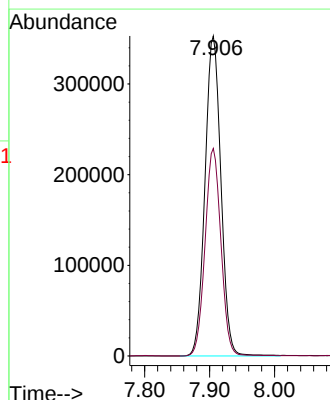
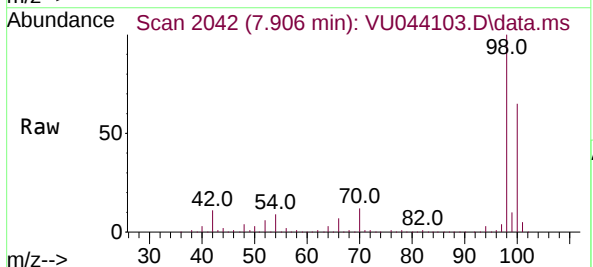
Acq: 08 Jun 2021 10:20

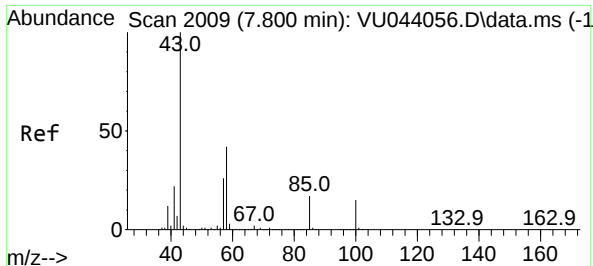
Tgt Ion: 98 Resp: 603737

Ion Ratio Lower Upper

98 100

100 64.6 51.6 77.4

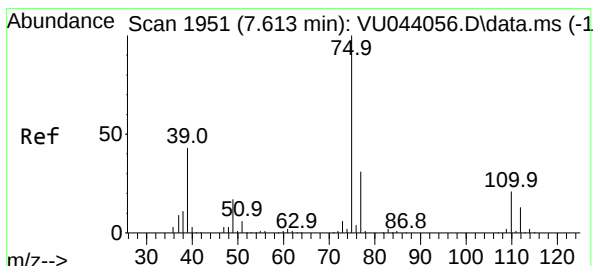
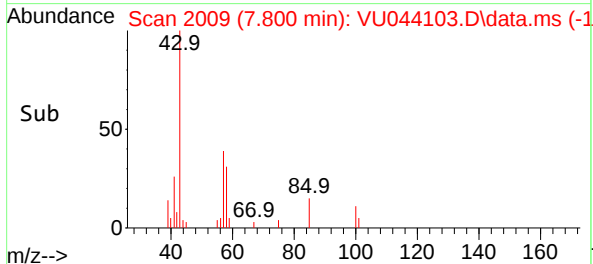
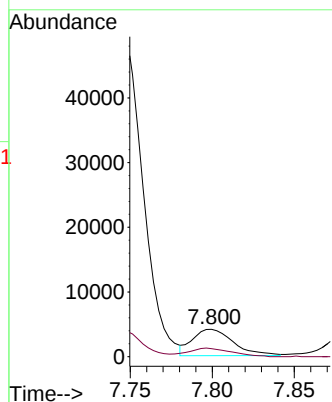
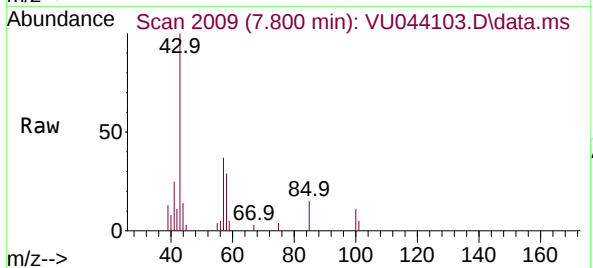




#51
4-Methyl-2-Pentanone
Concen: 1.090 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VU044103.D
Acq: 08 Jun 2021 10:20

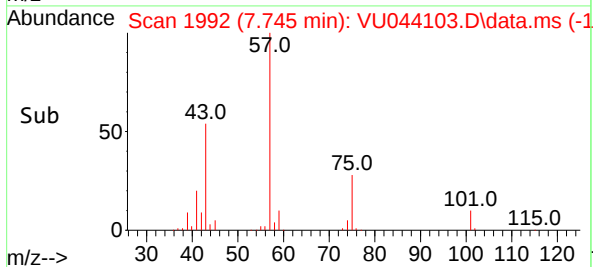
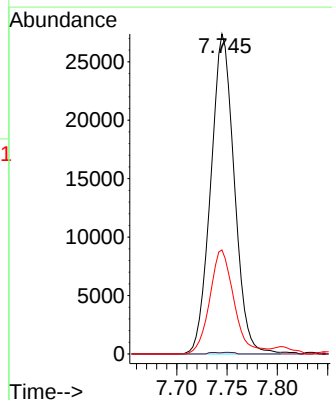
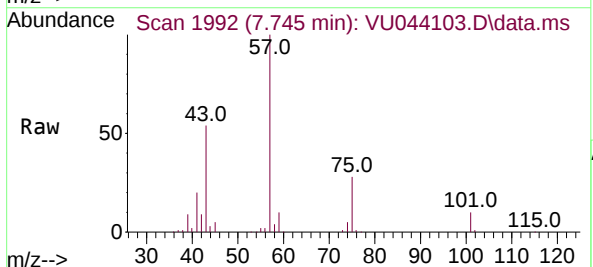
Instrument :
MSVOA_U
ClientSampled :

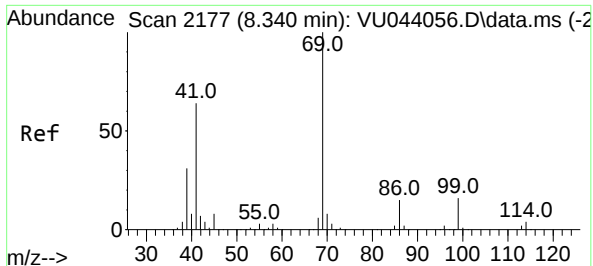
Tgt Ion: 43 Resp: 7081
Ion Ratio Lower Upper
43 100
58 34.7 33.3 49.9



#54
cis-1,3-Dichloropropene
Concen: 7.429 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. 0.132 min
Lab File: VU044103.D
Acq: 08 Jun 2021 10:20

Tgt Ion: 75 Resp: 44623
Ion Ratio Lower Upper
75 100
77 0.4 25.0 37.4#
39 32.5 34.7 52.1#

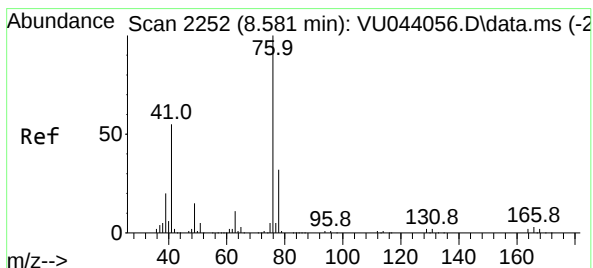
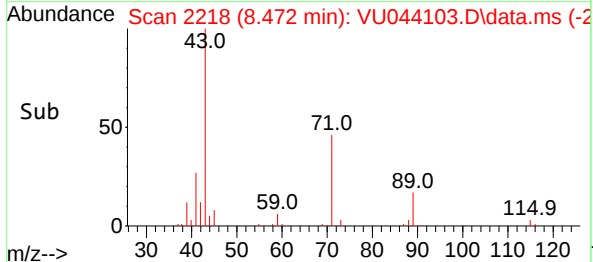
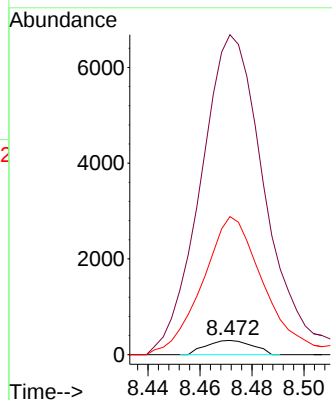
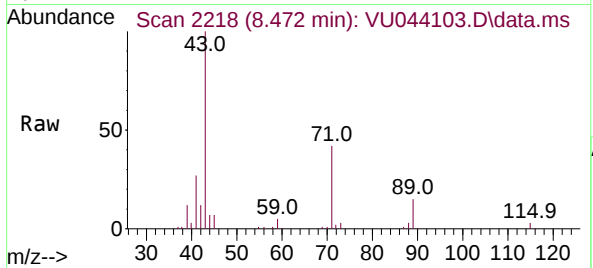




#56
Ethyl methacrylate
Concen: 3.438 ug/l
RT: 8.472 min Scan# 2218
Delta R.T. 0.132 min
Lab File: VU044103.D
Acq: 08 Jun 2021 10:20

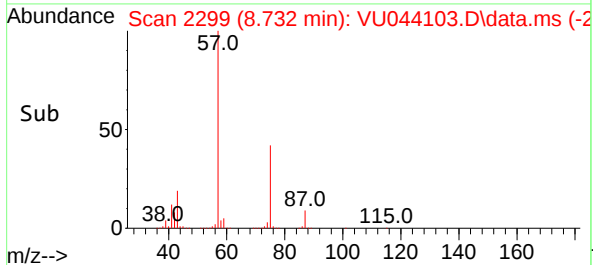
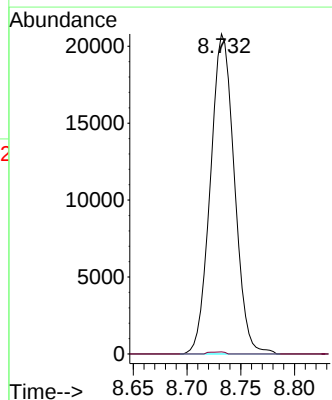
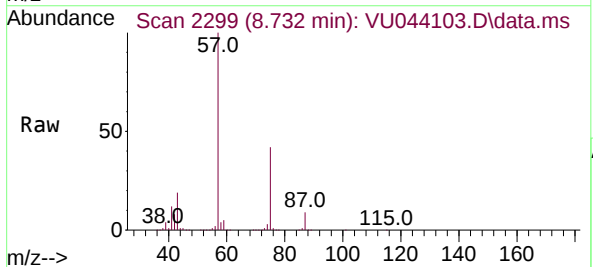
Instrument :
MSVOA_U
ClientSampled :

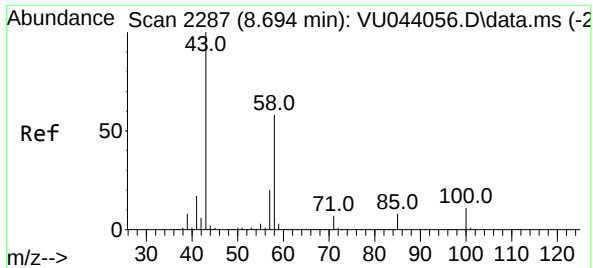
Tgt Ion: 69 Resp: 370
Ion Ratio Lower Upper
69 100
41 3121.9 51.4 77.0#
39 1271.4 24.9 37.3#



#57
1,3-Dichloropropane
Concen: 4.881 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.151 min
Lab File: VU044103.D
Acq: 08 Jun 2021 10:20

Tgt Ion: 76 Resp: 32284
Ion Ratio Lower Upper
76 100
78 0.4 25.9 38.9#

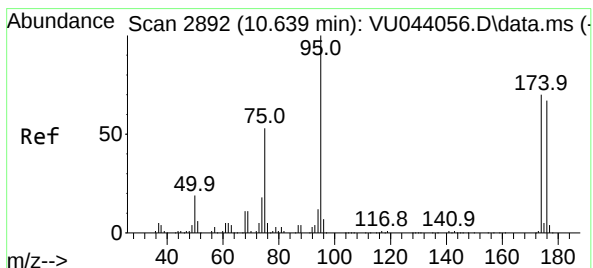
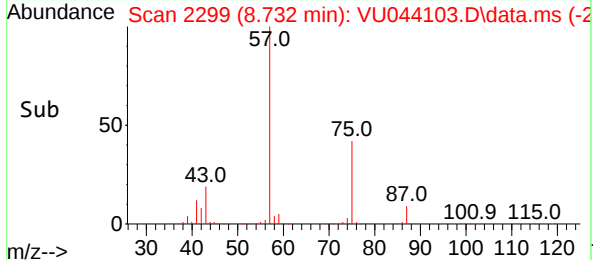
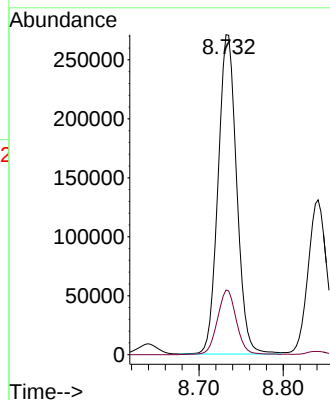
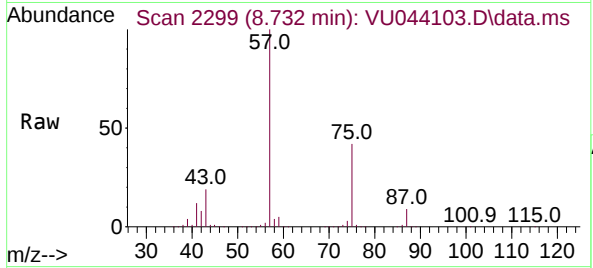




#59
2-Hexanone
Concen: 82.024 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.038 min
Lab File: VU044103.D
Acq: 08 Jun 2021 10:20

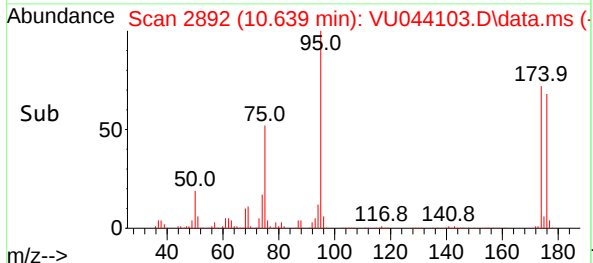
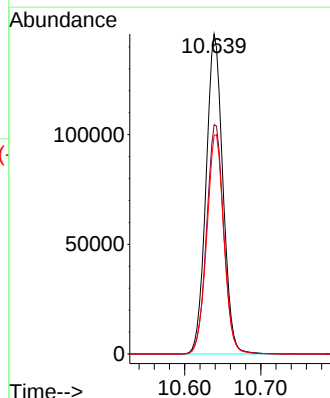
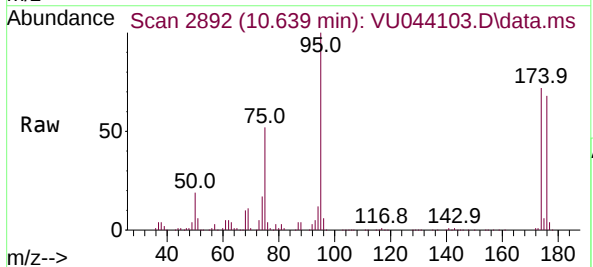
Instrument :
MSVOA_U
ClientSampled :

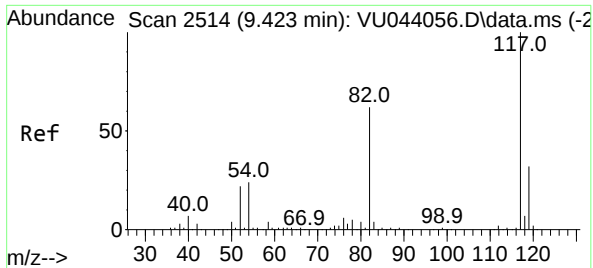
Tgt Ion: 43 Resp: 414194
Ion Ratio Lower Upper
43 100
58 20.8 29.0 87.1#



#62
4-Bromofluorobenzene
Concen: 47.197 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044103.D
Acq: 08 Jun 2021 10:20

Tgt Ion: 95 Resp: 224254
Ion Ratio Lower Upper
95 100
174 73.2 0.0 141.0
176 69.7 0.0 135.2

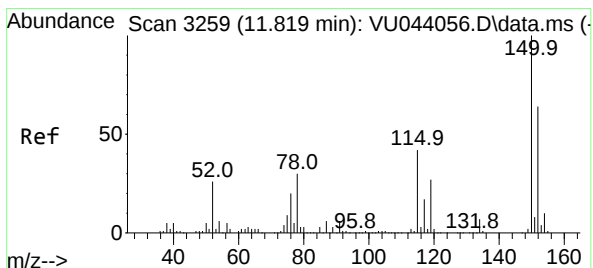
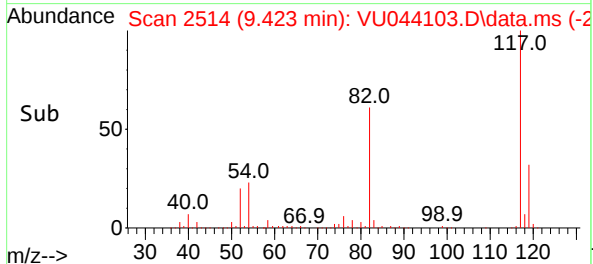
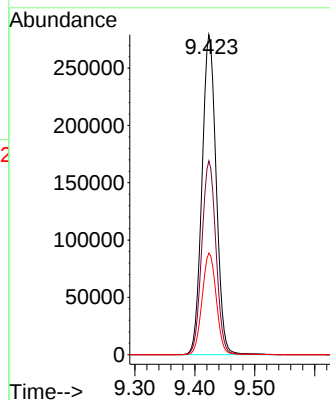
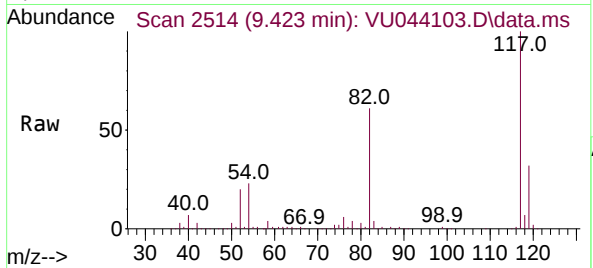




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU044103.D
Acq: 08 Jun 2021 10:20

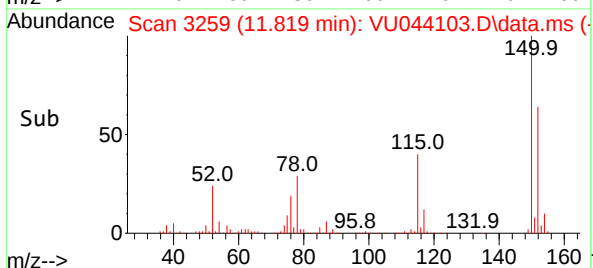
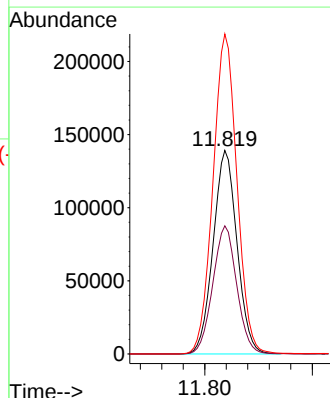
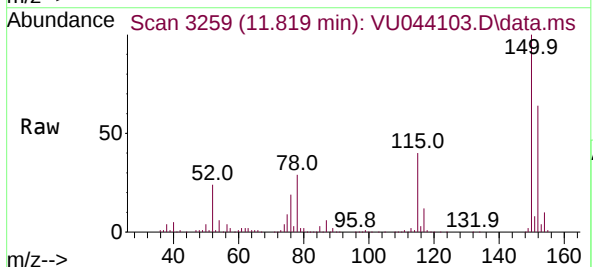
Instrument :
MSVOA_U
ClientSampleId :

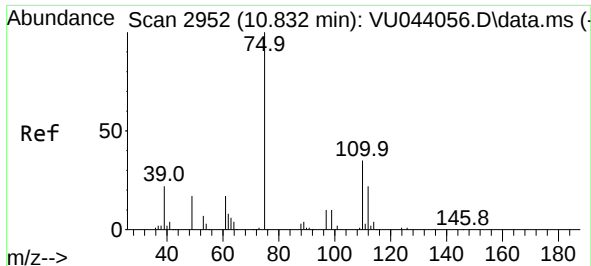
Tgt Ion:117 Resp: 460544
Ion Ratio Lower Upper
117 100
82 60.6 50.0 75.0
119 31.7 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU044103.D
Acq: 08 Jun 2021 10:20

Tgt Ion:152 Resp: 214581
Ion Ratio Lower Upper
152 100
115 63.1 44.6 134.0
150 157.8 0.0 347.8

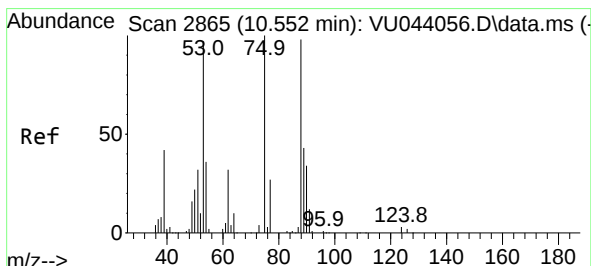
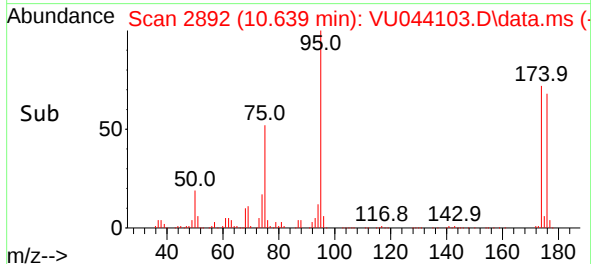
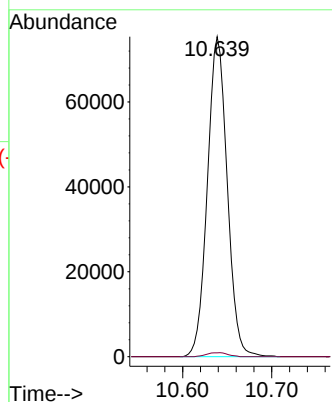
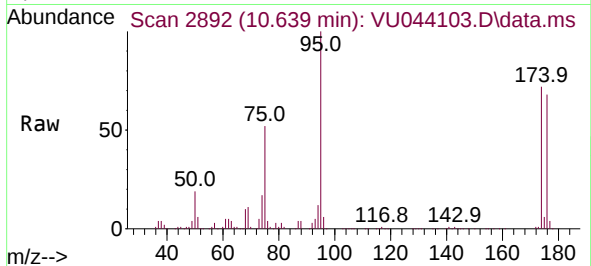




#76
1,2,3-Trichloropropane
Concen: 19.387 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU044103.D
Acq: 08 Jun 2021 10:20

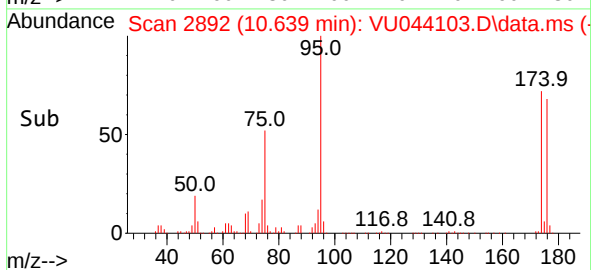
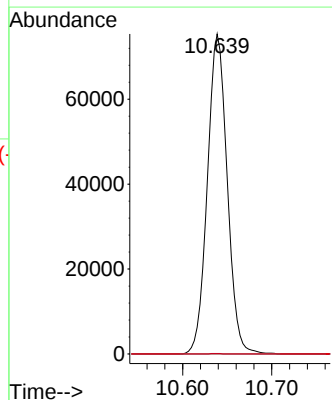
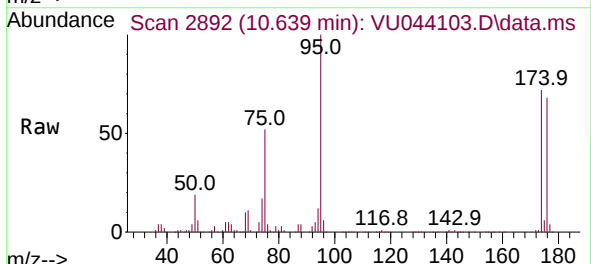
Instrument :
MSVOA_U
ClientSampled :

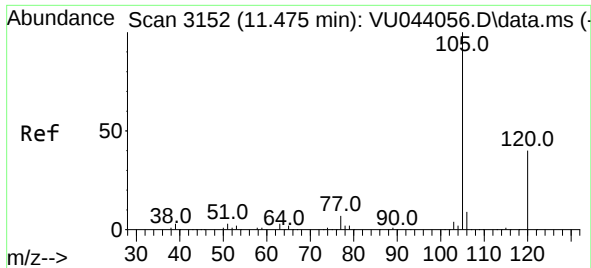
Tgt Ion: 75 Resp: 116377
Ion Ratio Lower Upper
75 100
77 1.3 16.9 50.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.611 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044103.D
Acq: 08 Jun 2021 10:20

Tgt Ion: 75 Resp: 116377
Ion Ratio Lower Upper
75 100
53 0.1 76.9 115.3#
89 0.0 33.8 50.8#

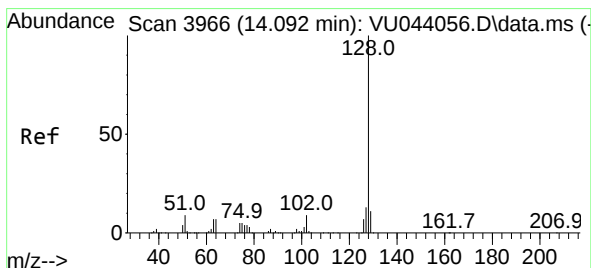
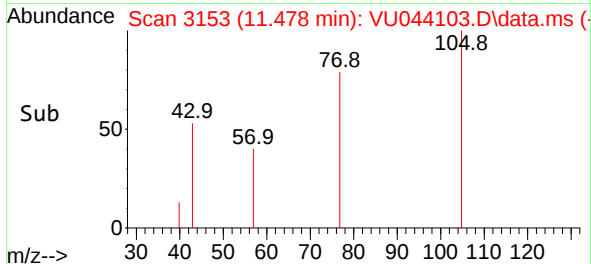
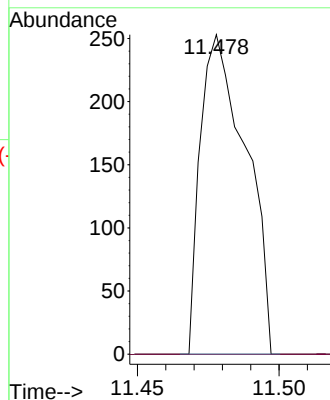
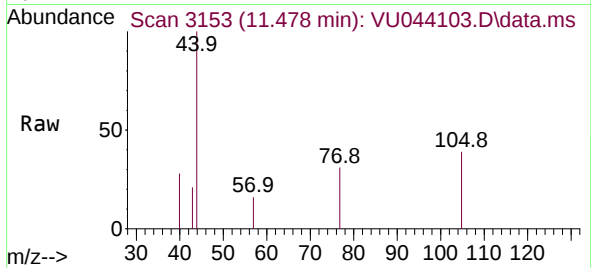




#84
1,2,4-Trimethylbenzene
Concen: 0.969 ug/l
RT: 11.478 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VU044103.D
Acq: 08 Jun 2021 10:20

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:105 Resp: 282
Ion Ratio Lower Upper
105 100
120 0.0 21.9 65.7#



#95
Naphthalene
Concen: 2.867 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. -0.000 min
Lab File: VU044103.D
Acq: 08 Jun 2021 10:20

Tgt Ion:128 Resp: 335
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.7 13.1#

