

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060821\
 Data File : VU044101.D
 Acq On : 08 Jun 2021 09:33
 Operator : SY/MD
 Sample : M2613-24
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 08 23:11:04 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)

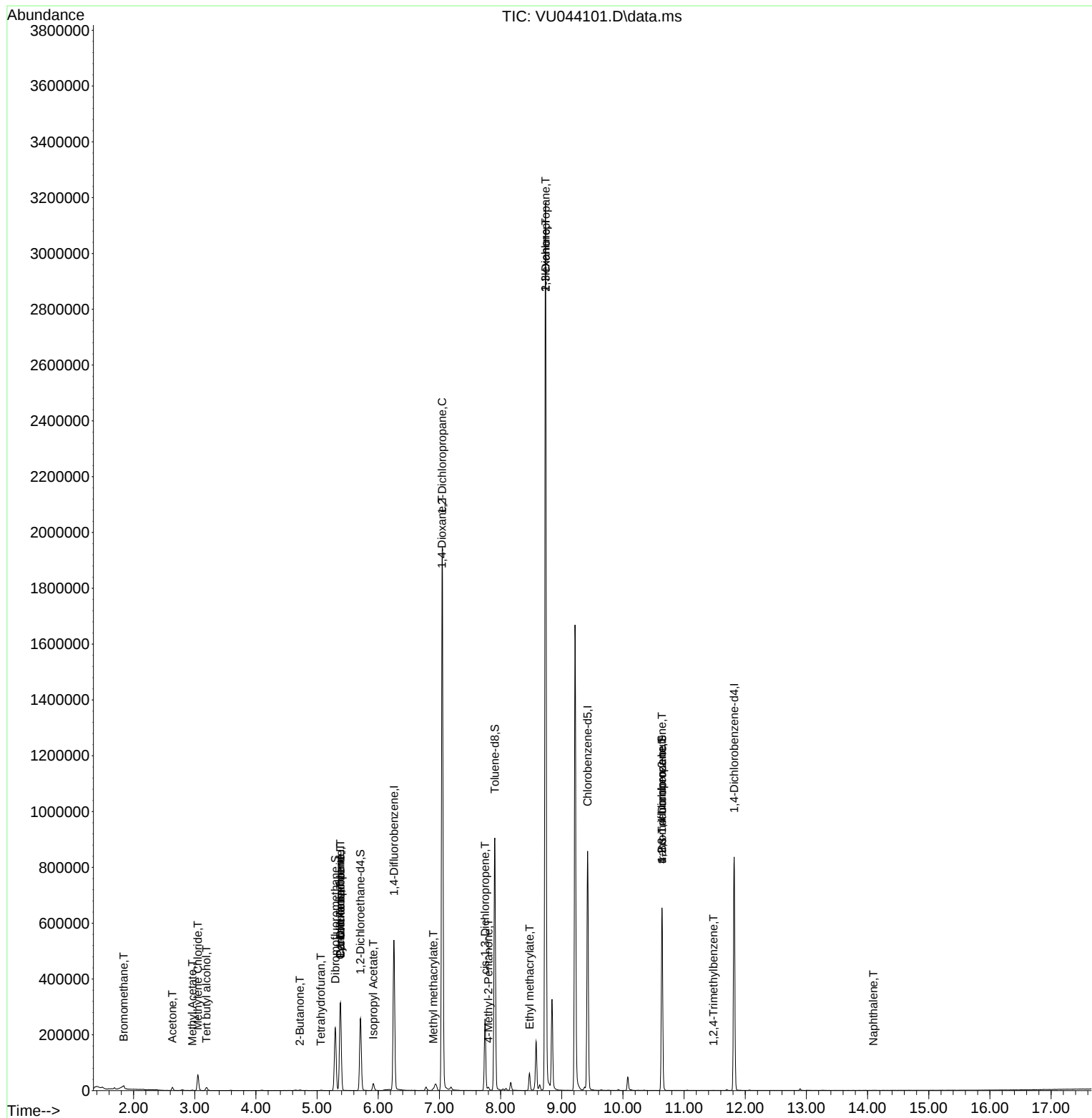
Internal Standards						
1) Pentafluorobenzene	5.382	168	205959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	412467	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	447682	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	210154	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	187432	52.254	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.500%	
35) Dibromofluoromethane	5.298	113	145485	49.427	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.860%	
50) Toluene-d8	7.906	98	575215	50.664	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.320%	
62) 4-Bromofluorobenzene	10.639	95	221328	49.238	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.480%	
Target Compounds					Qvalue	
3) Chloromethane	1.523	50	1031	Below Cal	#	88
5) Bromomethane	1.839	94	458	0.290	ug/l #	75
11) Tert butyl alcohol	3.189	59	7496	8.429	ug/l #	72
16) Acetone	2.636	43	12632	6.102	ug/l	95
18) Methyl Acetate	2.961	43	2072	0.454	ug/l #	86
20) Methylene Chloride	3.051	84	26576	7.102	ug/l	97
25) 2-Butanone	4.719	43	3133	1.061	ug/l	93
29) Tetrahydrofuran	5.063	42	1098	0.670	ug/l #	67
31) Cyclohexane	5.379	56	4752	0.960	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	18561	3.994	ug/l #	51
38) Carbon Tetrachloride	5.382	117	22216	5.291	ug/l #	18
43) Isopropyl Acetate	5.919	43	26232	3.169	ug/l	97
45) 1,2-Dichloropropane	7.044	63	2462	0.644	ug/l #	42
48) Methyl methacrylate	6.903	41	10231	2.507	ug/l #	14
49) 1,4-Dioxane	7.041	88	268	2.671	ug/l #	1
51) 4-Methyl-2-Pentanone	7.800	43	7524	1.224	ug/l	90
54) cis-1,3-Dichloropropene	7.745	75	45806	8.061	ug/l #	64
56) Ethyl methacrylate	8.475	69	449	3.453	ug/l #	1
57) 1,3-Dichloropropane	8.735	76	32296	5.161	ug/l #	43
59) 2-Hexanone	8.735	43	424286	88.815	ug/l #	50
76) 1,2,3-Trichloropropane	10.639	75	114855	19.537	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.639	75	114855	57.047	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.481	105	131	0.958	ug/l #	32
95) Naphthalene	14.095	128	587	2.884	ug/l #	69

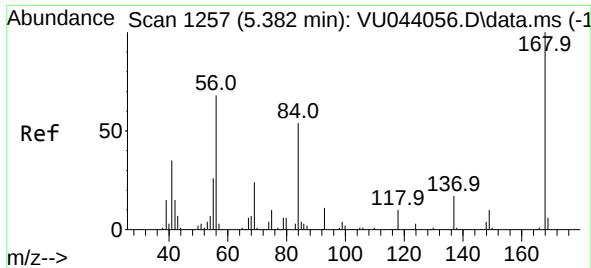
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

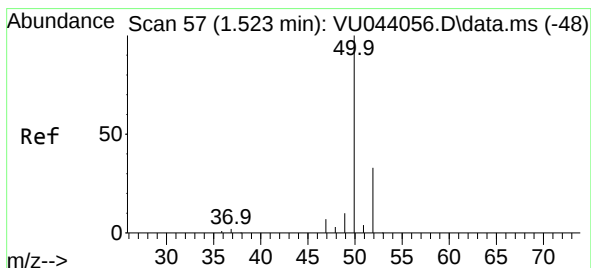
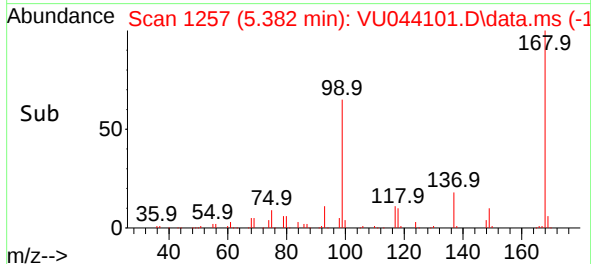
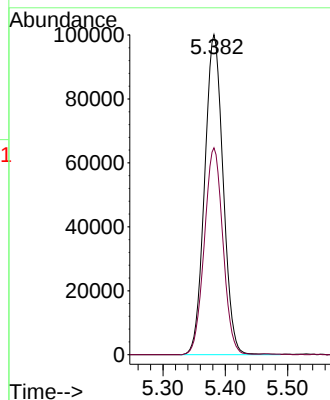
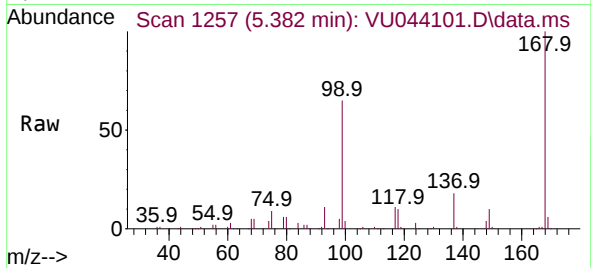




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044101.D
Acq: 08 Jun 2021 09:33

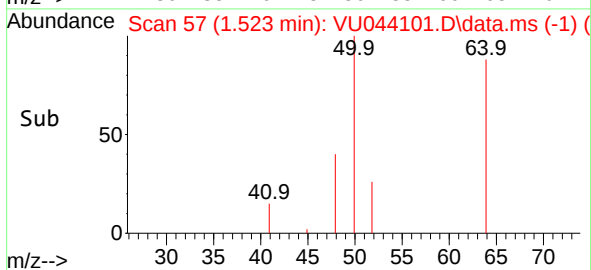
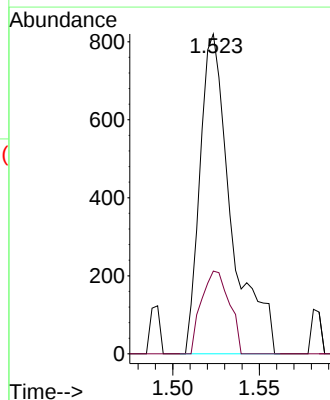
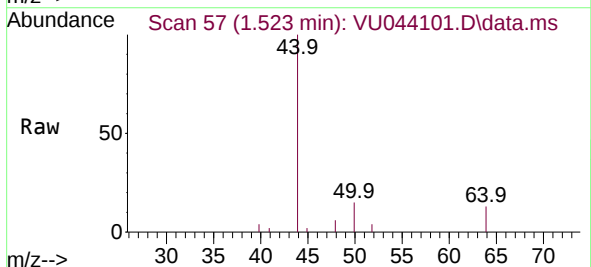
Instrument :
MSVOA_U
ClientSampled :

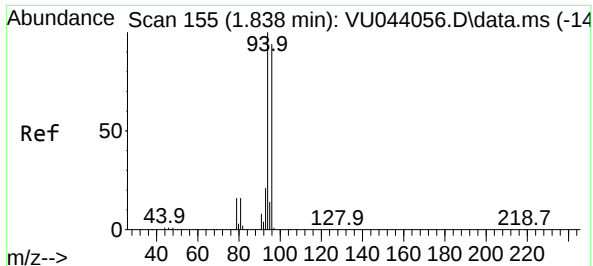
Tgt Ion:168 Resp: 205959
Ion Ratio Lower Upper
168 100
99 64.6 52.6 78.8



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU044101.D
Acq: 08 Jun 2021 09:33

Tgt Ion: 50 Resp: 1031
Ion Ratio Lower Upper
50 100
52 25.9 26.2 39.2#

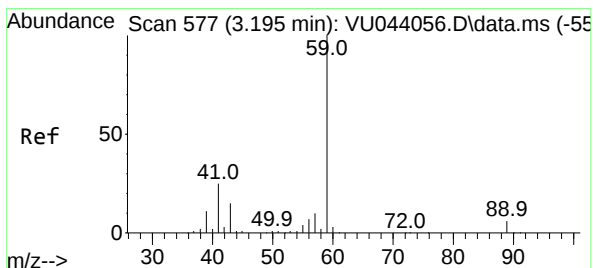
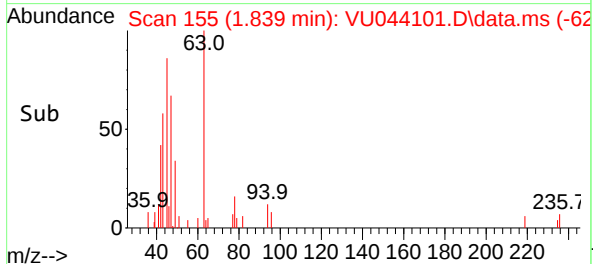
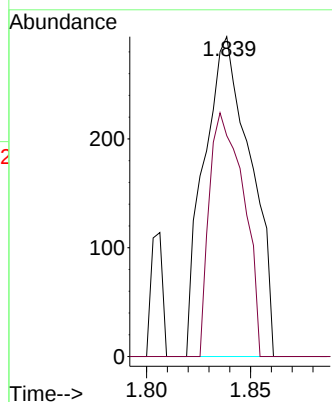
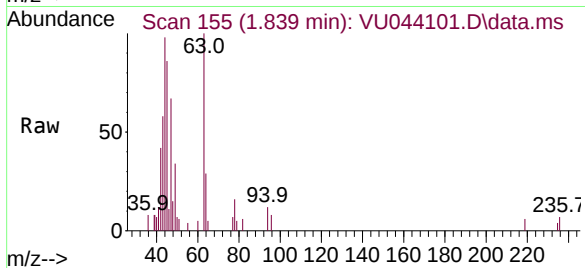




#5
Bromomethane
Concen: 0.290 ug/l
RT: 1.839 min Scan# 155
Delta R.T. 0.001 min
Lab File: VU044101.D
Acq: 08 Jun 2021 09:33

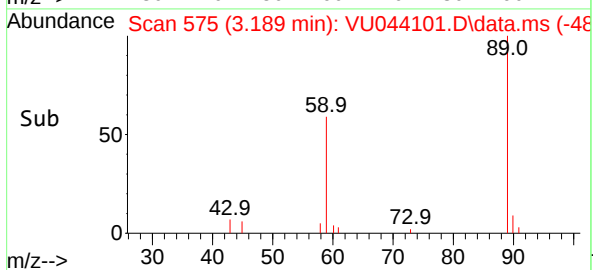
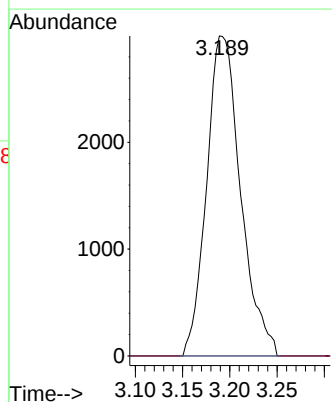
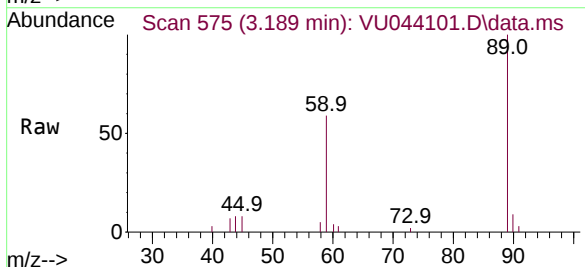
Instrument :
MSVOA_U
ClientSampleId :

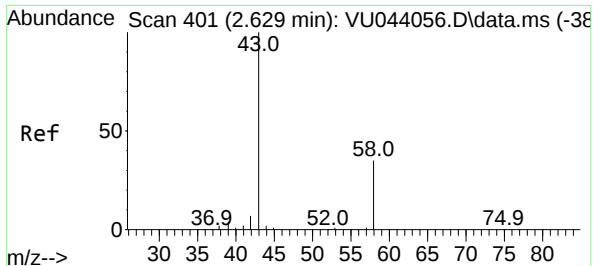
Tgt Ion: 94 Resp: 458
Ion Ratio Lower Upper
94 100
96 69.0 74.8 112.2#



#11
Tert butyl alcohol
Concen: 8.429 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.006 min
Lab File: VU044101.D
Acq: 08 Jun 2021 09:33

Tgt Ion: 59 Resp: 7496
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

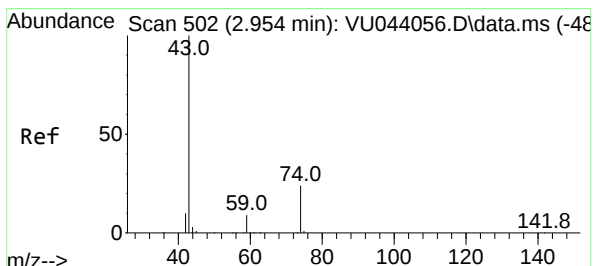
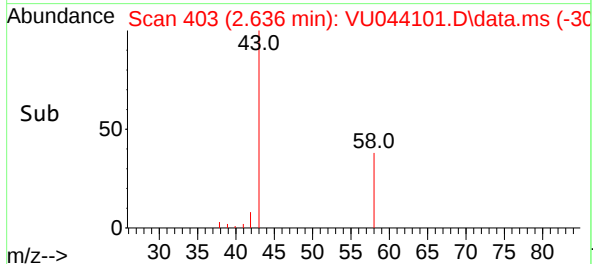
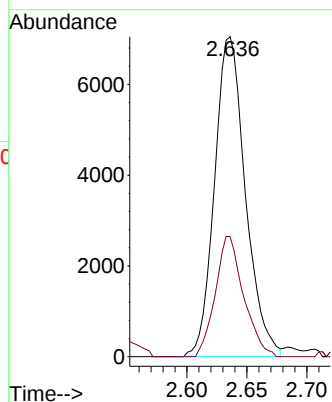
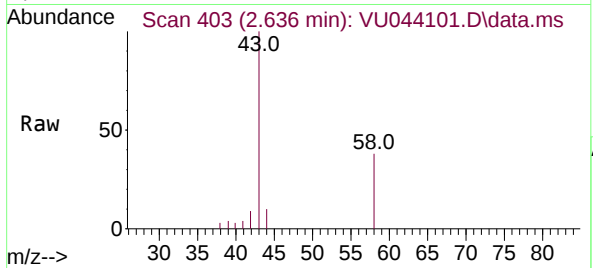




#16
Acetone
Concen: 6.102 ug/l
RT: 2.636 min Scan# 403
Delta R.T. 0.007 min
Lab File: VU044101.D
Acq: 08 Jun 2021 09:33

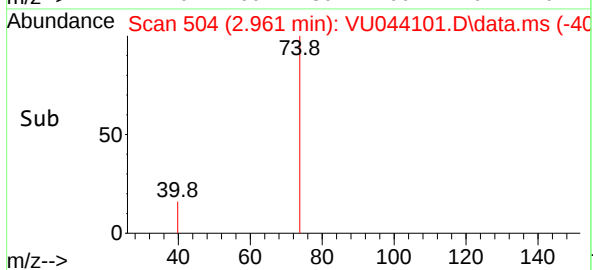
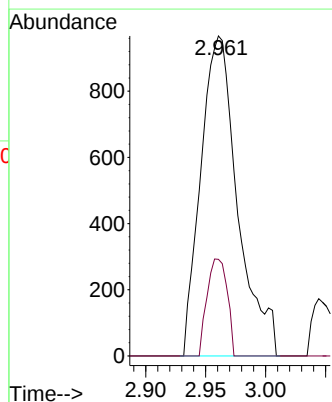
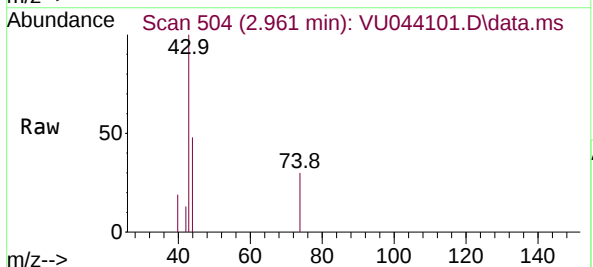
Instrument :
MSVOA_U
ClientSampleId :

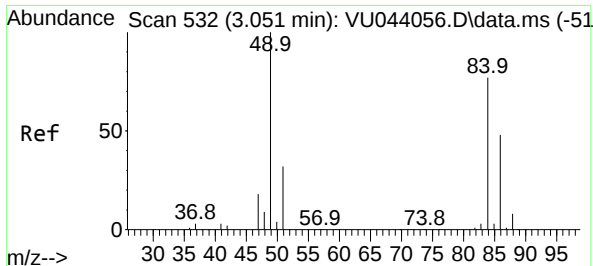
Tgt Ion: 43 Resp: 12632
Ion Ratio Lower Upper
43 100
58 37.5 27.7 41.5



#18
Methyl Acetate
Concen: 0.454 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.007 min
Lab File: VU044101.D
Acq: 08 Jun 2021 09:33

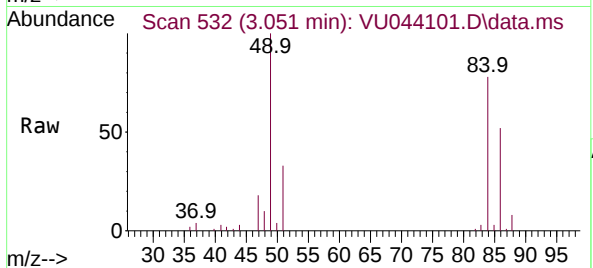
Tgt Ion: 43 Resp: 2072
Ion Ratio Lower Upper
43 100
74 16.4 18.7 28.1#



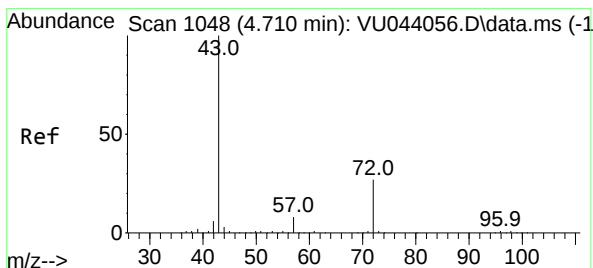
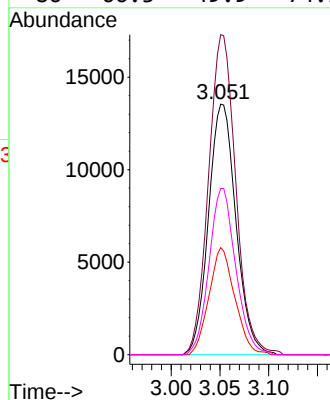
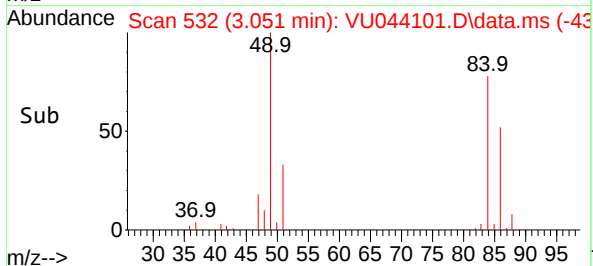


#20
Methylene Chloride
Concen: 7.102 ug/l
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU044101.D
Acq: 08 Jun 2021 09:33

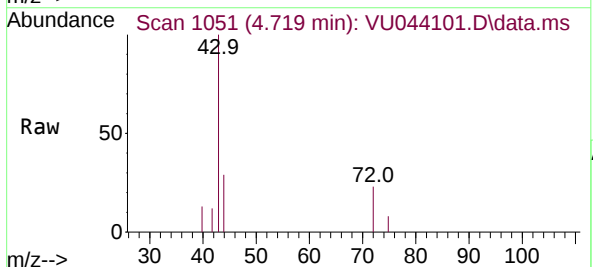
Instrument :
MSVOA_U
ClientSampleId :



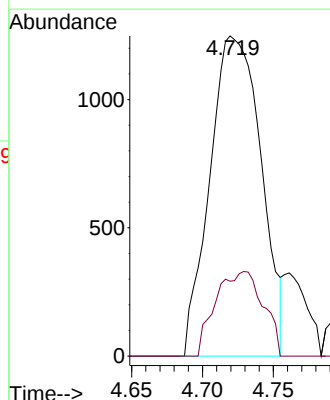
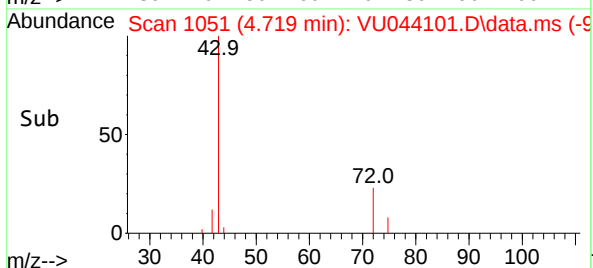
Tgt Ion:	84	Resp:	26576
Ion	Ratio	Lower	Upper
84	100		
49	127.7	103.6	155.4
51	42.7	32.8	49.2
86	66.3	49.9	74.9

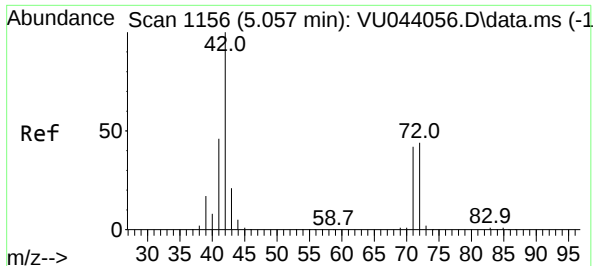


#25
2-Butanone
Concen: 1.061 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. 0.009 min
Lab File: VU044101.D
Acq: 08 Jun 2021 09:33



Tgt Ion:	43	Resp:	3133
Ion	Ratio	Lower	Upper
43	100		
72	23.4	21.4	32.2





#29

Tetrahydrofuran

Concen: 0.670 ug/l

RT: 5.063 min Scan# 1158

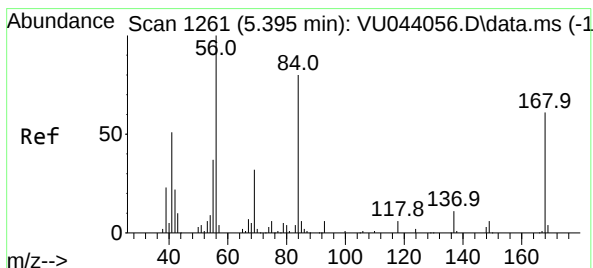
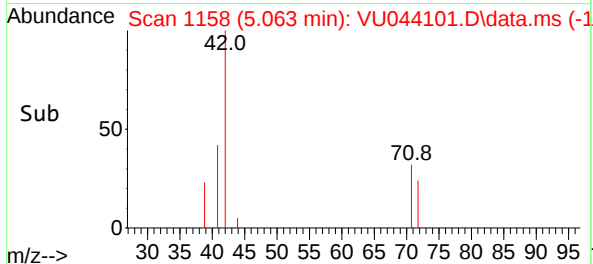
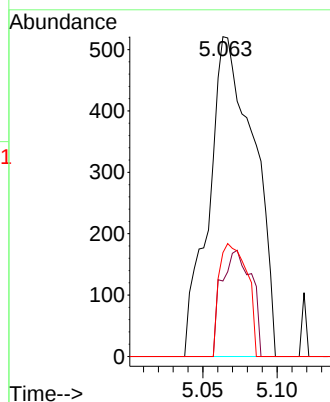
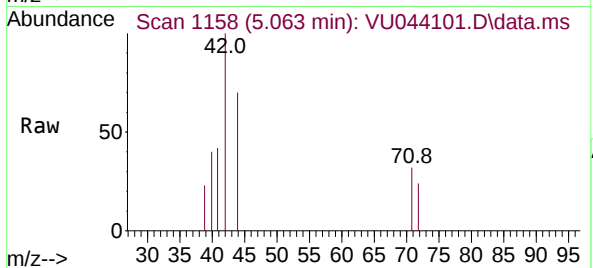
Delta R.T. 0.006 min

Lab File: VU044101.D

Acq: 08 Jun 2021 09:33

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:	42	Resp:	1098
Ion	Ratio	Lower	Upper
42	100		
72	22.0	35.6	53.4#
71	21.9	33.3	49.9#



#31

Cyclohexane

Concen: 0.960 ug/l

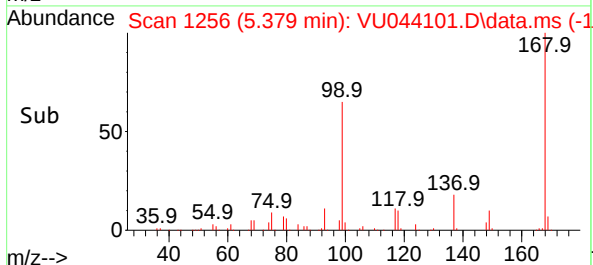
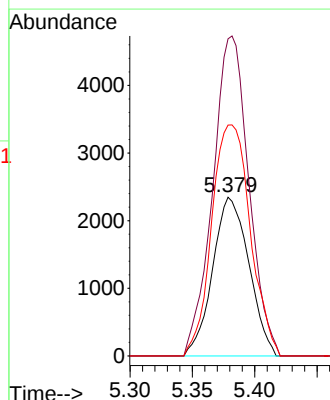
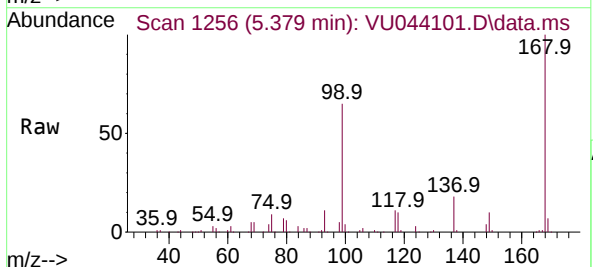
RT: 5.379 min Scan# 1256

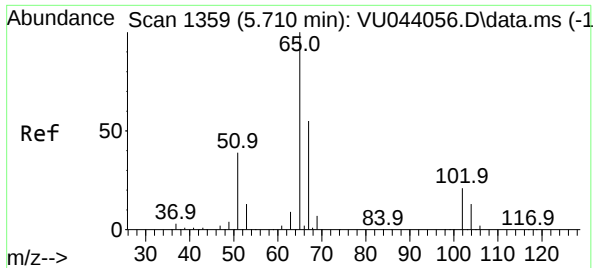
Delta R.T. -0.016 min

Lab File: VU044101.D

Acq: 08 Jun 2021 09:33

Tgt Ion:	56	Resp:	4752
Ion	Ratio	Lower	Upper
56	100		
69	199.7	25.4	38.2#
84	145.5	64.2	96.2#

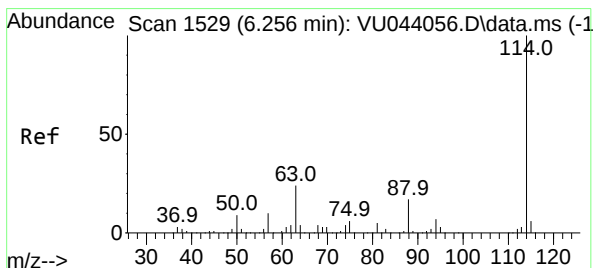
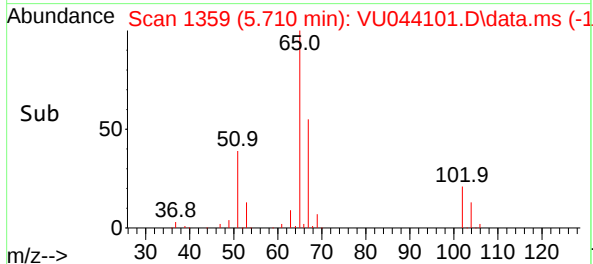
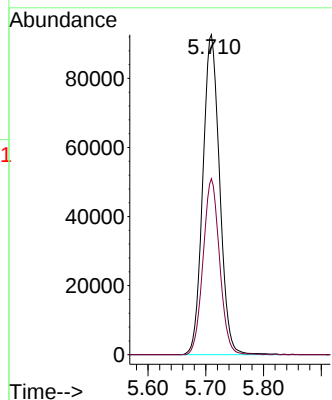
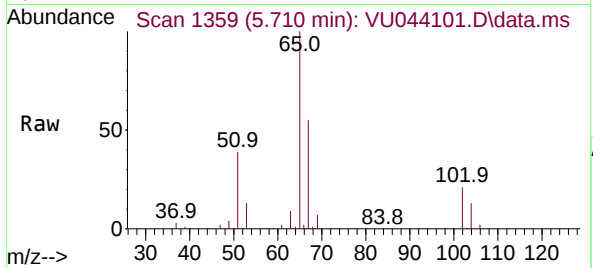




#33
1,2-Dichloroethane-d4
Concen: 52.254 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044101.D
Acq: 08 Jun 2021 09:33

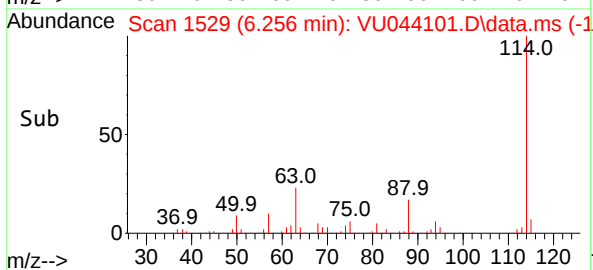
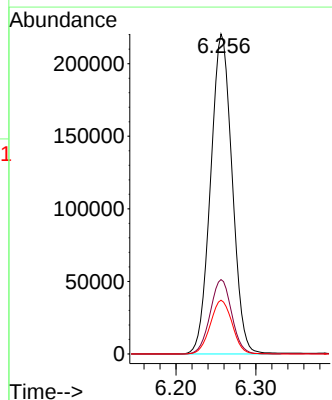
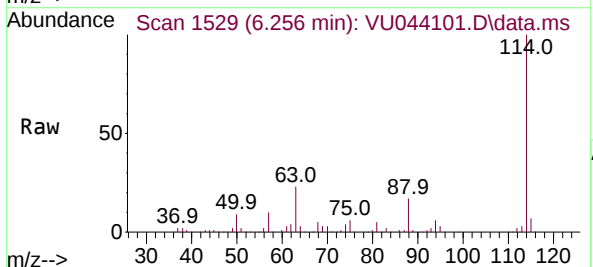
Instrument :
MSVOA_U
ClientSampleId :

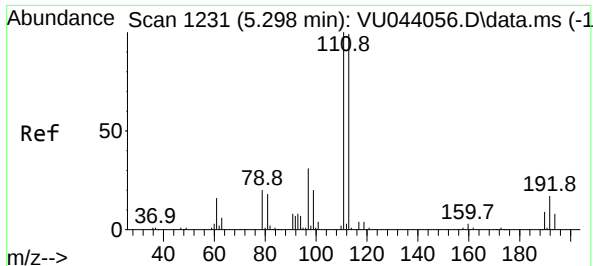
Tgt Ion: 65 Resp: 187432
Ion Ratio Lower Upper
65 100
67 53.9 0.0 109.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044101.D
Acq: 08 Jun 2021 09:33

Tgt Ion: 114 Resp: 412467
Ion Ratio Lower Upper
114 100
63 23.3 0.0 48.4
88 16.8 0.0 34.4

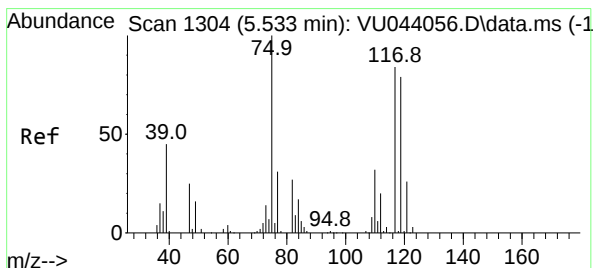
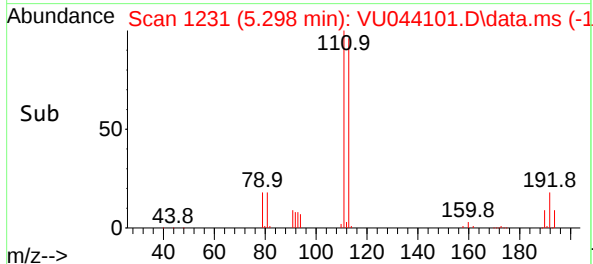
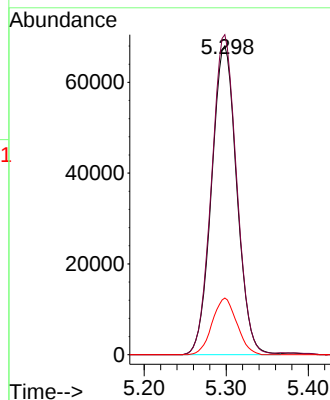
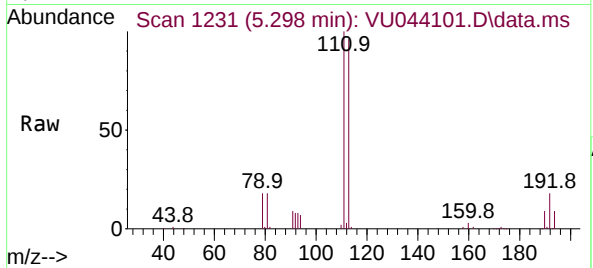




#35
Dibromofluoromethane
Concen: 49.427 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU044101.D
Acq: 08 Jun 2021 09:33

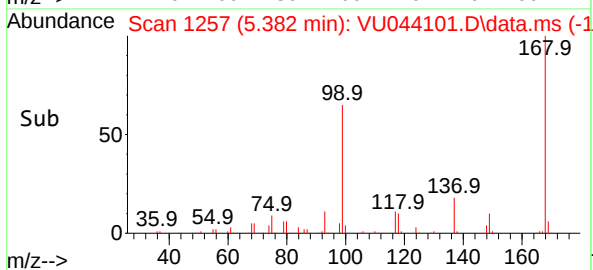
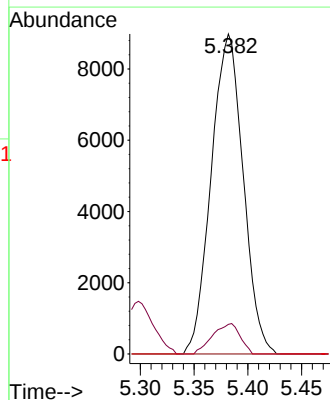
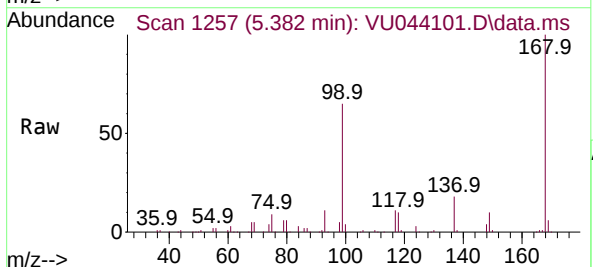
Instrument :
MSVOA_U
ClientSampleId :

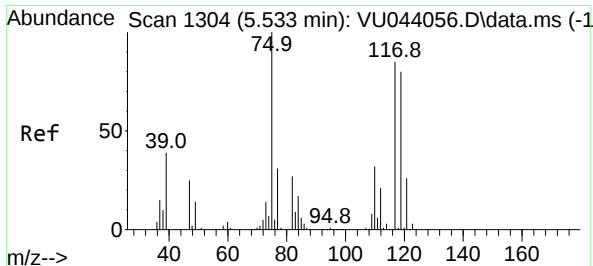
Tgt Ion:113 Resp: 145485
Ion Ratio Lower Upper
113 100
111 103.0 82.1 123.1
192 17.9 13.8 20.8



#36
1,1-Dichloropropene
Concen: 3.994 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044101.D
Acq: 08 Jun 2021 09:33

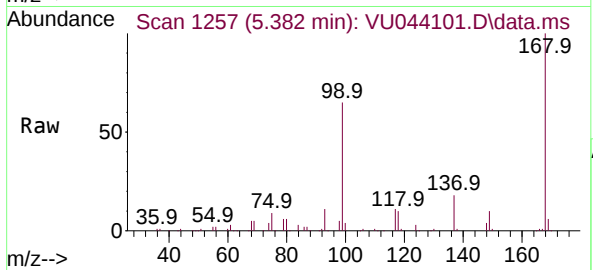
Tgt Ion: 75 Resp: 18561
Ion Ratio Lower Upper
75 100
110 8.2 15.9 47.7#
77 0.0 25.0 37.4#



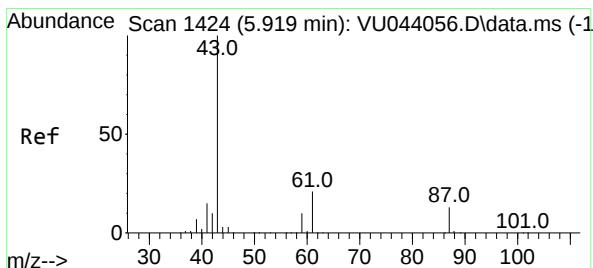
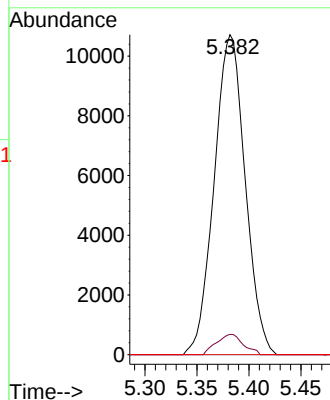
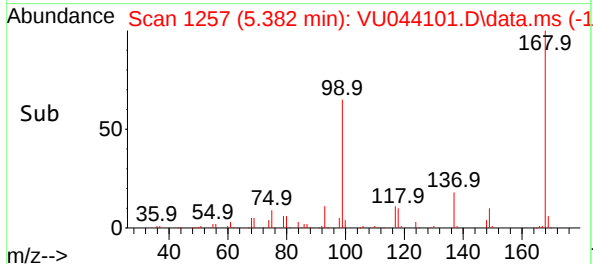


#38
Carbon Tetrachloride
Concen: 5.291 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044101.D
Acq: 08 Jun 2021 09:33

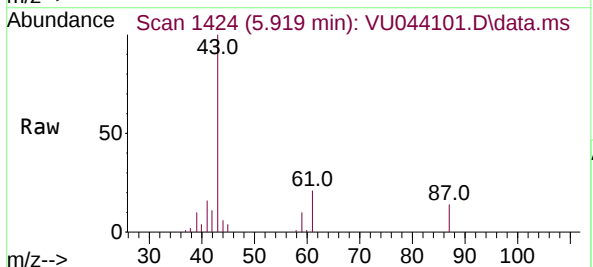
Instrument :
MSVOA_U
ClientSampleId :



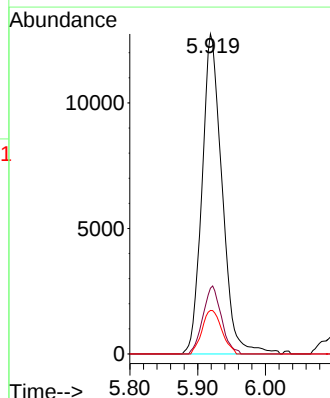
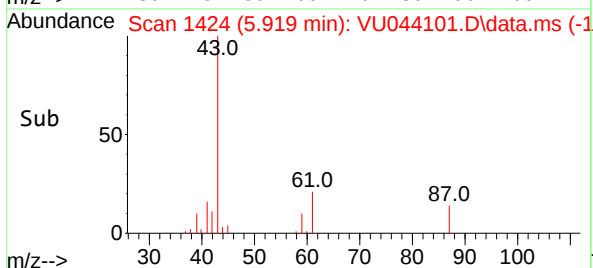
Tgt Ion:117 Resp: 22216
Ion Ratio Lower Upper
117 100
119 6.4 75.4 113.2#
121 0.0 24.5 36.7#

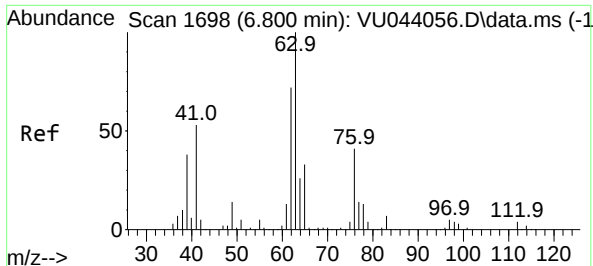


#43
Isopropyl Acetate
Concen: 3.169 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. -0.000 min
Lab File: VU044101.D
Acq: 08 Jun 2021 09:33



Tgt Ion: 43 Resp: 26232
Ion Ratio Lower Upper
43 100
61 19.5 16.8 25.2
87 13.4 10.2 15.2



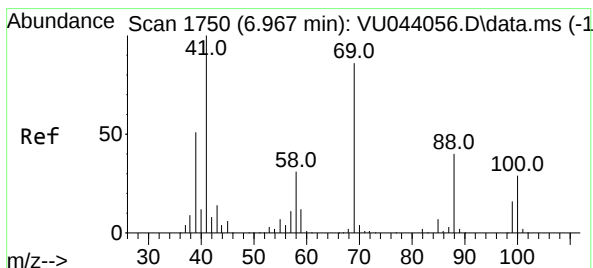
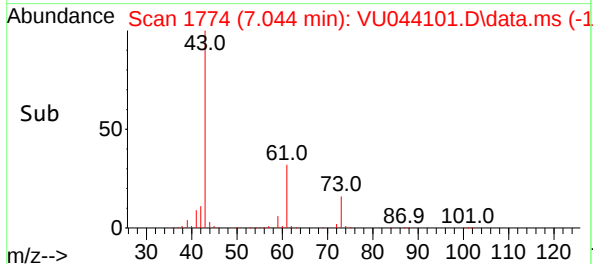
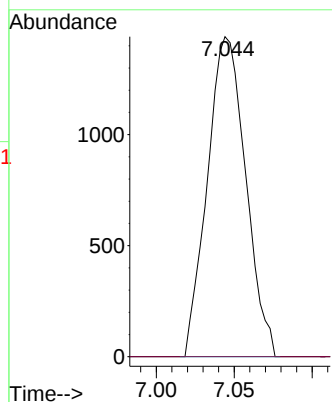
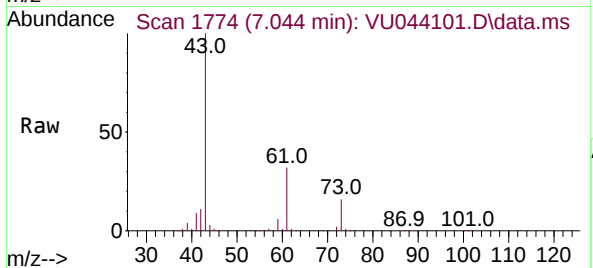


#45

1,2-Dichloropropane
Concen: 0.644 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.244 min
Lab File: VU044101.D
Acq: 08 Jun 2021 09:33

Instrument :
MSVOA_U
ClientSampled :

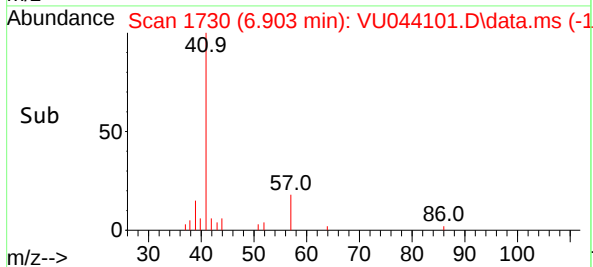
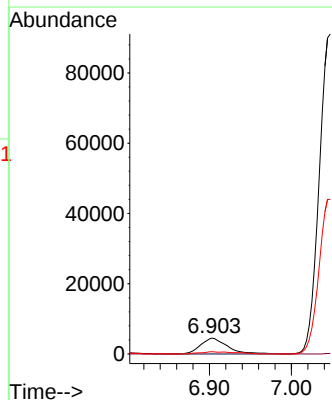
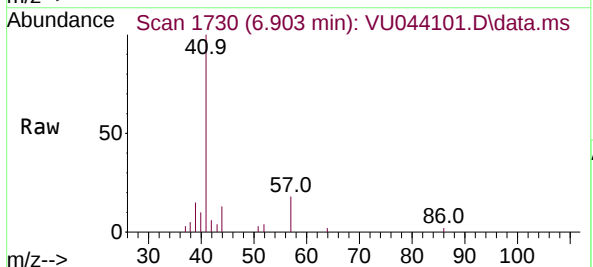
Tgt Ion: 63 Resp: 2462
Ion Ratio Lower Upper
63 100
65 0.0 26.3 39.5#

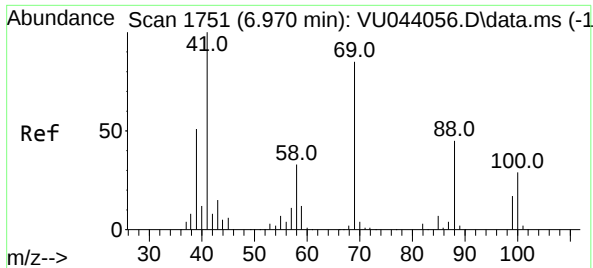


#48

Methyl methacrylate
Concen: 2.507 ug/l
RT: 6.903 min Scan# 1730
Delta R.T. -0.064 min
Lab File: VU044101.D
Acq: 08 Jun 2021 09:33

Tgt Ion: 41 Resp: 10231
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: 2.671 ug/l

RT: 7.041 min Scan# 1773

Delta R.T. 0.071 min

Lab File: VU044101.D

Acq: 08 Jun 2021 09:33

Tgt Ion: 88 Resp: 268

Ion Ratio Lower Upper

88 100

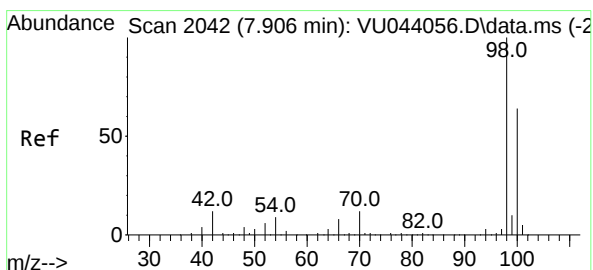
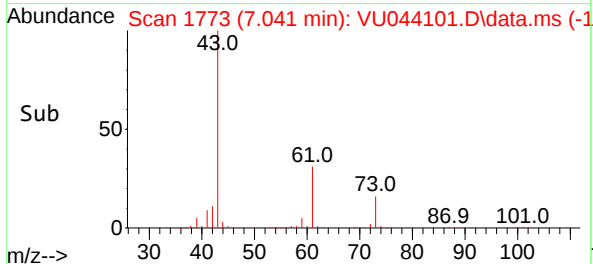
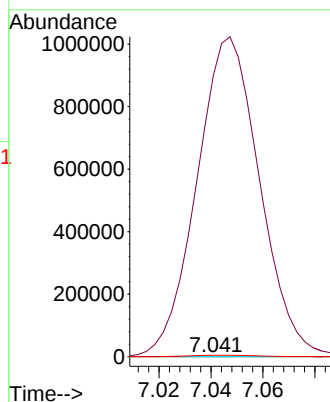
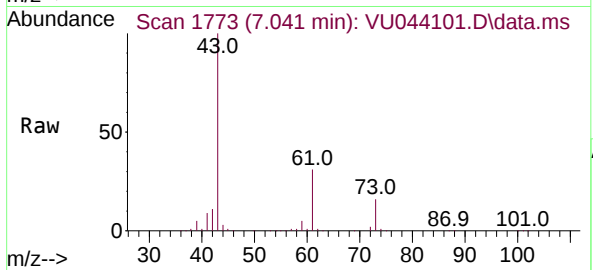
43 650134.7 25.0 37.4#

58 3438.1 60.0 90.0#

Instrument :

MSVOA_U

ClientSampled :



#50

Toluene-d8

Concen: 50.664 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. -0.000 min

Lab File: VU044101.D

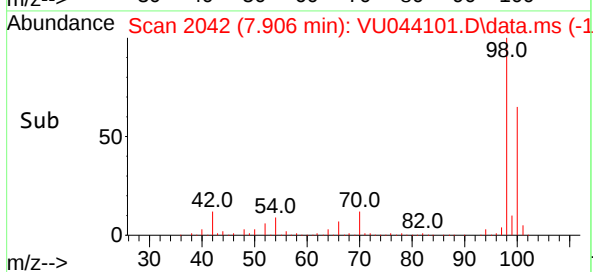
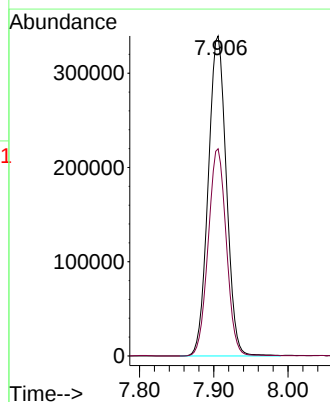
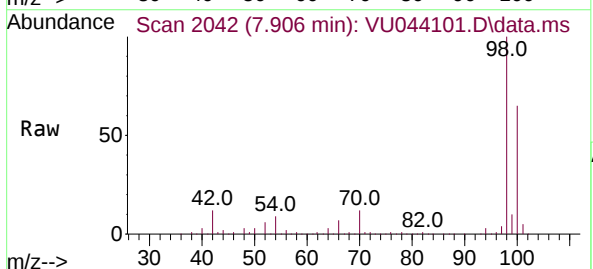
Acq: 08 Jun 2021 09:33

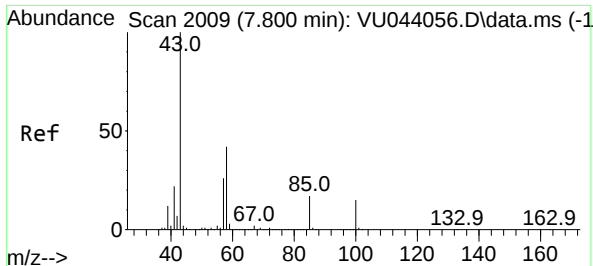
Tgt Ion: 98 Resp: 575215

Ion Ratio Lower Upper

98 100

100 64.6 51.6 77.4

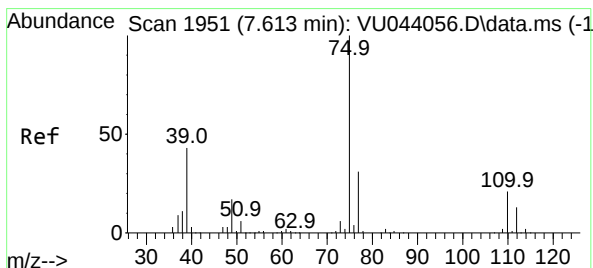
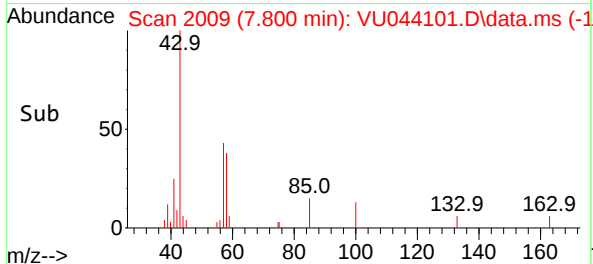
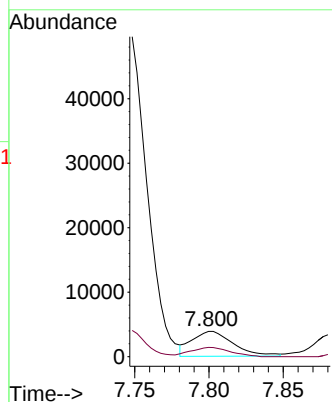
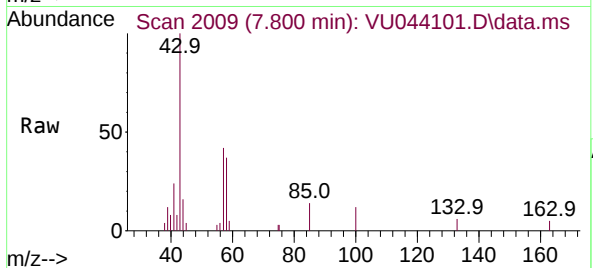




#51
4-Methyl-2-Pentanone
Concen: 1.224 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VU044101.D
Acq: 08 Jun 2021 09:33

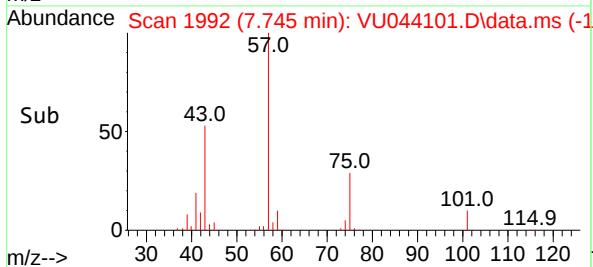
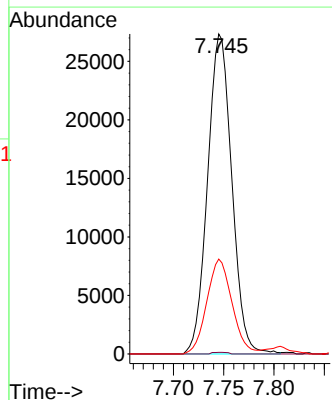
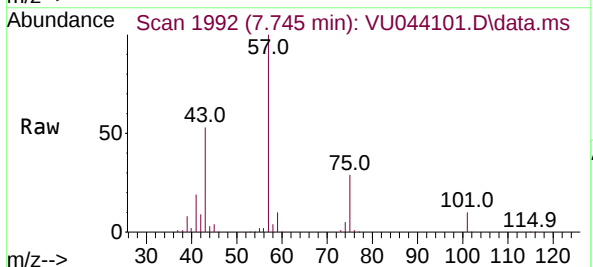
Instrument :
MSVOA_U
ClientSampled :

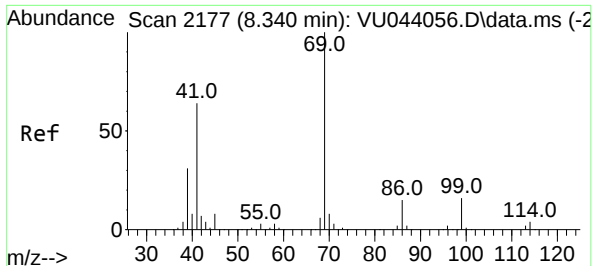
Tgt Ion: 43 Resp: 7524
Ion Ratio Lower Upper
43 100
58 35.3 33.3 49.9



#54
cis-1,3-Dichloropropene
Concen: 8.061 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. 0.132 min
Lab File: VU044101.D
Acq: 08 Jun 2021 09:33

Tgt Ion: 75 Resp: 45806
Ion Ratio Lower Upper
75 100
77 0.5 25.0 37.4#
39 29.6 34.7 52.1#





#56

Ethyl methacrylate

Concen: 3.453 ug/l

RT: 8.475 min Scan# 2219

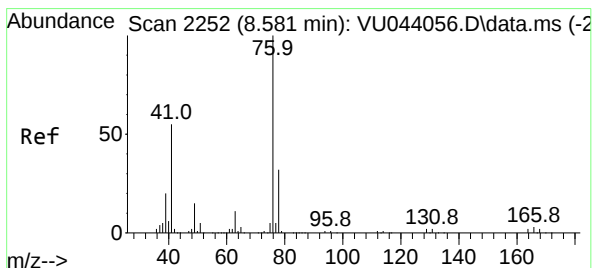
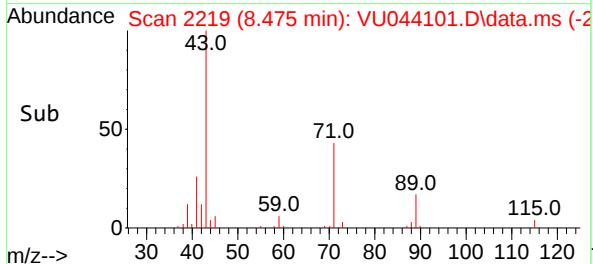
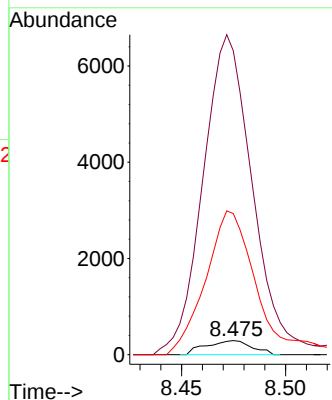
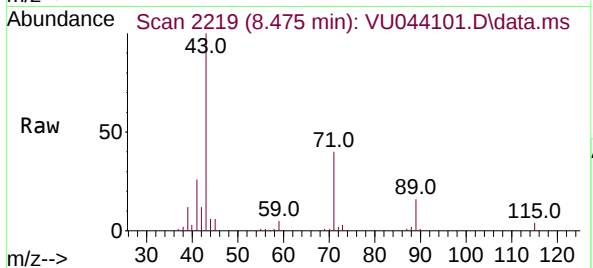
Delta R.T. 0.135 min

Lab File: VU044101.D

Acq: 08 Jun 2021 09:33

Tgt Ion:	69	Resp:	449
Ion	Ratio	Lower	Upper
69	100		
41	2454.3	51.4	77.0#
39	1152.1	24.9	37.3#

Instrument :
MSVOA_U
ClientSampleId :



#57

1,3-Dichloropropane

Concen: 5.161 ug/l

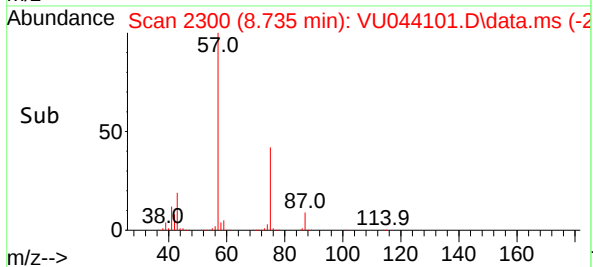
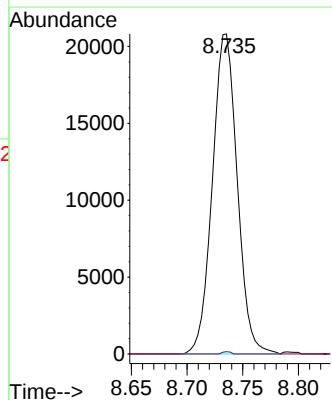
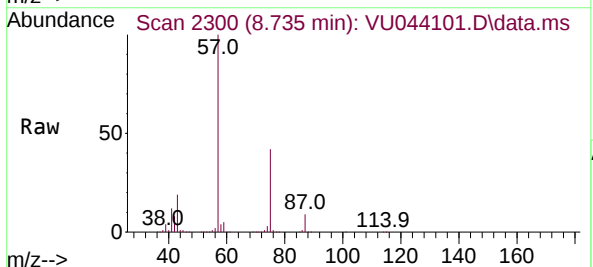
RT: 8.735 min Scan# 2300

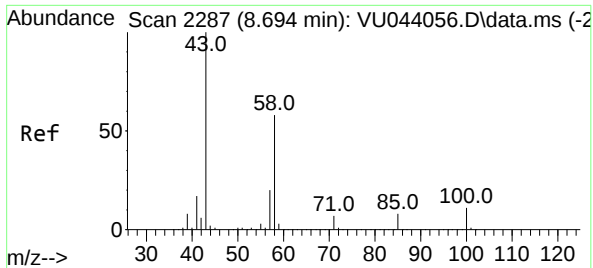
Delta R.T. 0.154 min

Lab File: VU044101.D

Acq: 08 Jun 2021 09:33

Tgt Ion:	76	Resp:	32296
Ion	Ratio	Lower	Upper
76	100		
78	0.2	25.9	38.9#

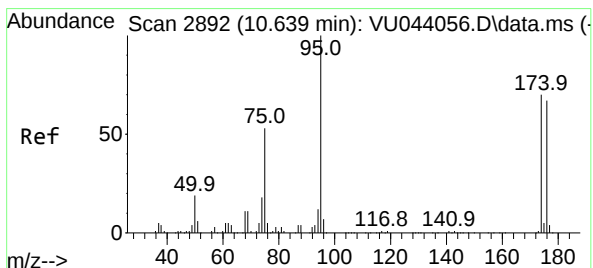
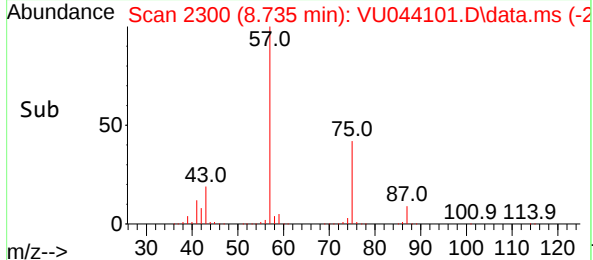
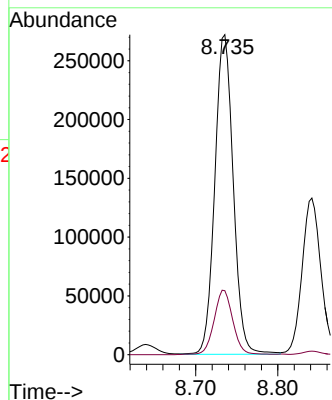
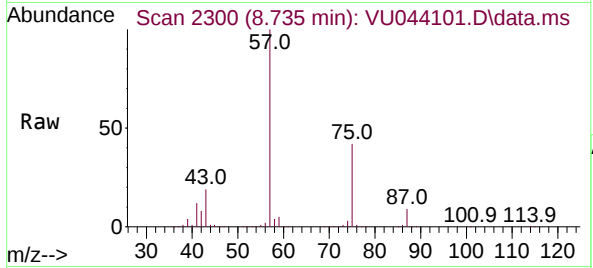




#59
2-Hexanone
Concen: 88.815 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.041 min
Lab File: VU044101.D
Acq: 08 Jun 2021 09:33

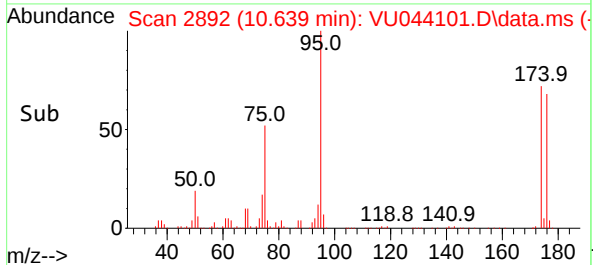
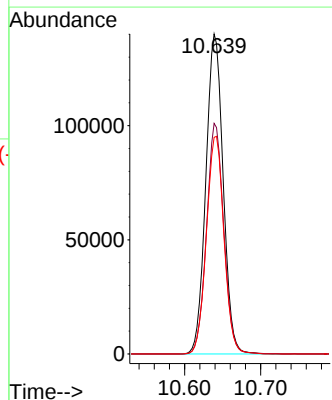
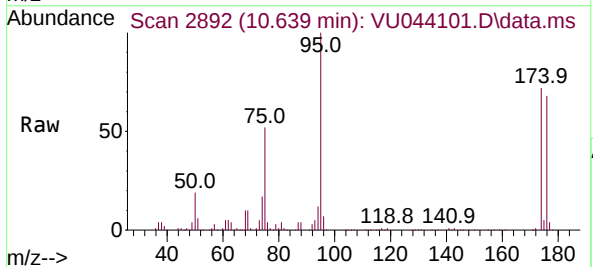
Instrument :
MSVOA_U
ClientSampled :

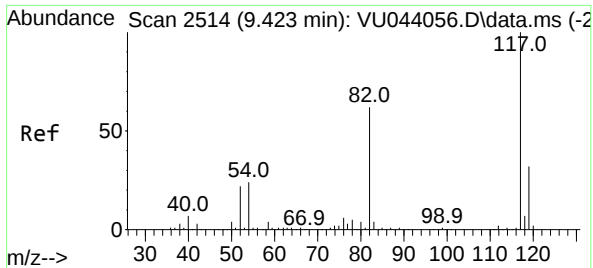
Tgt Ion: 43 Resp: 424286
Ion Ratio Lower Upper
43 100
58 20.6 29.0 87.1#



#62
4-Bromofluorobenzene
Concen: 49.238 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044101.D
Acq: 08 Jun 2021 09:33

Tgt Ion: 95 Resp: 221328
Ion Ratio Lower Upper
95 100
174 71.8 0.0 141.0
176 69.1 0.0 135.2

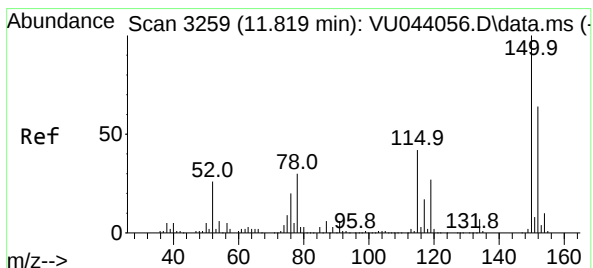
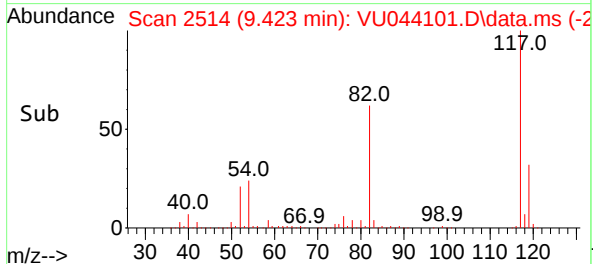
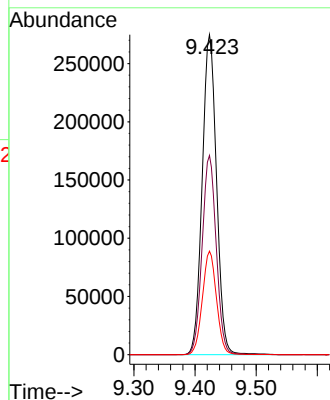
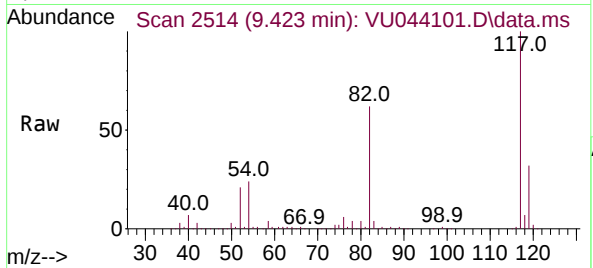




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU044101.D
Acq: 08 Jun 2021 09:33

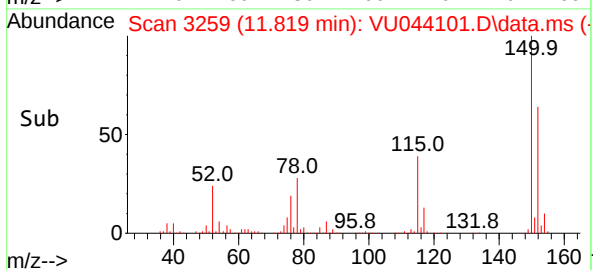
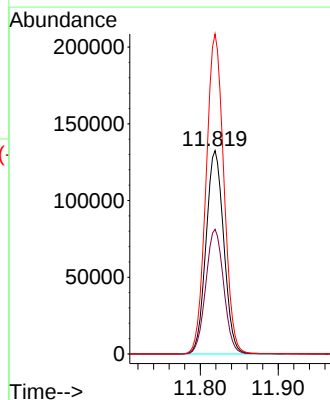
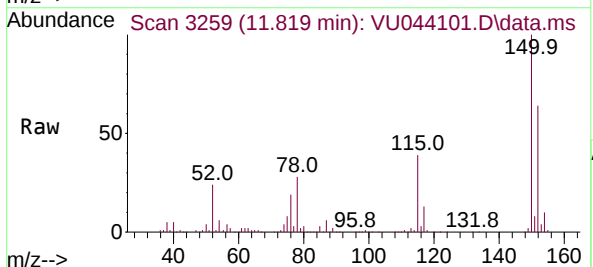
Instrument :
MSVOA_U
ClientSampleId :

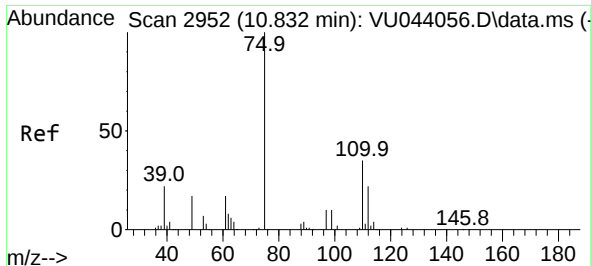
Tgt Ion:117 Resp: 447682
Ion Ratio Lower Upper
117 100
82 62.2 50.0 75.0
119 32.3 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU044101.D
Acq: 08 Jun 2021 09:33

Tgt Ion:152 Resp: 210154
Ion Ratio Lower Upper
152 100
115 62.1 44.6 134.0
150 157.0 0.0 347.8

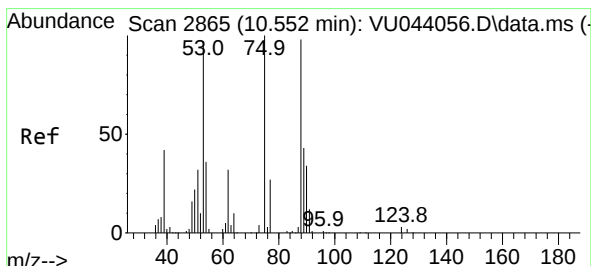
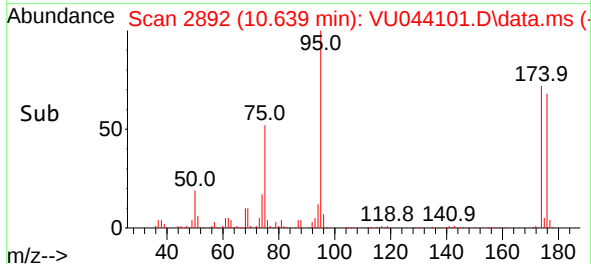
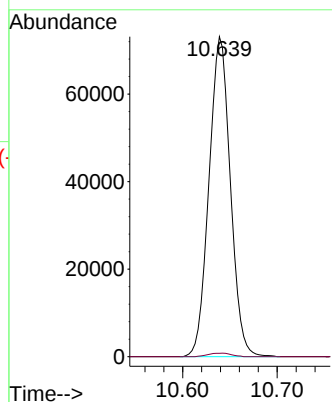
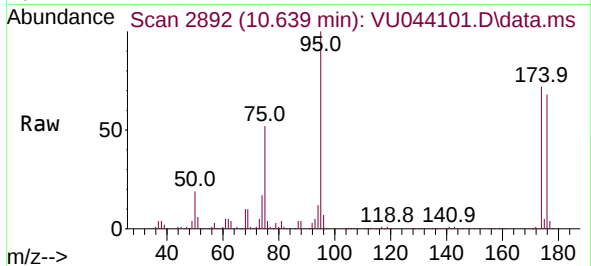




#76
1,2,3-Trichloropropane
Concen: 19.537 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU044101.D
Acq: 08 Jun 2021 09:33

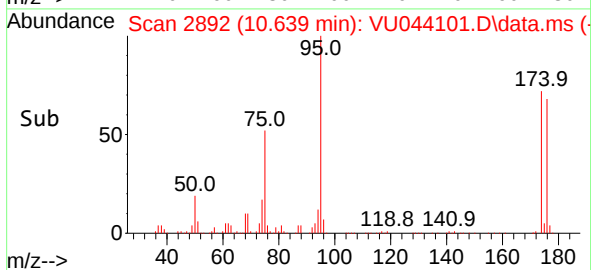
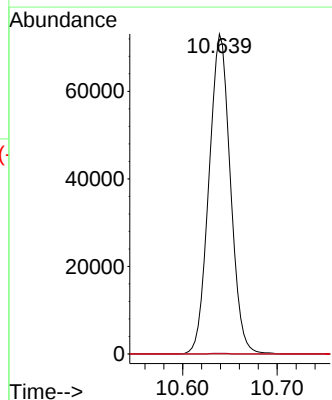
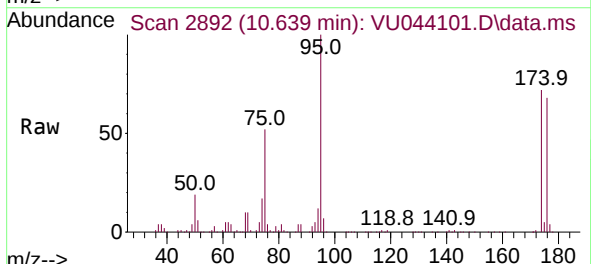
Instrument :
MSVOA_U
ClientSampled :

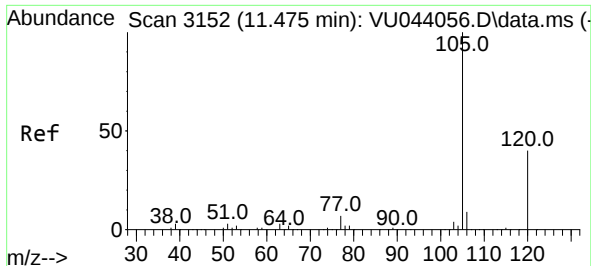
Tgt Ion: 75 Resp: 114855
Ion Ratio Lower Upper
75 100
77 1.2 16.9 50.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.047 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044101.D
Acq: 08 Jun 2021 09:33

Tgt Ion: 75 Resp: 114855
Ion Ratio Lower Upper
75 100
53 0.2 76.9 115.3#
89 0.0 33.8 50.8#

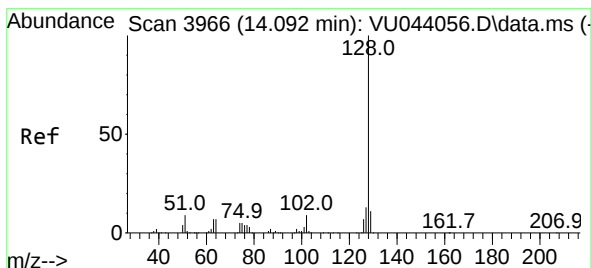
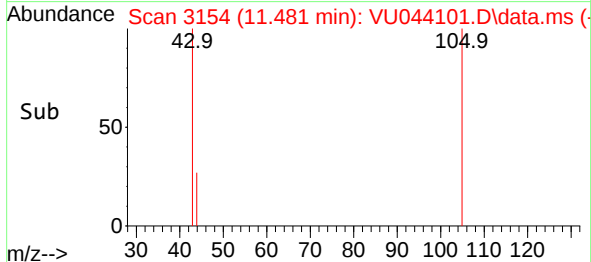
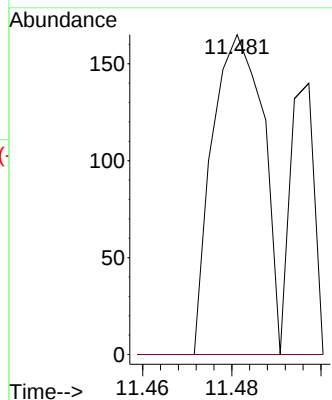
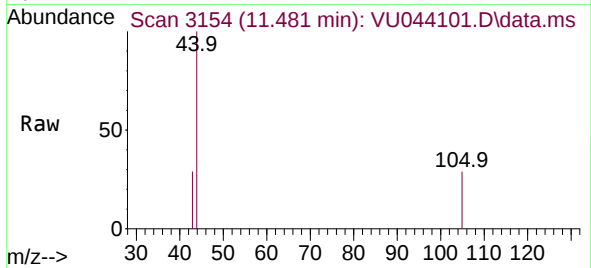




#84
1,2,4-Trimethylbenzene
Concen: 0.958 ug/l
RT: 11.481 min Scan# 3154
Delta R.T. 0.006 min
Lab File: VU044101.D
Acq: 08 Jun 2021 09:33

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:105 Resp: 131
Ion Ratio Lower Upper
105 100
120 0.0 21.9 65.7#



#95
Naphthalene
Concen: 2.884 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU044101.D
Acq: 08 Jun 2021 09:33

Tgt Ion:128 Resp: 587
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.7 13.1#

