

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061021\
 Data File : VU044164.D
 Acq On : 10 Jun 2021 18:31
 Operator : SY/MD
 Sample : M2658-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 11 01:21:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 10 05:11:37 2021
 Response via : Initial Calibration

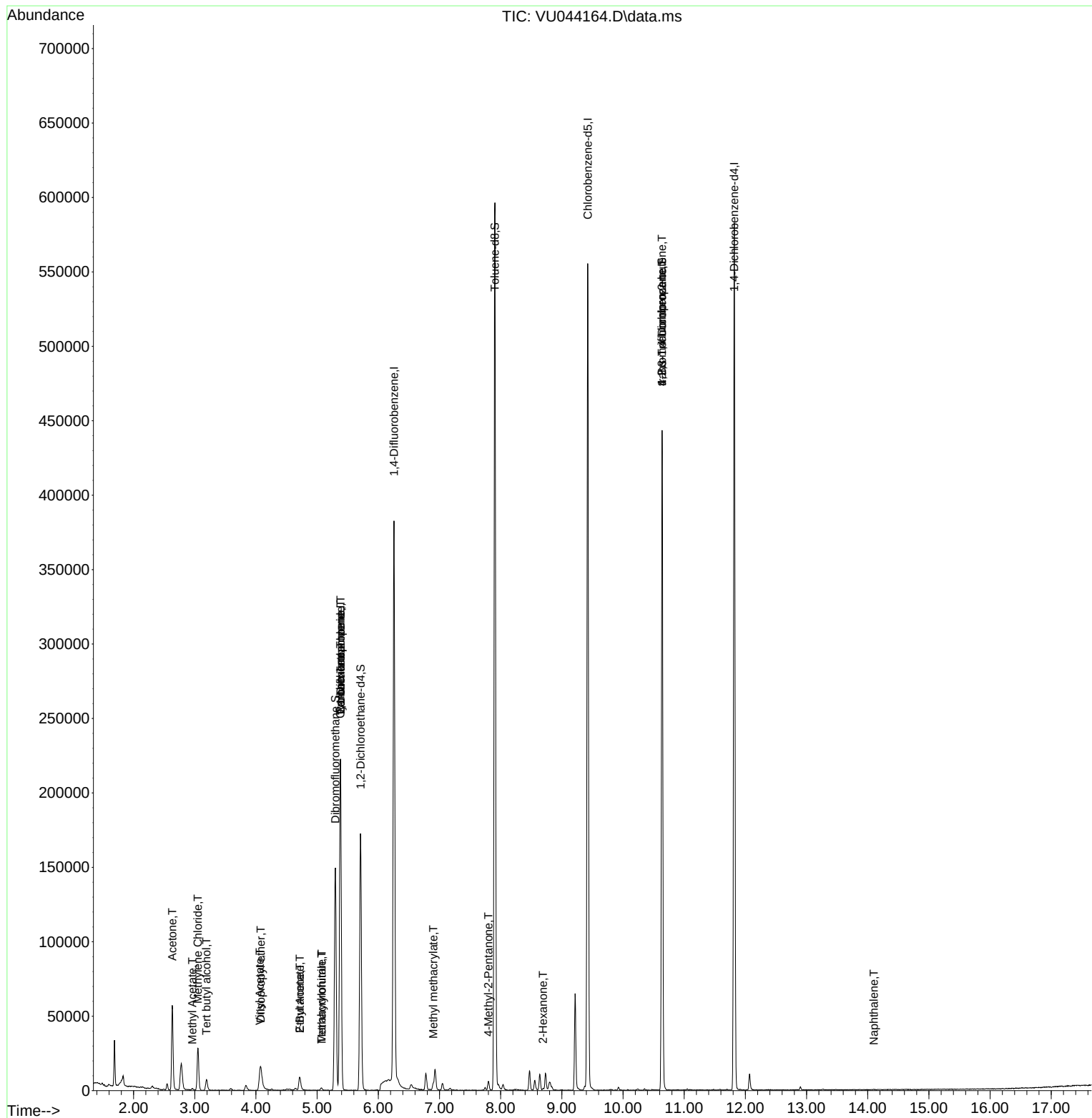
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.382	168	147775	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	293031	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	298776	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	146956	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	125319	53.327	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.660%	
35) Dibromofluoromethane	5.298	113	97035	47.603	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.200%	
50) Toluene-d8	7.906	98	383207	48.951	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.900%	
62) 4-Bromofluorobenzene	10.639	95	148144	47.221	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.440%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	599	Below Cal		98
6) Chloroethane	1.941	64	58	Below Cal	#	42
11) Tert butyl alcohol	3.192	59	4840	7.656	ug/l #	73
13) Acrolein	2.494	56	335	Below Cal		86
16) Acetone	2.633	43	61200	48.714	ug/l	97
18) Methyl Acetate	2.961	43	1235	0.409	ug/l #	80
20) Methylene Chloride	3.051	84	14001	5.545	ug/l	99
22) Diisopropyl ether	4.080	45	1284	0.220	ug/l #	1
23) Vinyl Acetate	4.063	43	1204	0.217	ug/l #	71
25) 2-Butanone	4.716	43	14614	7.451	ug/l	97
29) Tetrahydrofuran	5.073	42	1091	1.023	ug/l #	83
31) Cyclohexane	5.379	56	3242	0.978	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	12573	3.857	ug/l #	50
37) Ethyl Acetate	4.716	43	14614	3.743	ug/l #	67
38) Carbon Tetrachloride	5.382	117	15469	5.256	ug/l #	16
41) Methacrylonitrile	5.076	41	625	0.313	ug/l #	38
48) Methyl methacrylate	6.899	41	6494	2.409	ug/l #	17
51) 4-Methyl-2-Pentanone	7.800	43	3956	0.987	ug/l	97
59) 2-Hexanone	8.694	43	751	0.235	ug/l	92
76) 1,2,3-Trichloropropane	10.639	75	74400	15.100	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.639	75	74400	54.737	ug/l #	13
95) Naphthalene	14.102	128	256	2.859	ug/l #	69

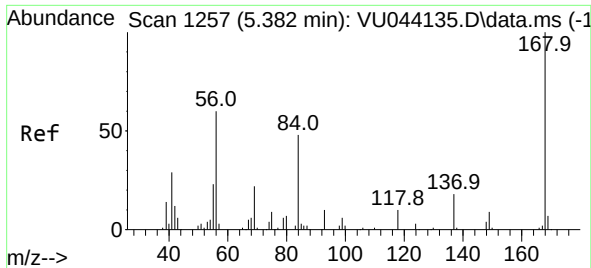
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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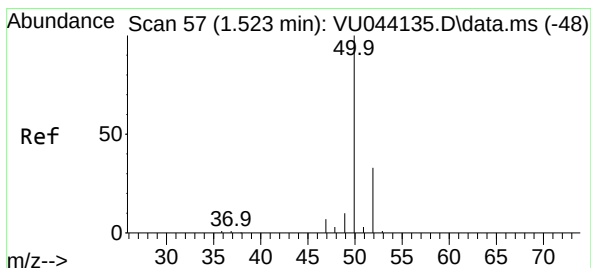
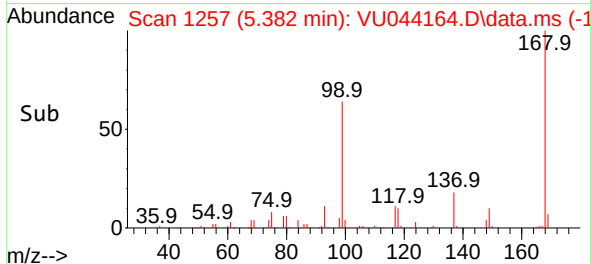
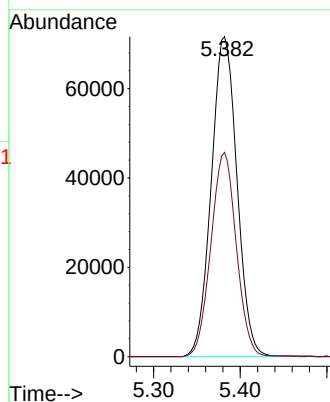
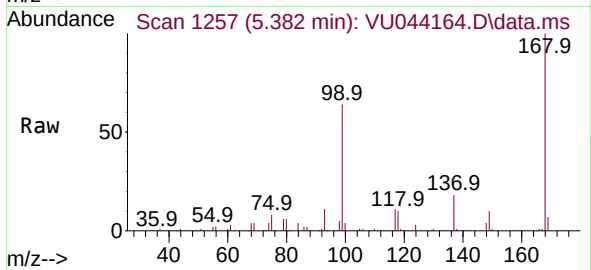




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044164.D
Acq: 10 Jun 2021 18:31

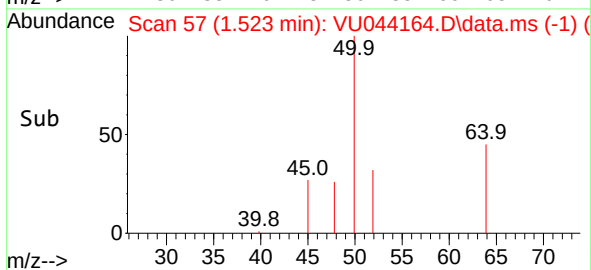
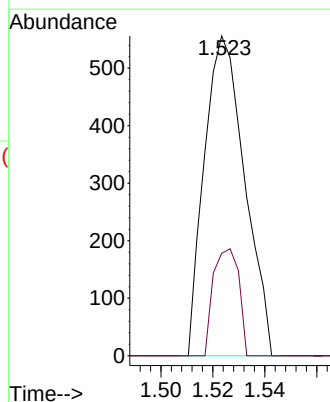
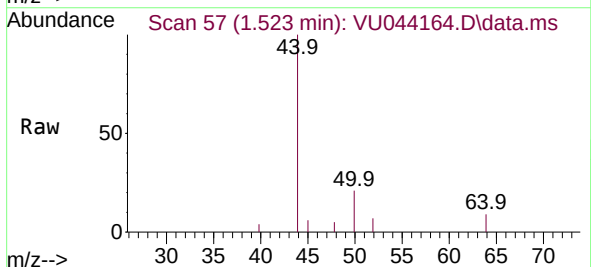
Instrument :
MSVOA_U
ClientSampleId :

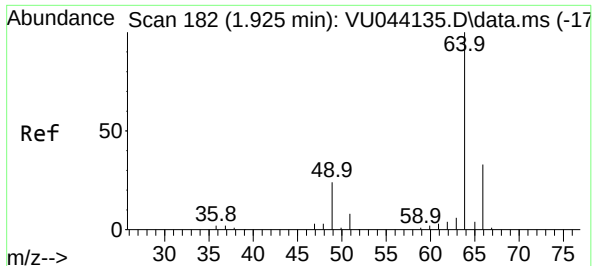
Tgt Ion:168 Resp: 147775
Ion Ratio Lower Upper
168 100
99 63.9 51.3 76.9



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU044164.D
Acq: 10 Jun 2021 18:31

Tgt Ion: 50 Resp: 599
Ion Ratio Lower Upper
50 100
52 32.0 26.6 39.8

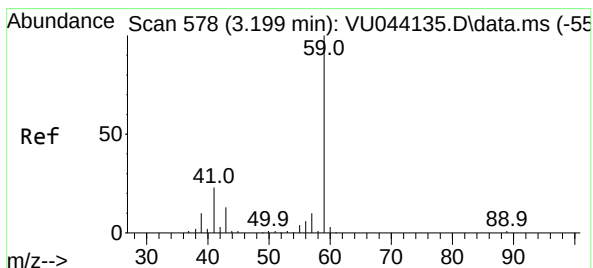
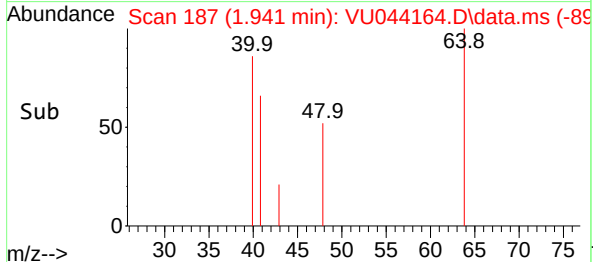
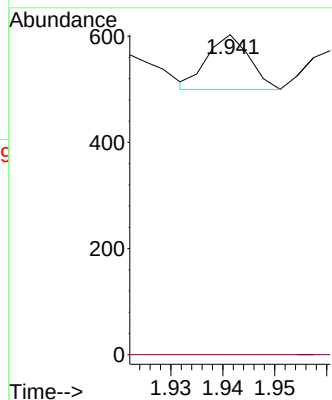
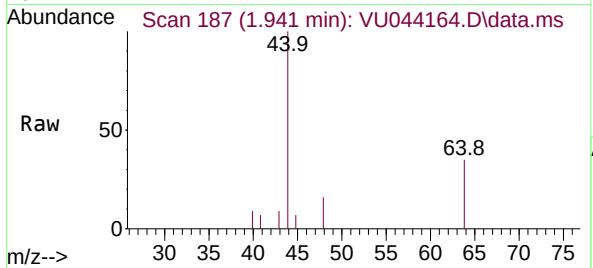




#6
Chloroethane
Concen: Below Cal
RT: 1.941 min Scan# 187
Delta R.T. 0.016 min
Lab File: VU044164.D
Acq: 10 Jun 2021 18:31

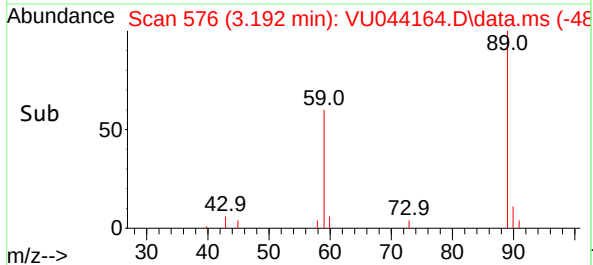
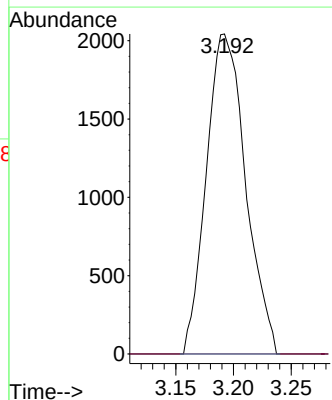
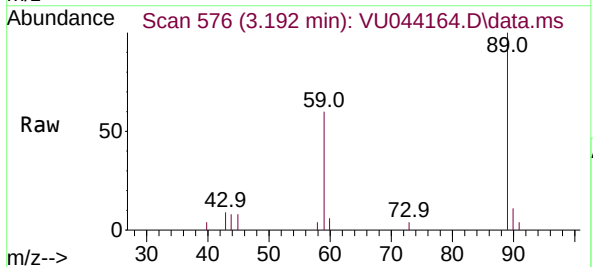
Instrument :
MSVOA_U
ClientSampled :

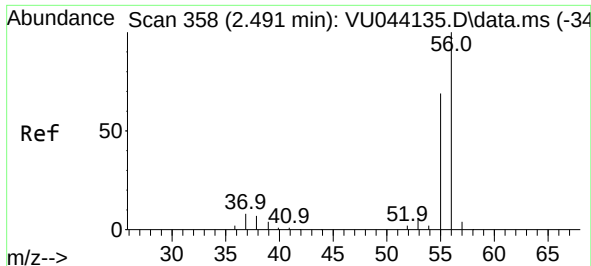
Tgt Ion: 64 Resp: 58
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#



#11
Tert butyl alcohol
Concen: 7.656 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.007 min
Lab File: VU044164.D
Acq: 10 Jun 2021 18:31

Tgt Ion: 59 Resp: 4840
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

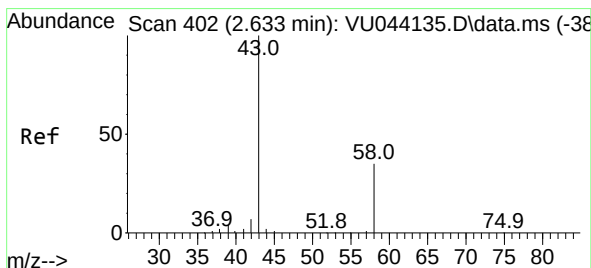
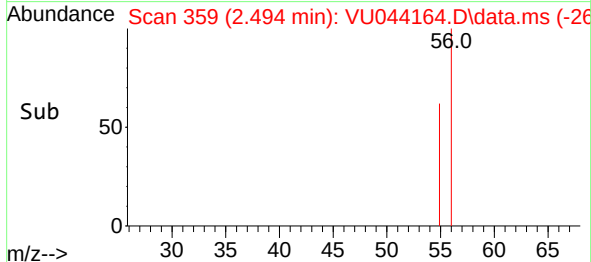
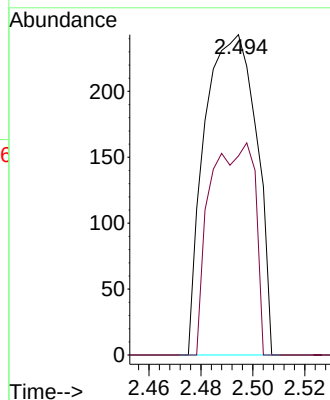
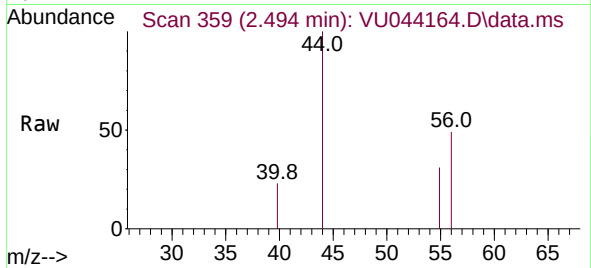




#13
Acrolein
Concen: Below Cal
RT: 2.494 min Scan# 359
Delta R.T. 0.003 min
Lab File: VU044164.D
Acq: 10 Jun 2021 18:31

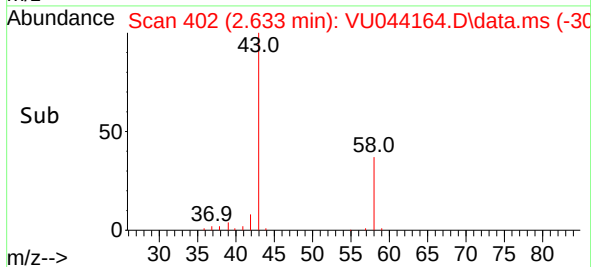
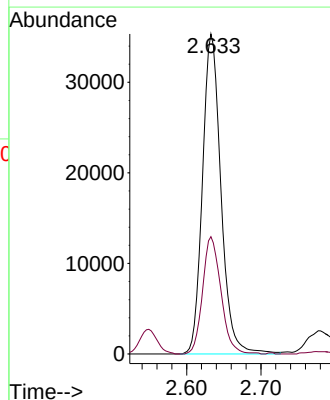
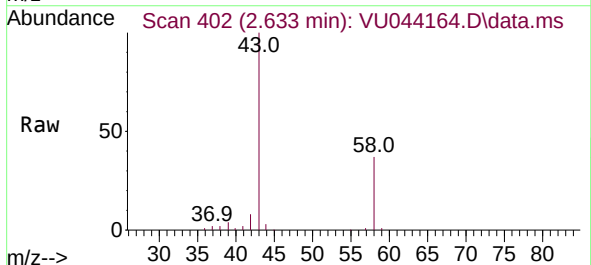
Instrument :
MSVOA_U
ClientSampled :

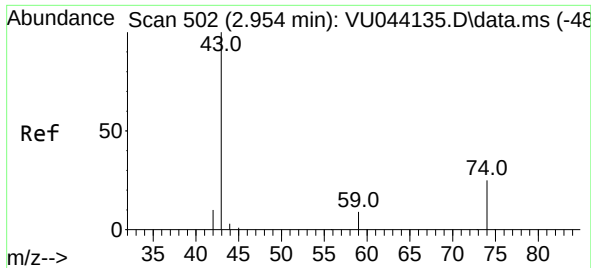
Tgt Ion: 56 Resp: 335
Ion Ratio Lower Upper
56 100
55 57.6 55.1 82.7



#16
Acetone
Concen: 48.714 ug/l
RT: 2.633 min Scan# 402
Delta R.T. -0.000 min
Lab File: VU044164.D
Acq: 10 Jun 2021 18:31

Tgt Ion: 43 Resp: 61200
Ion Ratio Lower Upper
43 100
58 36.7 28.0 42.0

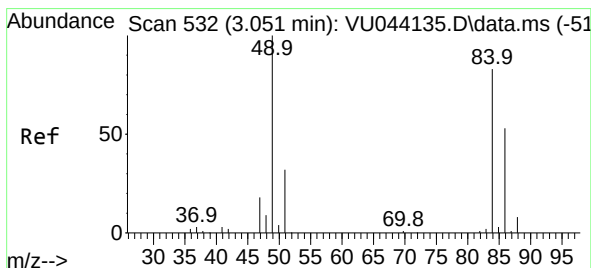
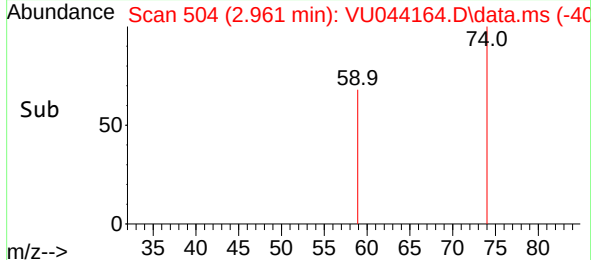
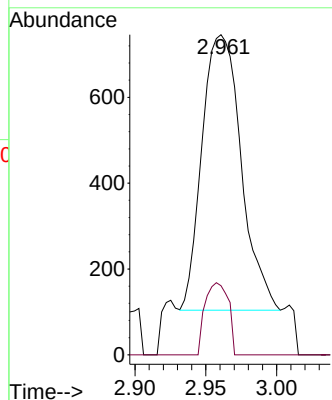
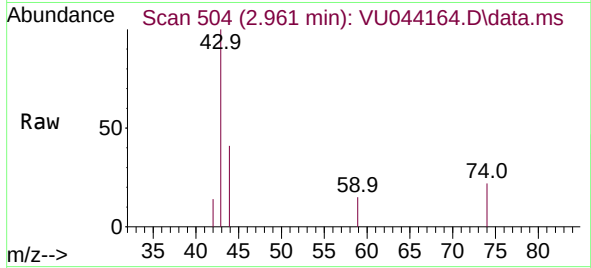




#18
Methyl Acetate
Concen: 0.409 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.007 min
Lab File: VU044164.D
Acq: 10 Jun 2021 18:31

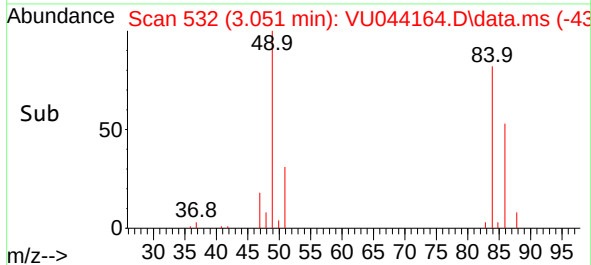
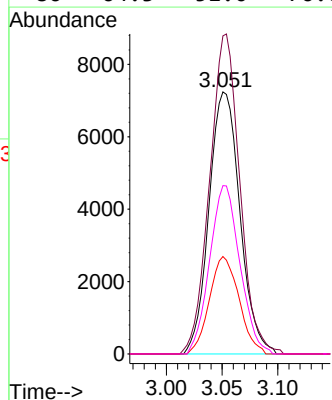
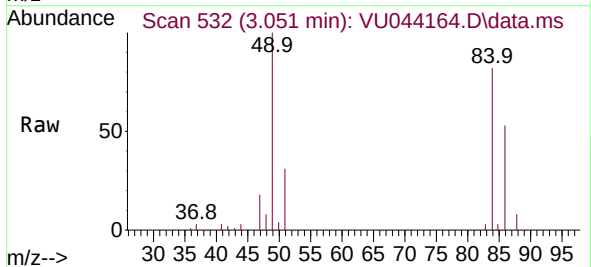
Instrument :
MSVOA_U
ClientSampleId :

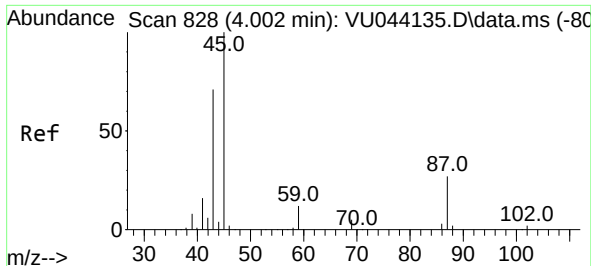
Tgt Ion: 43 Resp: 1235
Ion Ratio Lower Upper
43 100
74 15.5 20.3 30.5#



#20
Methylene Chloride
Concen: 5.545 ug/l
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU044164.D
Acq: 10 Jun 2021 18:31

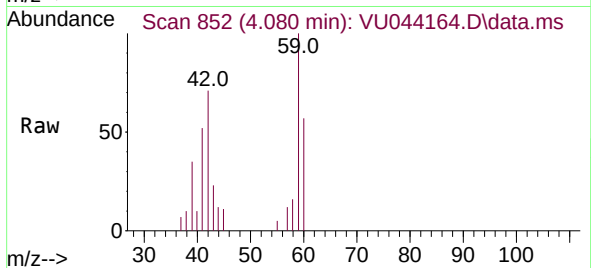
Tgt Ion: 84 Resp: 14001
Ion Ratio Lower Upper
84 100
49 121.4 96.9 145.3
51 37.2 31.0 46.6
86 64.3 51.0 76.6



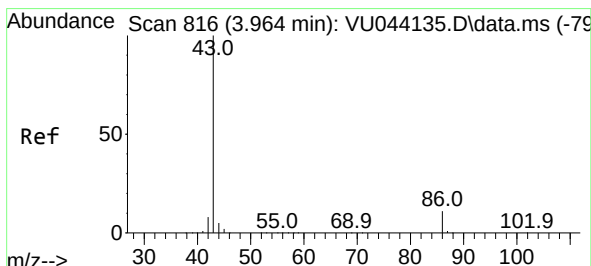
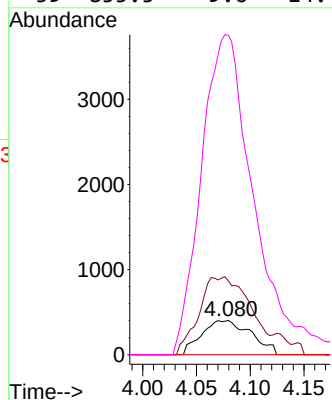
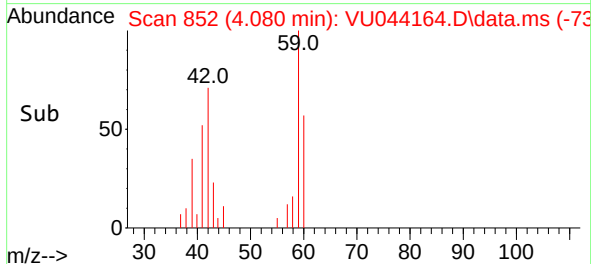


#22
Diisopropyl ether
Concen: 0.220 ug/l
RT: 4.080 min Scan# 852
Delta R.T. 0.078 min
Lab File: VU044164.D
Acq: 10 Jun 2021 18:31

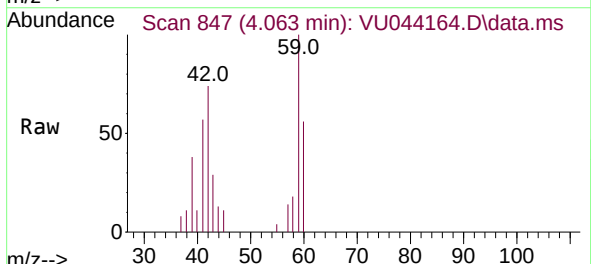
Instrument :
MSVOA_U
ClientSampleId :



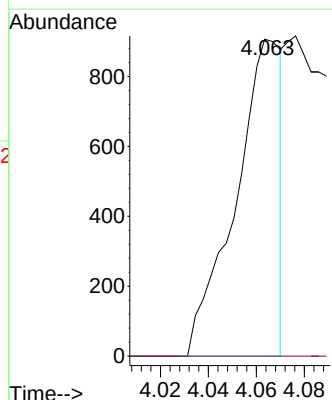
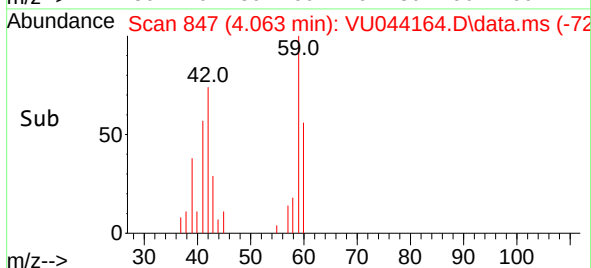
Tgt Ion:	45	Resp:	1284
Ion Ratio	Lower	Upper	
45	100		
43	186.8	58.4	87.6#
87	0.0	21.8	32.6#
59	855.5	9.6	14.4#

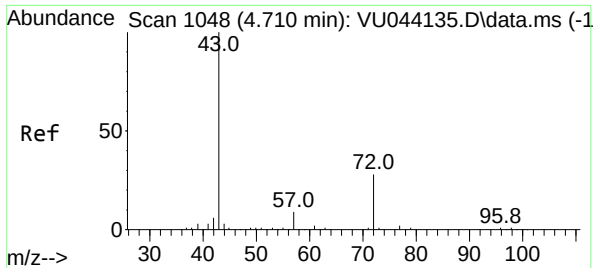


#23
Vinyl Acetate
Concen: 0.217 ug/l
RT: 4.063 min Scan# 847
Delta R.T. 0.099 min
Lab File: VU044164.D
Acq: 10 Jun 2021 18:31



Tgt Ion:	43	Resp:	1204
Ion Ratio	Lower	Upper	
43	100		
86	0.0	8.8	13.2#

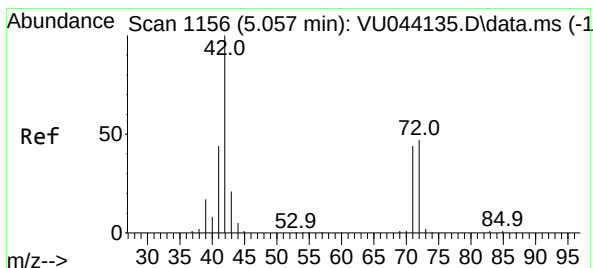
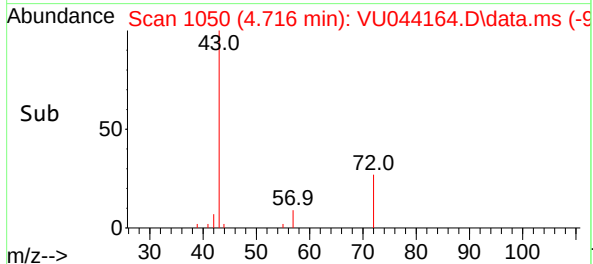
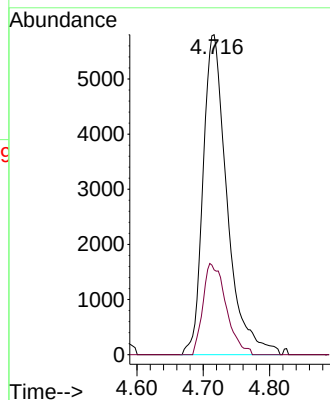
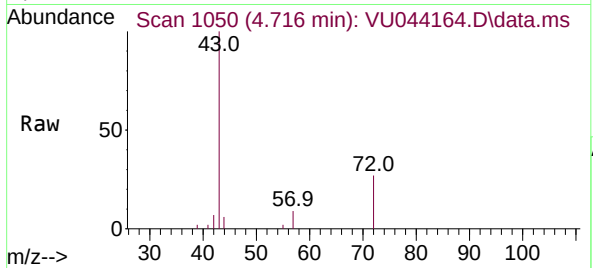




#25
2-Butanone
Concen: 7.451 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. 0.006 min
Lab File: VU044164.D
Acq: 10 Jun 2021 18:31

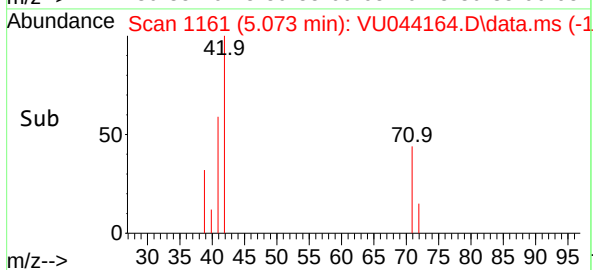
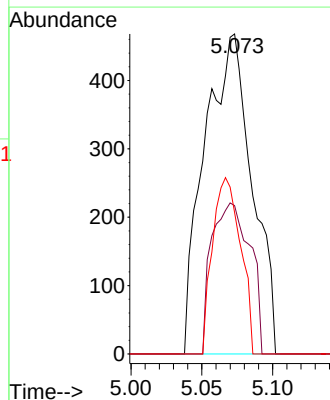
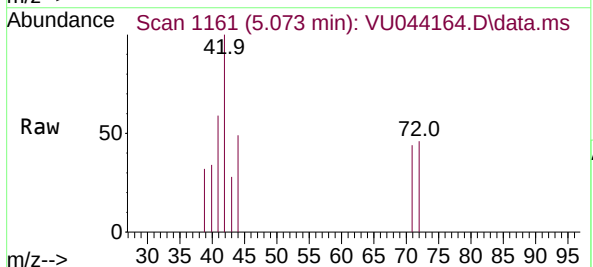
Instrument :
MSVOA_U
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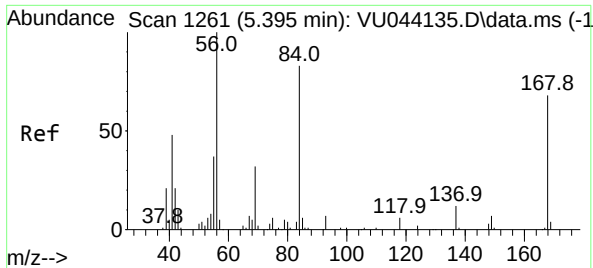
Tgt Ion: 43 Resp: 14614
Ion Ratio Lower Upper
43 100
72 26.5 22.6 33.8



#29
Tetrahydrofuran
Concen: 1.023 ug/l
RT: 5.073 min Scan# 1161
Delta R.T. 0.016 min
Lab File: VU044164.D
Acq: 10 Jun 2021 18:31

Tgt Ion: 42 Resp: 1091
Ion Ratio Lower Upper
42 100
72 38.0 38.6 57.8#
71 32.4 35.5 53.3#

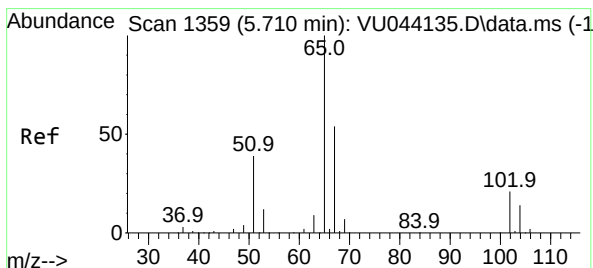
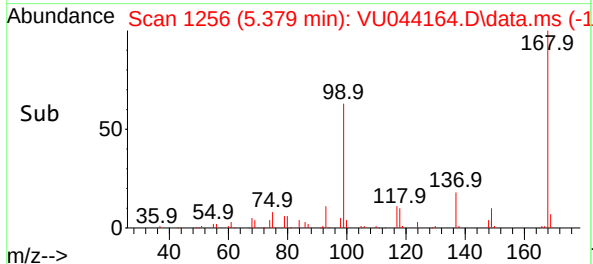
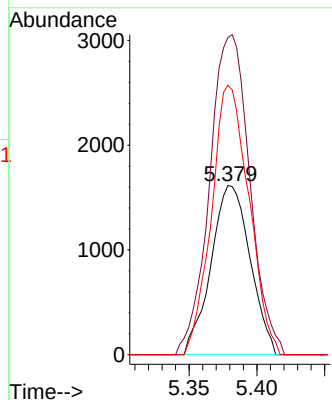
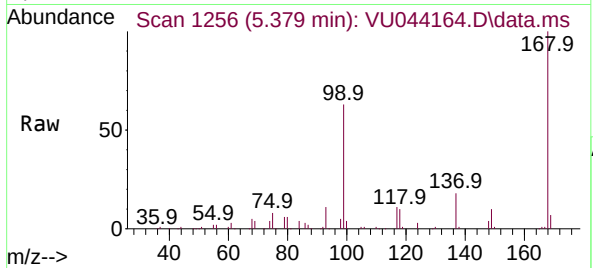




#31
Cyclohexane
Concen: 0.978 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.016 min
Lab File: VU044164.D
Acq: 10 Jun 2021 18:31

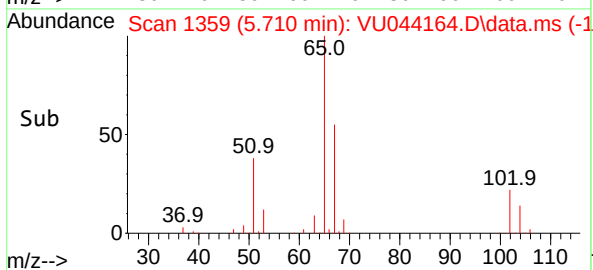
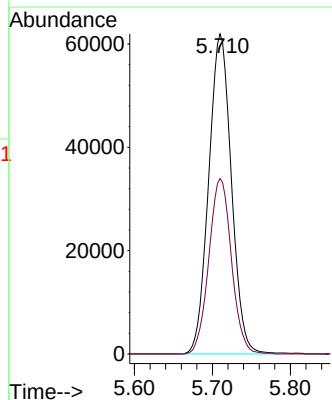
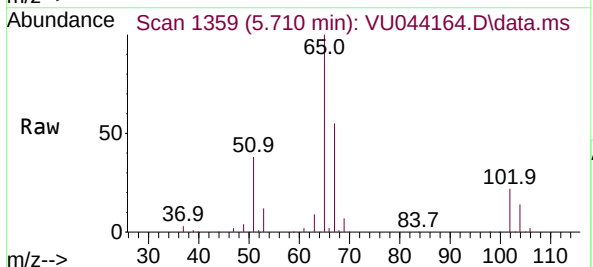
Instrument :
MSVOA_U
ClientSampled :

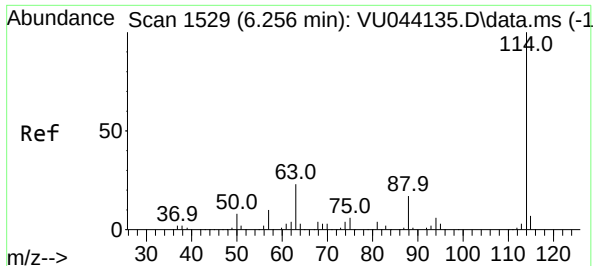
Tgt Ion: 56 Resp: 3242
Ion Ratio Lower Upper
56 100
69 181.2 25.5 38.3#
84 159.3 66.3 99.5#



#33
1,2-Dichloroethane-d4
Concen: 53.327 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044164.D
Acq: 10 Jun 2021 18:31

Tgt Ion: 65 Resp: 125319
Ion Ratio Lower Upper
65 100
67 54.6 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.256 min Scan# 1529

Delta R.T. 0.000 min

Lab File: VU044164.D

Acq: 10 Jun 2021 18:31

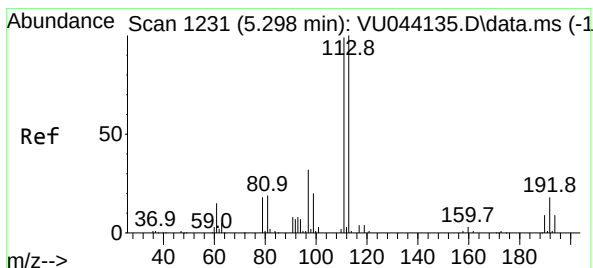
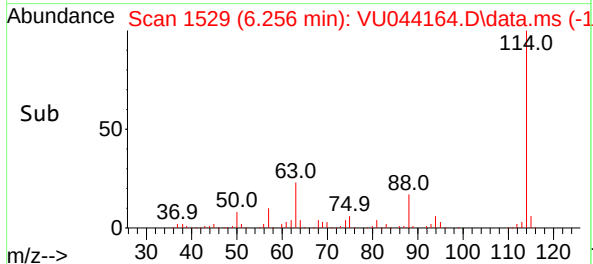
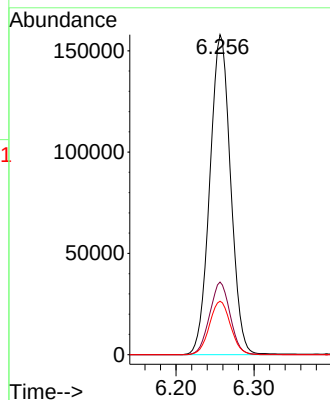
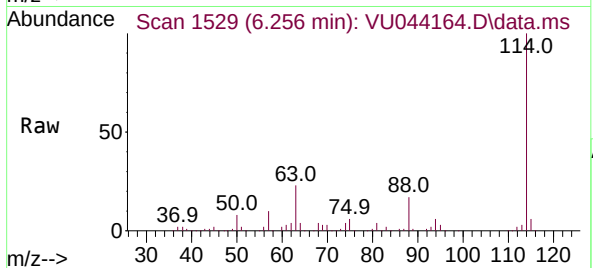
Tgt Ion:114 Resp: 293031

Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.8

88 16.7 0.0 34.0



#35

Dibromofluoromethane

Concen: 47.603 ug/l

RT: 5.298 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VU044164.D

Acq: 10 Jun 2021 18:31

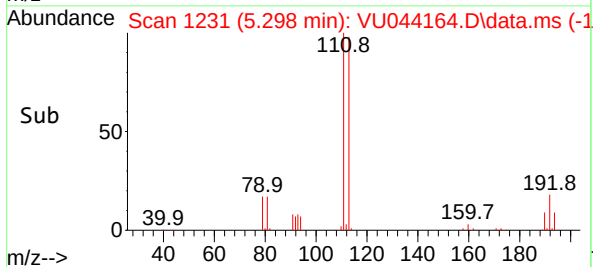
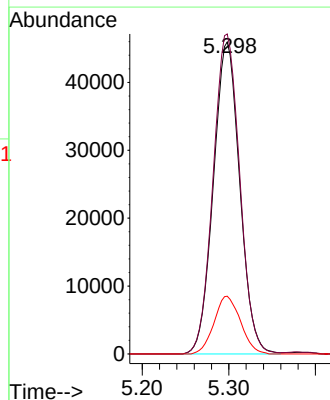
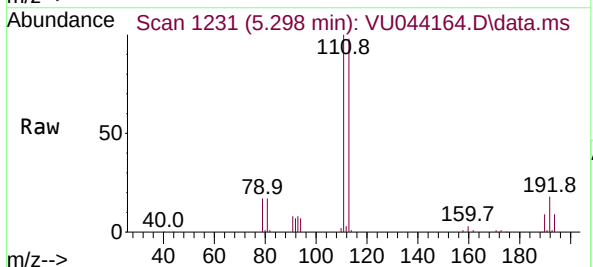
Tgt Ion:113 Resp: 97035

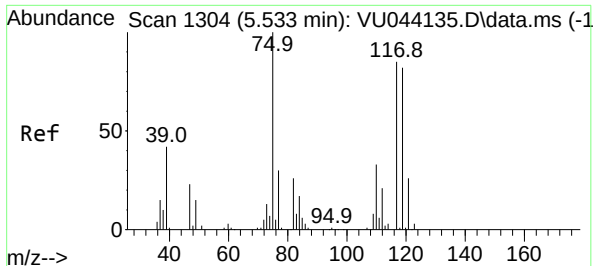
Ion Ratio Lower Upper

113 100

111 103.7 81.0 121.4

192 18.6 14.3 21.5

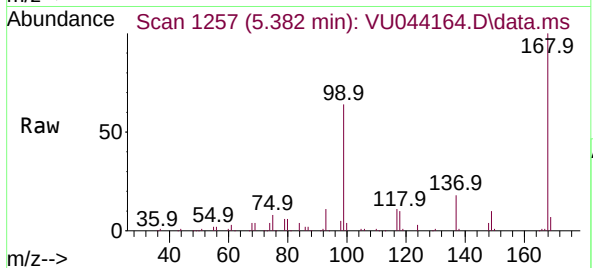




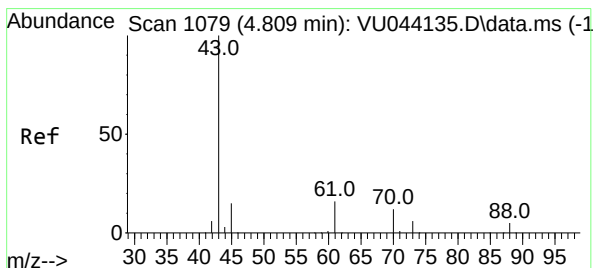
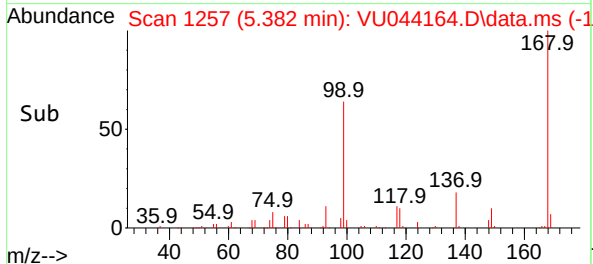
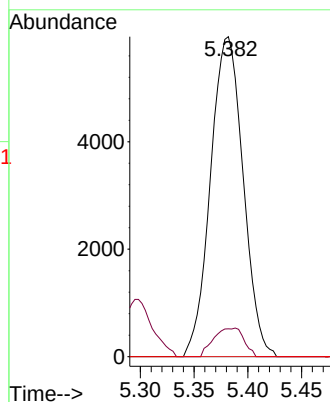
#36

1,1-Dichloropropene
Concen: 3.857 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044164.D
Acq: 10 Jun 2021 18:31

Instrument :
MSVOA_U
ClientSampled :



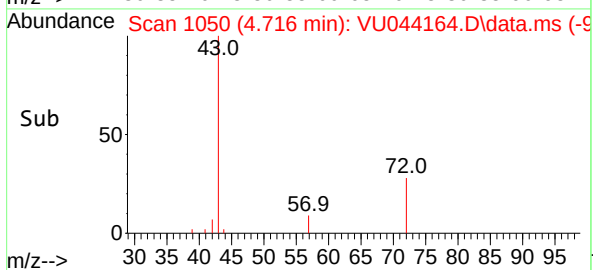
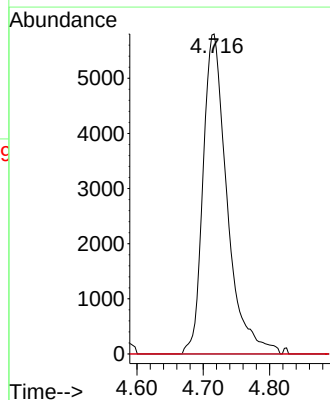
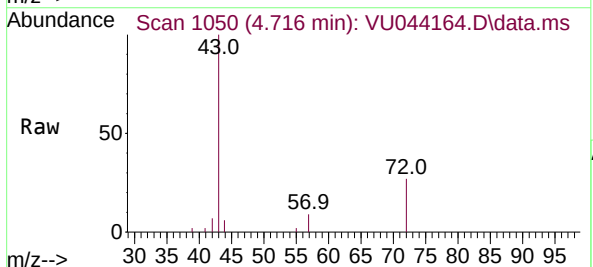
Tgt Ion:	75	Resp:	12573
Ion	Ratio	Lower	Upper
75	100		
110	8.2	16.4	49.4#
77	0.0	24.7	37.1#

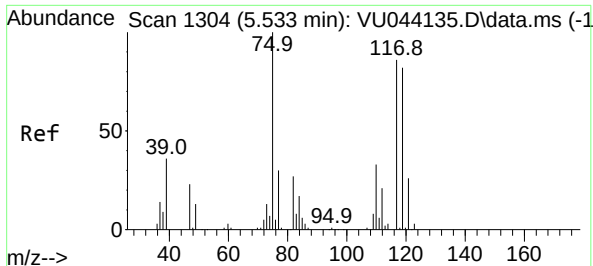


#37

Ethyl Acetate
Concen: 3.743 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. -0.093 min
Lab File: VU044164.D
Acq: 10 Jun 2021 18:31

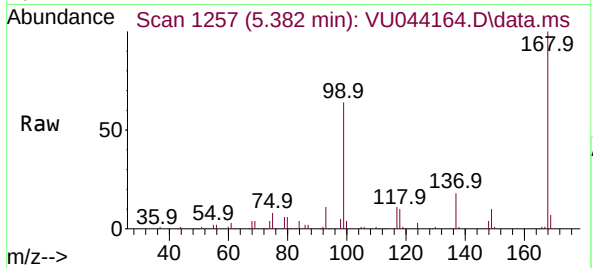
Tgt Ion:	43	Resp:	14614
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.9	17.9#
70	0.0	9.4	14.0#



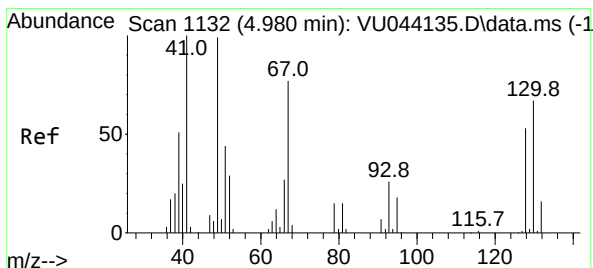
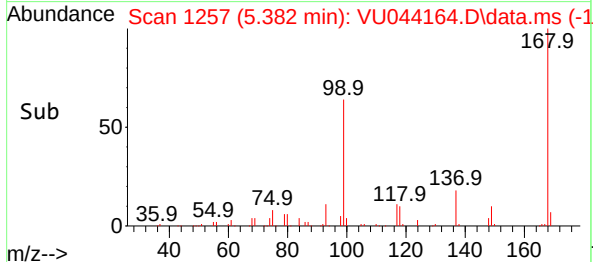
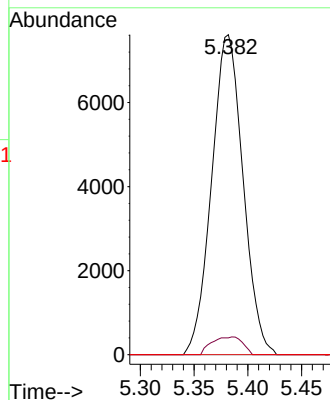


#38
Carbon Tetrachloride
Concen: 5.256 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044164.D
Acq: 10 Jun 2021 18:31

Instrument :
MSVOA_U
ClientSampled :

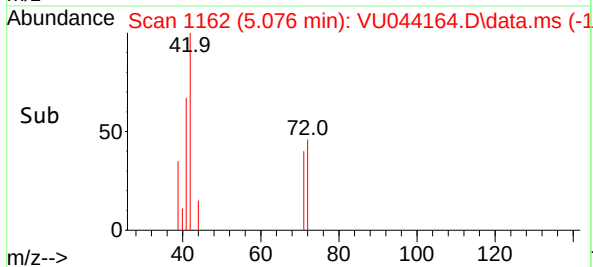
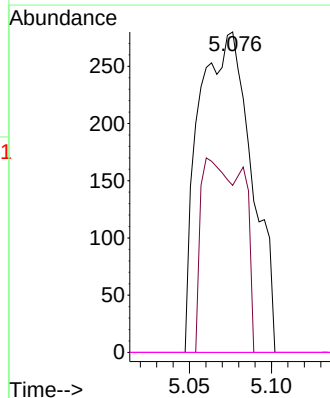
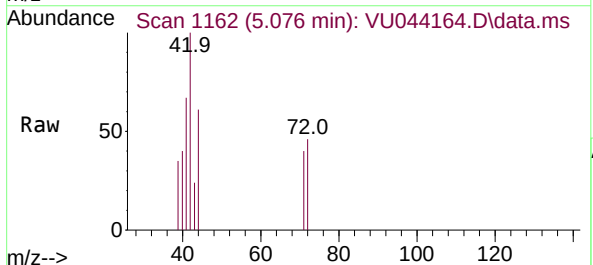


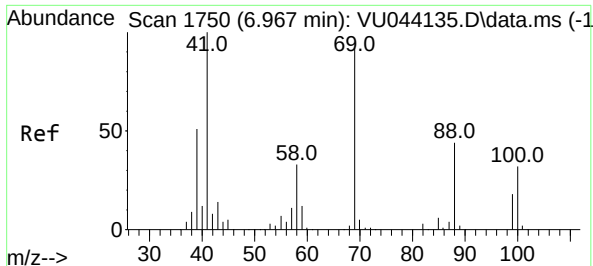
Tgt Ion:117 Resp: 15469
Ion Ratio Lower Upper
117 100
119 5.3 76.6 114.8#
121 0.0 24.6 36.8#



#41
Methacrylonitrile
Concen: 0.313 ug/l
RT: 5.076 min Scan# 1162
Delta R.T. 0.096 min
Lab File: VU044164.D
Acq: 10 Jun 2021 18:31

Tgt Ion: 41 Resp: 625
Ion Ratio Lower Upper
41 100
39 33.9 41.4 62.0#
67 0.0 62.6 93.8#
52 0.0 24.1 36.1#





#48

Methyl methacrylate

Concen: 2.409 ug/l

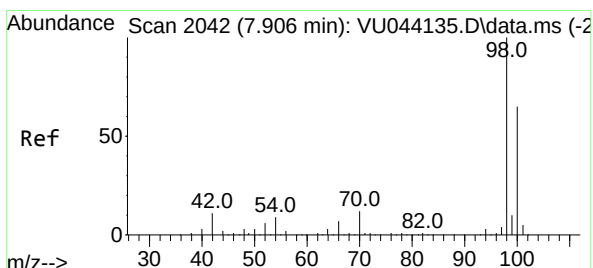
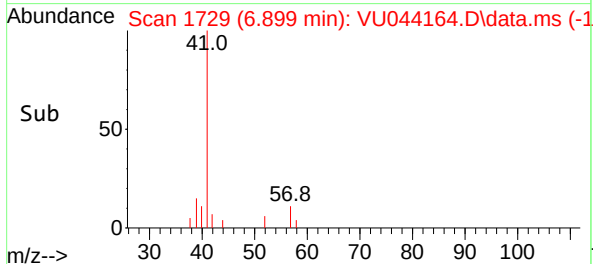
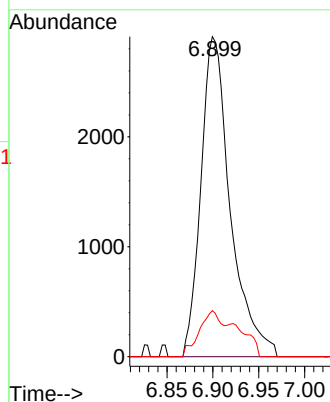
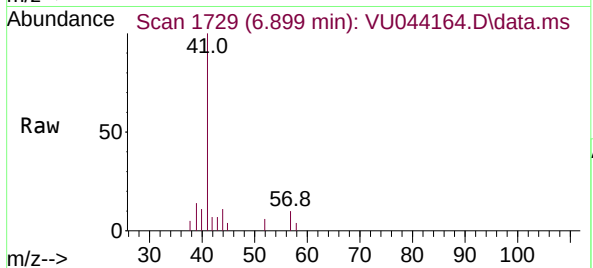
RT: 6.899 min Scan# 1729

Delta R.T. -0.068 min

Lab File: VU044164.D

Acq: 10 Jun 2021 18:31

Tgt Ion:	41	Resp:	6494
Ion	Ratio	Lower	Upper
41	100		
69	0.0	74.0	111.0#
39	10.9	41.5	62.3#



#50

Toluene-d8

Concen: 48.951 ug/l

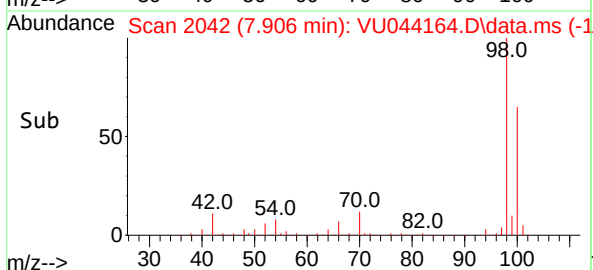
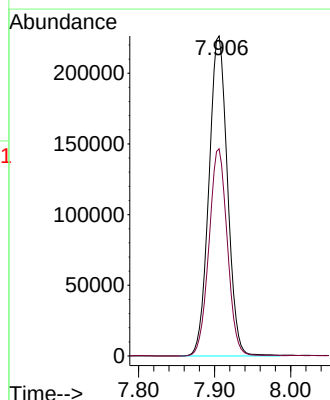
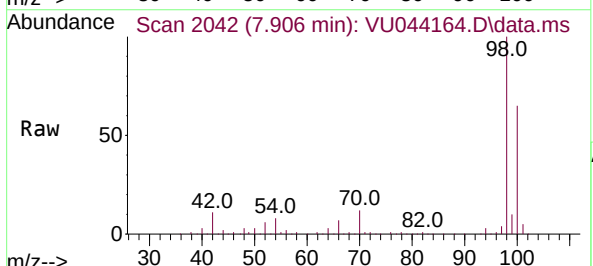
RT: 7.906 min Scan# 2042

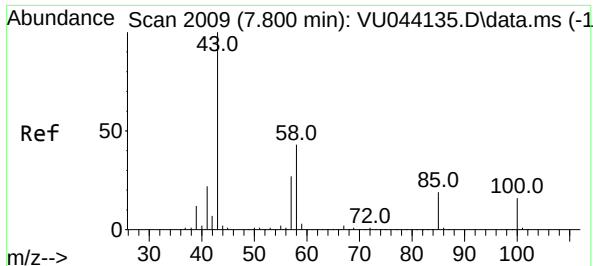
Delta R.T. -0.000 min

Lab File: VU044164.D

Acq: 10 Jun 2021 18:31

Tgt Ion:	98	Resp:	383207
Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.2	78.4

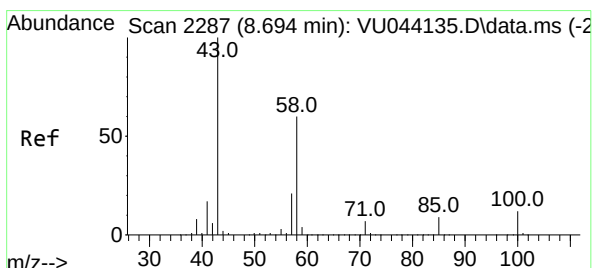
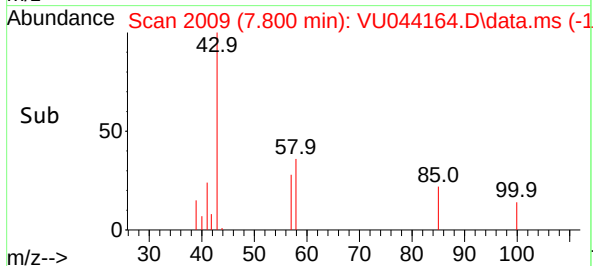
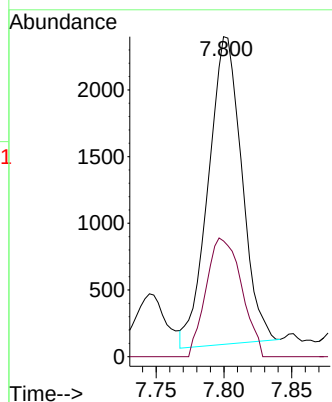
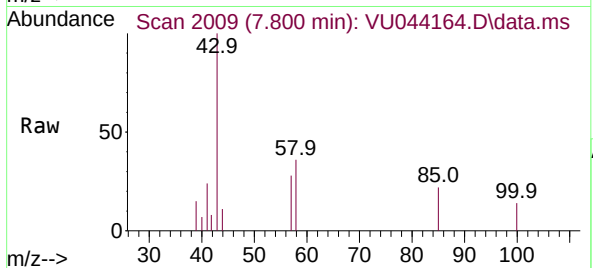




#51
4-Methyl-2-Pentanone
Concen: 0.987 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VU044164.D
Acq: 10 Jun 2021 18:31

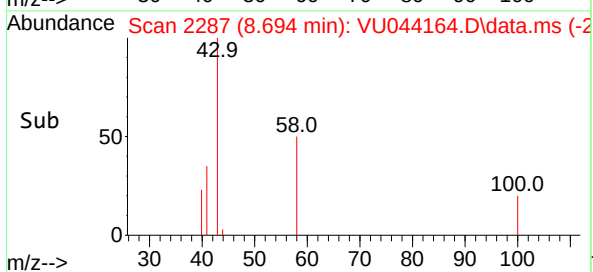
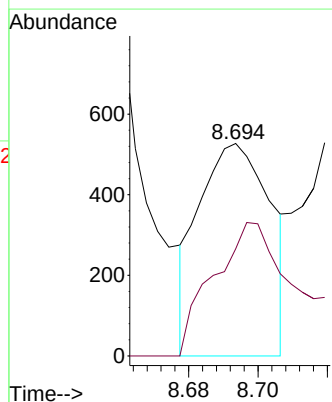
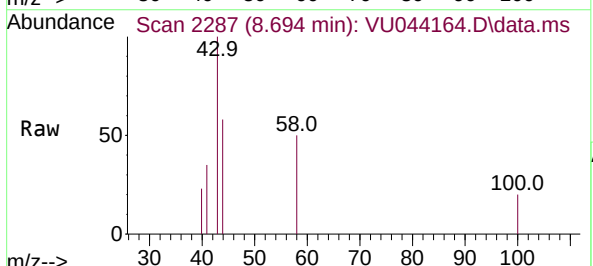
Instrument :
MSVOA_U
ClientSampled :

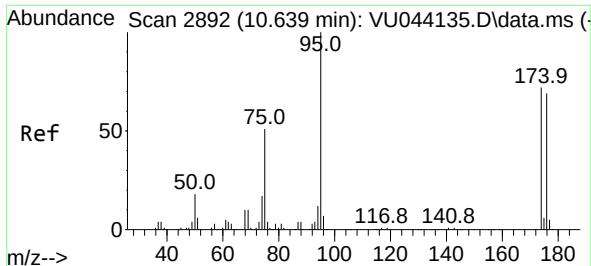
Tgt Ion: 43 Resp: 3956
Ion Ratio Lower Upper
43 100
58 41.0 34.5 51.7



#59
2-Hexanone
Concen: 0.235 ug/l
RT: 8.694 min Scan# 2287
Delta R.T. -0.000 min
Lab File: VU044164.D
Acq: 10 Jun 2021 18:31

Tgt Ion: 43 Resp: 751
Ion Ratio Lower Upper
43 100
58 66.2 30.0 90.1

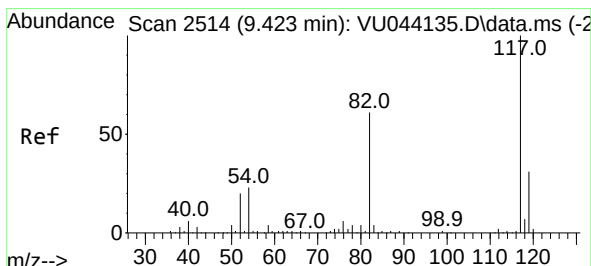
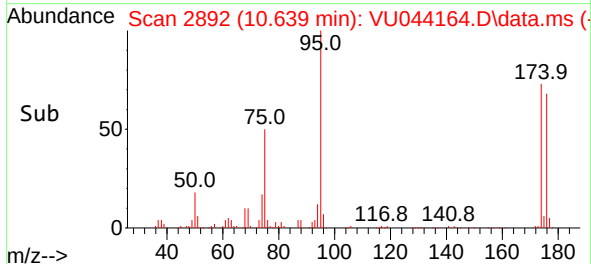
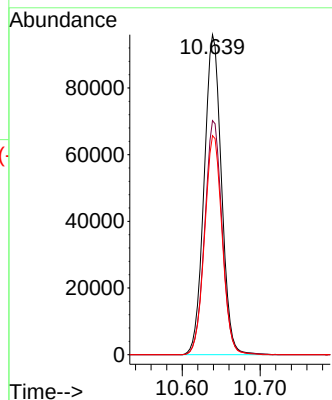
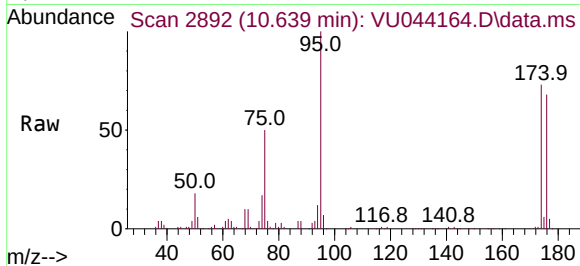




#62
4-Bromofluorobenzene
Concen: 47.221 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044164.D
Acq: 10 Jun 2021 18:31

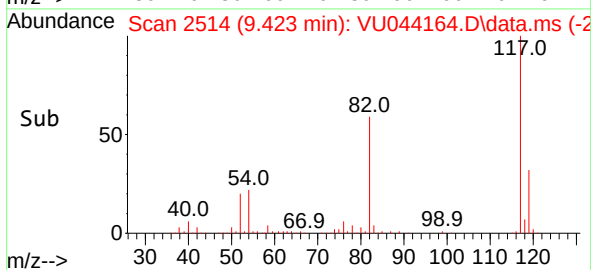
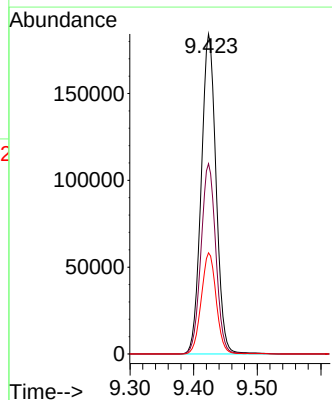
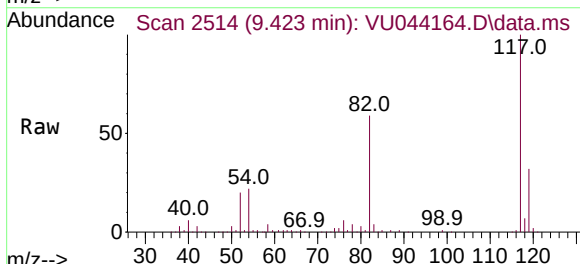
Instrument :
MSVOA_U
ClientSampleId :

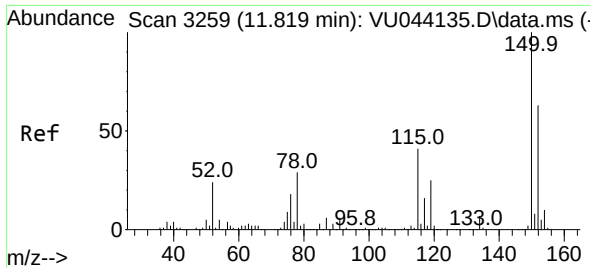
Tgt Ion: 95 Resp: 148144
Ion Ratio Lower Upper
95 100
174 73.3 0.0 144.4
176 69.2 0.0 138.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. -0.000 min
Lab File: VU044164.D
Acq: 10 Jun 2021 18:31

Tgt Ion: 117 Resp: 298776
Ion Ratio Lower Upper
117 100
82 59.5 48.8 73.2
119 31.6 25.0 37.6

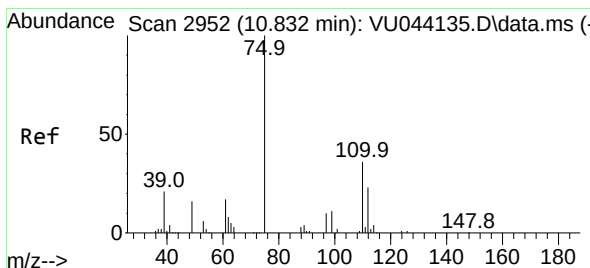
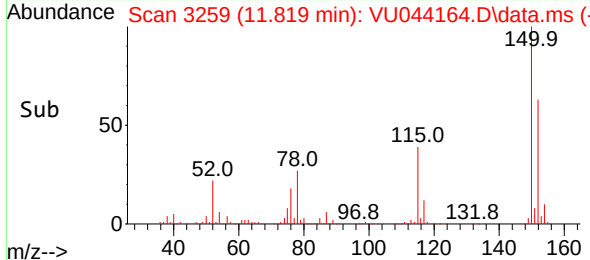
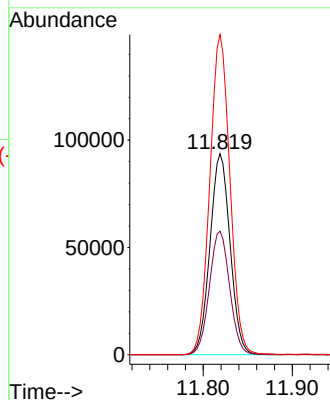
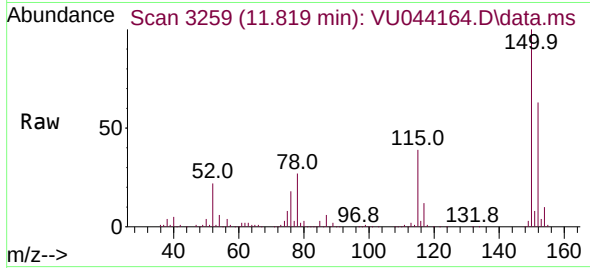




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU044164.D
 Acq: 10 Jun 2021 18:31

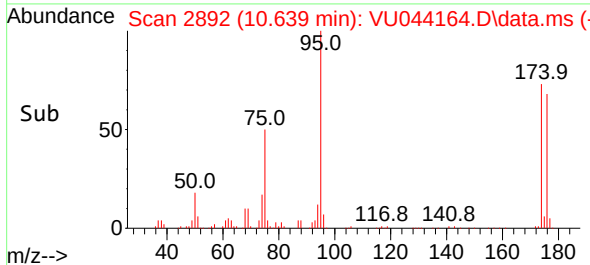
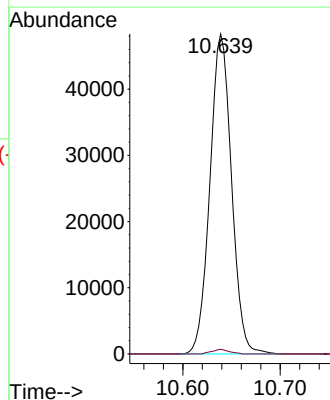
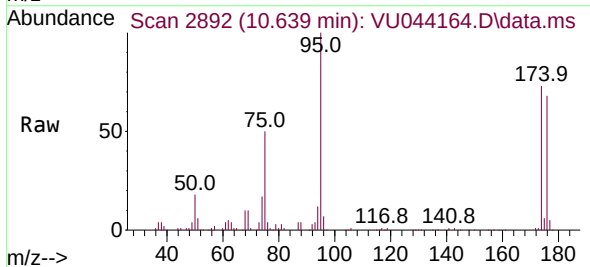
Instrument :
 MSVOA_U
 ClientSampled :

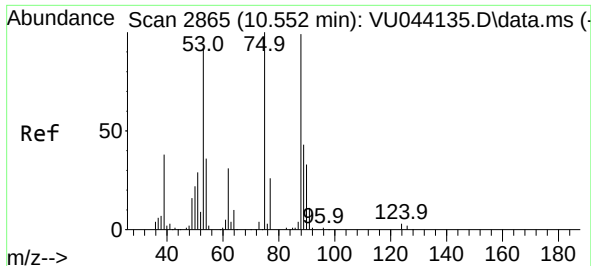
Tgt Ion:152 Resp: 146956
 Ion Ratio Lower Upper
 152 100
 115 61.8 43.8 131.3
 150 158.5 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 15.100 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.193 min
 Lab File: VU044164.D
 Acq: 10 Jun 2021 18:31

Tgt Ion: 75 Resp: 74400
 Ion Ratio Lower Upper
 75 100
 77 1.2 14.9 44.5#

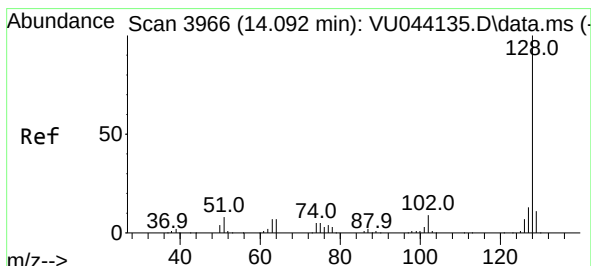
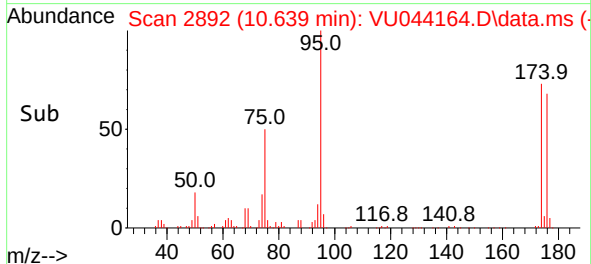
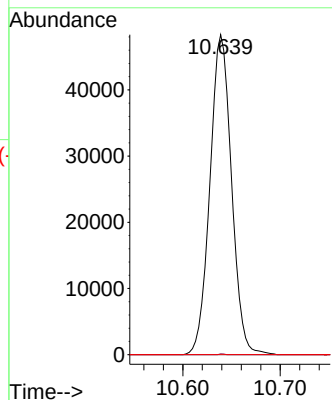
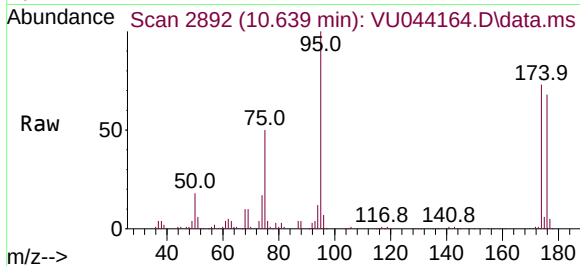




#81
trans-1,4-Dichloro-2-butene
Concen: 54.737 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044164.D
Acq: 10 Jun 2021 18:31

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 75 Resp: 74400
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.2#
89 0.0 35.0 52.6#



#95
Naphthalene
Concen: 2.859 ug/l
RT: 14.102 min Scan# 3969
Delta R.T. 0.010 min
Lab File: VU044164.D
Acq: 10 Jun 2021 18:31

Tgt Ion:128 Resp: 256
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

