

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061021\
 Data File : VU044166.D
 Acq On : 10 Jun 2021 19:18
 Operator : SY/MD
 Sample : M2658-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 11 01:22:07 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)

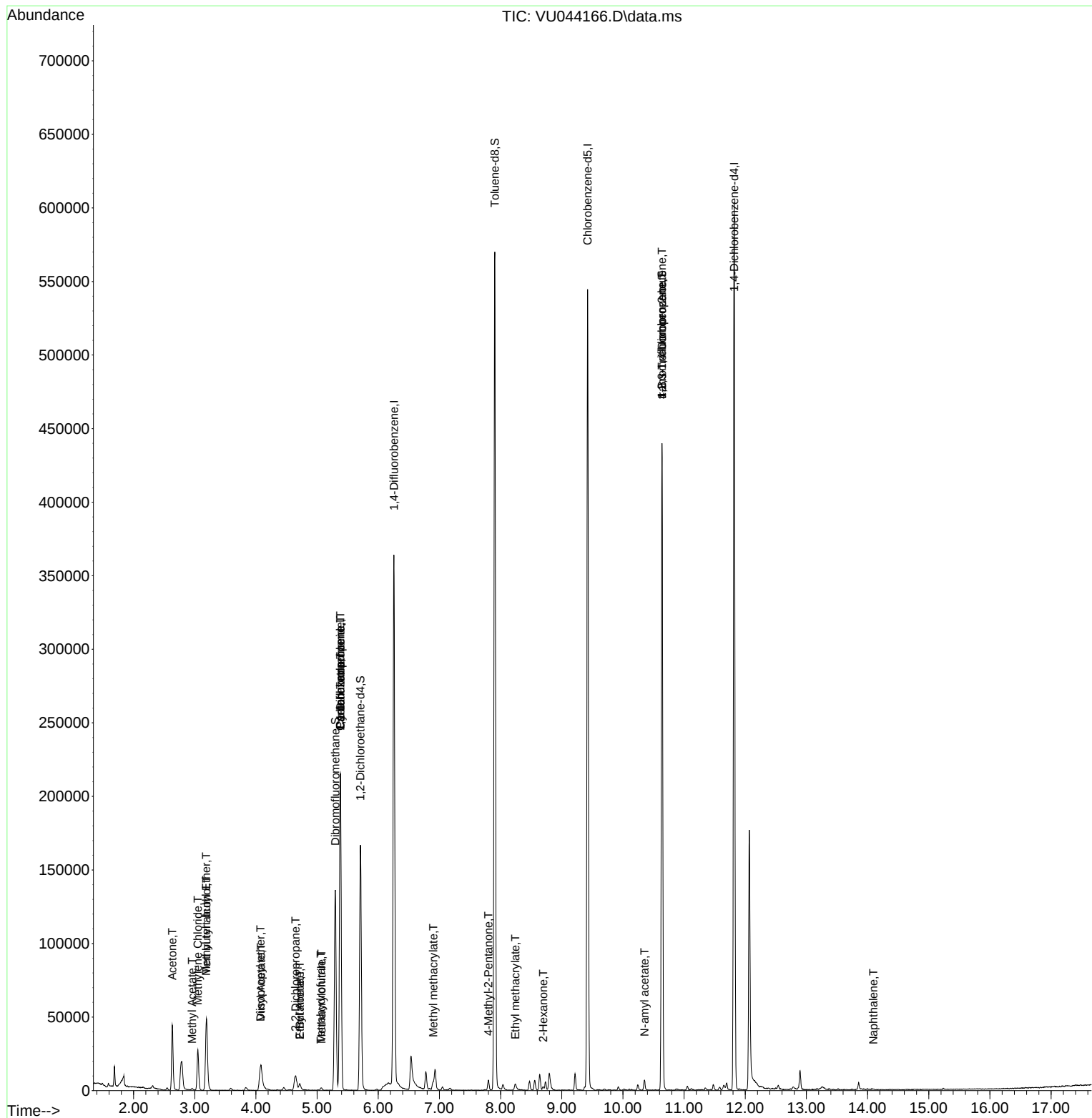
Internal Standards						
1) Pentafluorobenzene	5.382	168	142260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	280229	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	292771	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	151613	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	121611	53.756	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.520%	
35) Dibromofluoromethane	5.298	113	88958	45.635	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.260%	
50) Toluene-d8	7.906	98	371803	49.664	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.320%	
62) 4-Bromofluorobenzene	10.639	95	148818	49.603	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.200%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	501	Below Cal		93
6) Chloroethane	1.906	64	261	Below Cal	#	42
11) Tert butyl alcohol	3.192	59	31124	51.141	ug/l #	76
16) Acetone	2.633	43	47670	39.003	ug/l	96
18) Methyl Acetate	2.957	43	1919	0.659	ug/l #	63
19) Methyl tert-butyl Ether	3.189	73	1637	0.307	ug/l	93
20) Methylene Chloride	3.051	84	13274	5.443	ug/l	98
22) Diisopropyl ether	4.076	45	1271	0.226	ug/l #	1
23) Vinyl Acetate	4.083	43	3264	0.612	ug/l #	71
25) 2-Butanone	4.716	43	6309	3.341	ug/l	96
26) 2,2-Dichloropropane	4.649	77	628	0.213	ug/l #	53
29) Tetrahydrofuran	5.063	42	1060	1.033	ug/l #	70
31) Cyclohexane	5.382	56	3073	0.963	ug/l #	1
36) 1,1-Dichloropropene	5.378	75	12692	4.071	ug/l #	50
37) Ethyl Acetate	4.716	43	6309	1.690	ug/l #	67
38) Carbon Tetrachloride	5.378	117	15235	5.413	ug/l #	17
41) Methacrylonitrile	5.073	41	740	0.387	ug/l #	36
48) Methyl methacrylate	6.899	41	7450	2.890	ug/l #	22
51) 4-Methyl-2-Pentanone	7.800	43	4893	1.276	ug/l	93
56) Ethyl methacrylate	8.243	69	1022	0.291	ug/l #	35
59) 2-Hexanone	8.697	43	1666	0.545	ug/l	93
74) N-amyl acetate	10.356	43	1476	0.324	ug/l #	28
76) 1,2,3-Trichloropropane	10.639	75	75384	14.830	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.639	75	75384	53.758	ug/l #	13
95) Naphthalene	14.095	128	426	2.874	ug/l #	69

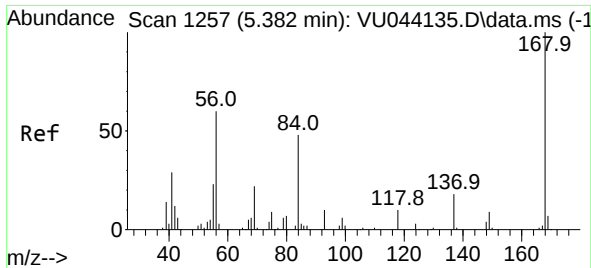
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060921W.M
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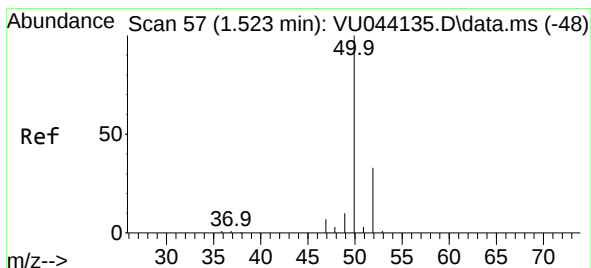
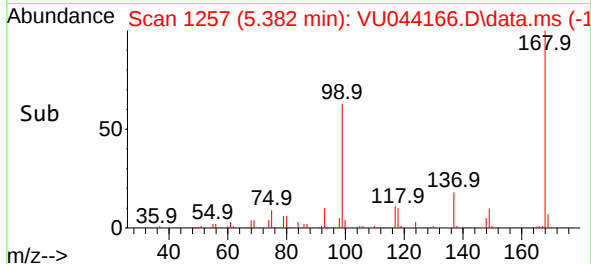
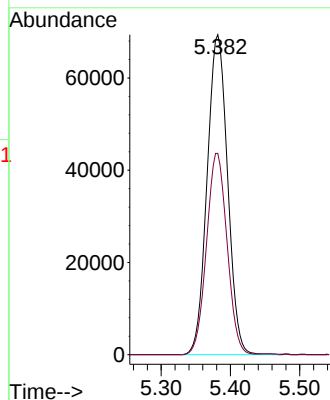
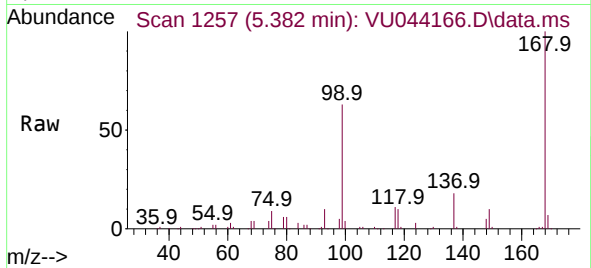




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044166.D
Acq: 10 Jun 2021 19:18

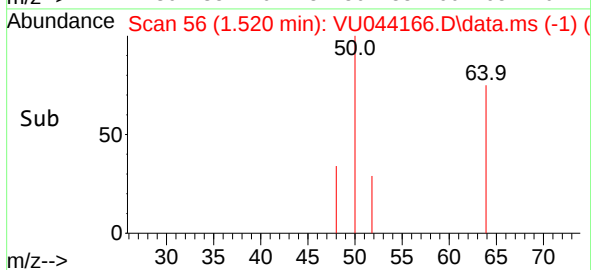
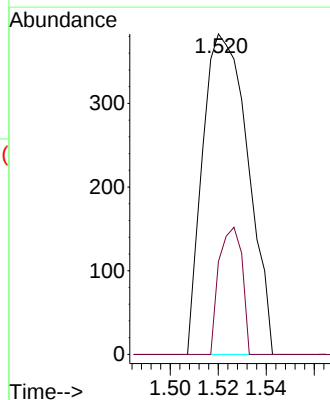
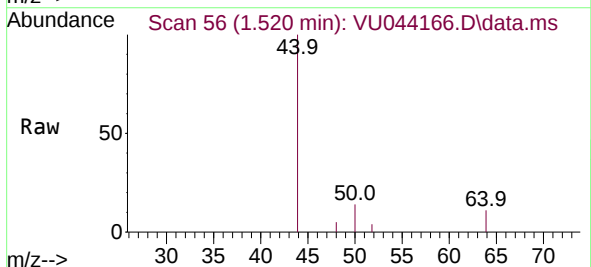
Instrument :
MSVOA_U
ClientSampled :

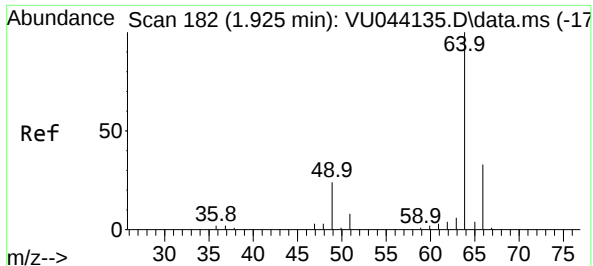
Tgt Ion:168 Resp: 142260
Ion Ratio Lower Upper
168 100
99 62.9 51.3 76.9



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU044166.D
Acq: 10 Jun 2021 19:18

Tgt Ion: 50 Resp: 501
Ion Ratio Lower Upper
50 100
52 29.0 26.6 39.8

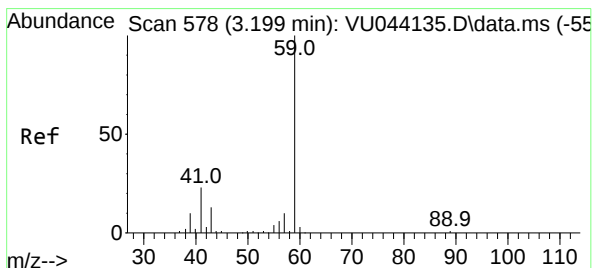
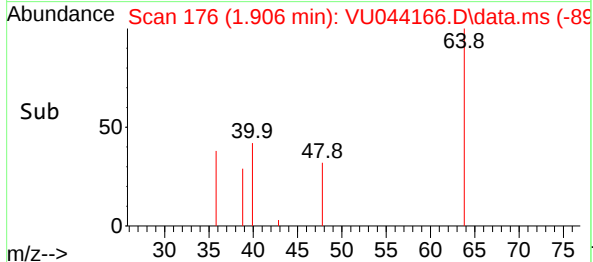
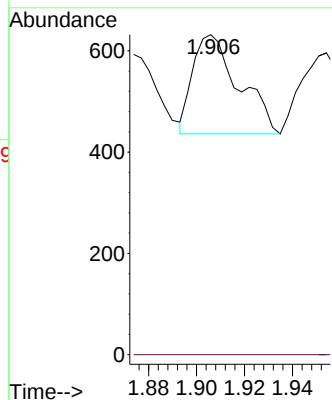
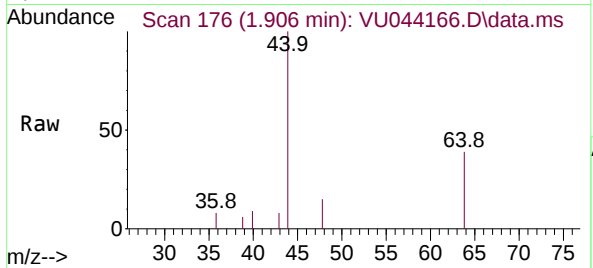




#6
Chloroethane
Concen: Below Cal
RT: 1.906 min Scan# 176
Delta R.T. -0.019 min
Lab File: VU044166.D
Acq: 10 Jun 2021 19:18

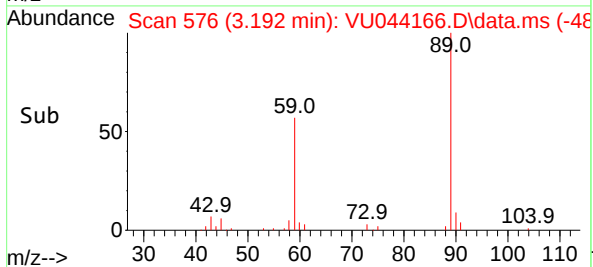
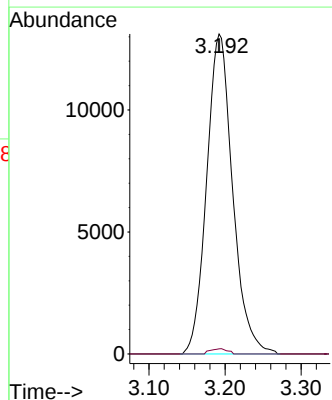
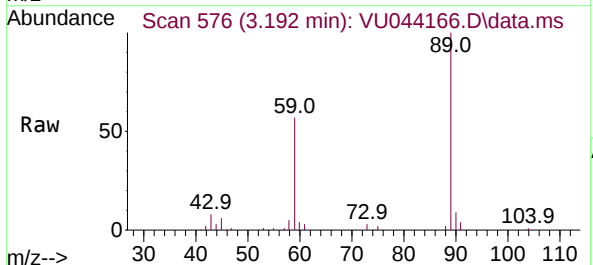
Instrument :
MSVOA_U
ClientSampled :

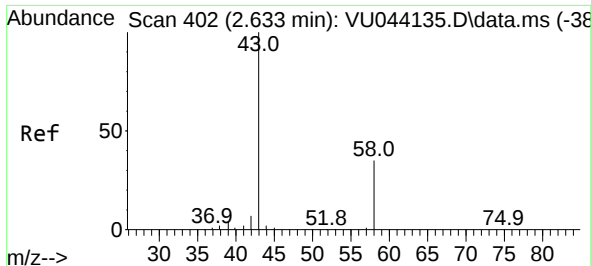
Tgt Ion: 64 Resp: 261
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#



#11
Tert butyl alcohol
Concen: 51.141 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.007 min
Lab File: VU044166.D
Acq: 10 Jun 2021 19:18

Tgt Ion: 59 Resp: 31124
Ion Ratio Lower Upper
59 100
57 1.1 8.0 12.0#

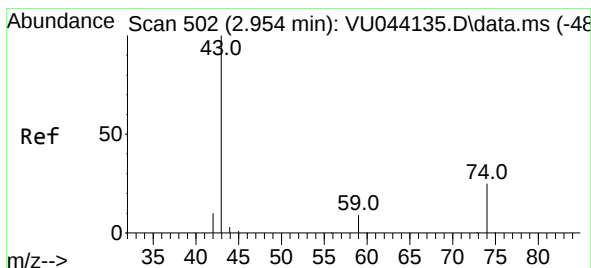
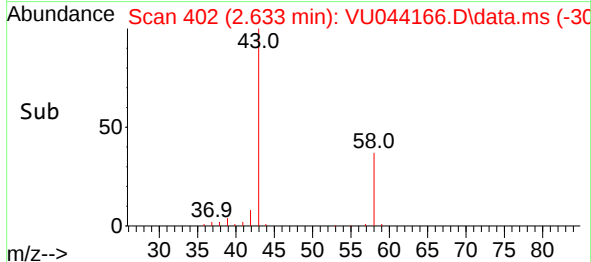
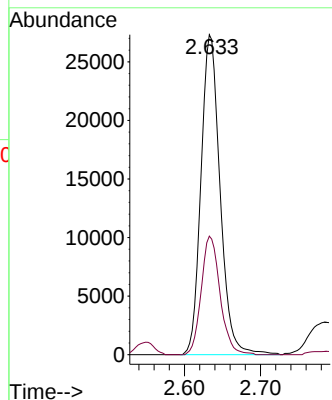
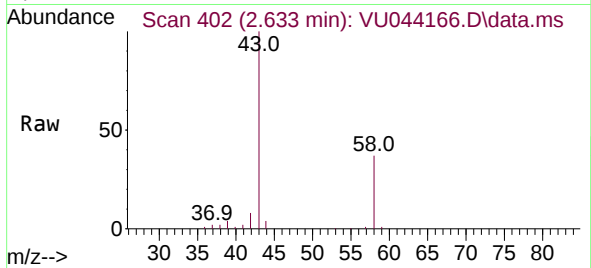




#16
Acetone
Concen: 39.003 ug/l
RT: 2.633 min Scan# 402
Delta R.T. -0.000 min
Lab File: VU044166.D
Acq: 10 Jun 2021 19:18

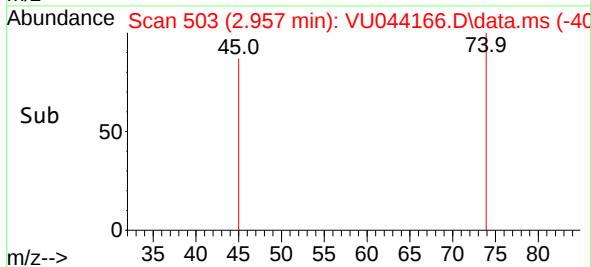
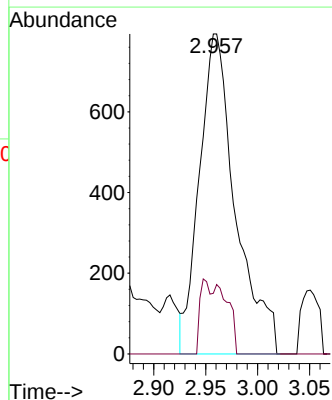
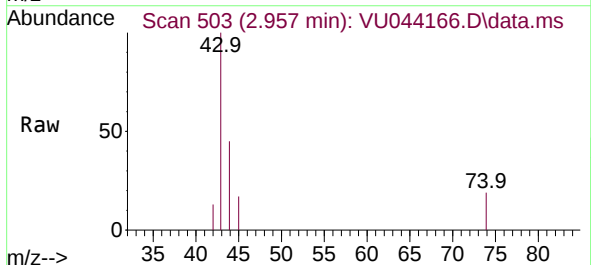
Instrument :
MSVOA_U
ClientSampled :

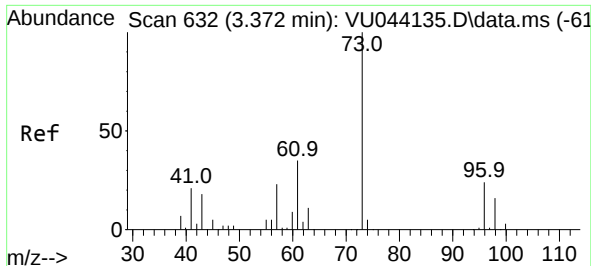
Tgt Ion: 43 Resp: 47670
Ion Ratio Lower Upper
43 100
58 37.0 28.0 42.0



#18
Methyl Acetate
Concen: 0.659 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.003 min
Lab File: VU044166.D
Acq: 10 Jun 2021 19:18

Tgt Ion: 43 Resp: 1919
Ion Ratio Lower Upper
43 100
74 6.6 20.3 30.5#



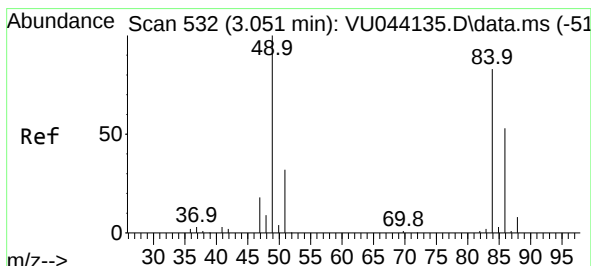
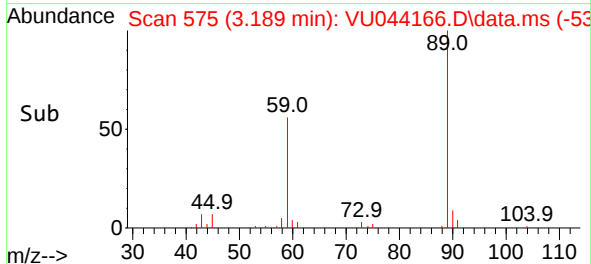
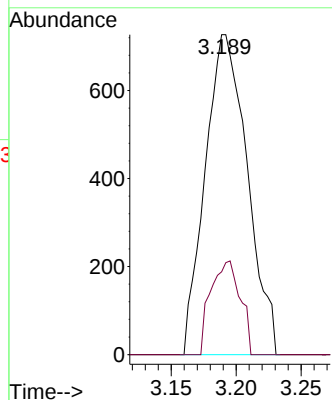
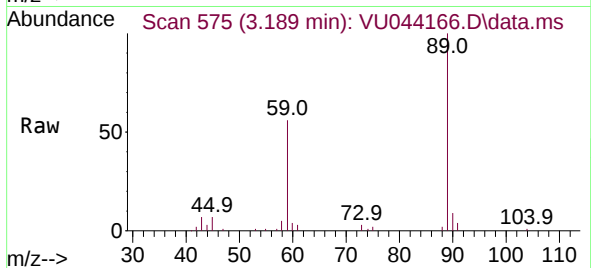


#19

Methyl tert-butyl Ether
Concen: 0.307 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.183 min
Lab File: VU044166.D
Acq: 10 Jun 2021 19:18

Instrument :
MSVOA_U
ClientSampleId :

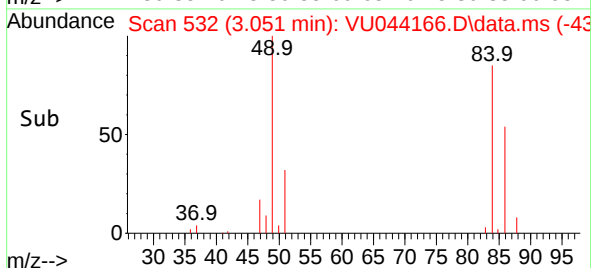
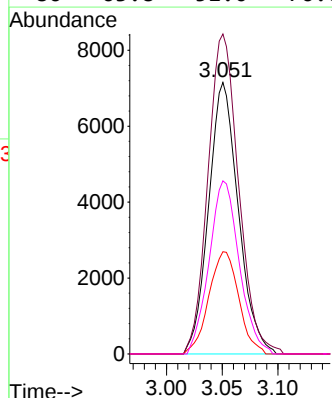
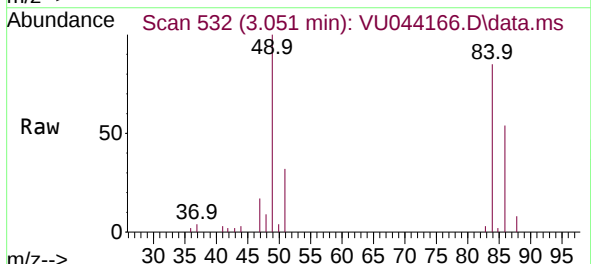
Tgt Ion: 73 Resp: 1637
Ion Ratio Lower Upper
73 100
57 25.9 18.0 27.0

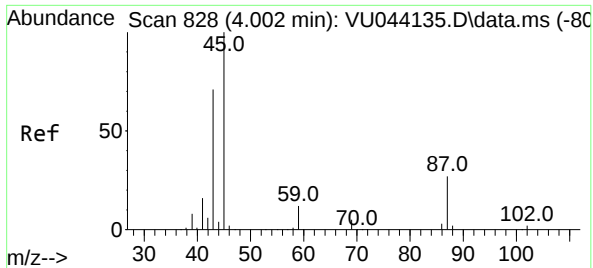


#20

Methylene Chloride
Concen: 5.443 ug/l
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU044166.D
Acq: 10 Jun 2021 19:18

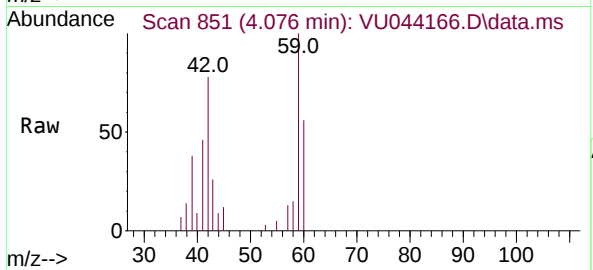
Tgt Ion: 84 Resp: 13274
Ion Ratio Lower Upper
84 100
49 117.8 96.9 145.3
51 37.6 31.0 46.6
86 63.8 51.0 76.6



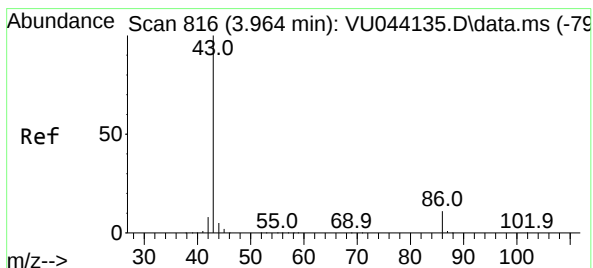
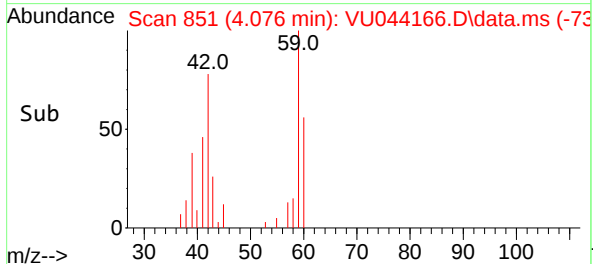
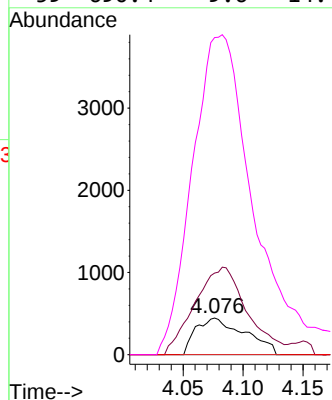


#22
Diisopropyl ether
Concen: 0.226 ug/l
RT: 4.076 min Scan# 851
Delta R.T. 0.074 min
Lab File: VU044166.D
Acq: 10 Jun 2021 19:18

Instrument :
MSVOA_U
ClientSampleId :

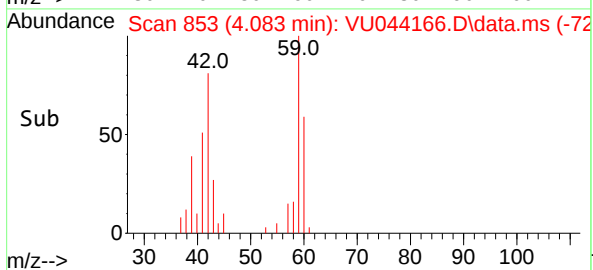
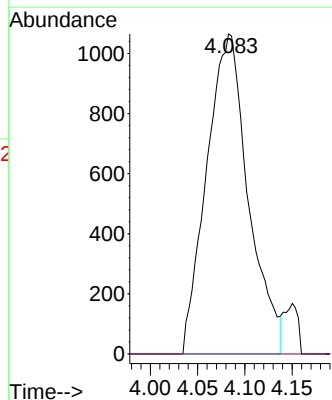
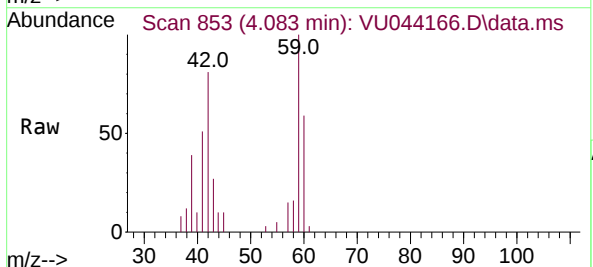


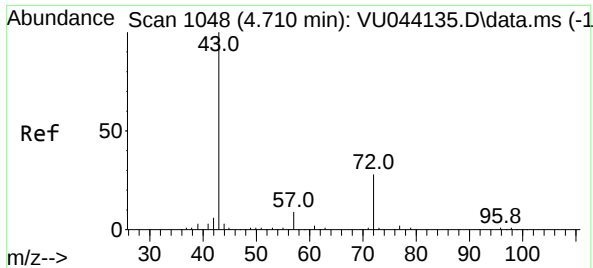
Tgt Ion:	45	Resp:	1271
Ion Ratio	Lower	Upper	
45	100		
43	189.0	58.4	87.6#
87	0.0	21.8	32.6#
59	690.4	9.6	14.4#



#23
Vinyl Acetate
Concen: 0.612 ug/l
RT: 4.083 min Scan# 853
Delta R.T. 0.119 min
Lab File: VU044166.D
Acq: 10 Jun 2021 19:18

Tgt Ion:	43	Resp:	3264
Ion Ratio	Lower	Upper	
43	100		
86	0.0	8.8	13.2#

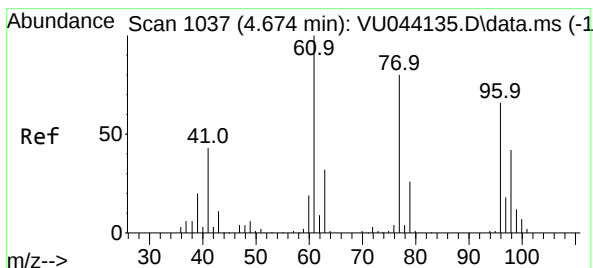
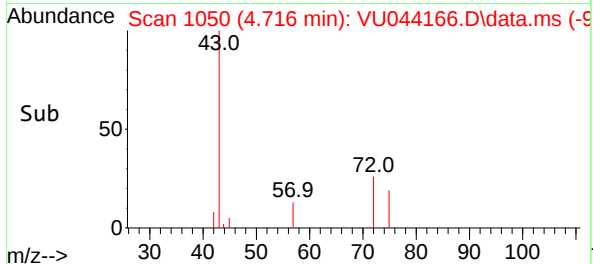
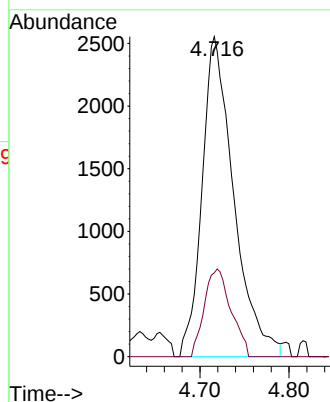
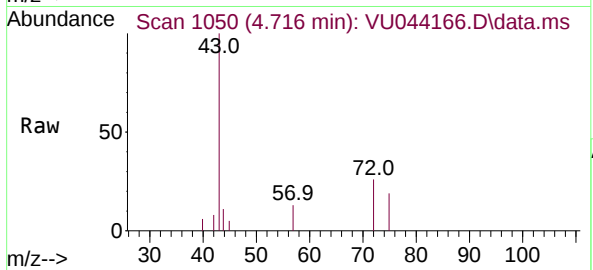




#25
2-Butanone
Concen: 3.341 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. 0.006 min
Lab File: VU044166.D
Acq: 10 Jun 2021 19:18

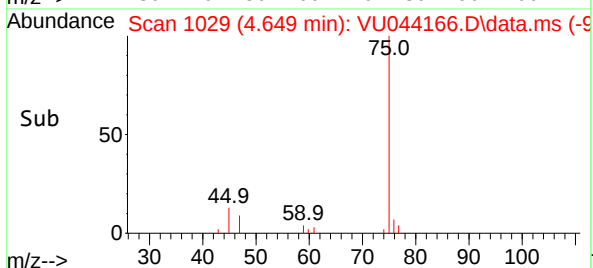
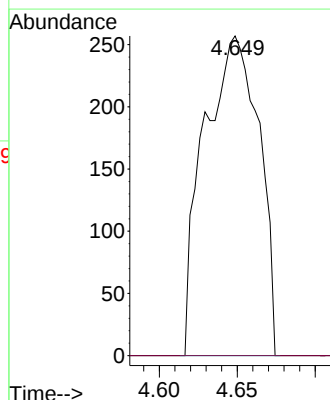
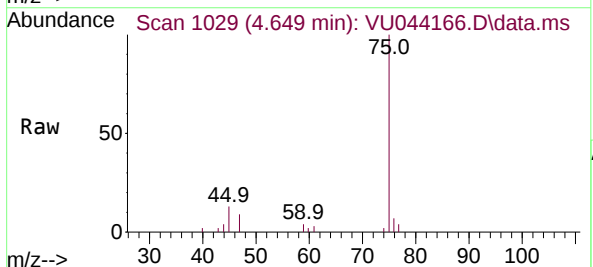
Instrument :
MSVOA_U
ClientSampled :

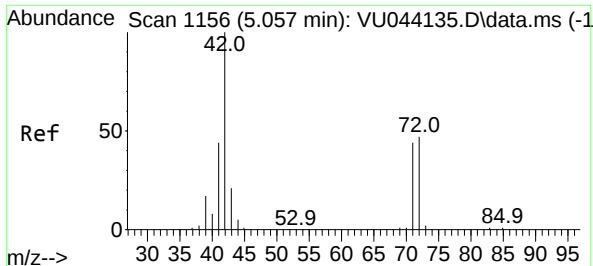
Tgt Ion: 43 Resp: 6309
Ion Ratio Lower Upper
43 100
72 26.2 22.6 33.8



#26
2,2-Dichloropropane
Concen: 0.213 ug/l
RT: 4.649 min Scan# 1029
Delta R.T. -0.025 min
Lab File: VU044166.D
Acq: 10 Jun 2021 19:18

Tgt Ion: 77 Resp: 628
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#





#29

Tetrahydrofuran

Concen: 1.033 ug/l

RT: 5.063 min Scan# 1158

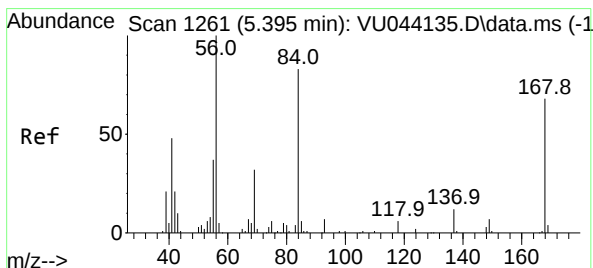
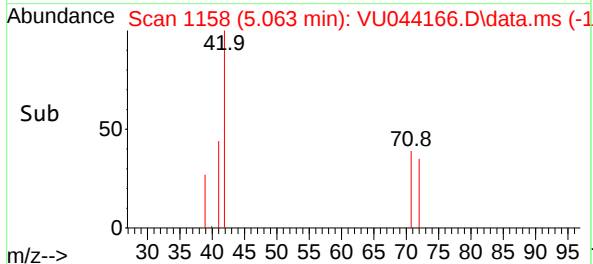
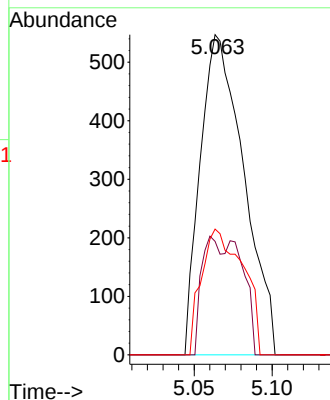
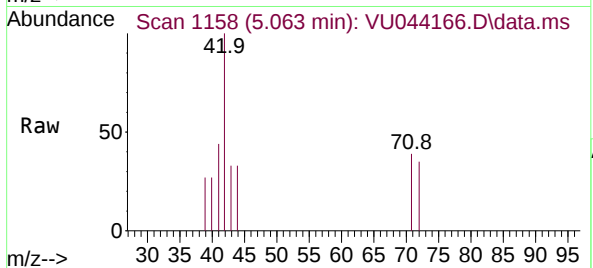
Delta R.T. 0.006 min

Lab File: VU044166.D

Acq: 10 Jun 2021 19:18

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 42	Resp: 1060
Ion Ratio	Lower Upper
42	100
72	16.0 38.6 57.8#
71	37.7 35.5 53.3



#31

Cyclohexane

Concen: 0.963 ug/l

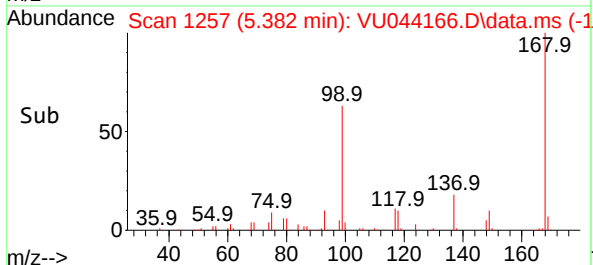
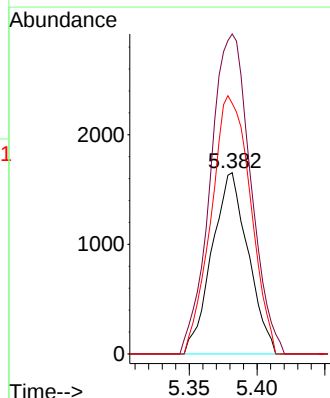
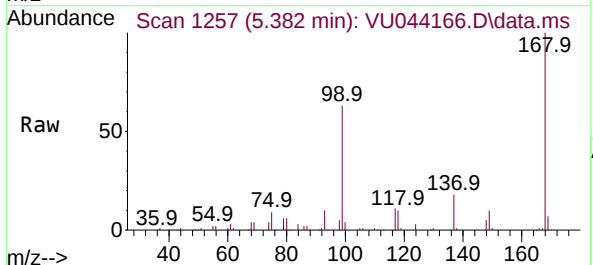
RT: 5.382 min Scan# 1257

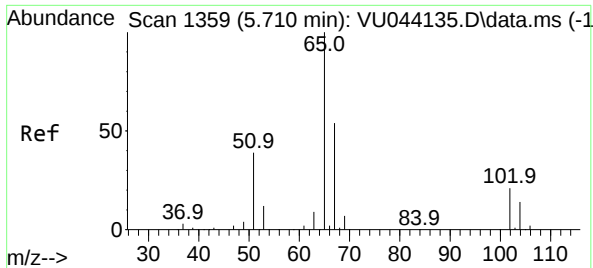
Delta R.T. -0.013 min

Lab File: VU044166.D

Acq: 10 Jun 2021 19:18

Tgt Ion: 56	Resp: 3073
Ion Ratio	Lower Upper
56	100
69	176.5 25.5 38.3#
84	138.3 66.3 99.5#



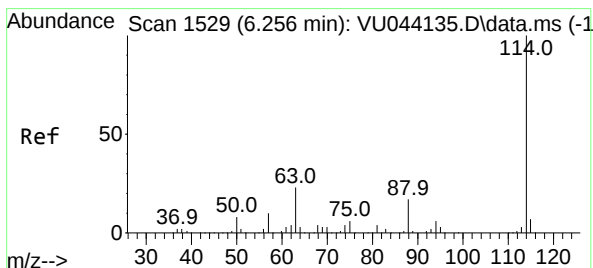
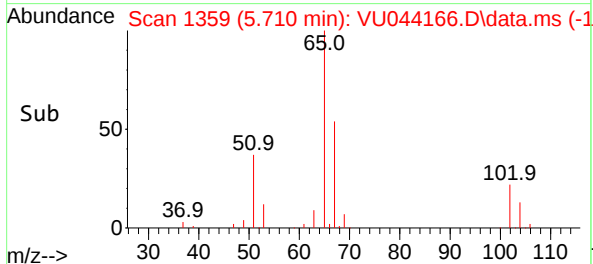
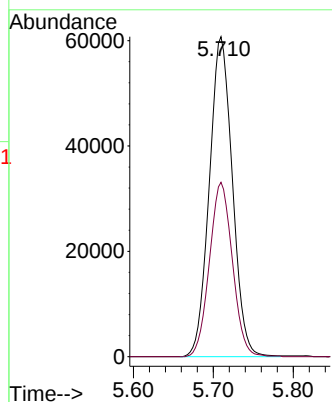
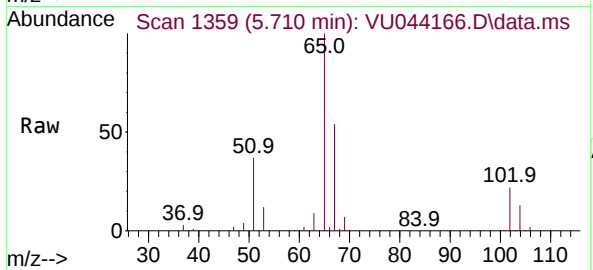


#33

1,2-Dichloroethane-d4
Concen: 53.756 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044166.D
Acq: 10 Jun 2021 19:18

Instrument :
MSVOA_U
ClientSampled :

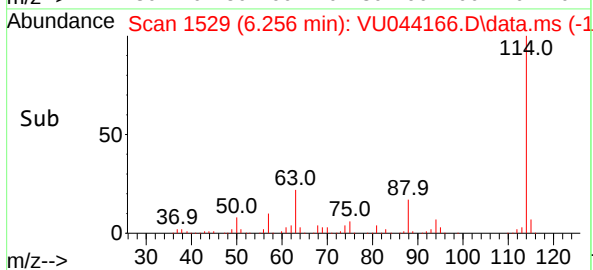
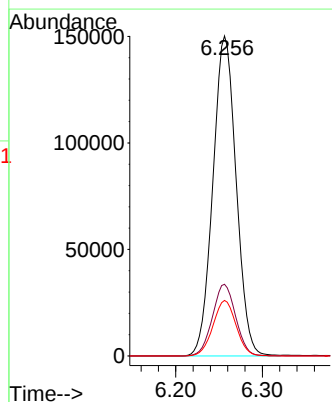
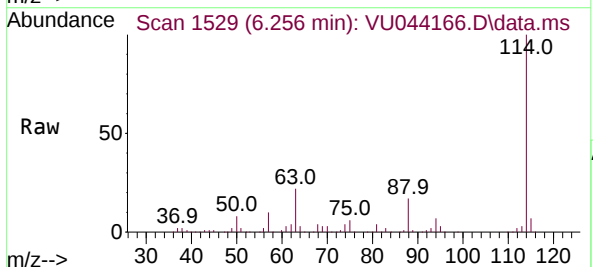
Tgt Ion: 65 Resp: 121611
Ion Ratio Lower Upper
65 100
67 54.2 0.0 106.6

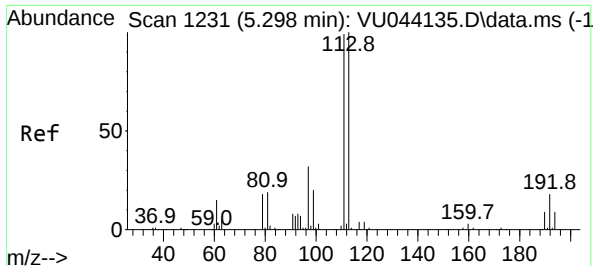


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044166.D
Acq: 10 Jun 2021 19:18

Tgt Ion: 114 Resp: 280229
Ion Ratio Lower Upper
114 100
63 22.4 0.0 45.8
88 17.4 0.0 34.0

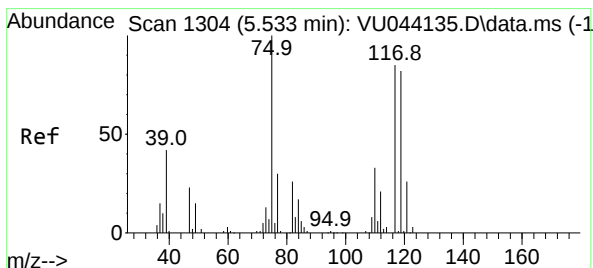
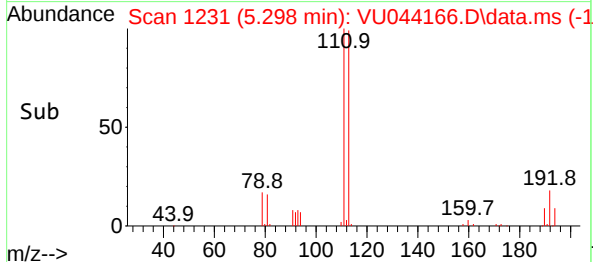
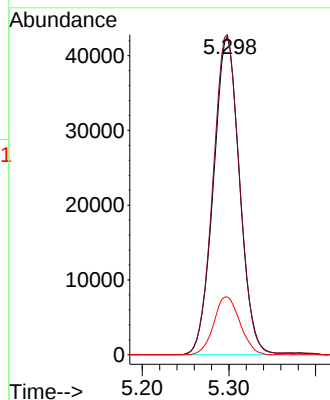
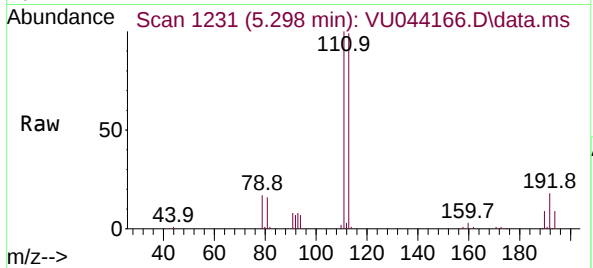




#35
Dibromofluoromethane
Concen: 45.635 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU044166.D
Acq: 10 Jun 2021 19:18

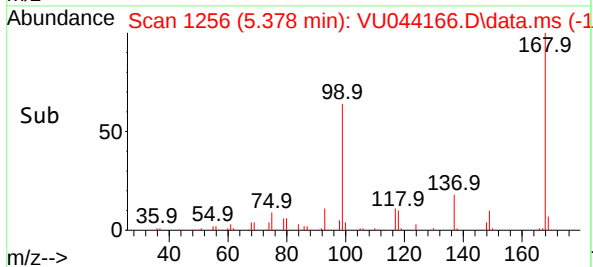
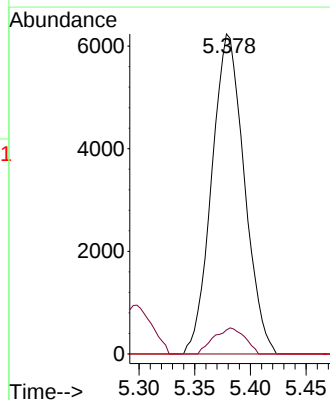
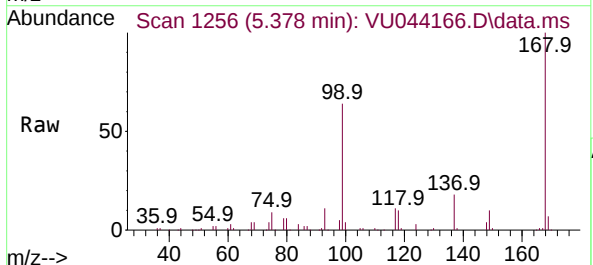
Instrument :
MSVOA_U
ClientSampleId :

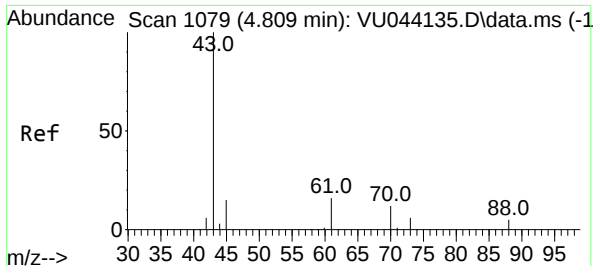
Tgt Ion:113 Resp: 88958
Ion Ratio Lower Upper
113 100
111 102.2 81.0 121.4
192 18.3 14.3 21.5



#36
1,1-Dichloropropene
Concen: 4.071 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.155 min
Lab File: VU044166.D
Acq: 10 Jun 2021 19:18

Tgt Ion: 75 Resp: 12692
Ion Ratio Lower Upper
75 100
110 7.7 16.4 49.4#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.690 ug/l

RT: 4.716 min Scan# 1050

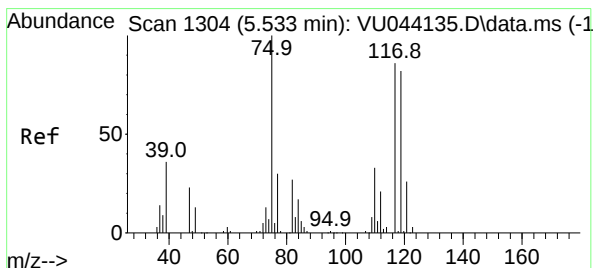
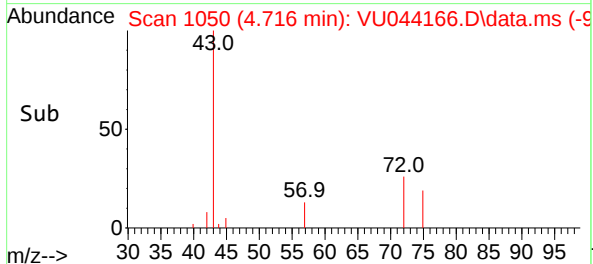
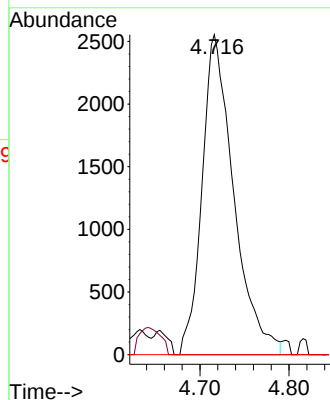
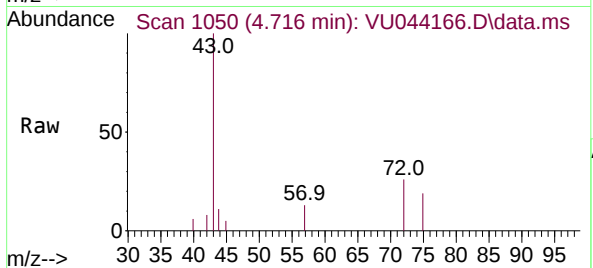
Delta R.T. -0.093 min

Lab File: VU044166.D

Acq: 10 Jun 2021 19:18

Tgt Ion:	43	Resp:	6309
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.9	17.9#
70	0.0	9.4	14.0#

Instrument :
MSVOA_U
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 5.413 ug/l

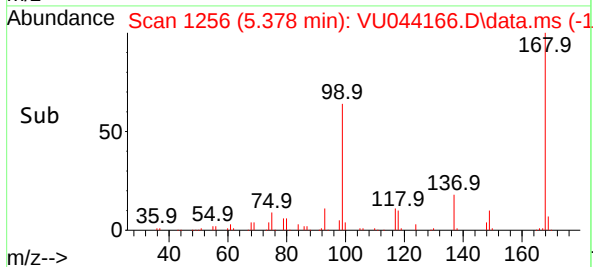
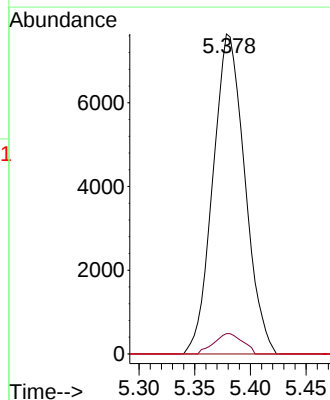
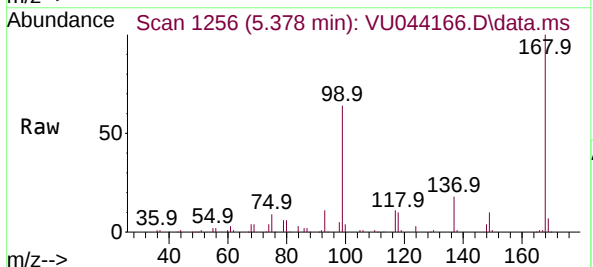
RT: 5.378 min Scan# 1256

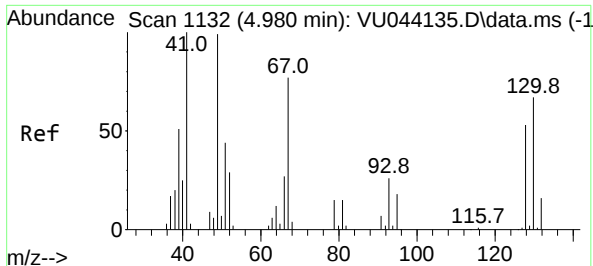
Delta R.T. -0.155 min

Lab File: VU044166.D

Acq: 10 Jun 2021 19:18

Tgt Ion:	117	Resp:	15235
Ion	Ratio	Lower	Upper
117	100		
119	6.4	76.6	114.8#
121	0.0	24.6	36.8#

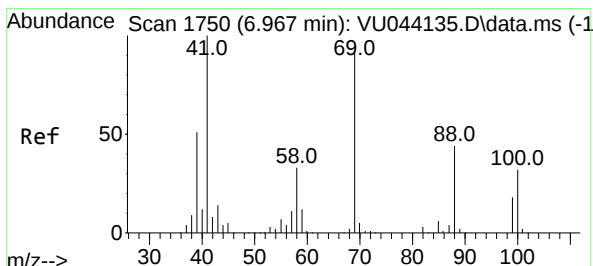
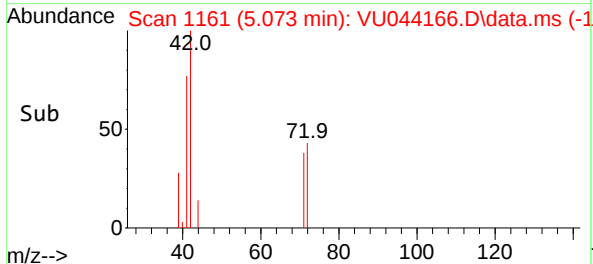
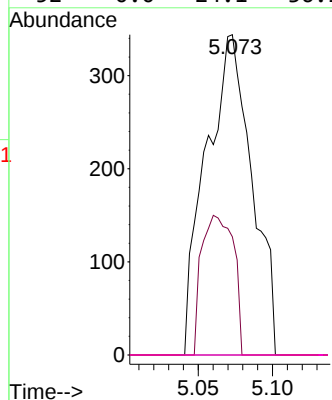
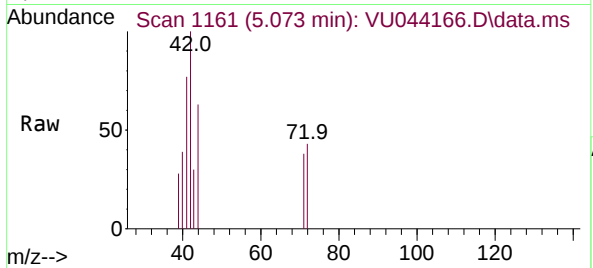




#41
Methacrylonitrile
Concen: 0.387 ug/l
RT: 5.073 min Scan# 1161
Delta R.T. 0.093 min
Lab File: VU044166.D
Acq: 10 Jun 2021 19:18

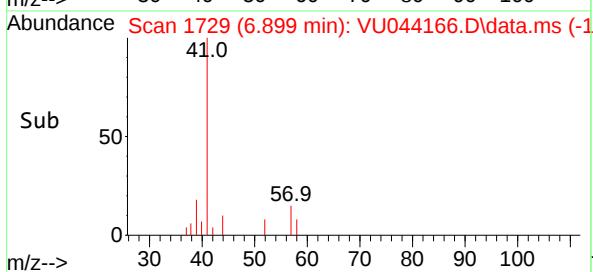
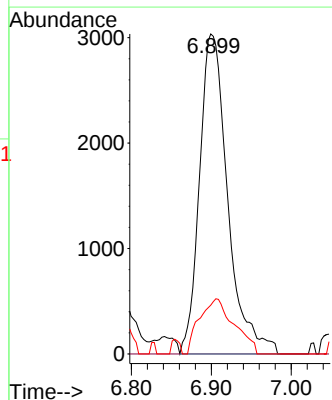
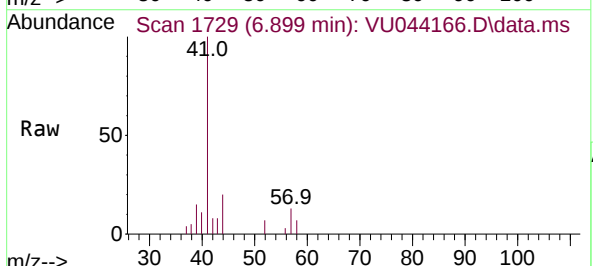
Instrument :
MSVOA_U
ClientSampled :

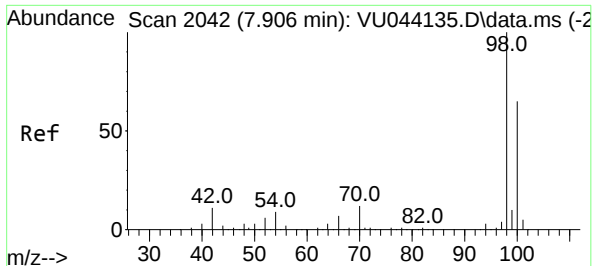
Tgt Ion: 41	Resp: 740
Ion Ratio	Lower Upper
41 100	
39 30.4	41.4 62.0#
67 0.0	62.6 93.8#
52 0.0	24.1 36.1#



#48
Methyl methacrylate
Concen: 2.890 ug/l
RT: 6.899 min Scan# 1729
Delta R.T. -0.068 min
Lab File: VU044166.D
Acq: 10 Jun 2021 19:18

Tgt Ion: 41	Resp: 7450
Ion Ratio	Lower Upper
41 100	
69 0.0	74.0 111.0#
39 21.1	41.5 62.3#

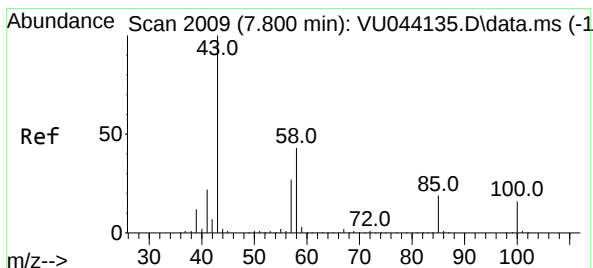
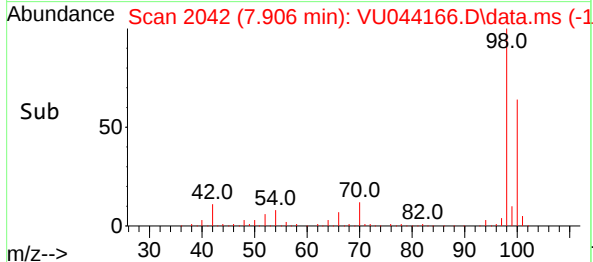
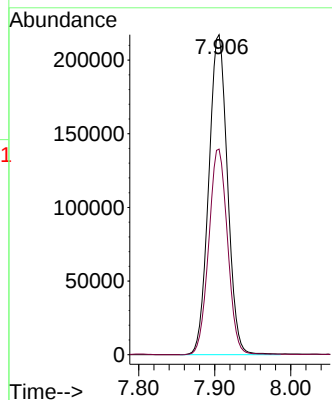
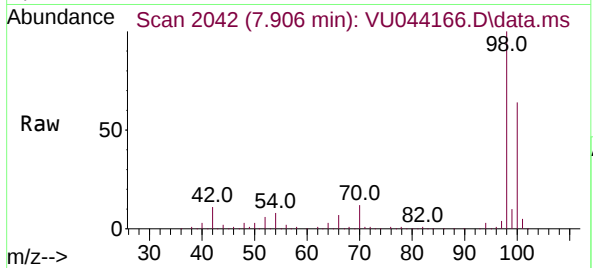




#50
Toluene-d8
Concen: 49.664 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU044166.D
Acq: 10 Jun 2021 19:18

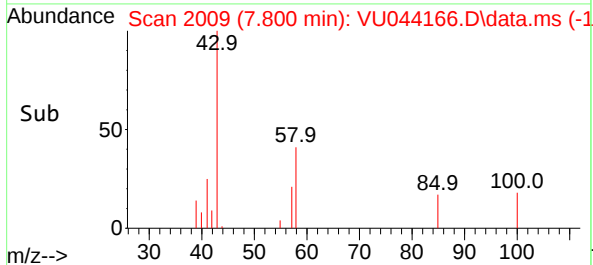
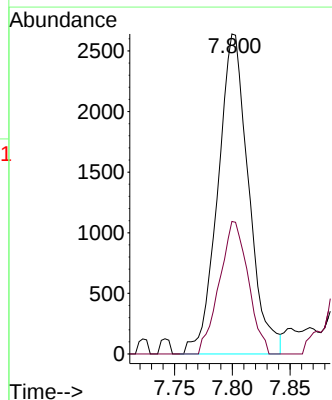
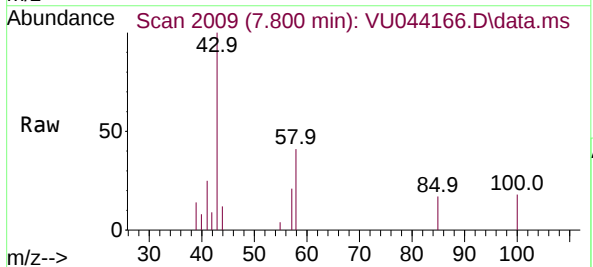
Instrument :
MSVOA_U
ClientSampled :

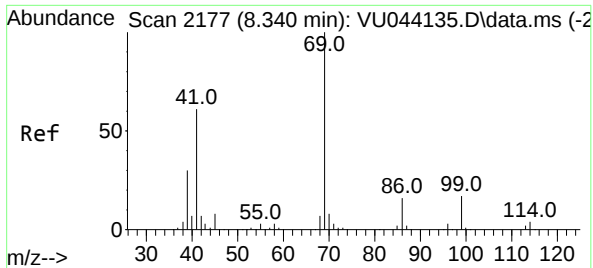
Tgt Ion: 98 Resp: 371803
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 1.276 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VU044166.D
Acq: 10 Jun 2021 19:18

Tgt Ion: 43 Resp: 4893
Ion Ratio Lower Upper
43 100
58 38.7 34.5 51.7

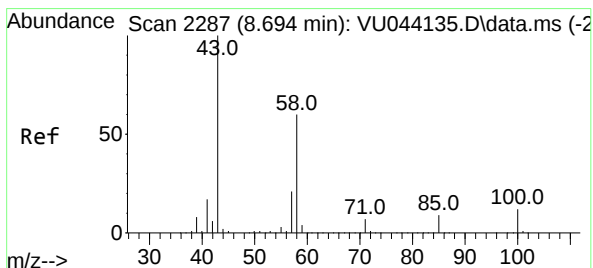
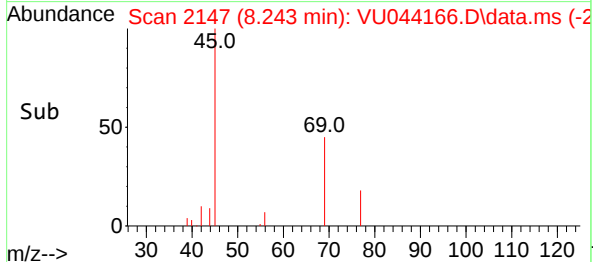
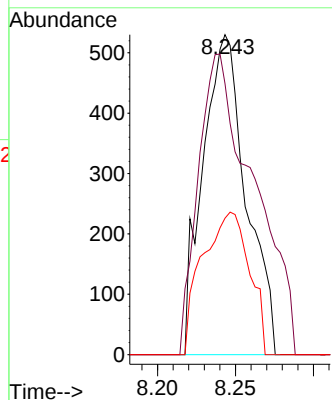
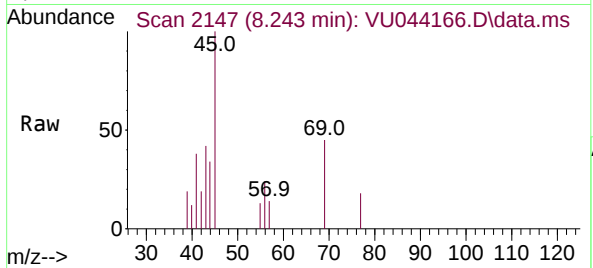




#56
Ethyl methacrylate
Concen: 0.291 ug/l
RT: 8.243 min Scan# 2147
Delta R.T. -0.097 min
Lab File: VU044166.D
Acq: 10 Jun 2021 19:18

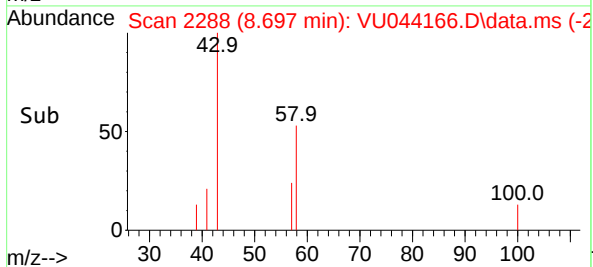
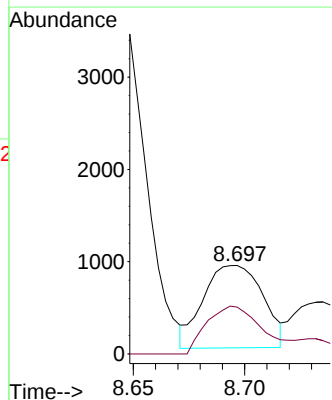
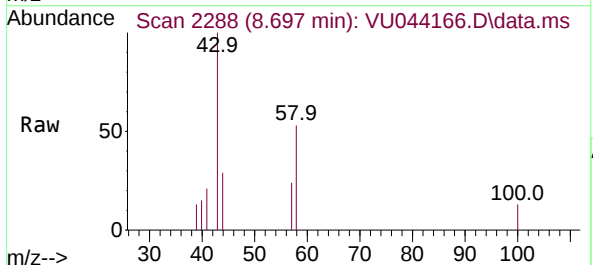
Instrument :
MSVOA_U
ClientSampled :

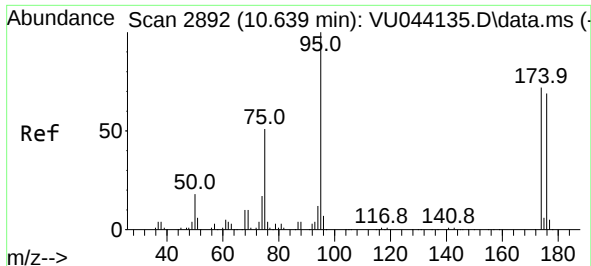
Tgt Ion: 69 Resp: 1022
Ion Ratio Lower Upper
69 100
41 120.6 48.4 72.6#
39 48.4 23.6 35.4#



#59
2-Hexanone
Concen: 0.545 ug/l
RT: 8.697 min Scan# 2288
Delta R.T. 0.003 min
Lab File: VU044166.D
Acq: 10 Jun 2021 19:18

Tgt Ion: 43 Resp: 1666
Ion Ratio Lower Upper
43 100
58 54.9 30.0 90.1

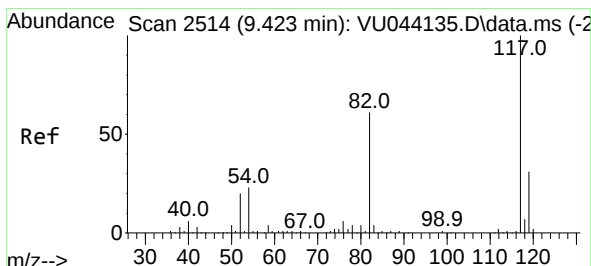
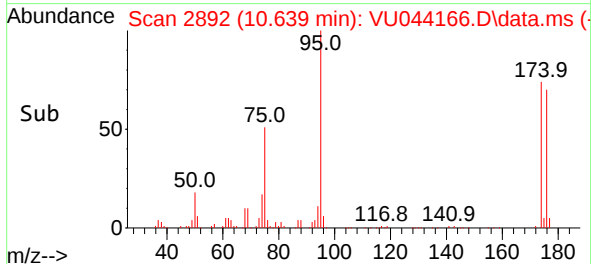
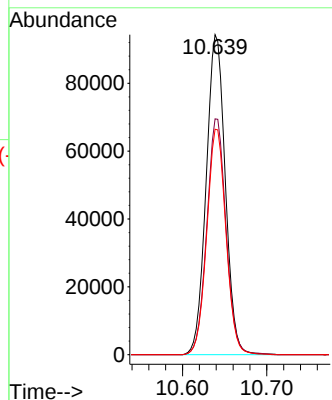
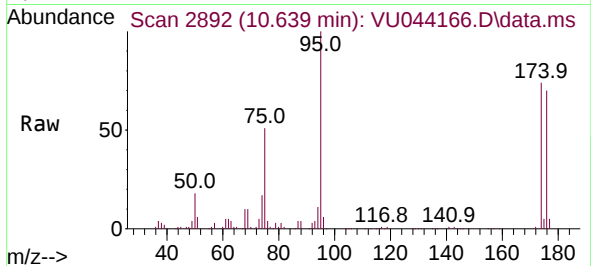




#62
4-Bromofluorobenzene
Concen: 49.603 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044166.D
Acq: 10 Jun 2021 19:18

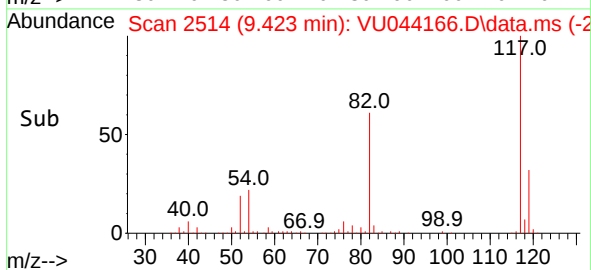
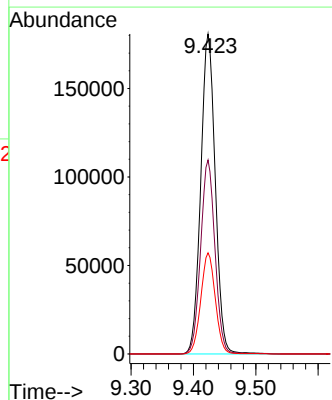
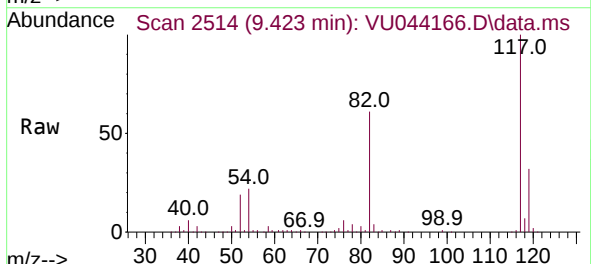
Instrument :
MSVOA_U
ClientSampleId :

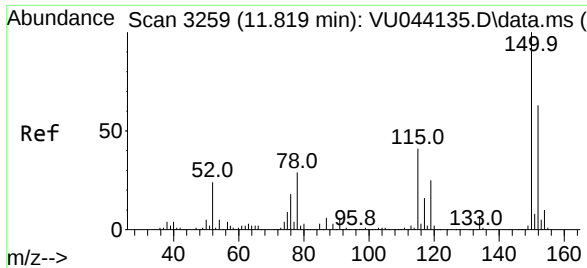
Tgt Ion: 95 Resp: 148818
Ion Ratio Lower Upper
95 100
174 74.3 0.0 144.4
176 70.7 0.0 138.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. -0.000 min
Lab File: VU044166.D
Acq: 10 Jun 2021 19:18

Tgt Ion: 117 Resp: 292771
Ion Ratio Lower Upper
117 100
82 60.6 48.8 73.2
119 31.6 25.0 37.6

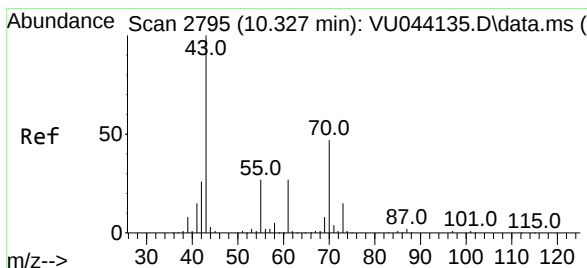
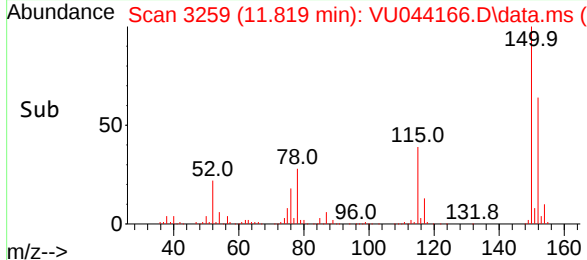
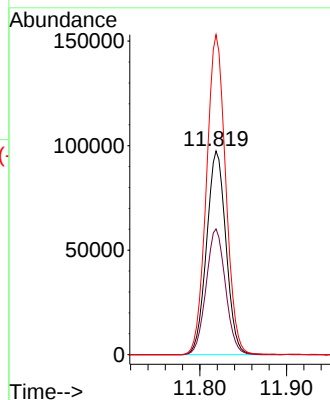
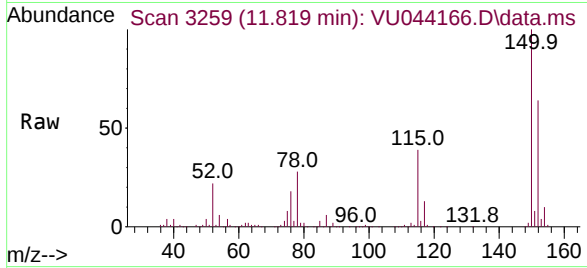




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU044166.D
 Acq: 10 Jun 2021 19:18

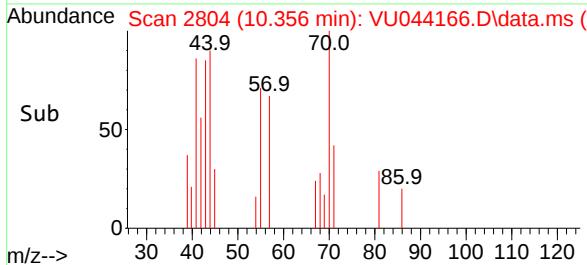
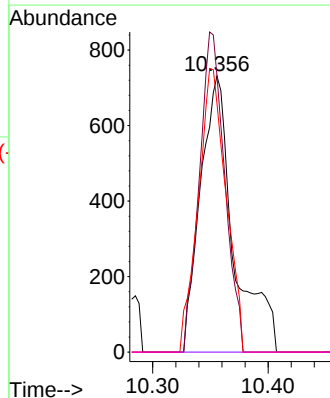
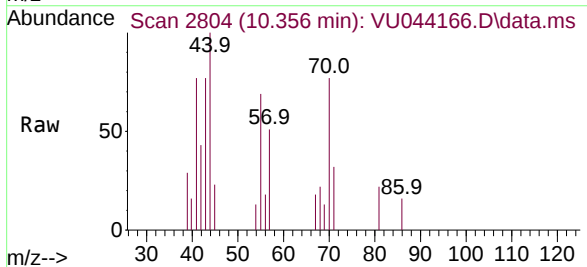
Instrument :
 MSVOA_U
 ClientSampled :

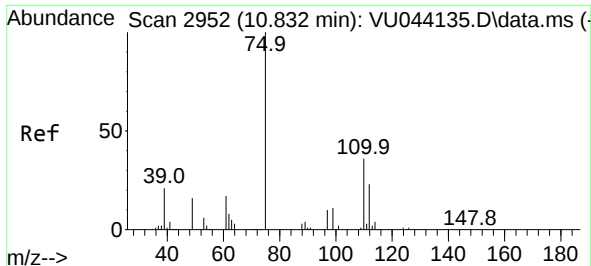
Tgt Ion:152 Resp: 151613
 Ion Ratio Lower Upper
 152 100
 115 61.8 43.8 131.3
 150 155.9 0.0 350.6



#74
 N-ethyl acetate
 Concen: 0.324 ug/l
 RT: 10.356 min Scan# 2804
 Delta R.T. 0.029 min
 Lab File: VU044166.D
 Acq: 10 Jun 2021 19:18

Tgt Ion: 43 Resp: 1476
 Ion Ratio Lower Upper
 43 100
 70 87.7 37.7 56.5#
 55 85.1 22.4 33.6#
 61 0.0 21.5 32.3#

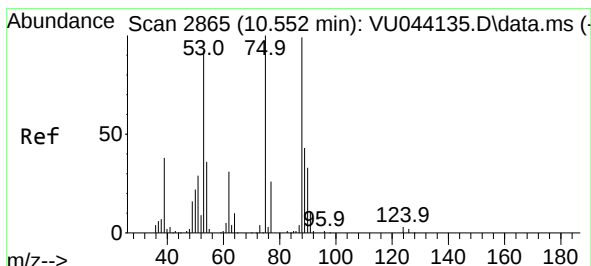
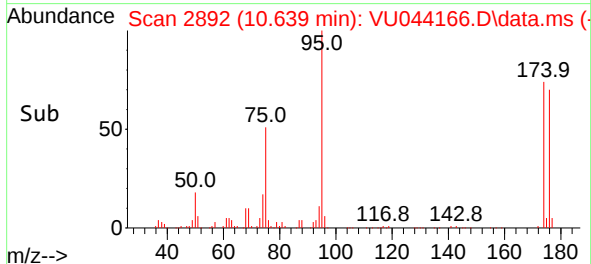
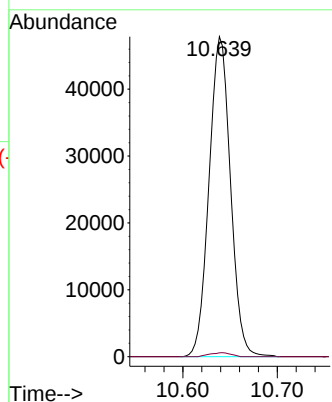
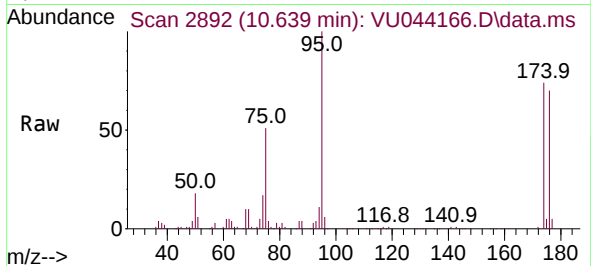




#76
1,2,3-Trichloropropane
Concen: 14.830 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU044166.D
Acq: 10 Jun 2021 19:18

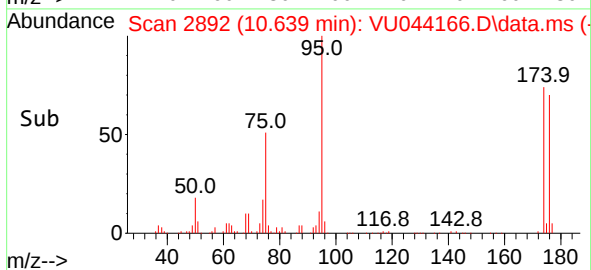
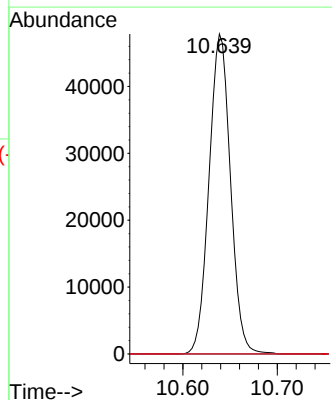
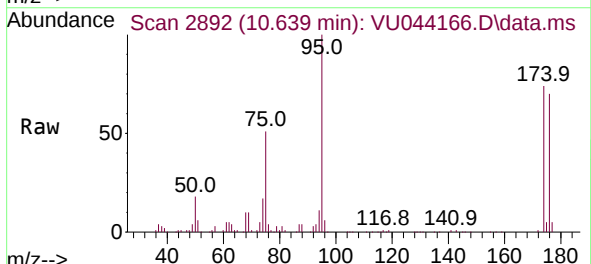
Instrument :
MSVOA_U
ClientSampled :

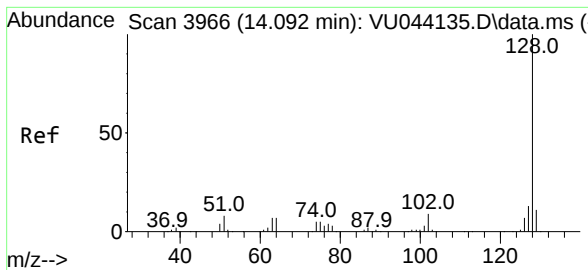
Tgt Ion: 75 Resp: 75384
Ion Ratio Lower Upper
75 100
77 1.3 14.9 44.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.758 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044166.D
Acq: 10 Jun 2021 19:18

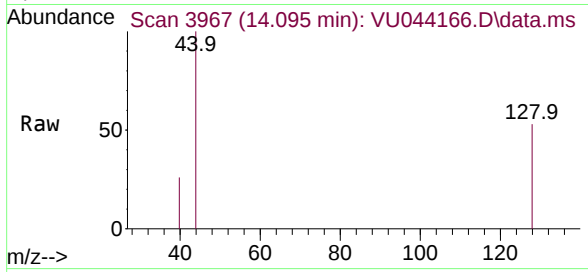
Tgt Ion: 75 Resp: 75384
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.2#
89 0.0 35.0 52.6#





#95
Naphthalene
Concen: 2.874 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU044166.D
Acq: 10 Jun 2021 19:18

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 426
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

