

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061021\
 Data File : VU044165.D
 Acq On : 10 Jun 2021 18:54
 Operator : SY/MD
 Sample : M2658-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 11 01:21:56 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

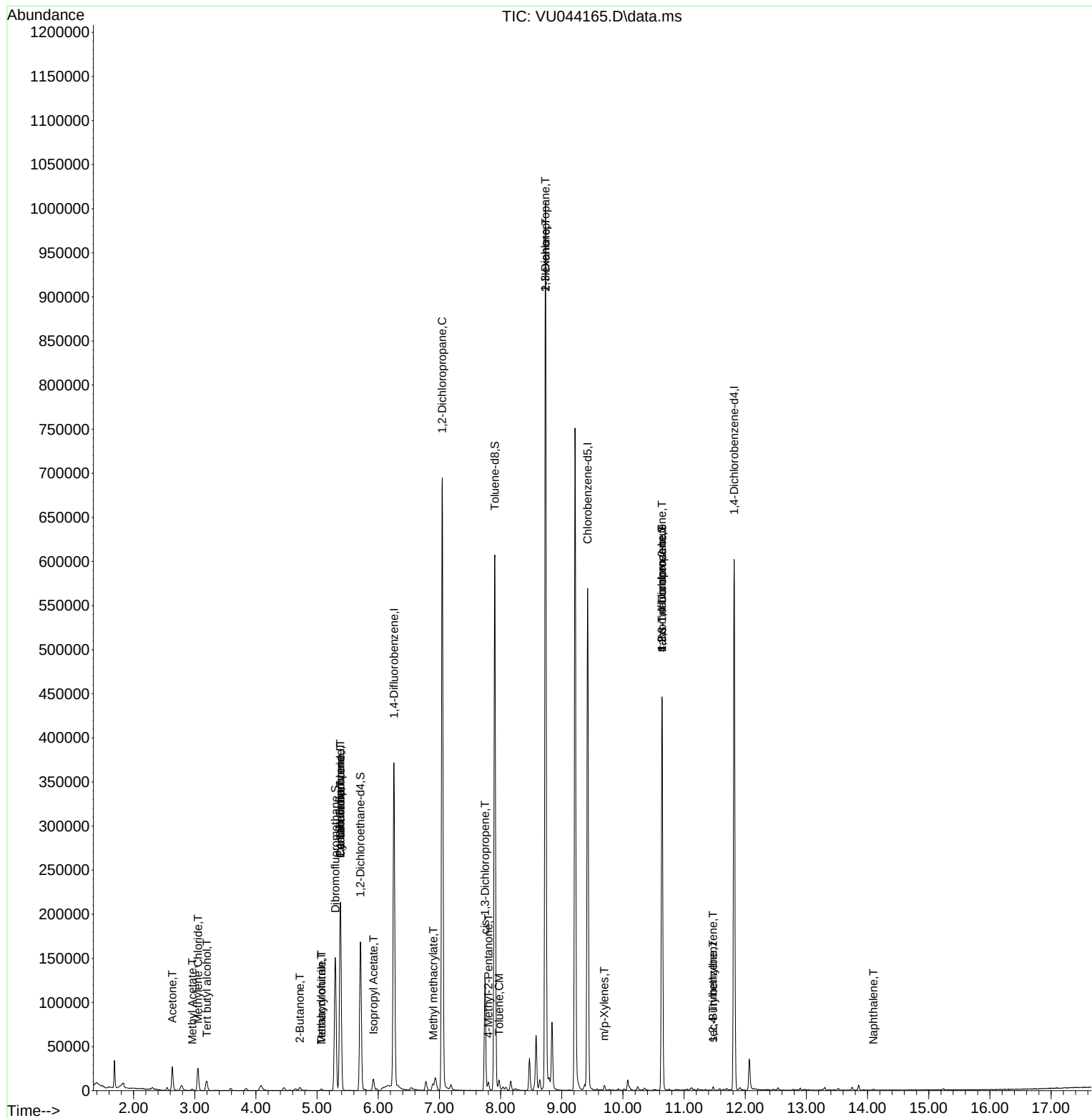
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.382	168	143306	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	285362	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	308908	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	152092	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	123363	54.132	ug/l	0.00
Spiked Amount	50.000		Recovery	= 108.260%		
35) Dibromofluoromethane	5.298	113	98572	49.657	ug/l	0.00
Spiked Amount	50.000		Recovery	= 99.320%		
50) Toluene-d8	7.906	98	389943	51.150	ug/l	0.00
Spiked Amount	50.000		Recovery	= 102.300%		
62) 4-Bromofluorobenzene	10.639	95	152138	49.797	ug/l	0.00
Spiked Amount	50.000		Recovery	= 99.600%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	405	Below Cal		98
6) Chloroethane	1.938	64	36	Below Cal	#	42
11) Tert butyl alcohol	3.199	59	7613	12.418	ug/l #	73
16) Acetone	2.633	43	28473	22.247	ug/l	98
18) Methyl Acetate	2.961	43	2163	0.738	ug/l	95
20) Methylene Chloride	3.054	84	12390	4.953	ug/l	96
25) 2-Butanone	4.716	43	5242	2.756	ug/l	95
29) Tetrahydrofuran	5.070	42	1080	1.044	ug/l #	82
31) Cyclohexane	5.382	56	2897	0.901	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	11917	3.754	ug/l #	51
38) Carbon Tetrachloride	5.382	117	15148	5.285	ug/l #	17
41) Methacrylonitrile	5.073	41	677	0.348	ug/l #	35
43) Isopropyl Acetate	5.922	43	13676	2.535	ug/l	98
45) 1,2-Dichloropropane	7.047	63	935	0.366	ug/l #	43
48) Methyl methacrylate	6.899	41	6938	2.643	ug/l #	23
51) 4-Methyl-2-Pentanone	7.803	43	5655	1.448	ug/l	98
52) Toluene	7.976	92	4336	0.778	ug/l	92
54) cis-1,3-Dichloropropene	7.745	75	22947	5.997	ug/l #	64
57) 1,3-Dichloropropane	8.732	76	9610	2.313	ug/l #	42
59) 2-Hexanone	8.735	43	126845	40.711	ug/l #	50
68) m/p-Xylenes	9.697	106	1415	0.319	ug/l	78
76) 1,2,3-Trichloropropane	10.639	75	77118	15.123	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.639	75	77118	54.821	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.475	105	2247	0.247	ug/l	85
85) sec-Butylbenzene	11.475	105	2247	0.201	ug/l #	58
95) Naphthalene	14.095	128	1415	2.961	ug/l #	75

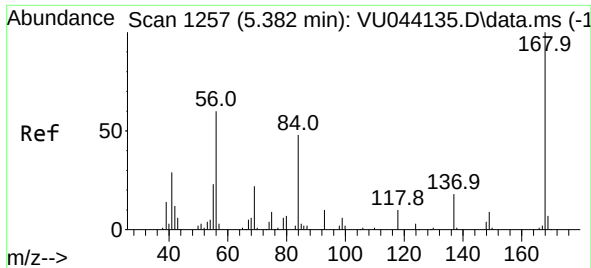
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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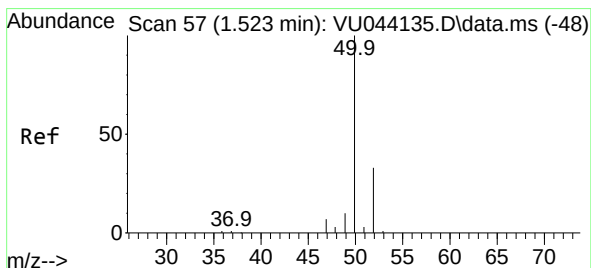
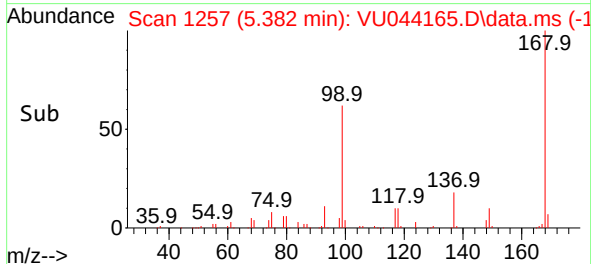
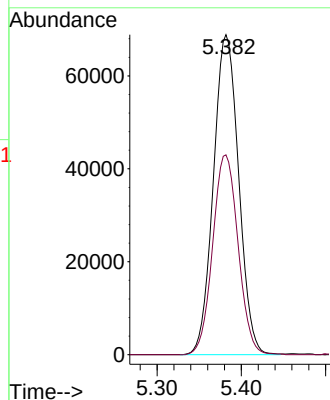
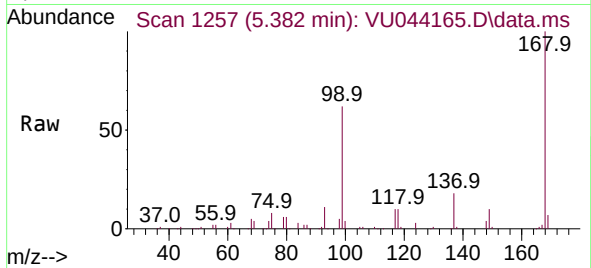




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044165.D
Acq: 10 Jun 2021 18:54

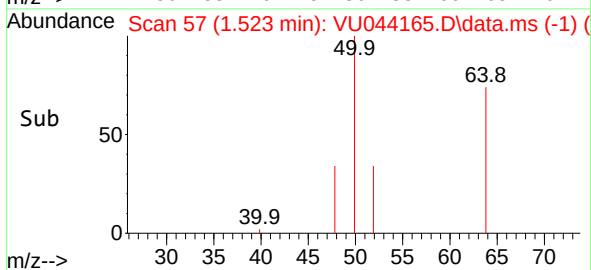
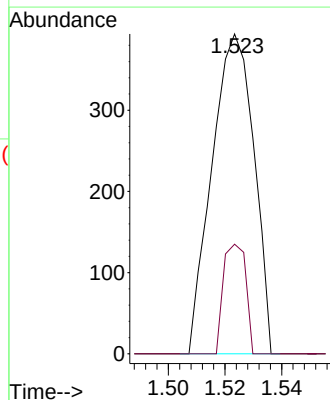
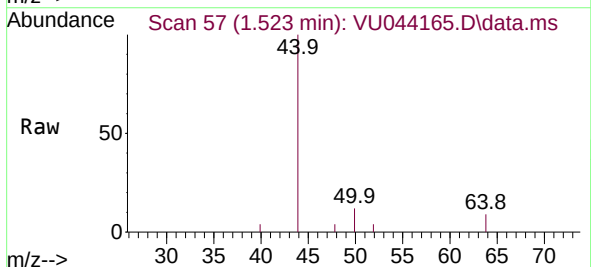
Instrument :
MSVOA_U
ClientSampled :

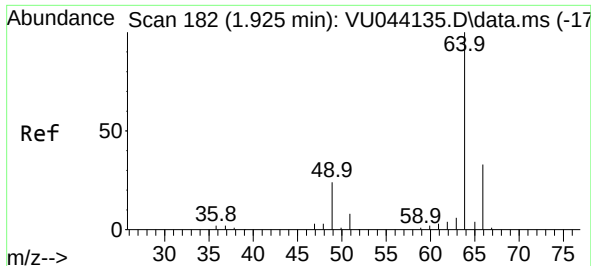
Tgt Ion:168 Resp: 143306
Ion Ratio Lower Upper
168 100
99 62.5 51.3 76.9



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU044165.D
Acq: 10 Jun 2021 18:54

Tgt Ion: 50 Resp: 405
Ion Ratio Lower Upper
50 100
52 34.3 26.6 39.8

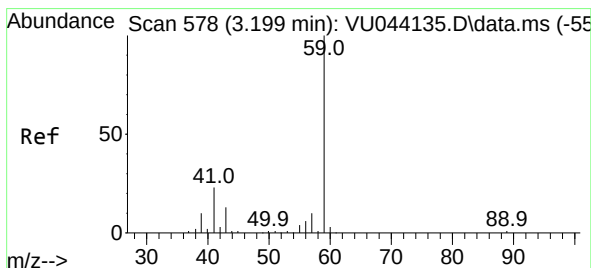
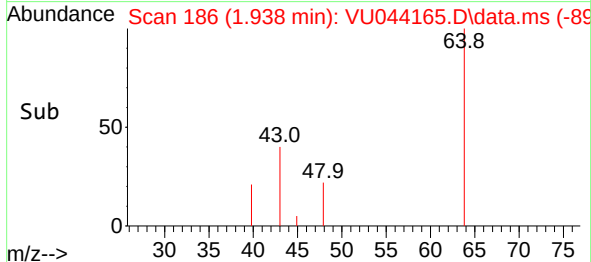
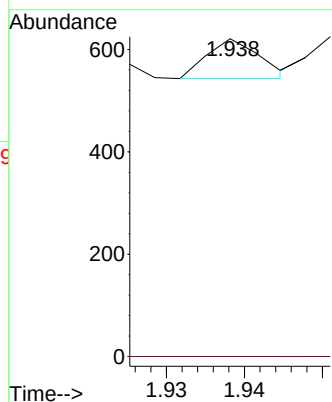
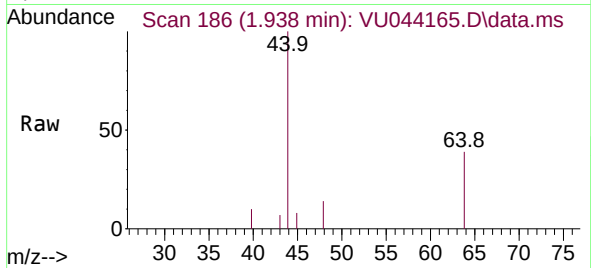




#6
Chloroethane
Concen: Below Cal
RT: 1.938 min Scan# 186
Delta R.T. 0.013 min
Lab File: VU044165.D
Acq: 10 Jun 2021 18:54

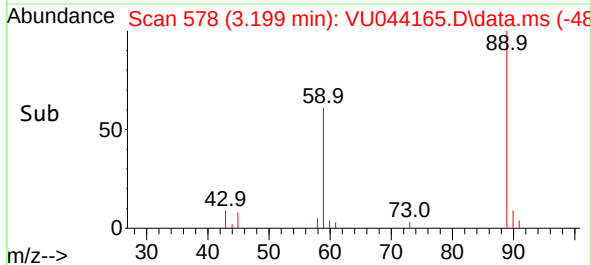
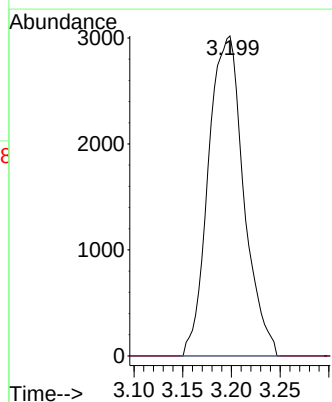
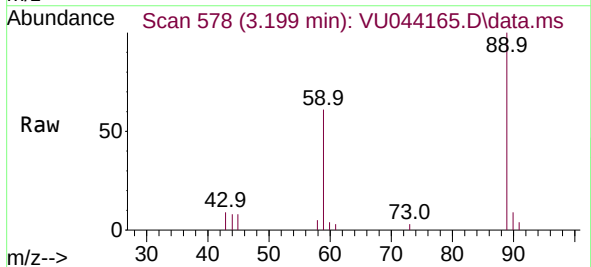
Instrument :
MSVOA_U
ClientSampled :

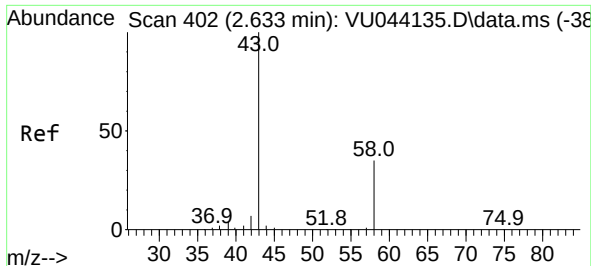
Tgt Ion: 64 Resp: 36
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#



#11
Tert butyl alcohol
Concen: 12.418 ug/l
RT: 3.199 min Scan# 578
Delta R.T. -0.000 min
Lab File: VU044165.D
Acq: 10 Jun 2021 18:54

Tgt Ion: 59 Resp: 7613
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

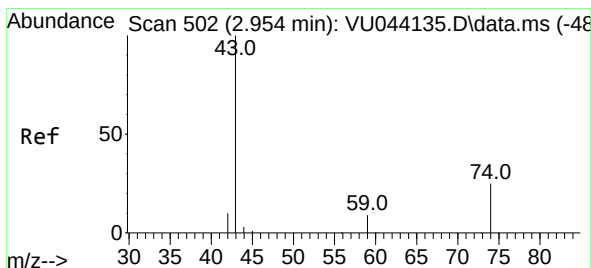
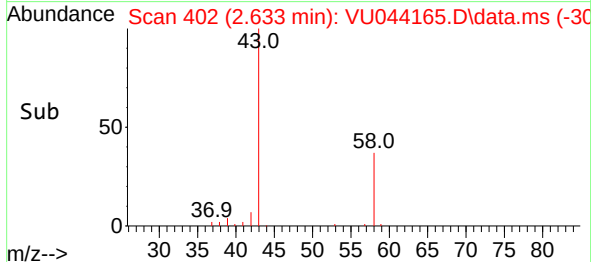
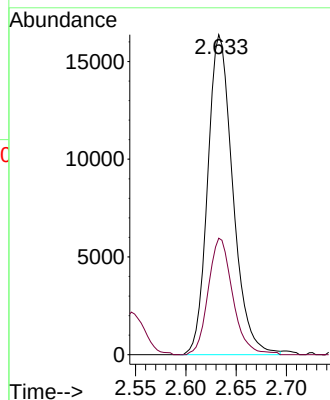
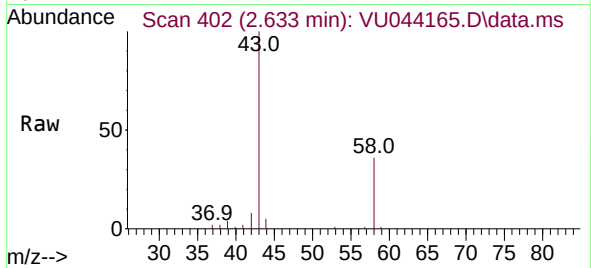




#16
Acetone
Concen: 22.247 ug/l
RT: 2.633 min Scan# 402
Delta R.T. -0.000 min
Lab File: VU044165.D
Acq: 10 Jun 2021 18:54

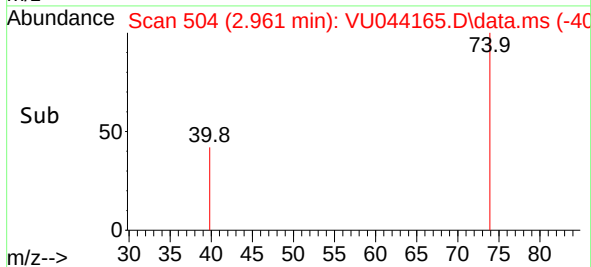
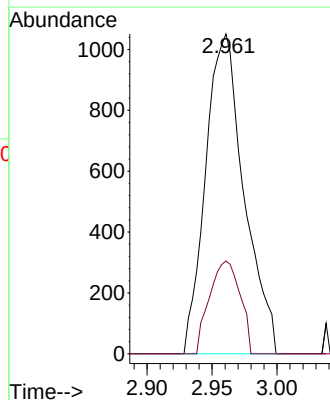
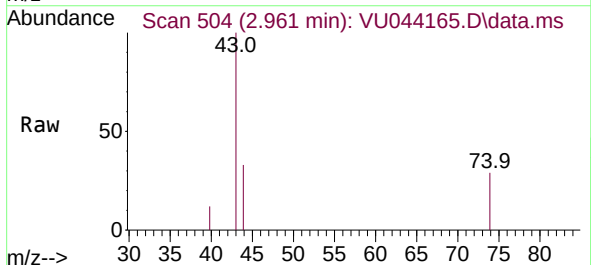
Instrument :
MSVOA_U
ClientSampled :

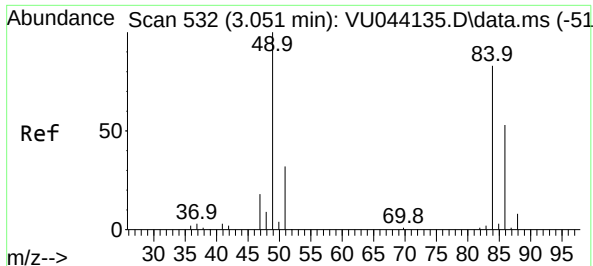
Tgt Ion: 43 Resp: 28473
Ion Ratio Lower Upper
43 100
58 36.4 28.0 42.0



#18
Methyl Acetate
Concen: 0.738 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.007 min
Lab File: VU044165.D
Acq: 10 Jun 2021 18:54

Tgt Ion: 43 Resp: 2163
Ion Ratio Lower Upper
43 100
74 23.1 20.3 30.5





#20

Methylene Chloride

Concen: 4.953 ug/l

RT: 3.054 min Scan# 533

Delta R.T. 0.003 min

Lab File: VU044165.D

Acq: 10 Jun 2021 18:54

Tgt Ion: 84 Resp: 12390

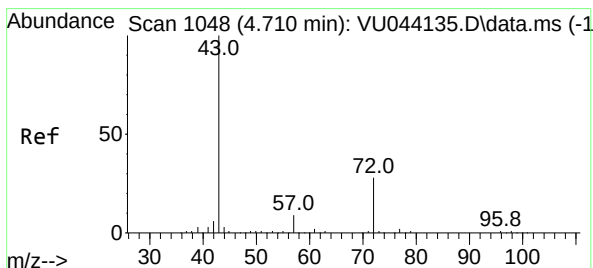
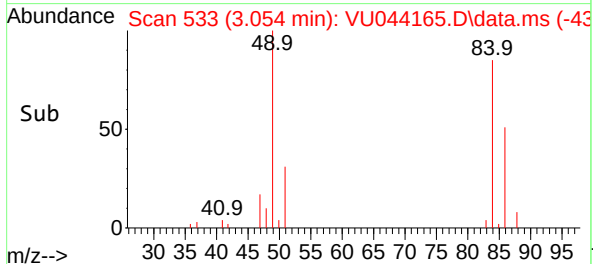
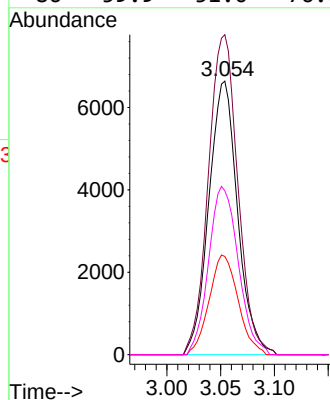
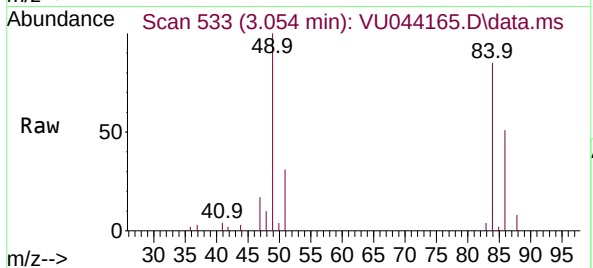
Ion Ratio Lower Upper

84 100

49 117.0 96.9 145.3

51 35.9 31.0 46.6

86 59.9 51.0 76.6



#25

2-Butanone

Concen: 2.756 ug/l

RT: 4.716 min Scan# 1050

Delta R.T. 0.006 min

Lab File: VU044165.D

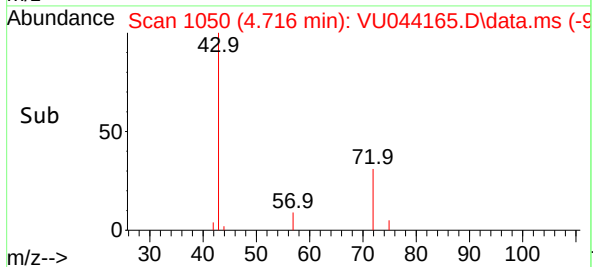
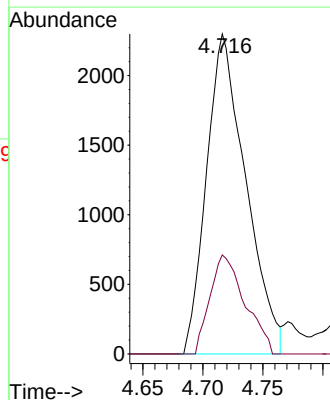
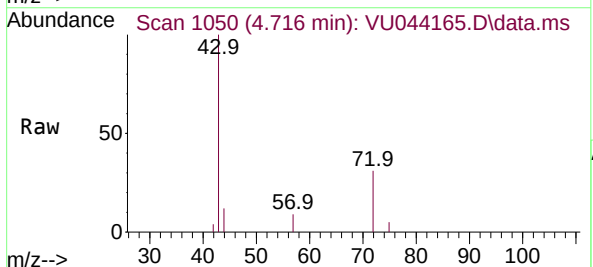
Acq: 10 Jun 2021 18:54

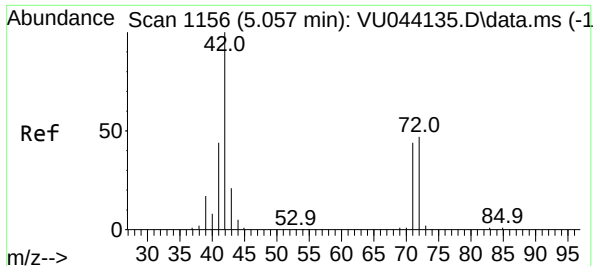
Tgt Ion: 43 Resp: 5242

Ion Ratio Lower Upper

43 100

72 30.9 22.6 33.8





#29

Tetrahydrofuran

Concen: 1.044 ug/l

RT: 5.070 min Scan# 1160

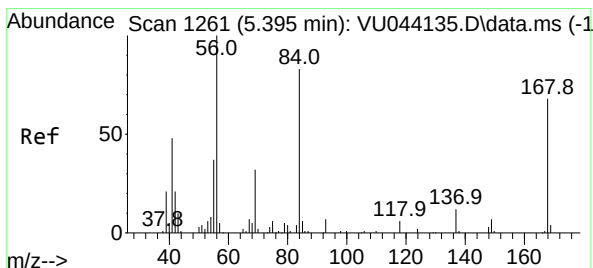
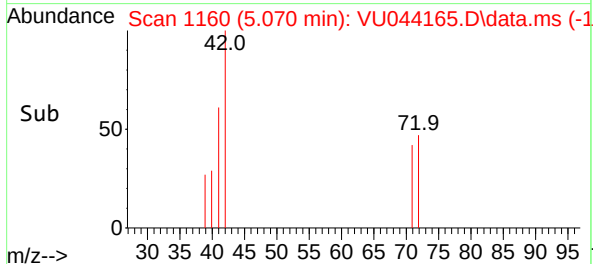
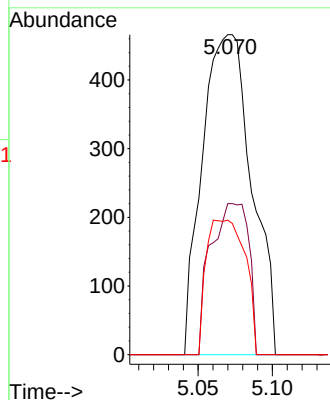
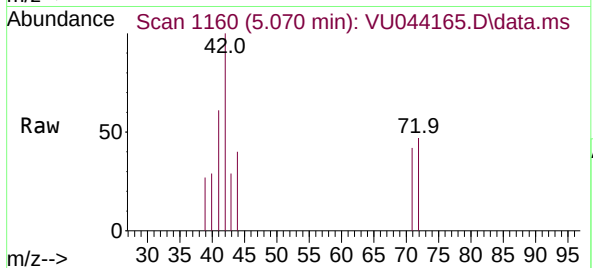
Delta R.T. 0.013 min

Lab File: VU044165.D

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Tgt Ion:	42	Resp:	1080
Ion	Ratio	Lower	Upper
42	100		
72	36.0	38.6	57.8#
71	32.7	35.5	53.3#

Instrument :
MSVOA_U
ClientSampled :



#31

Cyclohexane

Concen: 0.901 ug/l

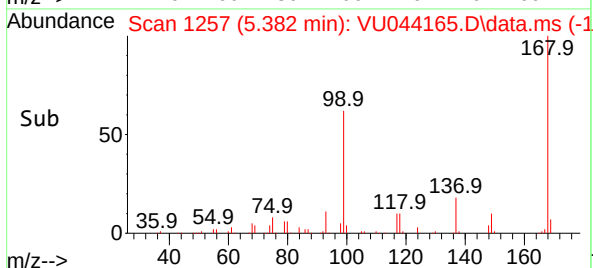
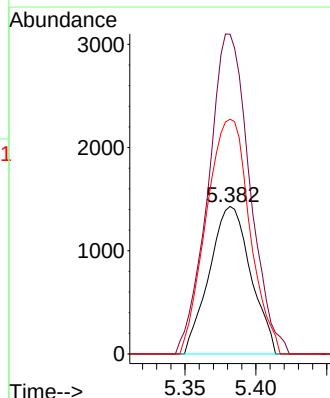
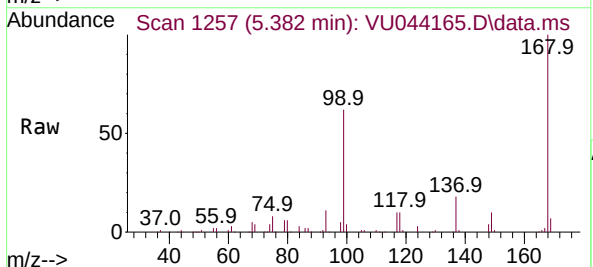
RT: 5.382 min Scan# 1257

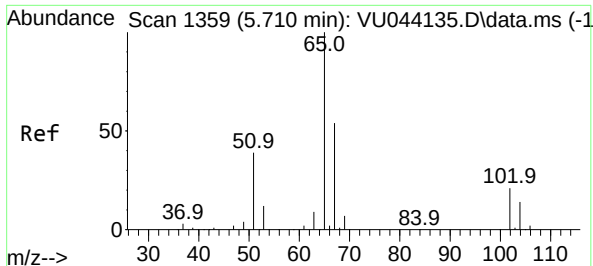
Delta R.T. -0.013 min

Lab File: VU044165.D

Acq: 10 Jun 2021 18:54

Tgt Ion:	56	Resp:	2897
Ion	Ratio	Lower	Upper
56	100		
69	208.3	25.5	38.3#
84	159.2	66.3	99.5#





#33

1,2-Dichloroethane-d4

Concen: 54.132 ug/l

RT: 5.710 min Scan# 1359

Delta R.T. -0.000 min

Lab File: VU044165.D

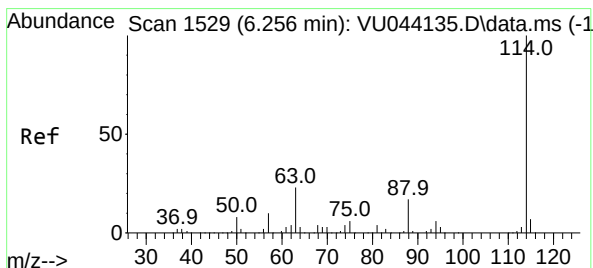
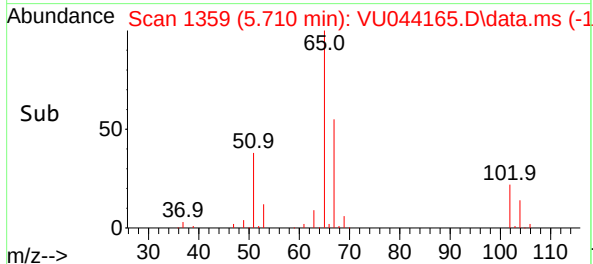
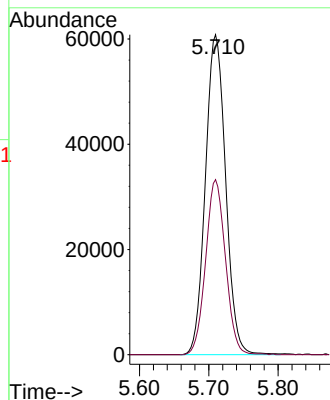
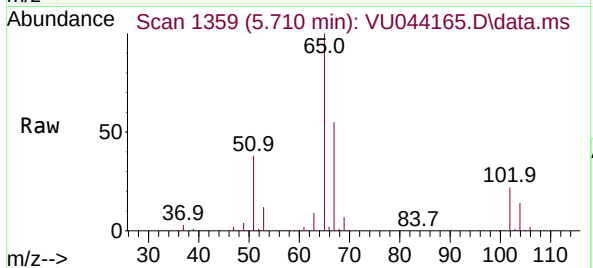
Acq: 10 Jun 2021 18:54

Tgt Ion: 65 Resp: 123363

Ion Ratio Lower Upper

65 100

67 53.5 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: VU044165.D

Acq: 10 Jun 2021 18:54

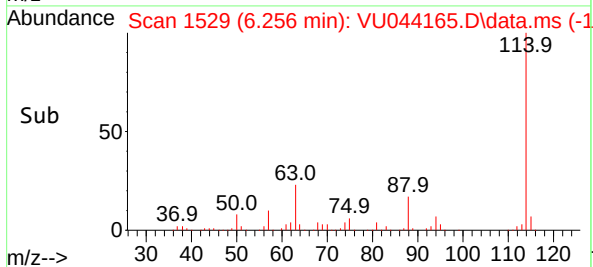
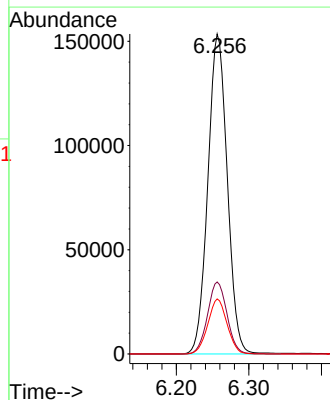
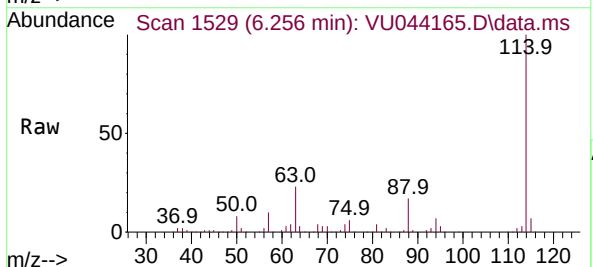
Tgt Ion: 114 Resp: 285362

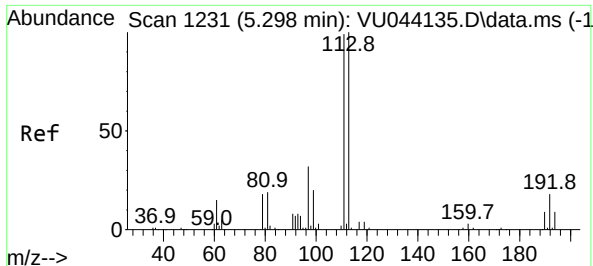
Ion Ratio Lower Upper

114 100

63 22.5 0.0 45.8

88 17.2 0.0 34.0





#35

Dibromofluoromethane

Concen: 49.657 ug/l

RT: 5.298 min Scan# 1231

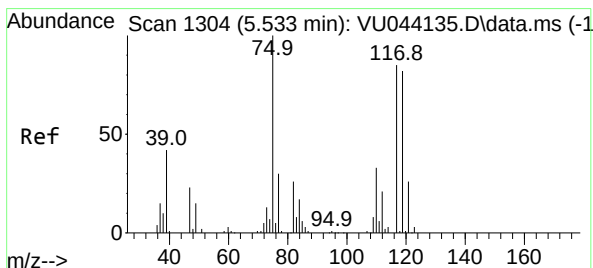
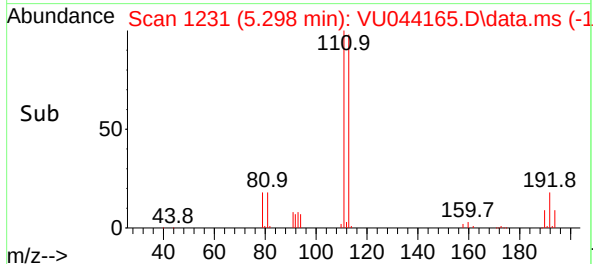
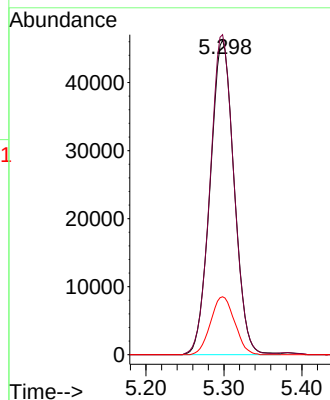
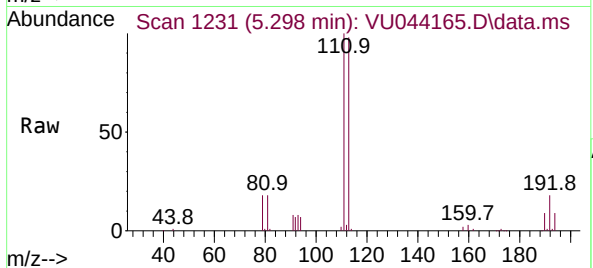
Delta R.T. 0.000 min

Lab File: VU044165.D

Acq: 10 Jun 2021 18:54

Tgt Ion:	113	Resp:	98572
Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.0	121.4
192	18.5	14.3	21.5

Instrument :
MSVOA_U
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 3.754 ug/l

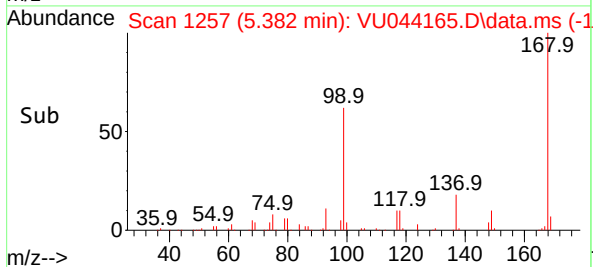
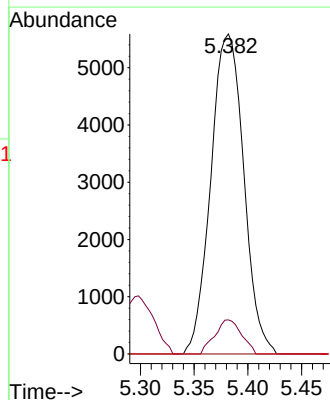
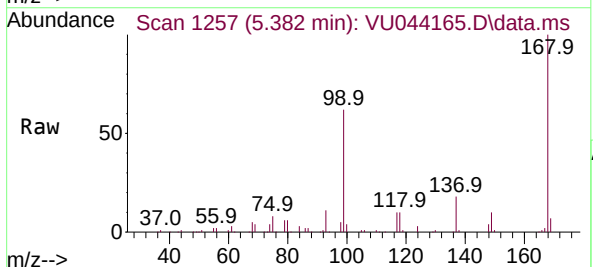
RT: 5.382 min Scan# 1257

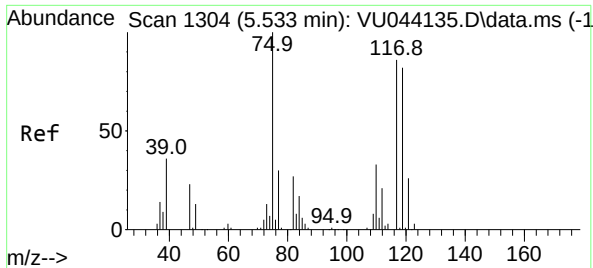
Delta R.T. -0.151 min

Lab File: VU044165.D

Acq: 10 Jun 2021 18:54

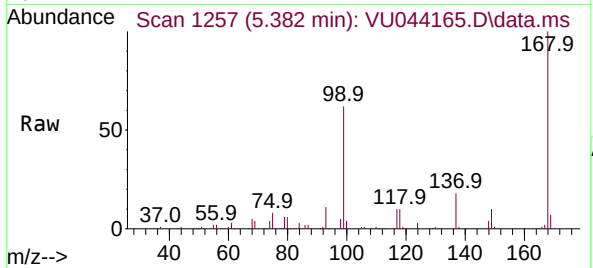
Tgt Ion:	75	Resp:	11917
Ion	Ratio	Lower	Upper
75	100		
110	8.6	16.4	49.4#
77	0.0	24.7	37.1#



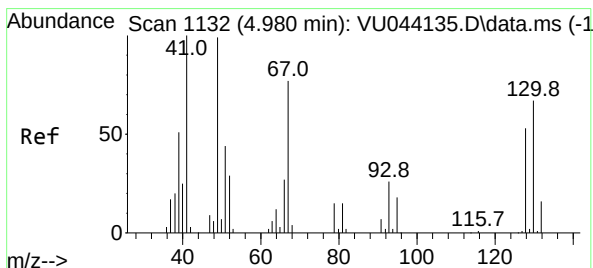
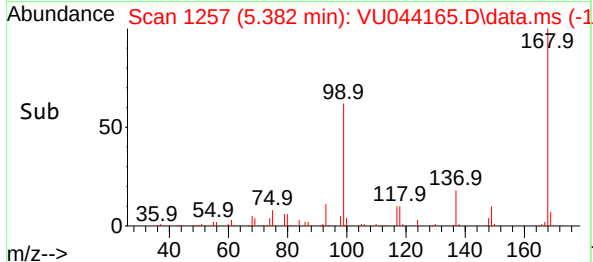
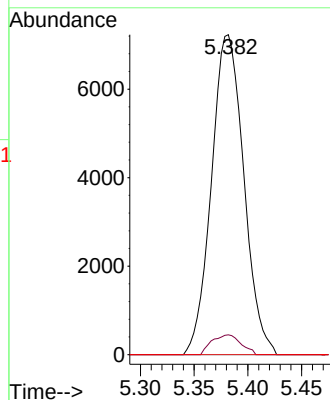


#38
Carbon Tetrachloride
Concen: 5.285 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044165.D
Acq: 10 Jun 2021 18:54

Instrument :
MSVOA_U
ClientSampled :

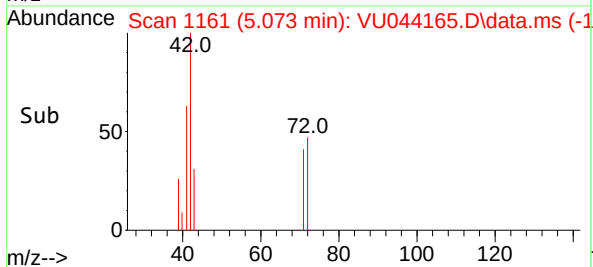
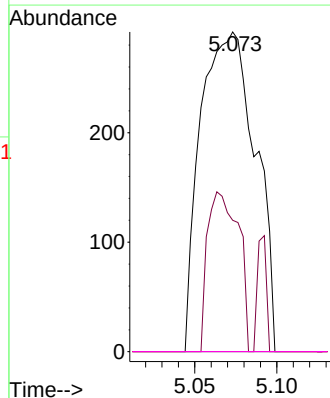
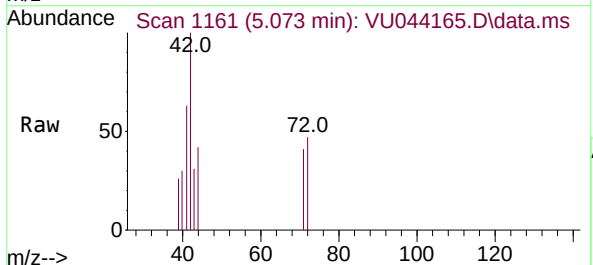


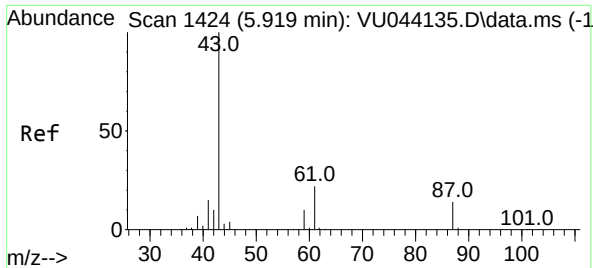
Tgt Ion:117 Resp: 15148
Ion Ratio Lower Upper
117 100
119 6.2 76.6 114.8#
121 0.0 24.6 36.8#



#41
Methacrylonitrile
Concen: 0.348 ug/l
RT: 5.073 min Scan# 1161
Delta R.T. 0.093 min
Lab File: VU044165.D
Acq: 10 Jun 2021 18:54

Tgt Ion: 41 Resp: 677
Ion Ratio Lower Upper
41 100
39 28.4 41.4 62.0#
67 0.0 62.6 93.8#
52 0.0 24.1 36.1#

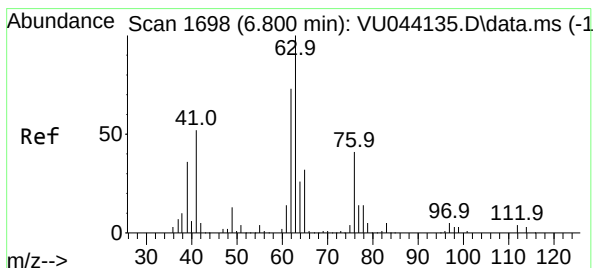
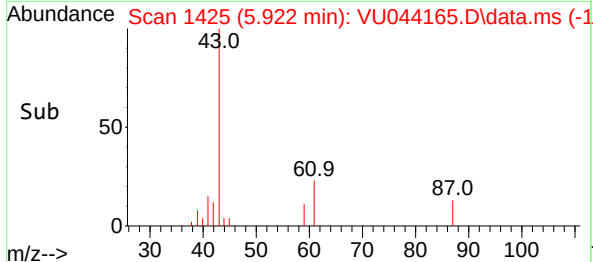
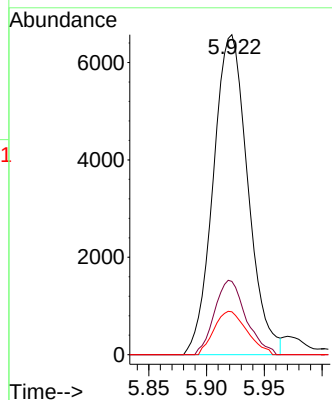
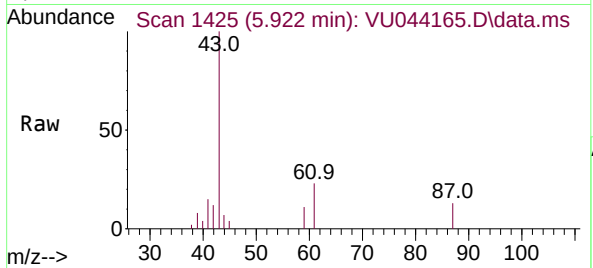




#43
Isopropyl Acetate
Concen: 2.535 ug/l
RT: 5.922 min Scan# 1425
Delta R.T. 0.003 min
Lab File: VU044165.D
Acq: 10 Jun 2021 18:54

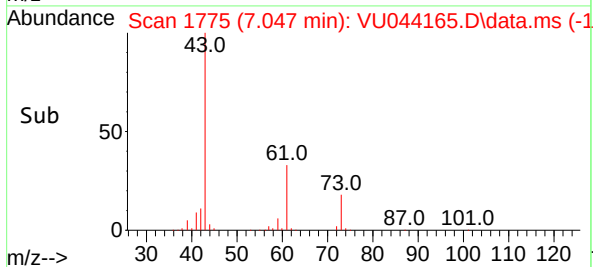
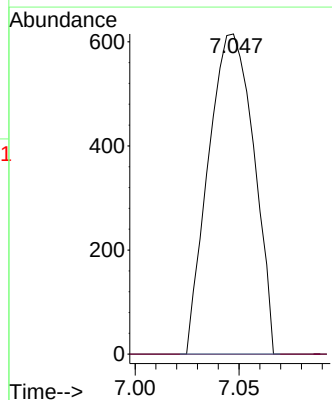
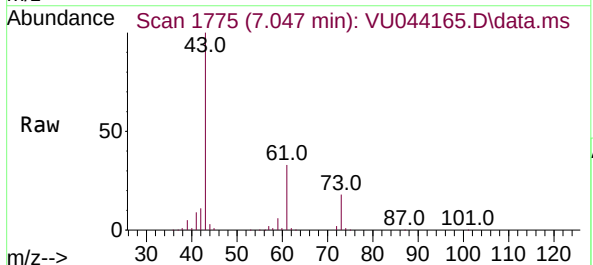
Instrument :
MSVOA_U
ClientSampleId :

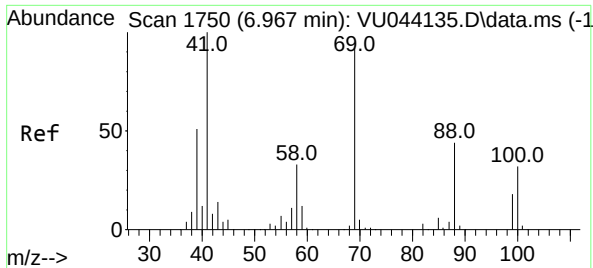
Tgt Ion: 43	Resp: 13676
Ion Ratio	Lower Upper
43 100	
61 21.1	17.8 26.8
87 12.9	11.1 16.7



#45
1,2-Dichloropropane
Concen: 0.366 ug/l
RT: 7.047 min Scan# 1775
Delta R.T. 0.247 min
Lab File: VU044165.D
Acq: 10 Jun 2021 18:54

Tgt Ion: 63	Resp: 935
Ion Ratio	Lower Upper
63 100	
65 0.0	25.7 38.5#

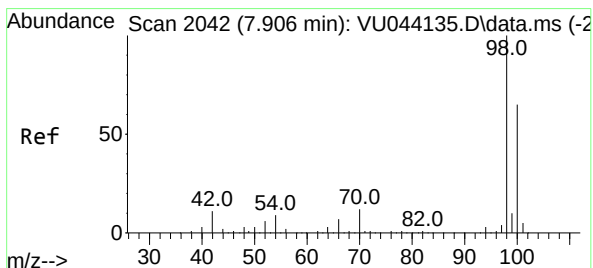
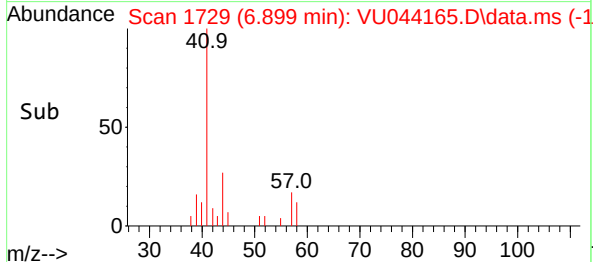
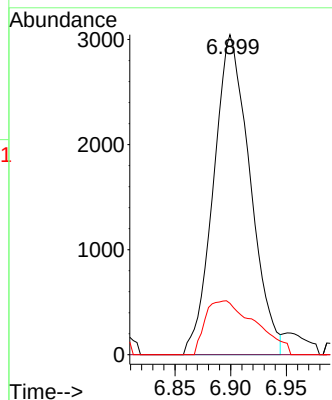
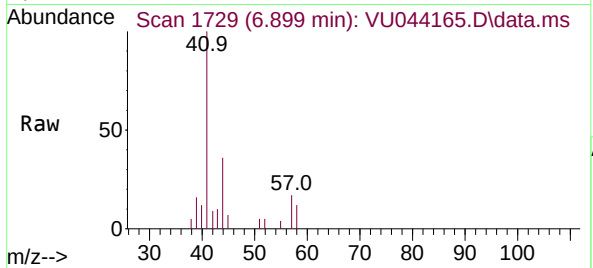




#48
Methyl methacrylate
Concen: 2.643 ug/l
RT: 6.899 min Scan# 1729
Delta R.T. -0.068 min
Lab File: VU044165.D
Acq: 10 Jun 2021 18:54

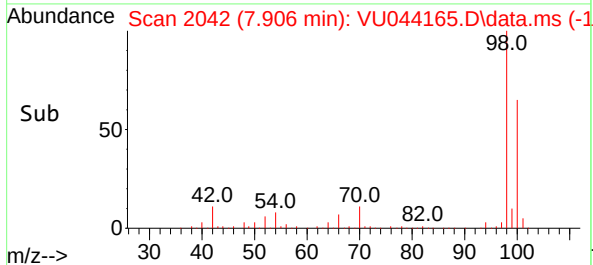
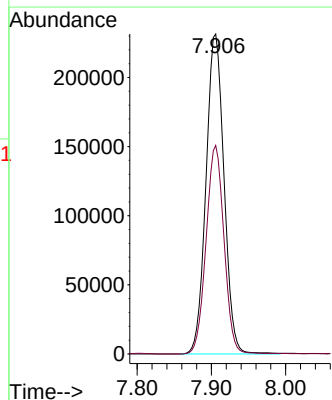
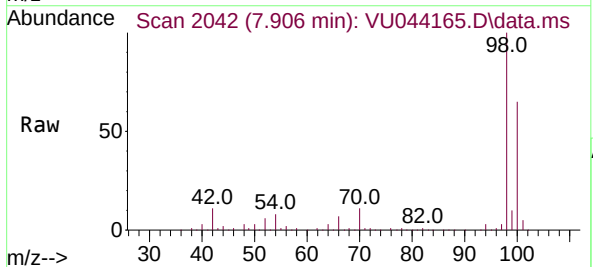
Instrument :
MSVOA_U
ClientSampled :

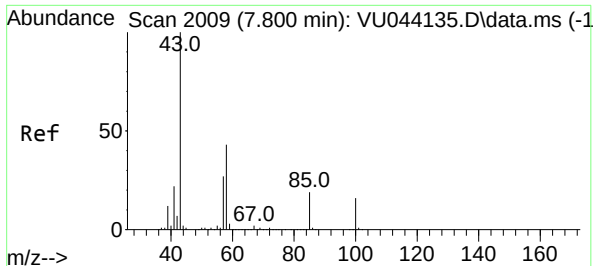
Tgt Ion: 41 Resp: 6938
Ion Ratio Lower Upper
41 100
69 0.0 74.0 111.0#
39 23.3 41.5 62.3#



#50
Toluene-d8
Concen: 51.150 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU044165.D
Acq: 10 Jun 2021 18:54

Tgt Ion: 98 Resp: 389943
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.4

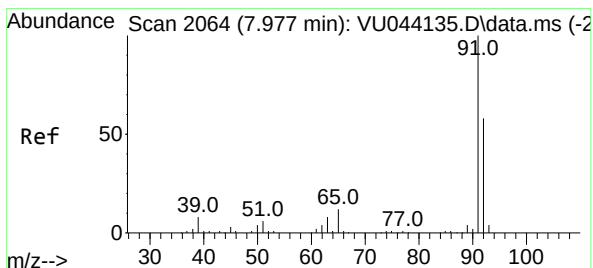
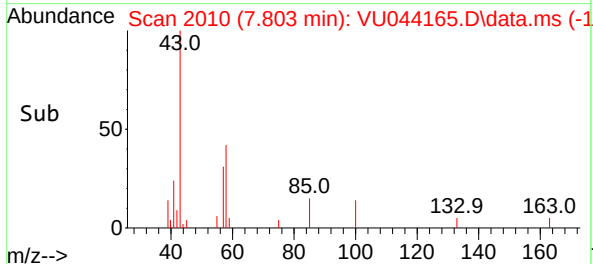
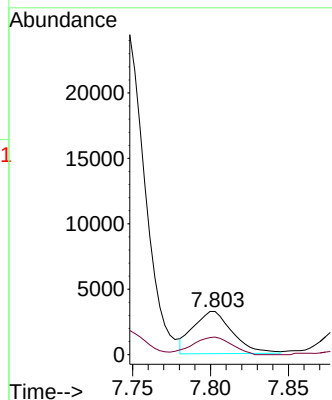
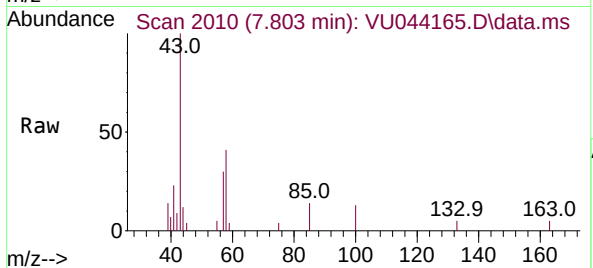




#51
4-Methyl-2-Pentanone
Concen: 1.448 ug/l
RT: 7.803 min Scan# 2010
Delta R.T. 0.003 min
Lab File: VU044165.D
Acq: 10 Jun 2021 18:54

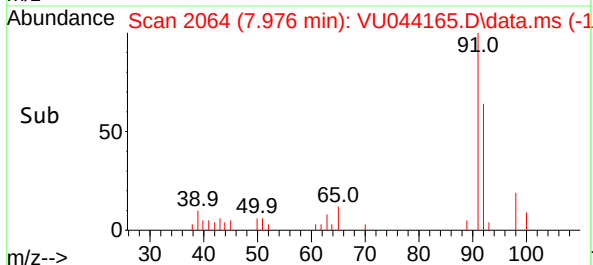
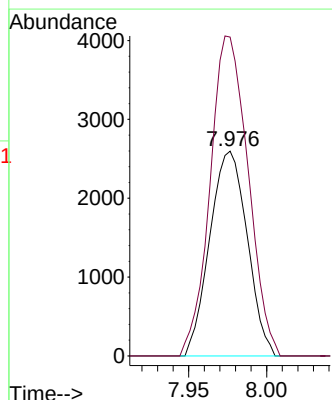
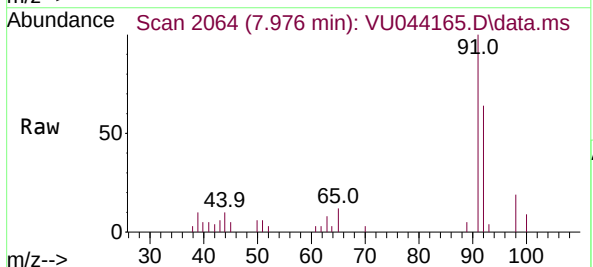
Instrument :
MSVOA_U
ClientSampled :

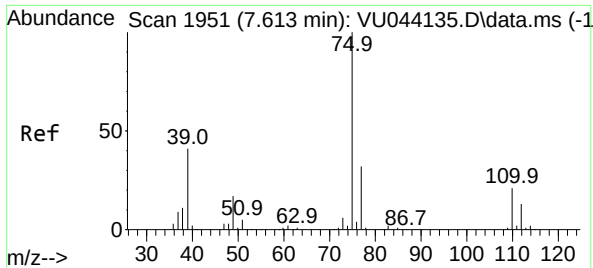
Tgt Ion: 43 Resp: 5655
Ion Ratio Lower Upper
43 100
58 41.6 34.5 51.7



#52
Toluene
Concen: 0.778 ug/l
RT: 7.976 min Scan# 2064
Delta R.T. -0.001 min
Lab File: VU044165.D
Acq: 10 Jun 2021 18:54

Tgt Ion: 92 Resp: 4336
Ion Ratio Lower Upper
92 100
91 158.7 136.2 204.4

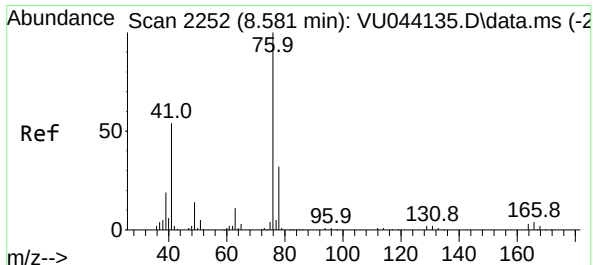
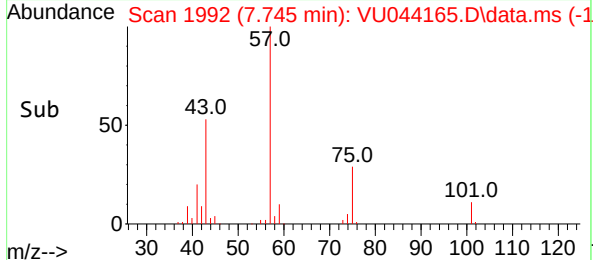
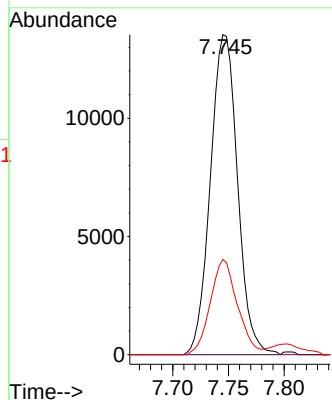
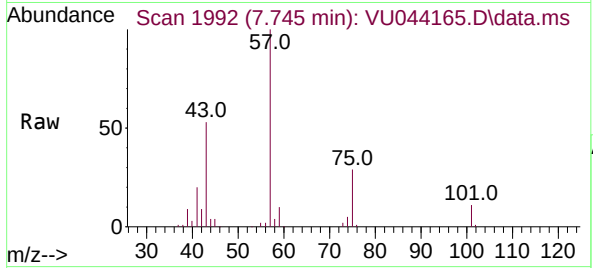




#54
 cis-1,3-Dichloropropene
 Concen: 5.997 ug/l
 RT: 7.745 min Scan# 1992
 Delta R.T. 0.132 min
 Lab File: VU044165.D
 Acq: 10 Jun 2021 18:54

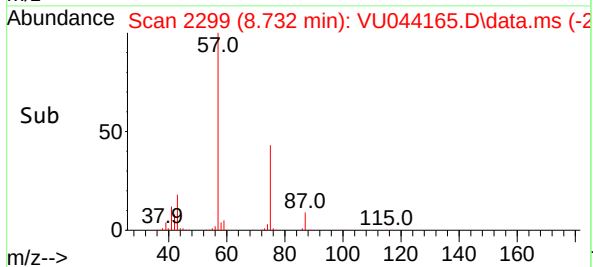
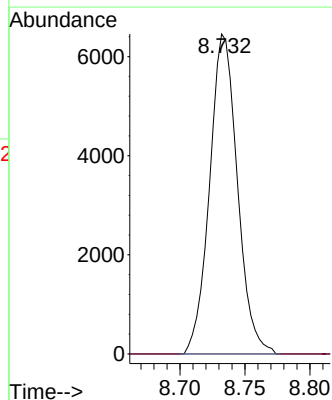
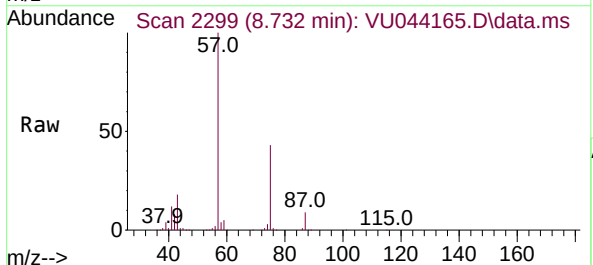
Instrument :
 MSVOA_U
 ClientSampled :

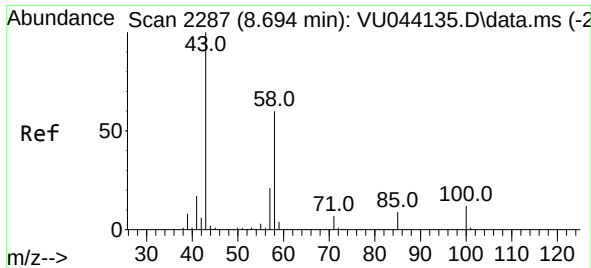
Tgt Ion: 75 Resp: 22947
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.9 38.9#
 39 29.8 33.2 49.8#



#57
 1,3-Dichloropropane
 Concen: 2.313 ug/l
 RT: 8.732 min Scan# 2299
 Delta R.T. 0.151 min
 Lab File: VU044165.D
 Acq: 10 Jun 2021 18:54

Tgt Ion: 76 Resp: 9610
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#

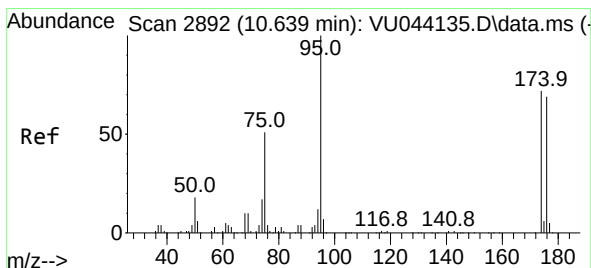
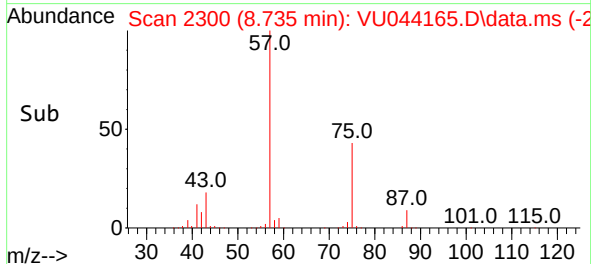
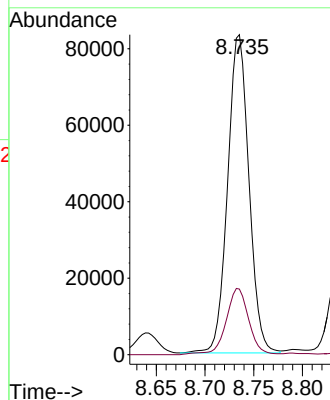
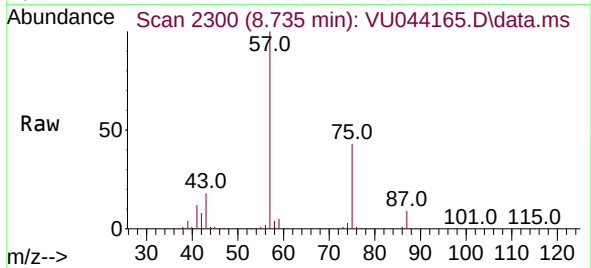




#59
2-Hexanone
Concen: 40.711 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.041 min
Lab File: VU044165.D
Acq: 10 Jun 2021 18:54

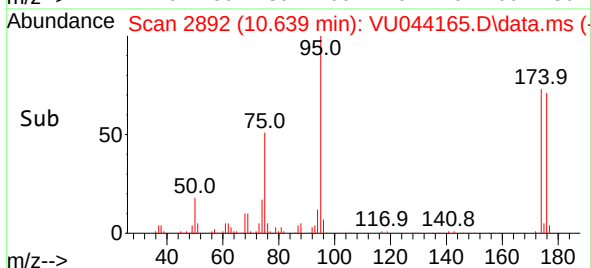
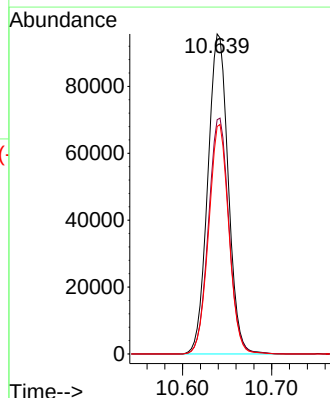
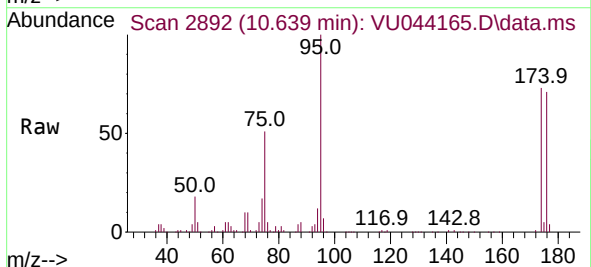
Instrument :
MSVOA_U
ClientSampled :

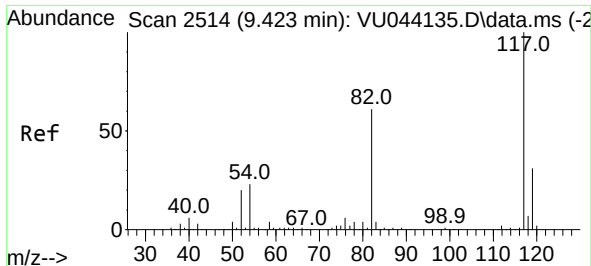
Tgt Ion: 43 Resp: 126845
Ion Ratio Lower Upper
43 100
58 22.1 30.0 90.1#



#62
4-Bromofluorobenzene
Concen: 49.797 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044165.D
Acq: 10 Jun 2021 18:54

Tgt Ion: 95 Resp: 152138
Ion Ratio Lower Upper
95 100
174 74.1 0.0 144.4
176 70.7 0.0 138.0

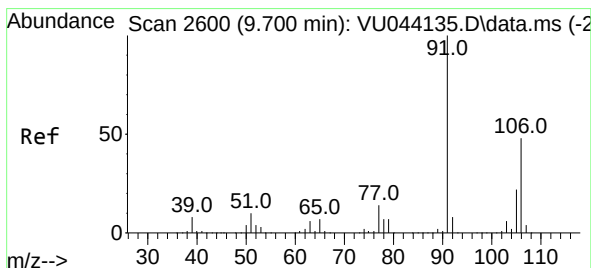
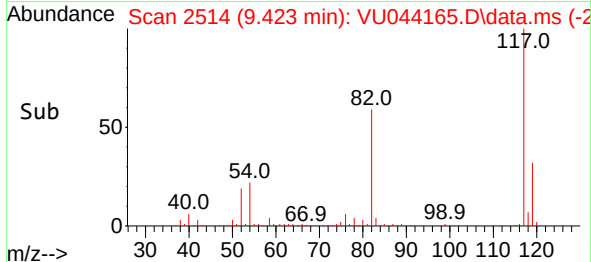
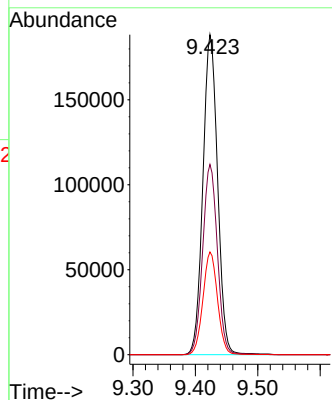
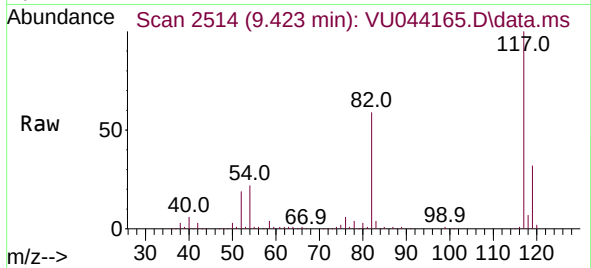




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. -0.000 min
Lab File: VU044165.D
Acq: 10 Jun 2021 18:54

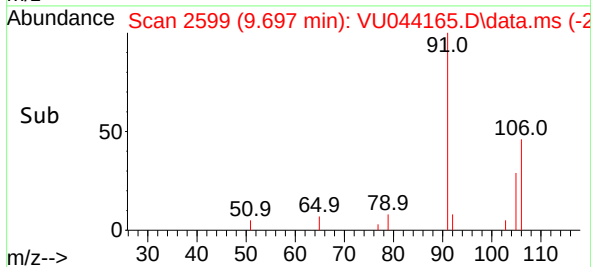
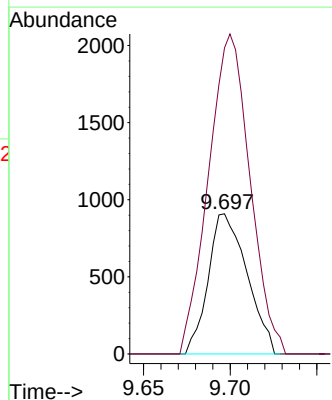
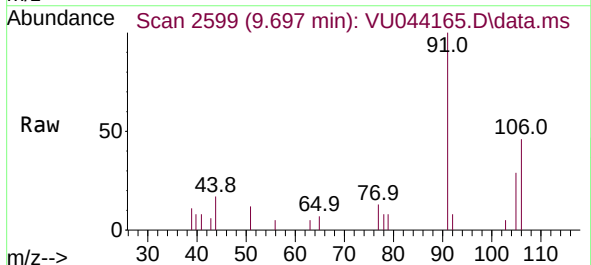
Instrument :
MSVOA_U
ClientSampled :

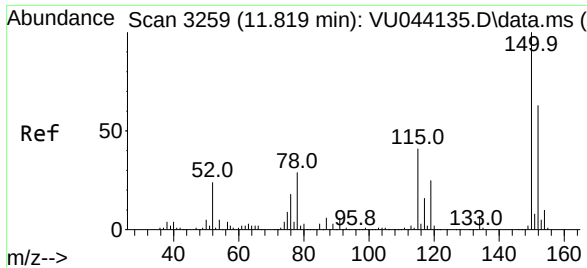
Tgt Ion:117 Resp: 308908
Ion Ratio Lower Upper
117 100
82 59.5 48.8 73.2
119 32.1 25.0 37.6



#68
m/p-Xylenes
Concen: 0.319 ug/l
RT: 9.697 min Scan# 2599
Delta R.T. -0.003 min
Lab File: VU044165.D
Acq: 10 Jun 2021 18:54

Tgt Ion:106 Resp: 1415
Ion Ratio Lower Upper
106 100
91 244.3 167.4 251.2

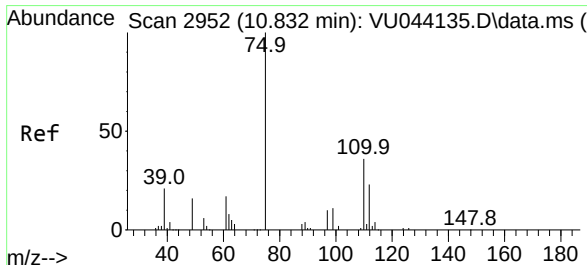
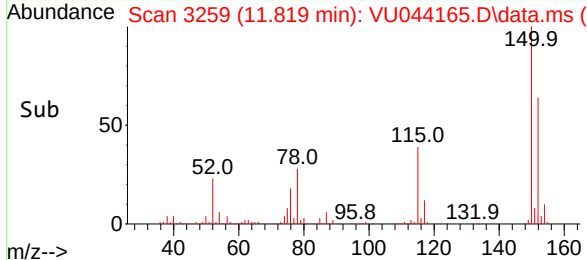
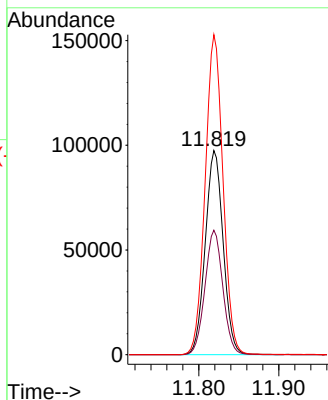
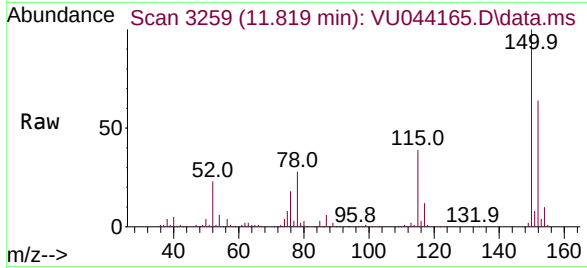




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU044165.D
 Acq: 10 Jun 2021 18:54

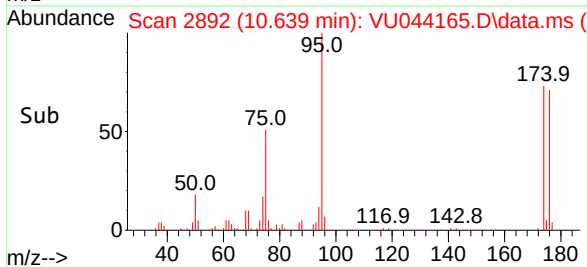
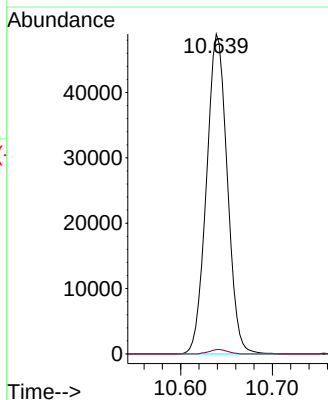
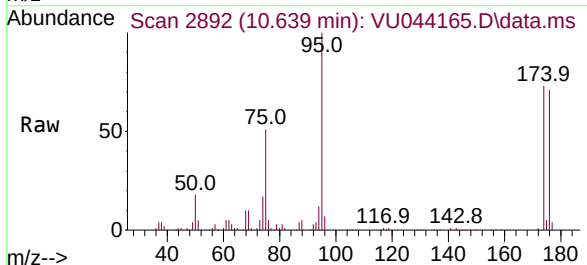
Instrument :
 MSVOA_U
 ClientSampled :

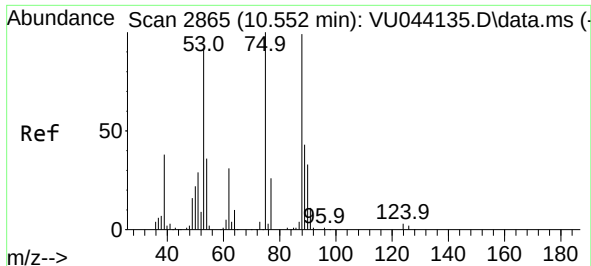
Tgt Ion:152 Resp: 152092
 Ion Ratio Lower Upper
 152 100
 115 60.8 43.8 131.3
 150 156.0 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 15.123 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.193 min
 Lab File: VU044165.D
 Acq: 10 Jun 2021 18:54

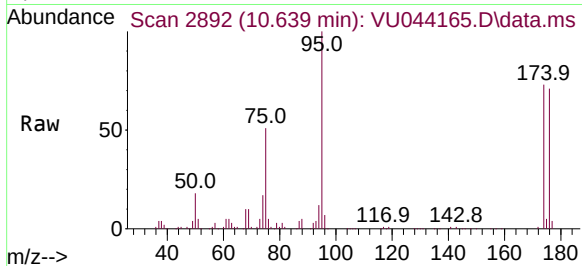
Tgt Ion: 75 Resp: 77118
 Ion Ratio Lower Upper
 75 100
 77 1.2 14.9 44.5#



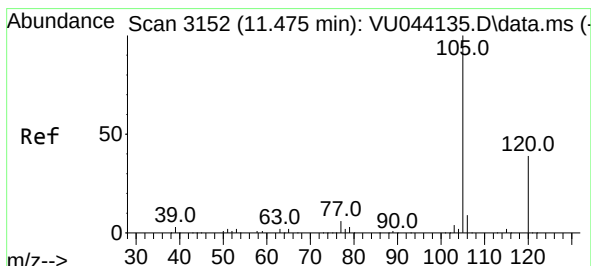
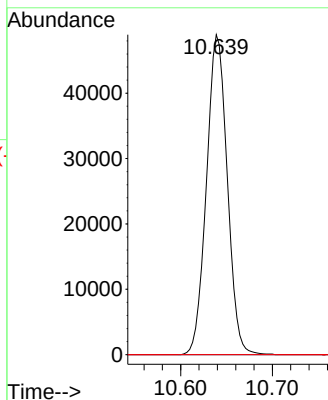
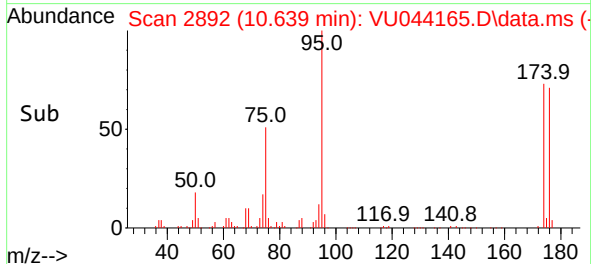


#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.821 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. 0.087 min
 Lab File: VU044165.D
 Acq: 10 Jun 2021 18:54

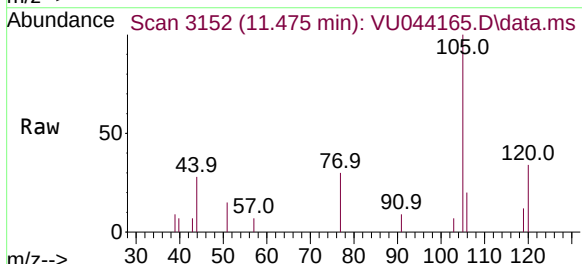
Instrument :
 MSVOA_U
 ClientSampleId :



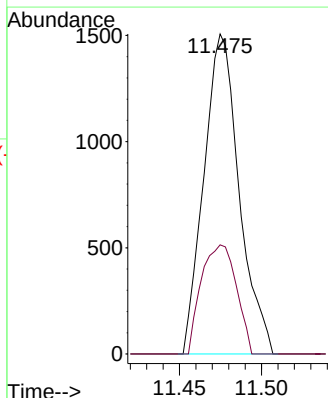
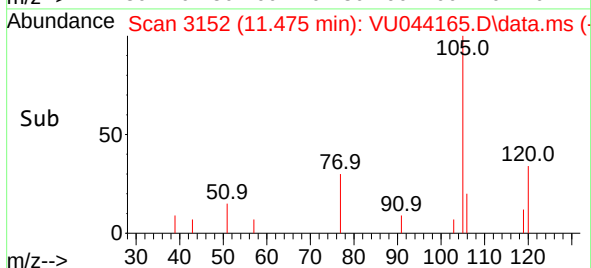
Tgt Ion: 75 Resp: 77118
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.2#
 89 0.0 35.0 52.6#

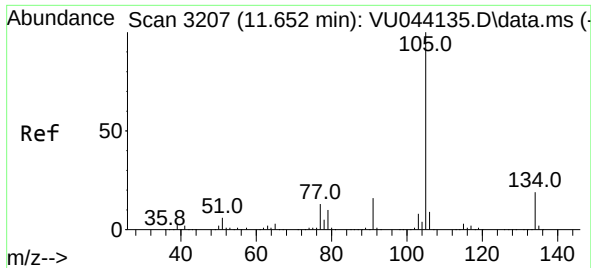


#84
 1,2,4-Trimethylbenzene
 Concen: 0.247 ug/l
 RT: 11.475 min Scan# 3152
 Delta R.T. -0.000 min
 Lab File: VU044165.D
 Acq: 10 Jun 2021 18:54



Tgt Ion: 105 Resp: 2247
 Ion Ratio Lower Upper
 105 100
 120 34.0 21.9 65.8

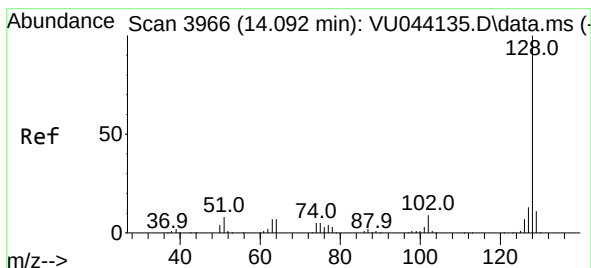
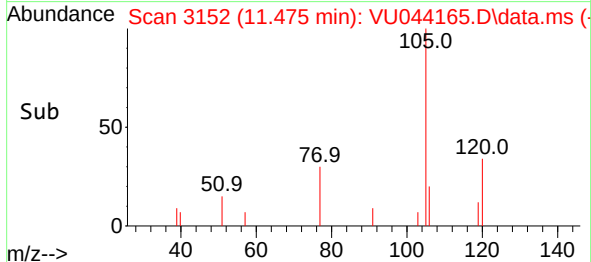
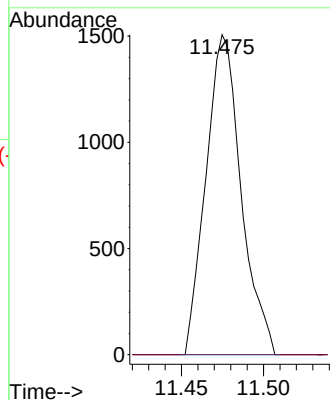
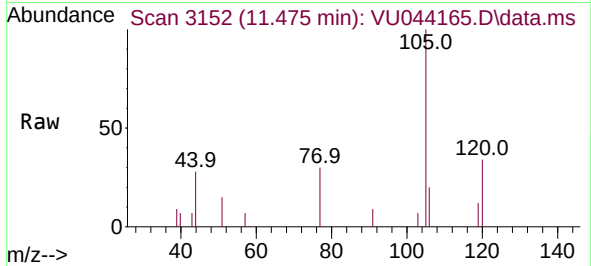




#85
 sec-Butylbenzene
 Concen: 0.201 ug/l
 RT: 11.475 min Scan# 3152
 Delta R.T. -0.177 min
 Lab File: VU044165.D
 Acq: 10 Jun 2021 18:54

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion:105 Resp: 2247
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.4 28.2#



#95
 Naphthalene
 Concen: 2.961 ug/l
 RT: 14.095 min Scan# 3967
 Delta R.T. 0.003 min
 Lab File: VU044165.D
 Acq: 10 Jun 2021 18:54

Tgt Ion:128 Resp: 1415
 Ion Ratio Lower Upper
 128 100
 127 4.2 10.2 15.2#
 129 0.0 8.6 13.0#

