

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032521\
 Data File : VU042779.D
 Acq On : 25 Mar 2021 12:54
 Operator : SY/MD
 Sample : PB1355335ZHE#01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB1355335ZHE#01

Quant Time: Mar 26 02:05:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U032421W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 25 05:42:00 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

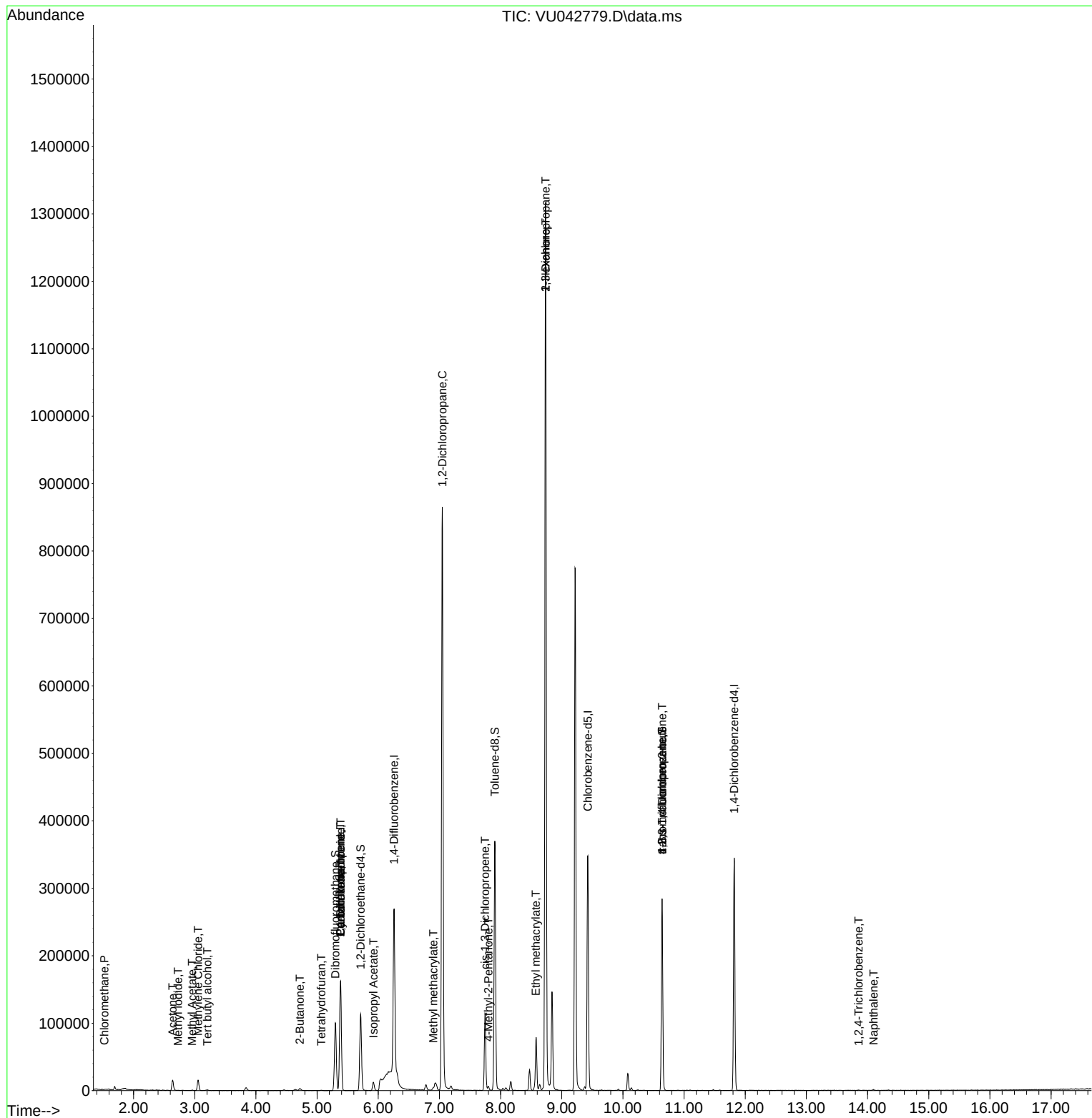
Internal Standards						
1) Pentafluorobenzene	5.385	168	112200	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.259	114	180360	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.426	117	178374	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	84808	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.713	65	87941	49.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.34%	
35) Dibromofluoromethane	5.298	113	61731	45.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.72%	
50) Toluene-d8	7.906	98	228028	48.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.30%	
62) 4-Bromofluorobenzene	10.642	95	83414	45.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.66%	
Target Compounds					Qvalue	
3) Chloromethane	1.523	50	327	0.23	ug/l #	43
5) Bromomethane	1.867	94	313	Below Cal		88
6) Chloroethane	1.980	64	20	Below Cal	#	43
10) Methyl Iodide	2.726	142	345	0.24	ug/l #	50
11) Tert butyl alcohol	3.205	59	1135	2.97	ug/l #	74
16) Acetone	2.639	43	19882	8.94	ug/l	99
18) Methyl Acetate	2.957	43	1099	0.54	ug/l #	72
20) Methylene Chloride	3.054	84	6603	5.13	ug/l	97
25) 2-Butanone	4.716	43	5078	3.49	ug/l	100
29) Tetrahydrofuran	5.070	42	308	0.34	ug/l #	38
31) Cyclohexane	5.385	56	2801	1.26	ug/l #	44
36) 1,1-Dichloropropene	5.382	75	9136	5.12	ug/l #	51
38) Carbon Tetrachloride	5.385	117	11273	5.54	ug/l #	17
43) Isopropyl Acetate	5.922	43	13407	3.22	ug/l	97
45) 1,2-Dichloropropane	7.050	63	960	0.68	ug/l #	45
48) Methyl methacrylate	6.899	41	5079	2.52	ug/l #	17
51) 4-Methyl-2-Pentanone	7.799	43	4131	1.42	ug/l	97
54) cis-1,3-Dichloropropene	7.748	75	17036	7.49	ug/l #	66
56) Ethyl methacrylate	8.578	69	515	0.24	ug/l #	1
57) 1,3-Dichloropropane	8.735	76	11437	4.75	ug/l #	42
59) 2-Hexanone	8.735	43	204196	88.02	ug/l #	55
76) 1,2,3-Trichloropropane	10.642	75	47567	22.05	ug/l #	37
81) trans-1,4-Dichloro-2-b...	10.642	75	47567	65.34	ug/l #	6
93) 1,2,4-Trichlorobenzene	13.851	180	371	0.22	ug/l #	84
95) Naphthalene	14.098	128	1472	2.82	ug/l #	80

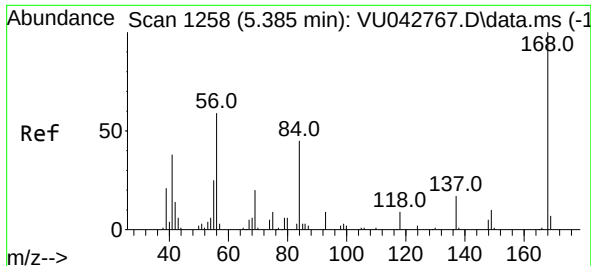
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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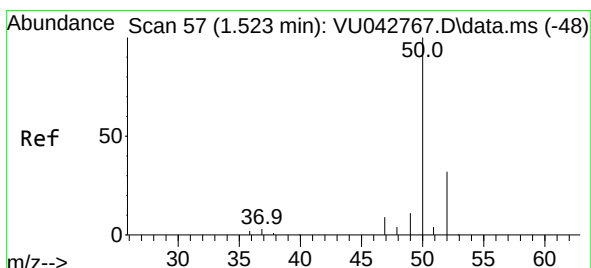
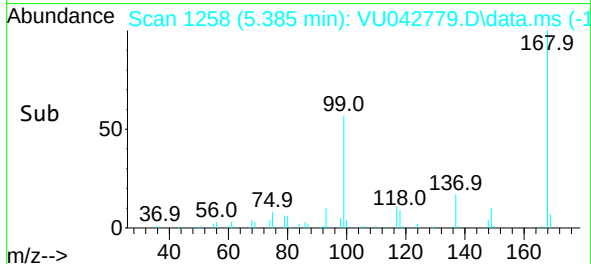
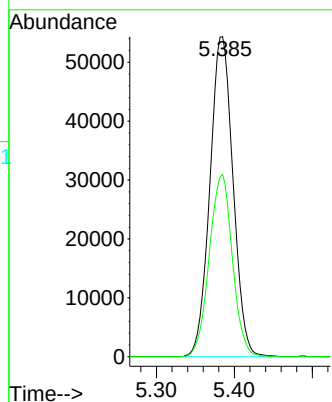
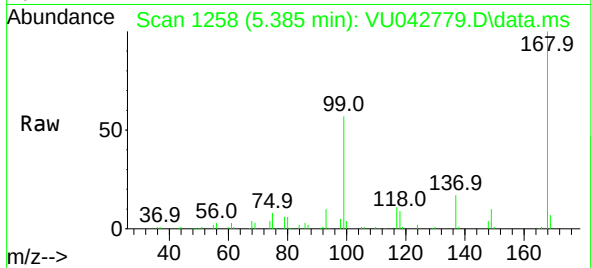




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VU042779.D
Acq: 25 Mar 2021 12:54

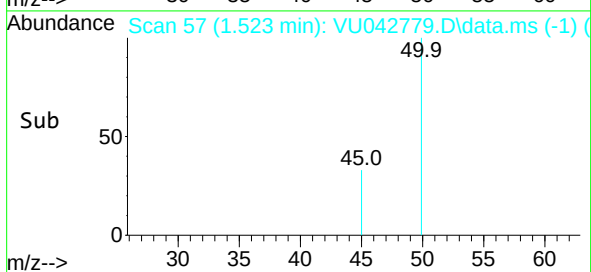
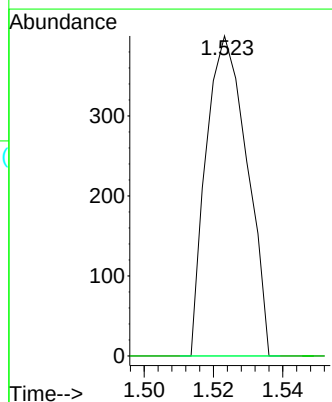
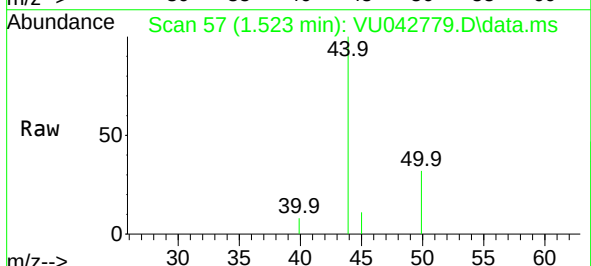
Instrument :
MSVOA_U
ClientSampleId :
PB1355335ZHE#01

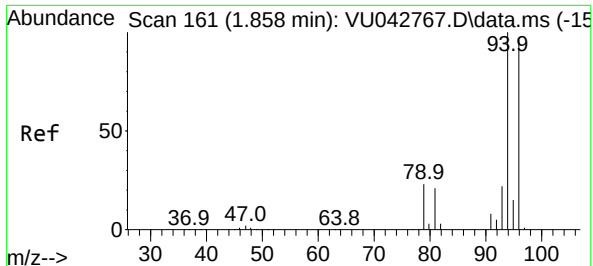
Tgt Ion:168 Resp: 112200
Ion Ratio Lower Upper
168 100
99 57.0 46.4 69.6



#3
Chloromethane
Concen: 0.23 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU042779.D
Acq: 25 Mar 2021 12:54

Tgt Ion: 50 Resp: 327
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.0#

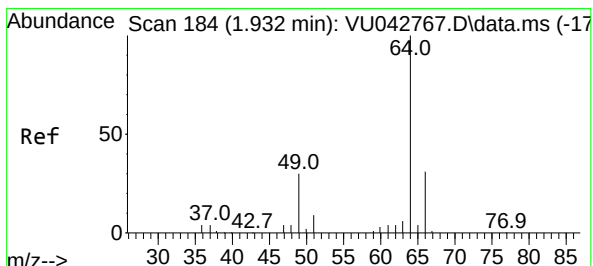
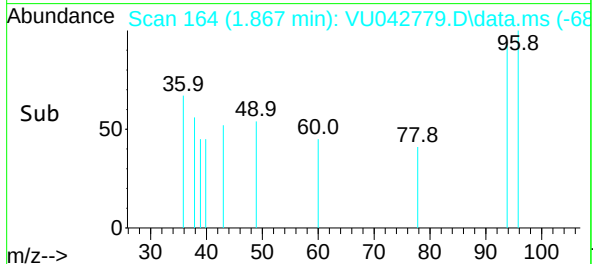
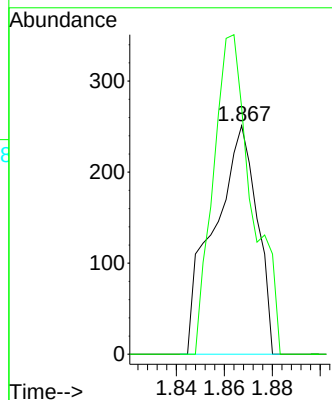
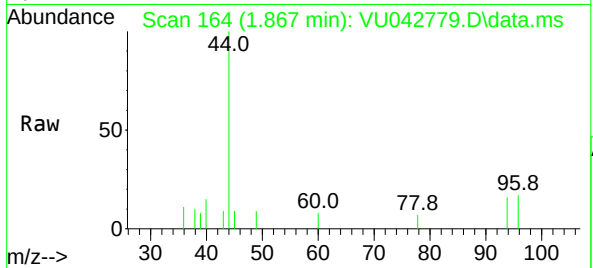




#5
Bromomethane
Concen: Below Cal
RT: 1.867 min Scan# 164
Delta R.T. 0.009 min
Lab File: VU042779.D
Acq: 25 Mar 2021 12:54

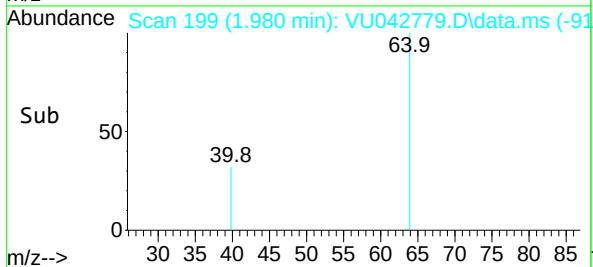
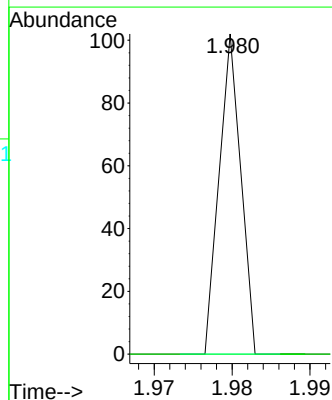
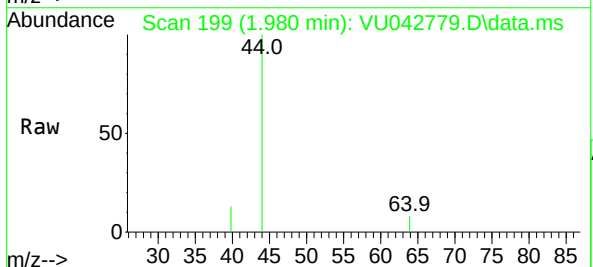
Instrument :
MSVOA_U
ClientSampleId :
PB1355335ZHE#01

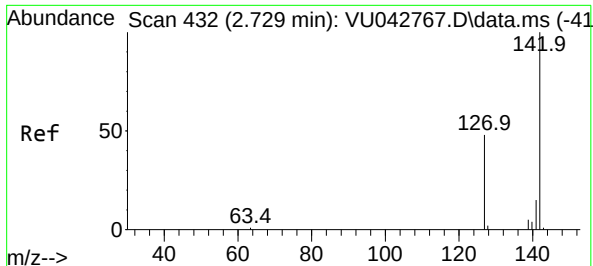
Tgt Ion: 94 Resp: 313
Ion Ratio Lower Upper
94 100
96 108.0 77.1 115.7



#6
Chloroethane
Concen: Below Cal
RT: 1.980 min Scan# 199
Delta R.T. 0.048 min
Lab File: VU042779.D
Acq: 25 Mar 2021 12:54

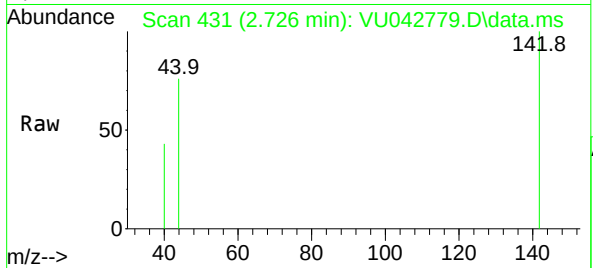
Tgt Ion: 64 Resp: 20
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.6#



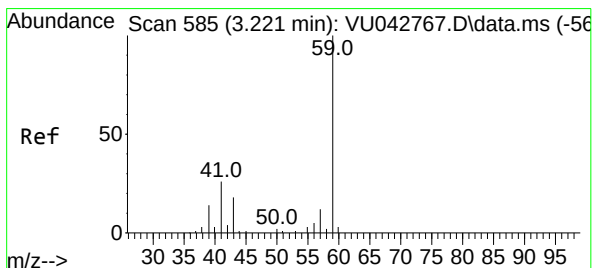
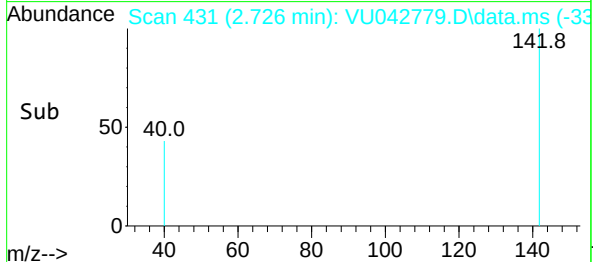
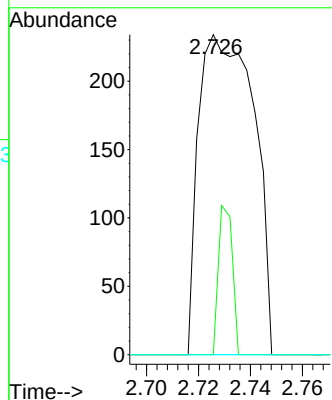


#10
Methyl Iodide
Concen: 0.24 ug/l
RT: 2.726 min Scan# 431
Delta R.T. -0.004 min
Lab File: VU042779.D
Acq: 25 Mar 2021 12:54

Instrument :
MSVOA_U
ClientSampleId :
PB1355335ZHE#01

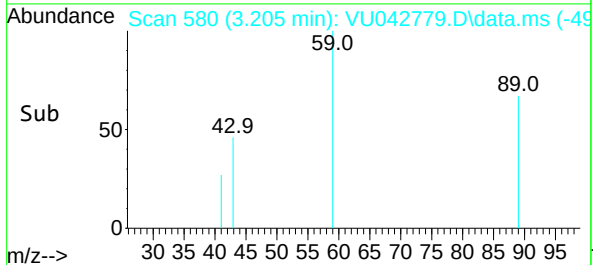
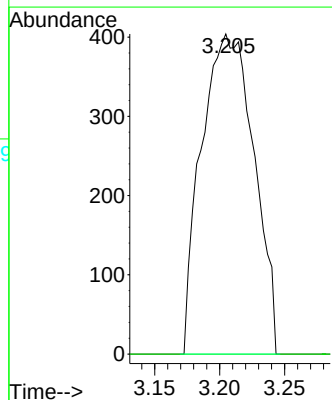
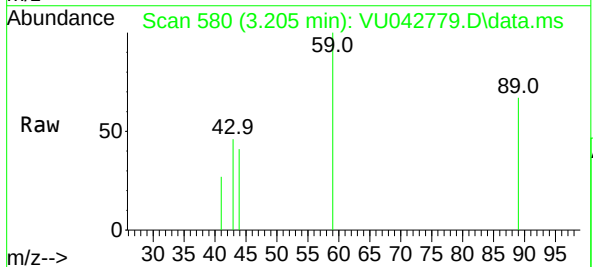


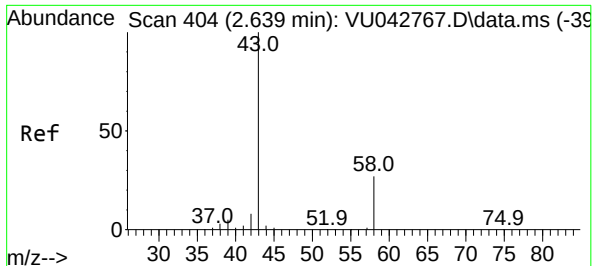
Tgt Ion:142 Resp: 345
Ion Ratio Lower Upper
142 100
127 11.9 38.7 58.1#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 2.97 ug/l
RT: 3.205 min Scan# 580
Delta R.T. -0.016 min
Lab File: VU042779.D
Acq: 25 Mar 2021 12:54

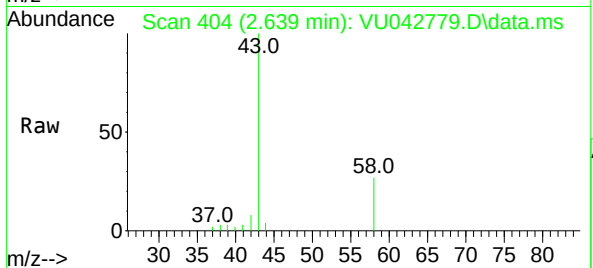
Tgt Ion: 59 Resp: 1135
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



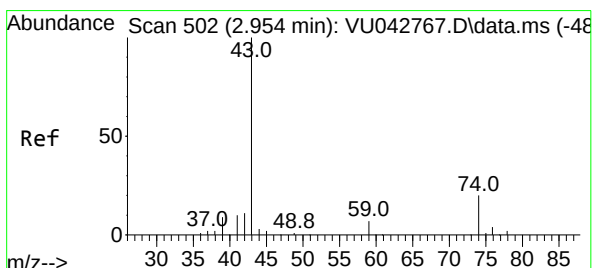
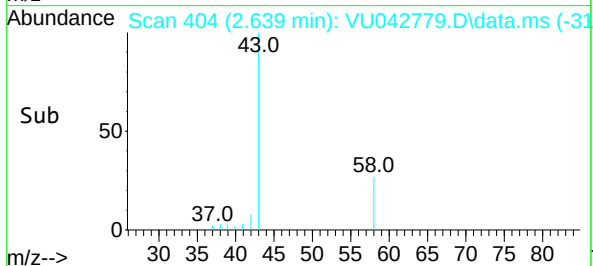
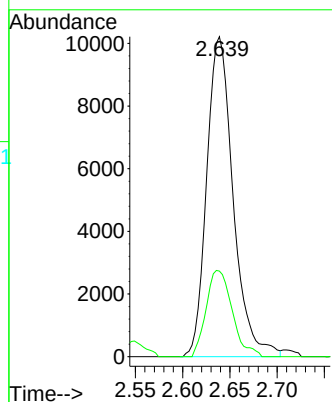


#16
Acetone
Concen: 8.94 ug/l
RT: 2.639 min Scan# 404
Delta R.T. -0.000 min
Lab File: VU042779.D
Acq: 25 Mar 2021 12:54

Instrument :
MSVOA_U
ClientSampleId :
PB1355335ZHE#01

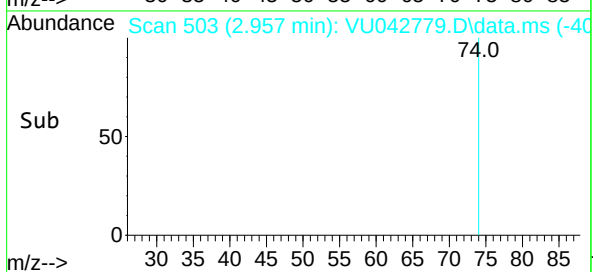
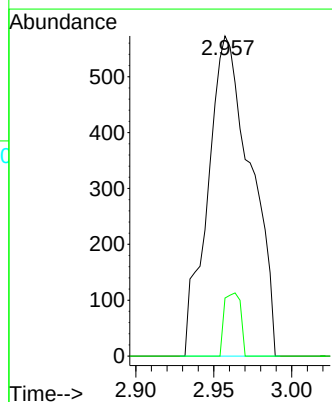
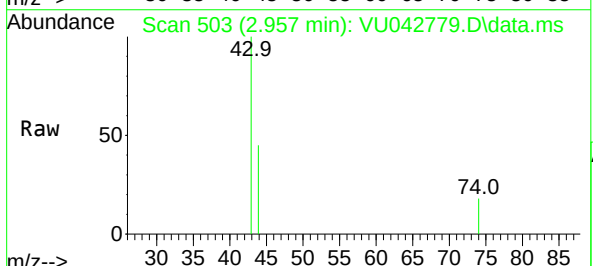


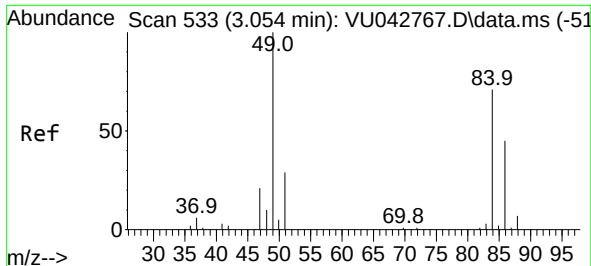
Tgt Ion: 43 Resp: 19882
Ion Ratio Lower Upper
43 100
58 26.7 21.6 32.4



#18
Methyl Acetate
Concen: 0.54 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.003 min
Lab File: VU042779.D
Acq: 25 Mar 2021 12:54

Tgt Ion: 43 Resp: 1099
Ion Ratio Lower Upper
43 100
74 7.5 16.2 24.4#





#20

Methylene Chloride

Concen: 5.13 ug/l

RT: 3.054 min Scan# 533

Delta R.T. -0.000 min

Lab File: VU042779.D

Acq: 25 Mar 2021 12:54

Tgt Ion: 84 Resp: 6603

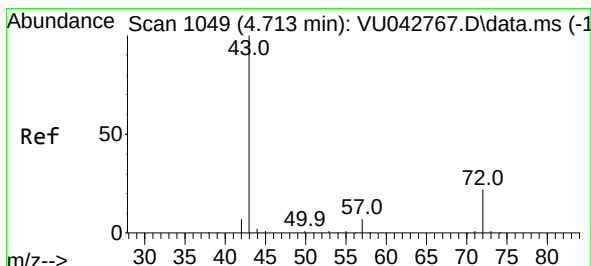
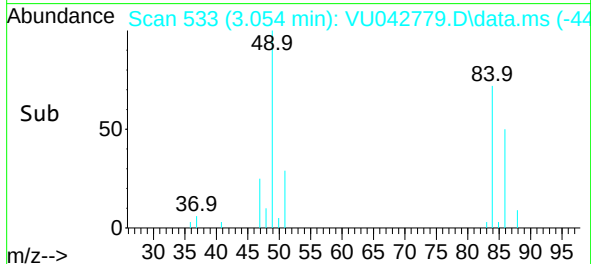
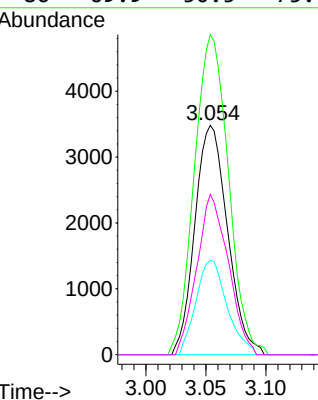
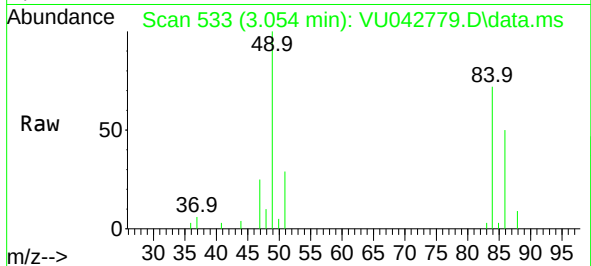
Ion Ratio Lower Upper

84 100

49 139.5 113.0 169.4

51 41.1 32.9 49.3

86 69.9 50.5 75.7



#25

2-Butanone

Concen: 3.49 ug/l

RT: 4.716 min Scan# 1050

Delta R.T. 0.003 min

Lab File: VU042779.D

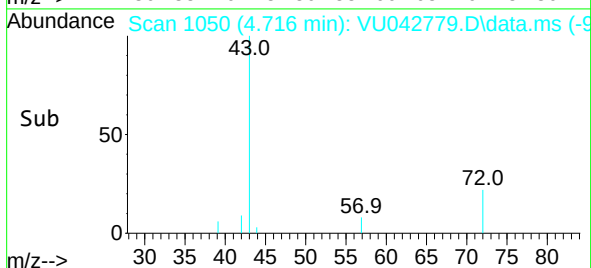
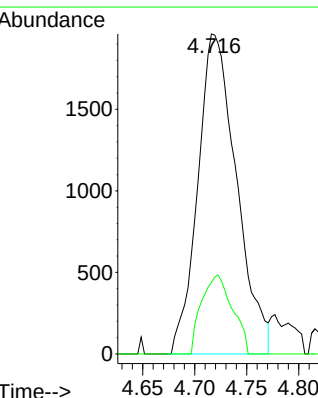
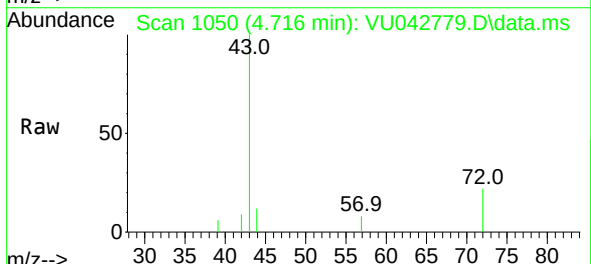
Acq: 25 Mar 2021 12:54

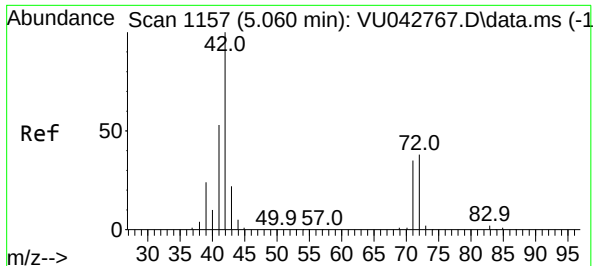
Tgt Ion: 43 Resp: 5078

Ion Ratio Lower Upper

43 100

72 22.3 17.7 26.5





#29

Tetrahydrofuran

Concen: 0.34 ug/l

RT: 5.070 min Scan# 1160

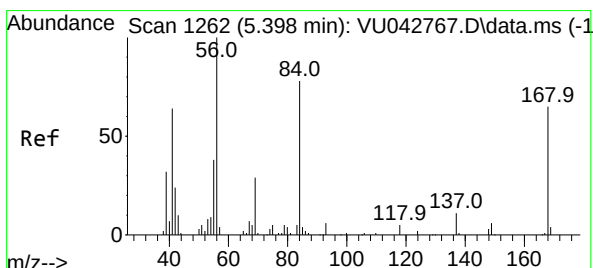
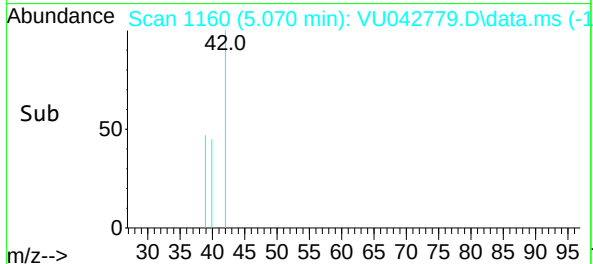
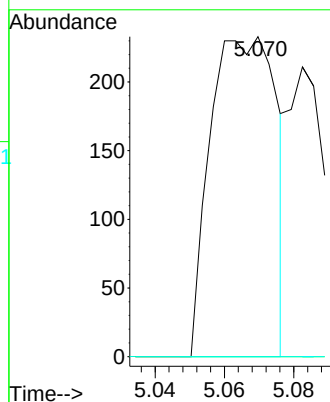
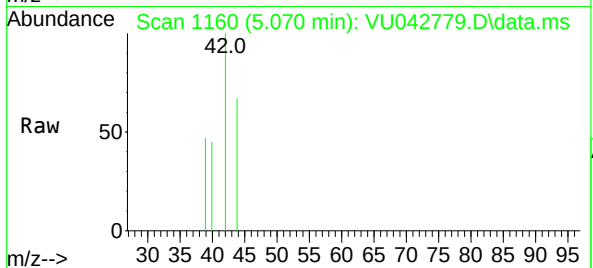
Delta R.T. 0.009 min

Lab File: VU042779.D

Acq: 25 Mar 2021 12:54

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Tgt Ion:	42	Resp:	308
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.2	45.4#
71	0.0	28.6	42.8#



#31

Cyclohexane

Concen: 1.26 ug/l

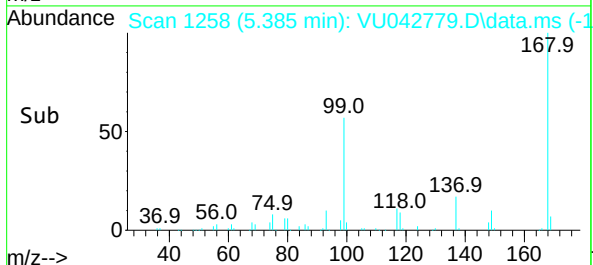
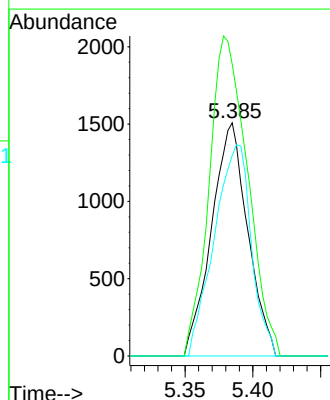
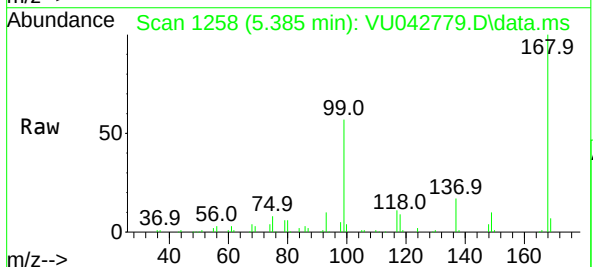
RT: 5.385 min Scan# 1258

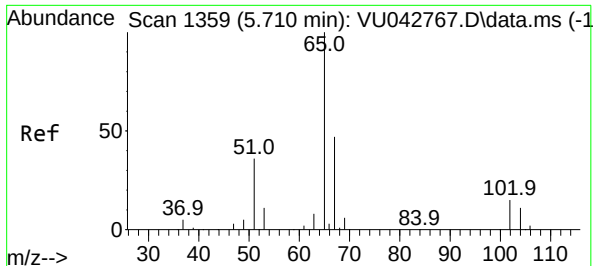
Delta R.T. -0.013 min

Lab File: VU042779.D

Acq: 25 Mar 2021 12:54

Tgt Ion:	56	Resp:	2801
Ion	Ratio	Lower	Upper
56	100		
69	125.2	23.3	34.9#
84	86.0	62.2	93.4





#33

1,2-Dichloroethane-d4

Concen: 49.17 ug/l

RT: 5.713 min Scan# 1360

Delta R.T. 0.003 min

Lab File: VU042779.D

Acq: 25 Mar 2021 12:54

Tgt Ion: 65 Resp: 87941

Ion Ratio Lower Upper

65 100

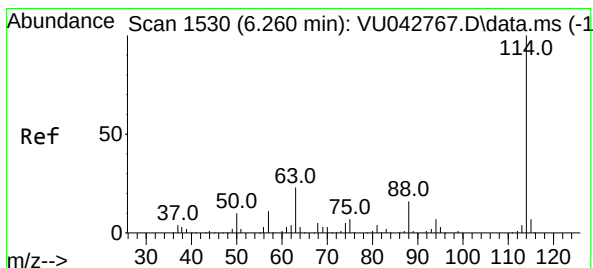
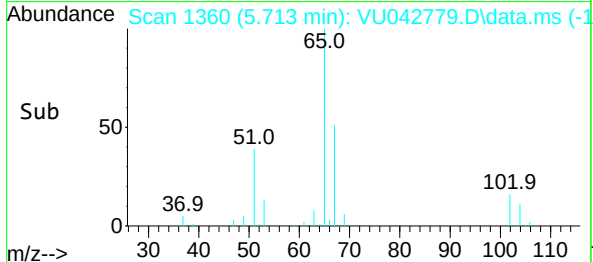
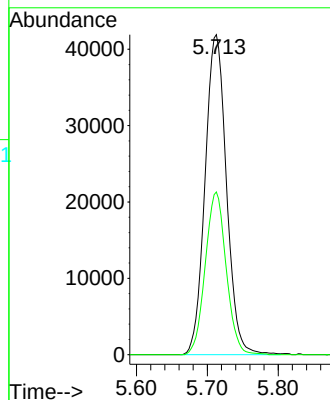
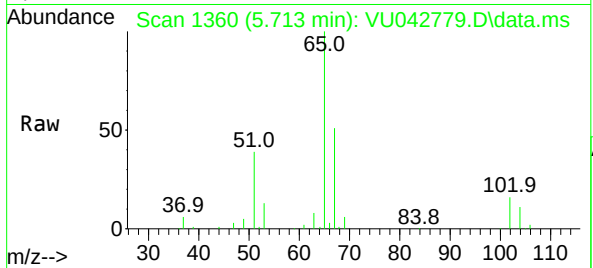
67 49.7 0.0 98.8

Instrument :

MSVOA_U

ClientSampleId :

PB1355335ZHE#01



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.259 min Scan# 1530

Delta R.T. -0.001 min

Lab File: VU042779.D

Acq: 25 Mar 2021 12:54

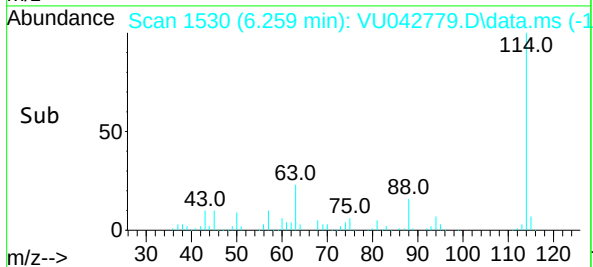
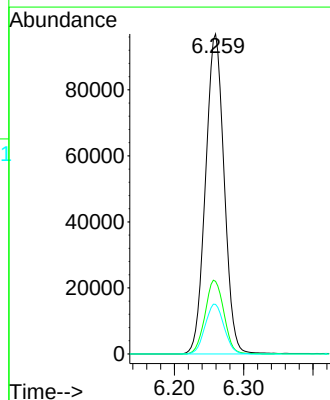
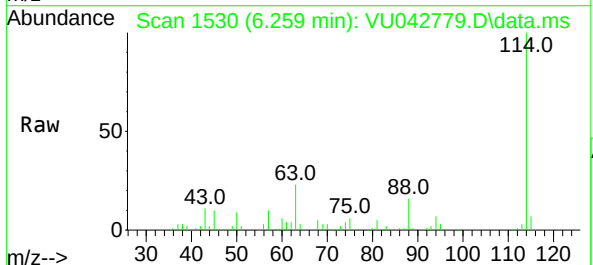
Tgt Ion: 114 Resp: 180360

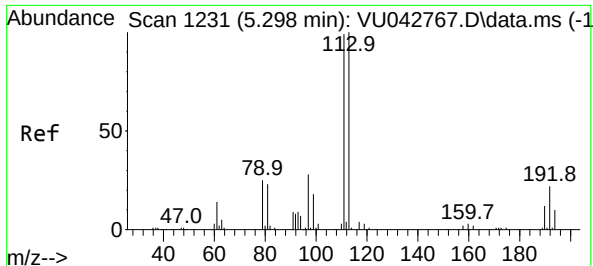
Ion Ratio Lower Upper

114 100

63 22.7 0.0 46.8

88 15.5 0.0 32.2

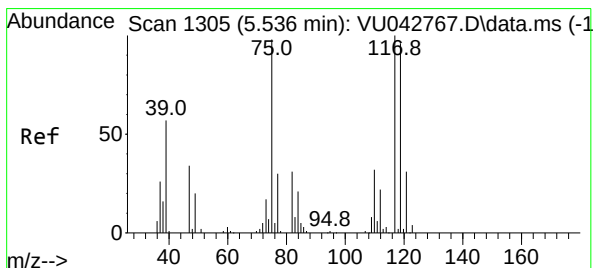
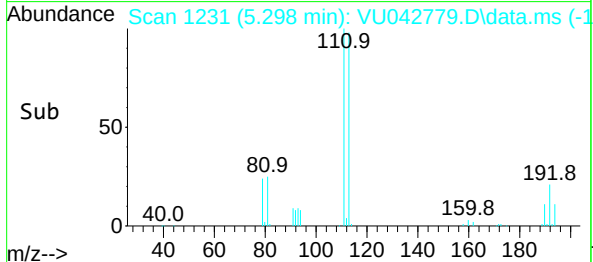
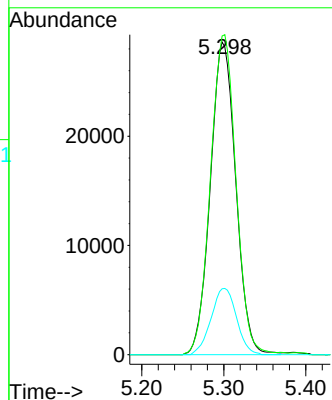
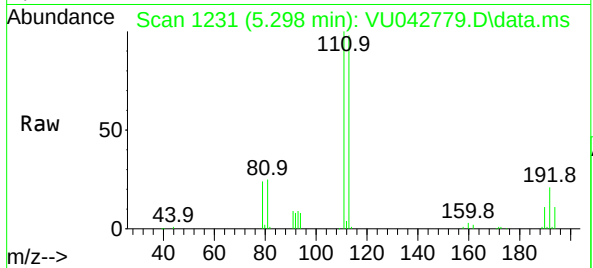




#35
Dibromofluoromethane
Concen: 45.86 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VU042779.D
Acq: 25 Mar 2021 12:54

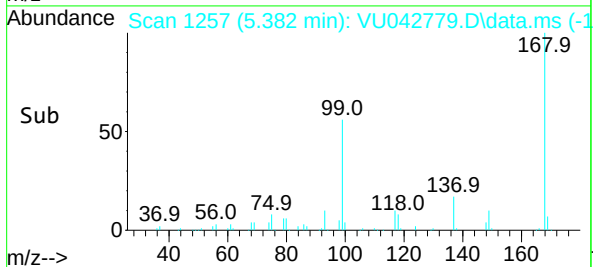
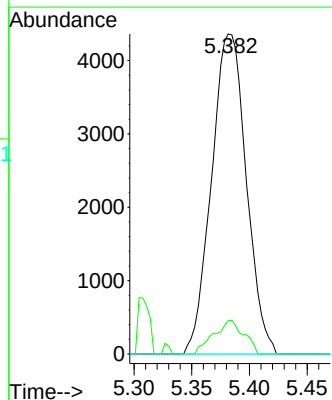
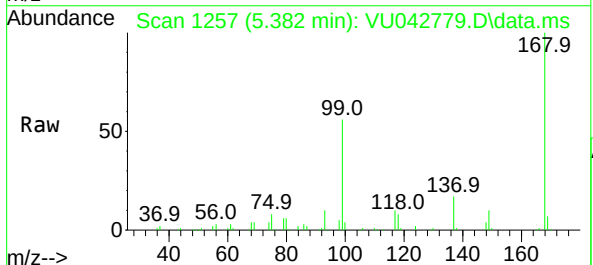
Instrument :
MSVOA_U
ClientSampleId :
PB1355335ZHE#01

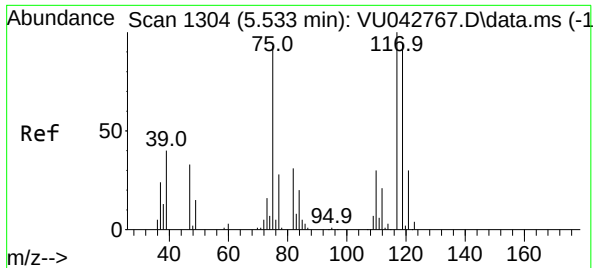
Tgt Ion:113 Resp: 61731
Ion Ratio Lower Upper
113 100
111 102.5 82.1 123.1
192 21.2 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.12 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.155 min
Lab File: VU042779.D
Acq: 25 Mar 2021 12:54

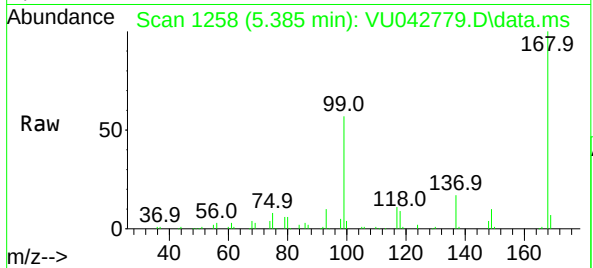
Tgt Ion: 75 Resp: 9136
Ion Ratio Lower Upper
75 100
110 9.1 16.6 49.7#
77 0.0 24.7 37.1#



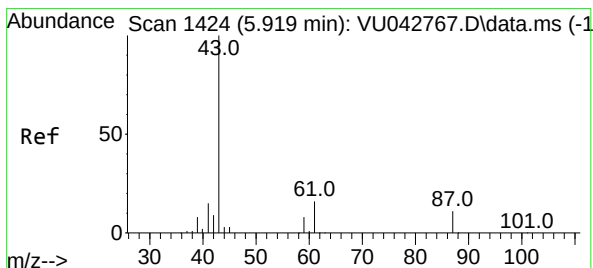
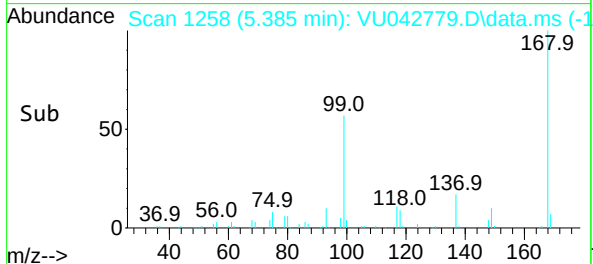
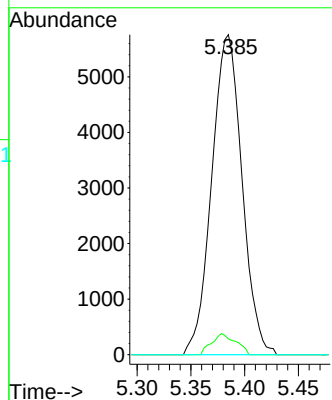


#38
Carbon Tetrachloride
Concen: 5.54 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.148 min
Lab File: VU042779.D
Acq: 25 Mar 2021 12:54

Instrument :
MSVOA_U
ClientSampleId :
PB1355335ZHE#01

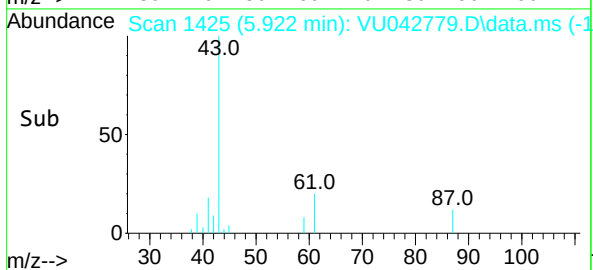
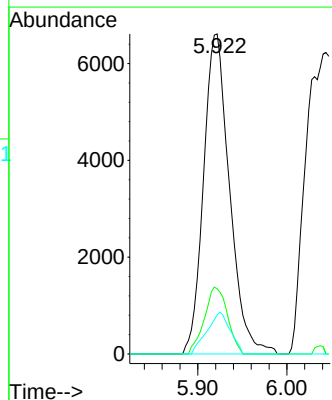
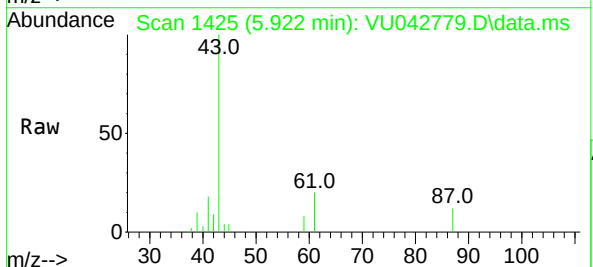


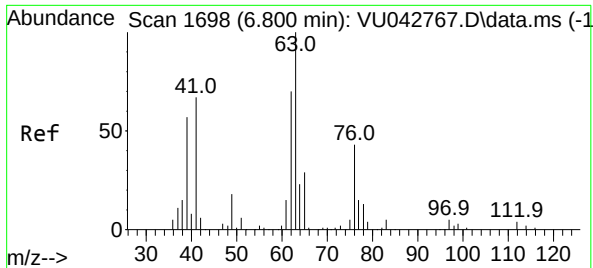
Tgt Ion:117 Resp: 11273
Ion Ratio Lower Upper
117 100
119 5.0 75.2 112.8#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 3.22 ug/l
RT: 5.922 min Scan# 1425
Delta R.T. 0.003 min
Lab File: VU042779.D
Acq: 25 Mar 2021 12:54

Tgt Ion: 43 Resp: 13407
Ion Ratio Lower Upper
43 100
61 18.5 13.4 20.0
87 11.6 8.7 13.1

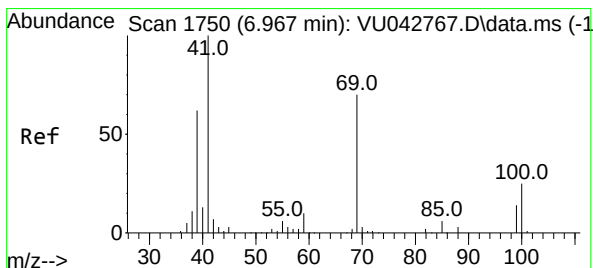
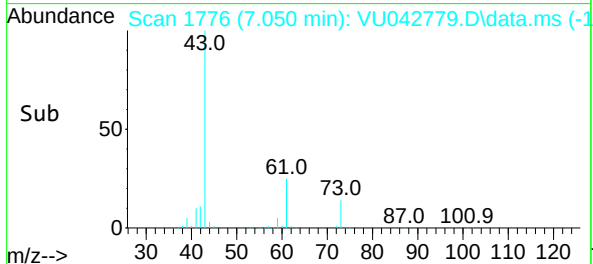
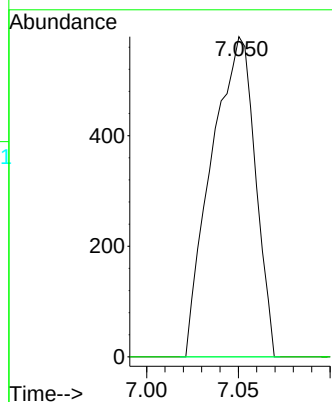
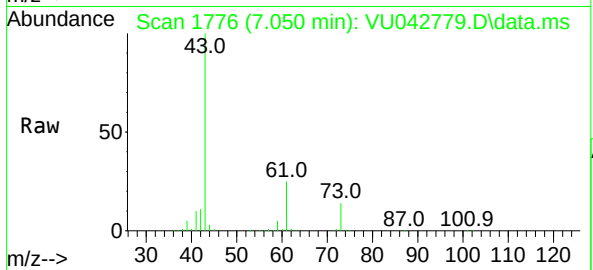




#45
1,2-Dichloropropane
Concen: 0.68 ug/l
RT: 7.050 min Scan# 1776
Delta R.T. 0.250 min
Lab File: VU042779.D
Acq: 25 Mar 2021 12:54

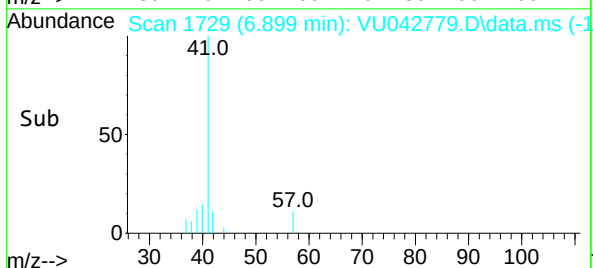
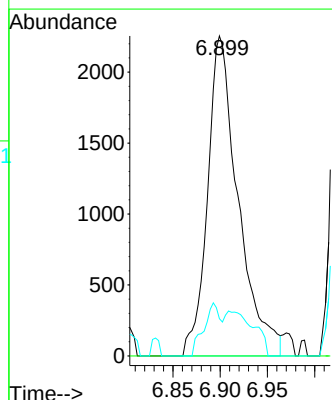
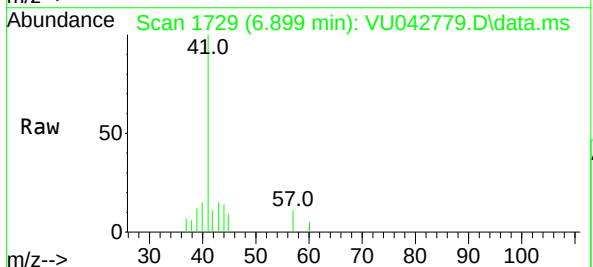
Instrument :
MSVOA_U
ClientSampleId :
PB1355335ZHE#01

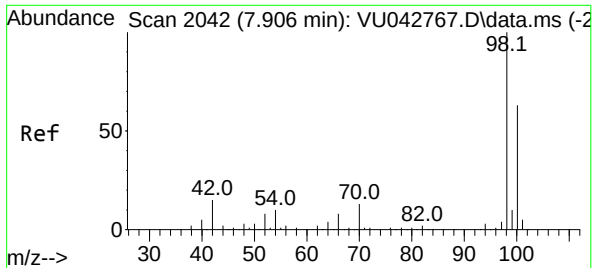
Tgt Ion: 63 Resp: 960
Ion Ratio Lower Upper
63 100
65 0.0 23.5 35.3#



#48
Methyl methacrylate
Concen: 2.52 ug/l
RT: 6.899 min Scan# 1729
Delta R.T. -0.068 min
Lab File: VU042779.D
Acq: 25 Mar 2021 12:54

Tgt Ion: 41 Resp: 5079
Ion Ratio Lower Upper
41 100
69 0.0 55.9 83.9#
39 0.0 49.7 74.5#

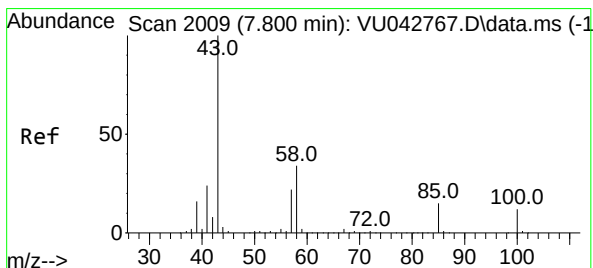
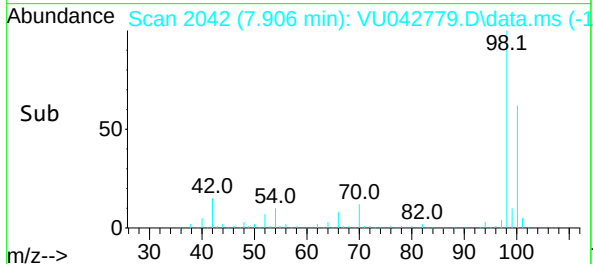
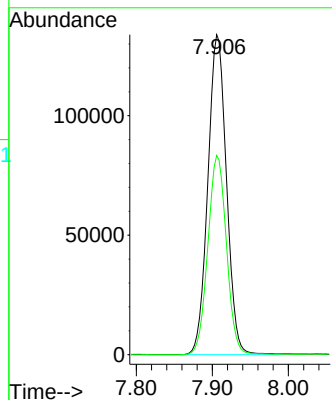
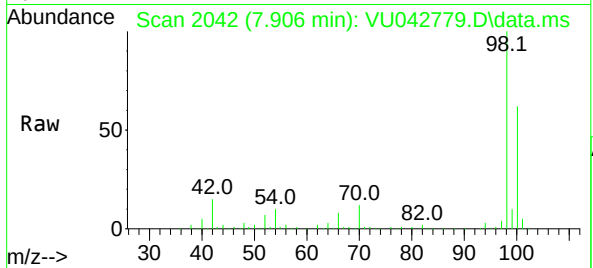




#50
Toluene-d8
Concen: 48.15 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU042779.D
Acq: 25 Mar 2021 12:54

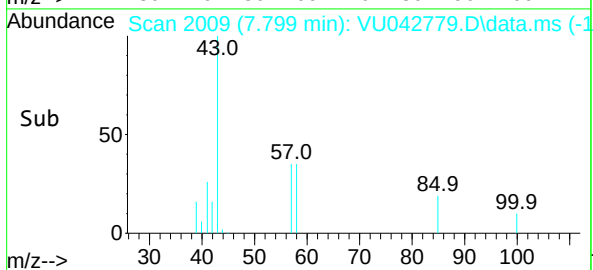
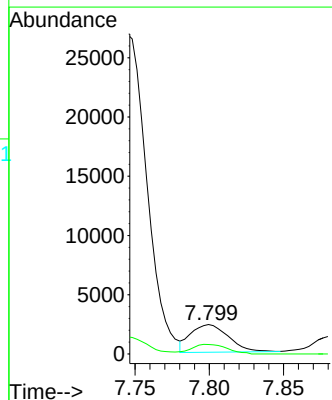
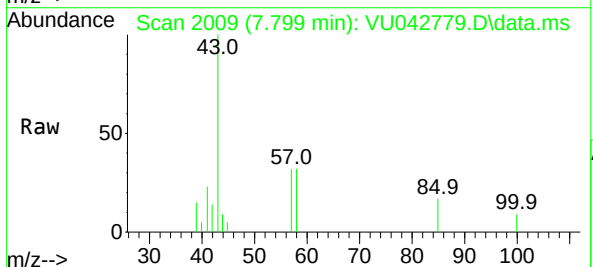
Instrument :
MSVOA_U
ClientSampleId :
PB1355335ZHE#01

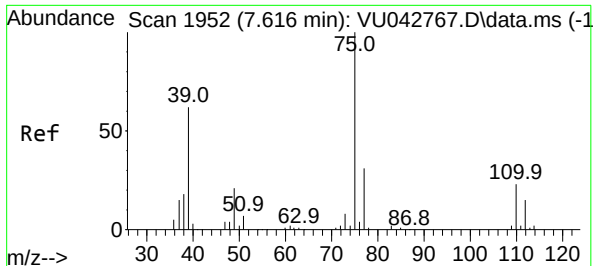
Tgt Ion: 98 Resp: 228028
Ion Ratio Lower Upper
98 100
100 62.3 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 1.42 ug/l
RT: 7.799 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VU042779.D
Acq: 25 Mar 2021 12:54

Tgt Ion: 43 Resp: 4131
Ion Ratio Lower Upper
43 100
58 32.8 27.4 41.2

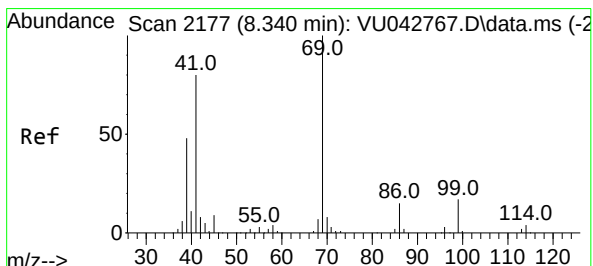
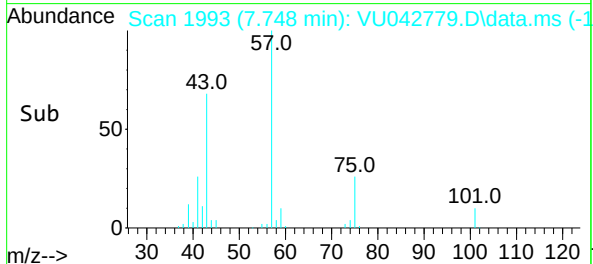
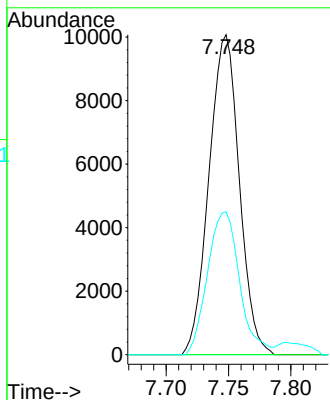
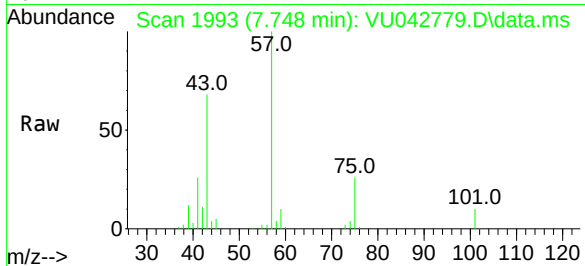




#54
 cis-1,3-Dichloropropene
 Concen: 7.49 ug/l
 RT: 7.748 min Scan# 1993
 Delta R.T. 0.132 min
 Lab File: VU042779.D
 Acq: 25 Mar 2021 12:54

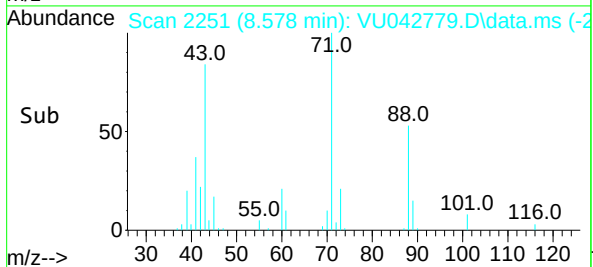
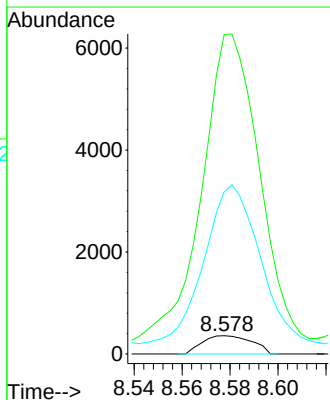
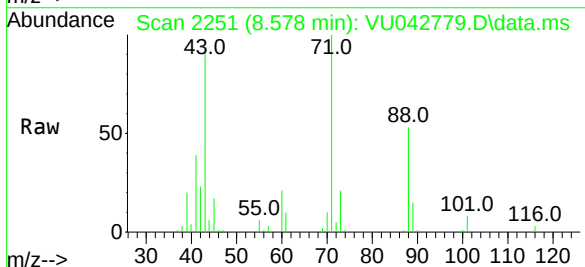
Instrument :
 MSVOA_U
 ClientSampleId :
 PB1355335ZHE#01

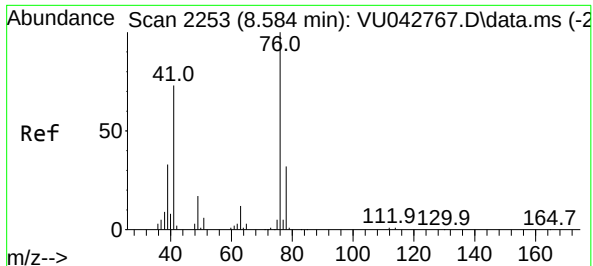
Tgt Ion: 75 Resp: 17036
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 43.7 49.2 73.8#



#56
 Ethyl methacrylate
 Concen: 0.24 ug/l
 RT: 8.578 min Scan# 2251
 Delta R.T. 0.238 min
 Lab File: VU042779.D
 Acq: 25 Mar 2021 12:54

Tgt Ion: 69 Resp: 515
 Ion Ratio Lower Upper
 69 100
 41 2199.6 64.6 97.0#
 39 1179.2 38.2 57.2#



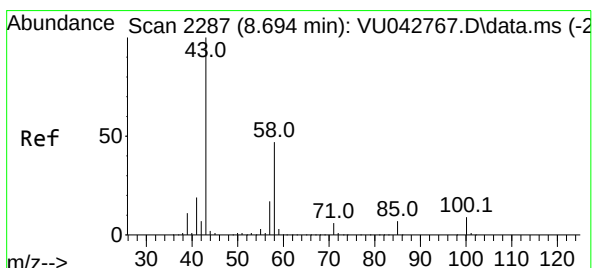
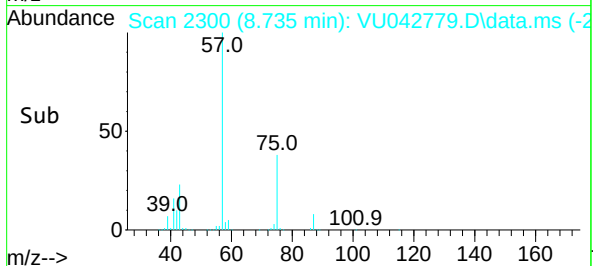
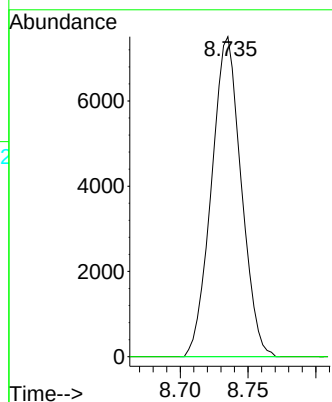
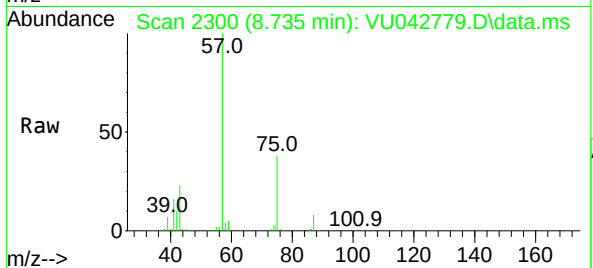


#57

1,3-Dichloropropane
Concen: 4.75 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.151 min
Lab File: VU042779.D
Acq: 25 Mar 2021 12:54

Instrument :
MSVOA_U
ClientSampleId :
PB1355335ZHE#01

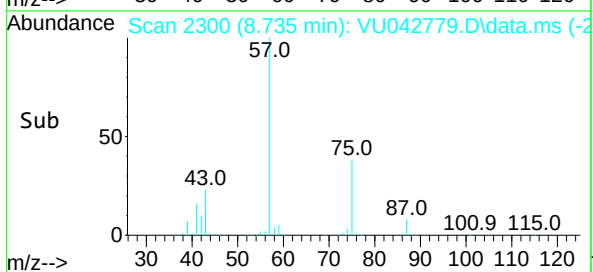
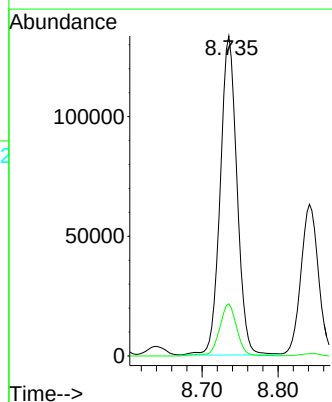
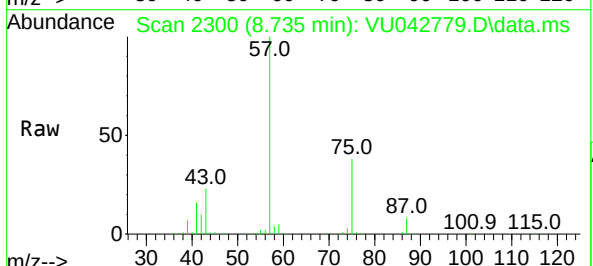
Tgt Ion: 76 Resp: 11437
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

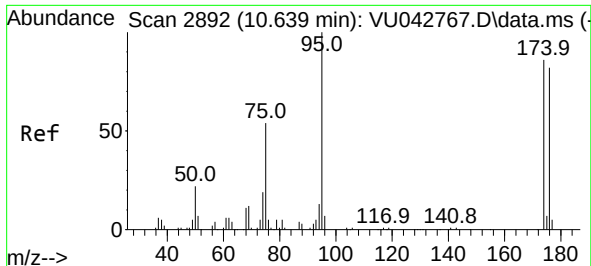


#59

2-Hexanone
Concen: 88.02 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.041 min
Lab File: VU042779.D
Acq: 25 Mar 2021 12:54

Tgt Ion: 43 Resp: 204196
Ion Ratio Lower Upper
43 100
58 16.9 23.8 71.2#

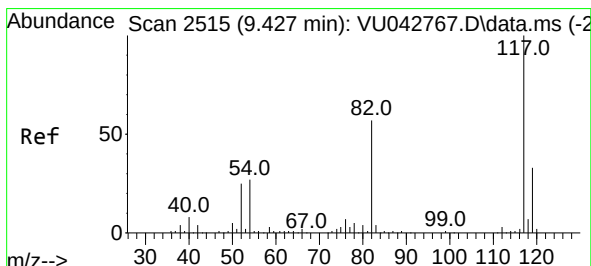
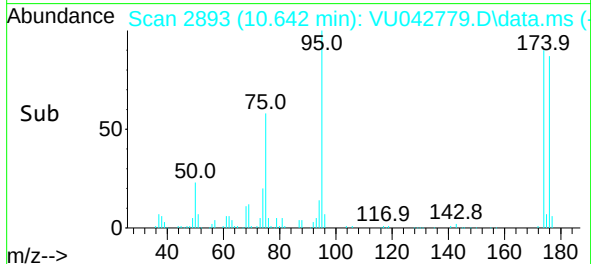
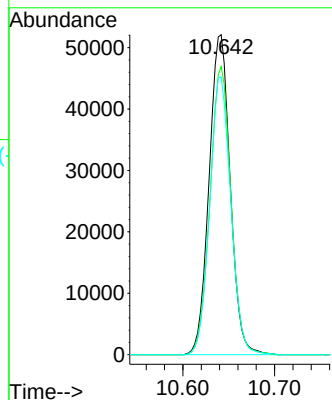
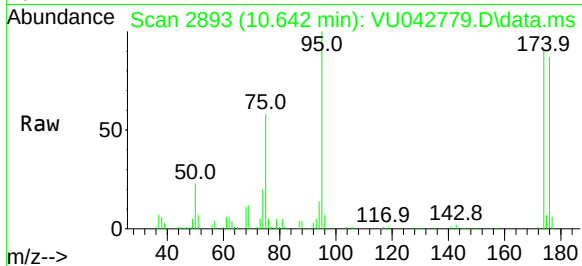




#62
4-Bromofluorobenzene
Concen: 45.33 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. 0.003 min
Lab File: VU042779.D
Acq: 25 Mar 2021 12:54

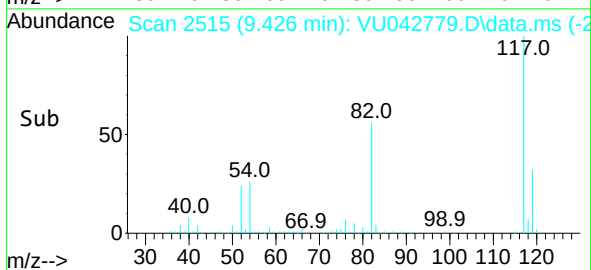
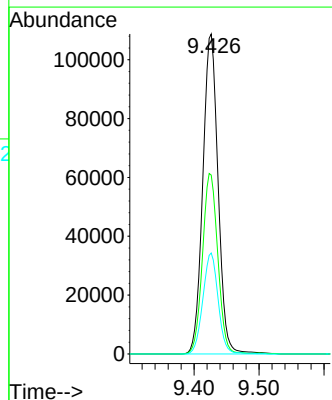
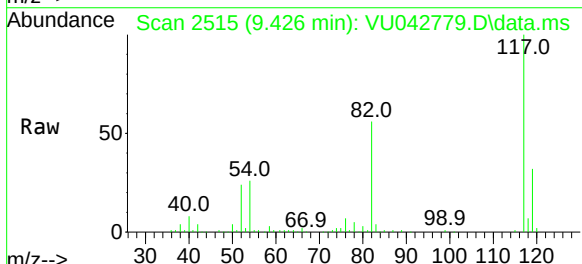
Instrument :
MSVOA_U
ClientSampleId :
PB1355335ZHE#01

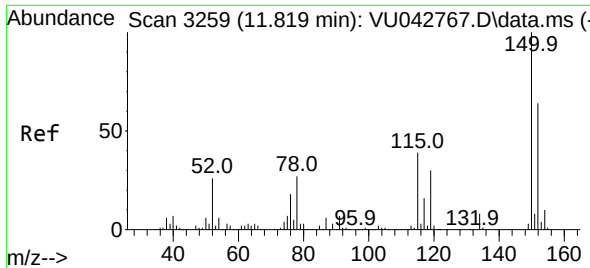
Tgt Ion: 95 Resp: 83414
Ion Ratio Lower Upper
95 100
174 89.7 0.0 175.2
176 86.3 0.0 167.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.426 min Scan# 2515
Delta R.T. -0.000 min
Lab File: VU042779.D
Acq: 25 Mar 2021 12:54

Tgt Ion: 117 Resp: 178374
Ion Ratio Lower Upper
117 100
82 55.9 45.5 68.3
119 31.6 26.2 39.4

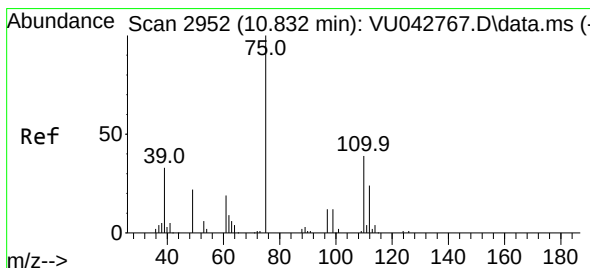
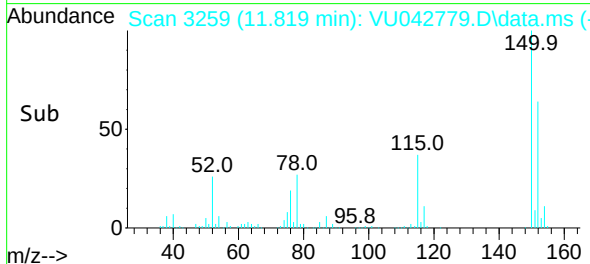
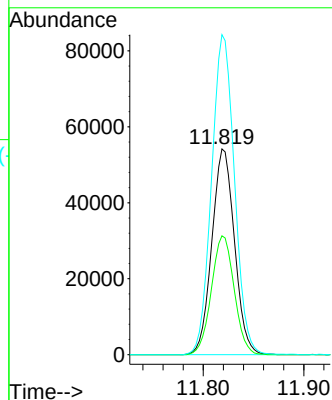
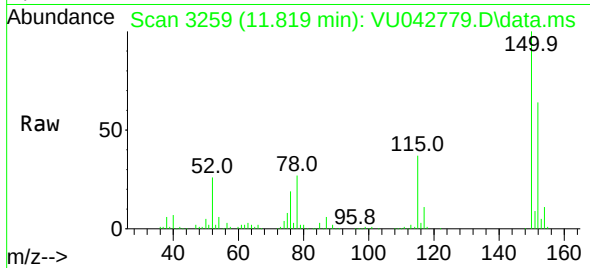




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU042779.D
 Acq: 25 Mar 2021 12:54

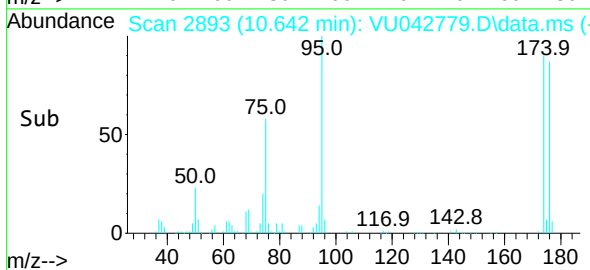
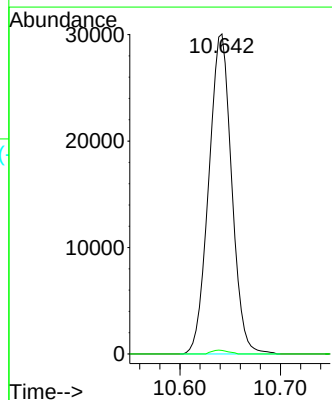
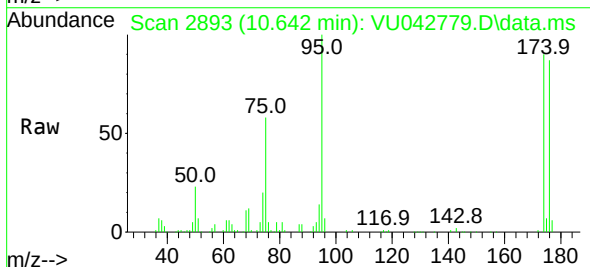
Instrument :
 MSVOA_U
 ClientSampleId :
 PB1355335ZHE#01

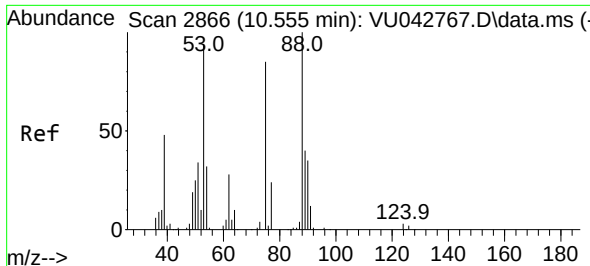
Tgt Ion:152 Resp: 84808
 Ion Ratio Lower Upper
 152 100
 115 58.1 41.0 123.0
 150 157.3 0.0 341.0



#76
 1,2,3-Trichloropropane
 Concen: 22.05 ug/l
 RT: 10.642 min Scan# 2893
 Delta R.T. -0.190 min
 Lab File: VU042779.D
 Acq: 25 Mar 2021 12:54

Tgt Ion: 75 Resp: 47567
 Ion Ratio Lower Upper
 75 100
 77 0.9 19.6 58.8#

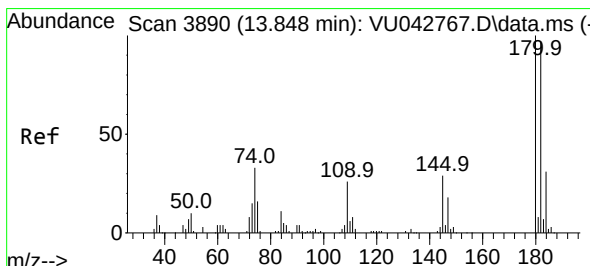
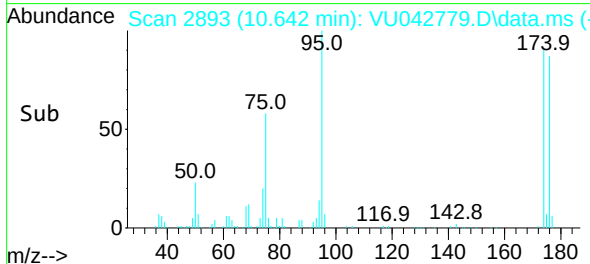
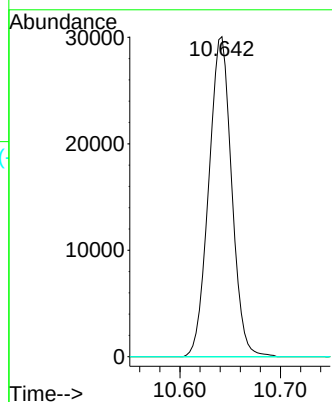
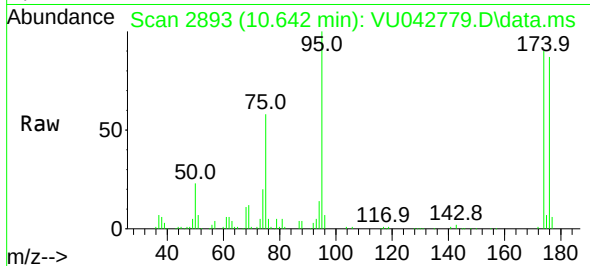




#81
trans-1,4-Dichloro-2-butene
Concen: 65.34 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. 0.087 min
Lab File: VU042779.D
Acq: 25 Mar 2021 12:54

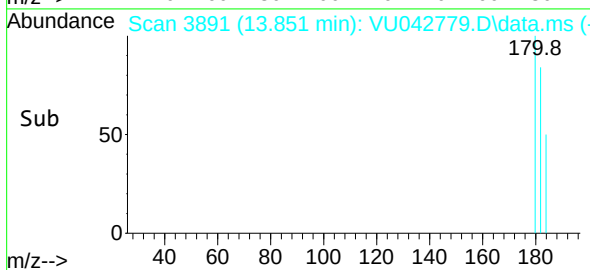
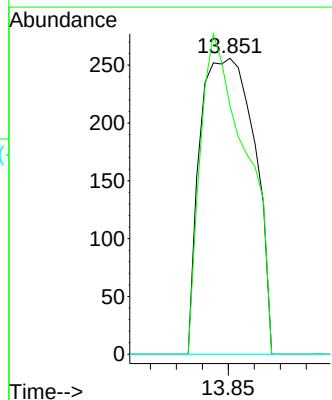
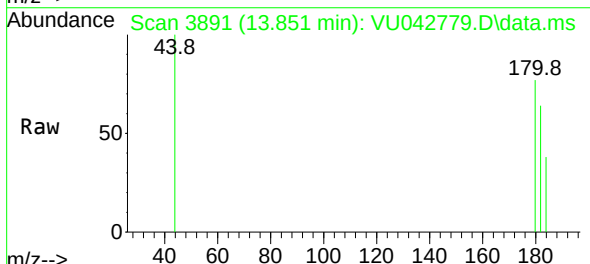
Instrument :
MSVOA_U
ClientSampleId :
PB1355335ZHE#01

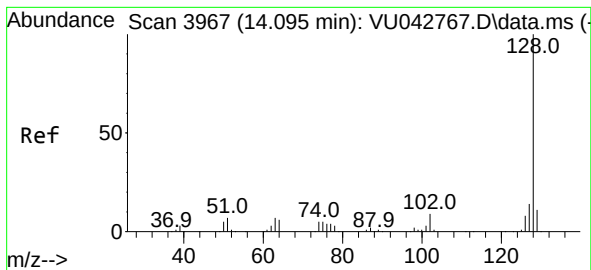
Tgt Ion: 75 Resp: 47567
Ion Ratio Lower Upper
75 100
53 0.0 88.3 132.5#
89 0.0 35.7 53.5#



#93
1,2,4-Trichlorobenzene
Concen: 0.22 ug/l
RT: 13.851 min Scan# 3891
Delta R.T. 0.003 min
Lab File: VU042779.D
Acq: 25 Mar 2021 12:54

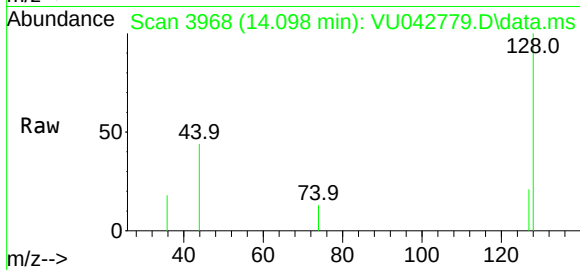
Tgt Ion:180 Resp: 371
Ion Ratio Lower Upper
180 100
182 91.9 48.0 144.0
145 0.0 14.5 43.5#





#95
Naphthalene
Concen: 2.82 ug/l
RT: 14.098 min Scan# 3968
Delta R.T. 0.003 min
Lab File: VU042779.D
Acq: 25 Mar 2021 12:54

Instrument :
MSVOA_U
ClientSampleId :
PB1355335ZHE#01



Tgt Ion:128 Resp: 1472
Ion Ratio Lower Upper
128 100
127 8.1 10.9 16.3#
129 0.0 8.7 13.1#

