

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060122\
 Data File : VU048775.D
 Acq On : 01 Jun 2022 12:19
 Operator : SY/MD
 Sample : VU0601MBL01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0601MBL01

Quant Time: Jun 01 15:18:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052622W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 27 06:42:31 2022
 Response via : Initial Calibration

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

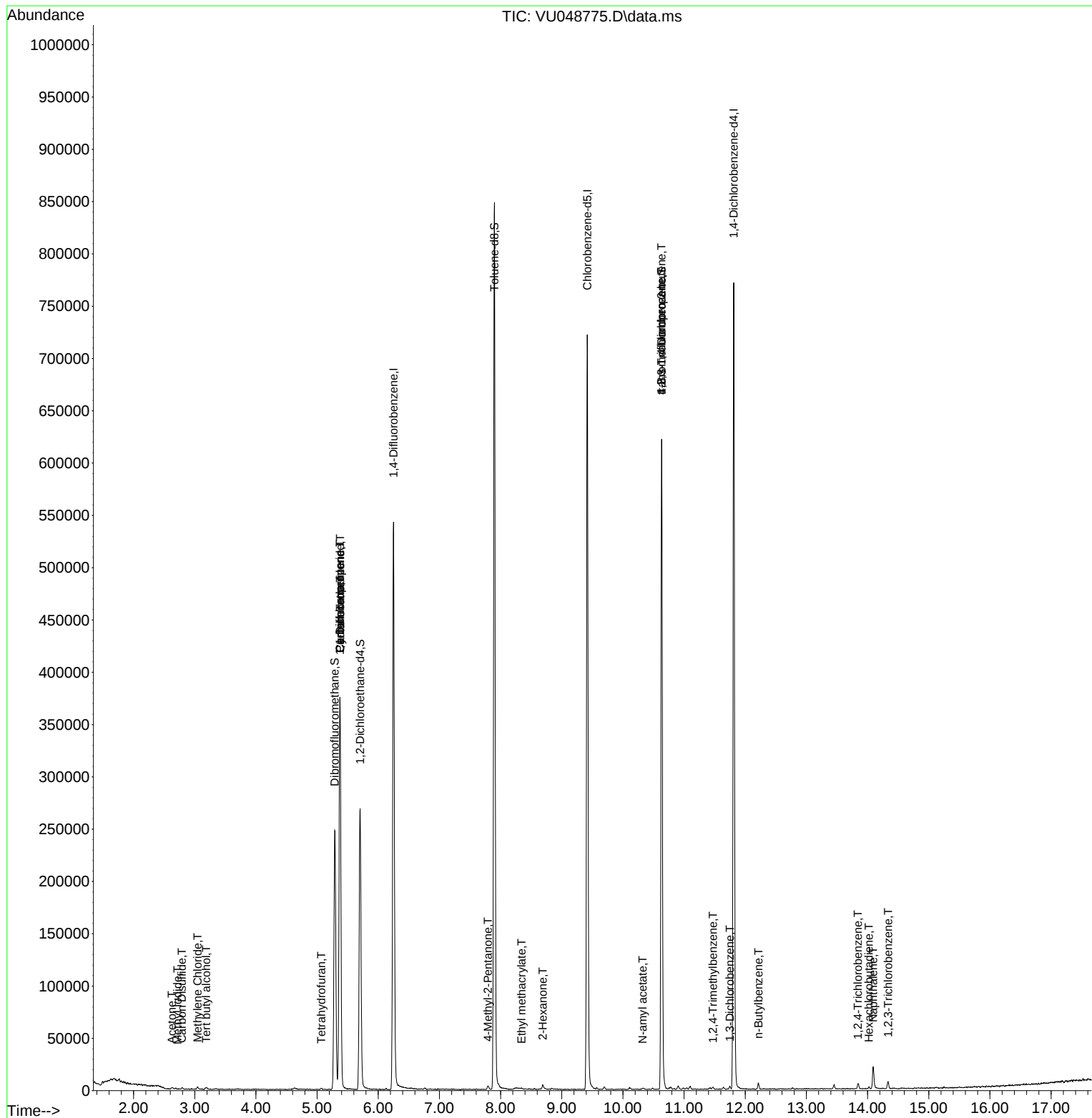
Internal Standards						
1) Pentafluorobenzene	5.375	168	259274	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	437893	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	414228	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	206140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	208114	53.448	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.900%			
35) Dibromofluoromethane	5.288	113	166315	53.237	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.480%			
50) Toluene-d8	7.899	98	573782	51.237	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.480%			
62) 4-Bromofluorobenzene	10.632	95	216585	51.140	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.280%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.858	94	239	Below Cal	#	49
6) Chloroethane	1.989	64	256	Below Cal	#	49
10) Methyl Iodide	2.719	142	73	3.021	ug/l #	37
11) Tert butyl alcohol	3.186	59	1251	1.267	ug/l #	28
13) Acrolein	2.478	56	108	Below Cal	#	1
16) Acetone	2.626	43	1825	0.920	ug/l #	87
17) Carbon Disulfide	2.790	76	1657	0.215	ug/l #	86
20) Methylene Chloride	3.047	84	1081	0.320	ug/l #	74
29) Tetrahydrofuran	5.070	42	741	0.413	ug/l #	67
31) Cyclohexane	5.375	56	5709	1.163	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	20933	4.591	ug/l #	50
38) Carbon Tetrachloride	5.375	117	26298	5.027	ug/l #	16
51) 4-Methyl-2-Pentanone	7.793	43	2974	0.547	ug/l #	83
56) Ethyl methacrylate	8.343	69	286	2.662	ug/l #	70
59) 2-Hexanone	8.690	43	3515	0.788	ug/l	100
64) Tetrachloroethene	8.555	164	102	Below Cal	#	80
74) N-amyl acetate	10.324	43	1220	2.639	ug/l #	81
76) 1,2,3-Trichloropropane	10.632	75	108216	16.282	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	108216	59.117	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.475	105	1530	1.307	ug/l	98
87) 1,3-Dichlorobenzene	11.748	146	1435	0.205	ug/l	88
89) n-Butylbenzene	12.214	91	2279	2.368	ug/l	93
93) 1,2,4-Trichlorobenzene	13.841	180	2219	0.478	ug/l	98
94) Hexachlorobutadiene	14.021	225	541	0.243	ug/l	88
95) Naphthalene	14.092	128	20413	3.727	ug/l	97
96) 1,2,3-Trichlorobenzene	14.336	180	2645	0.575	ug/l	97

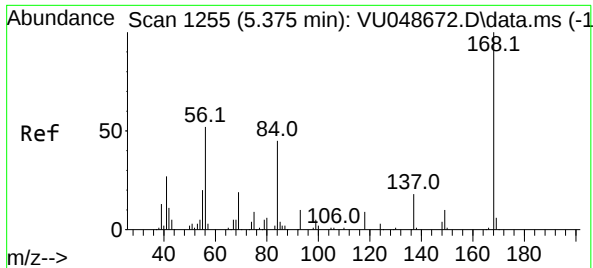
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060122\
Data File : VU048775.D
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Response via : Initial Calibration

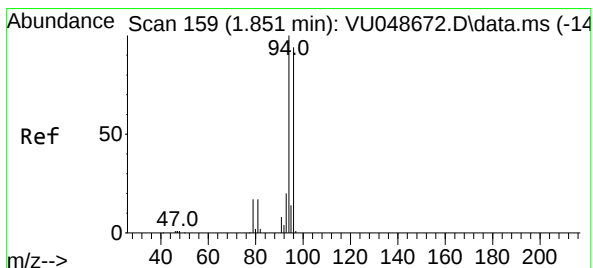
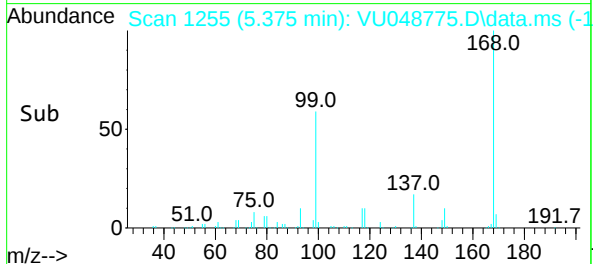
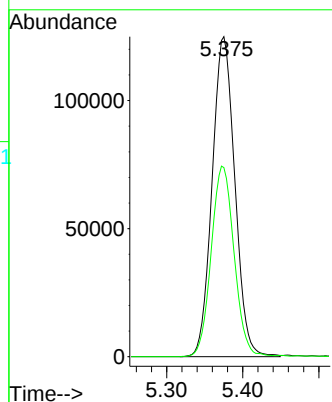
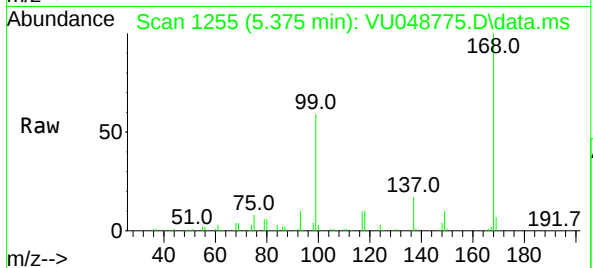




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048775.D
Acq: 01 Jun 2022 12:19

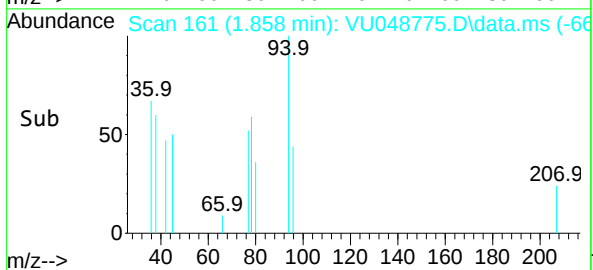
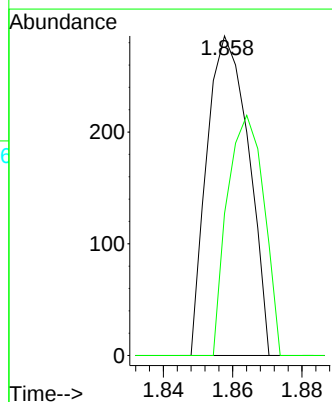
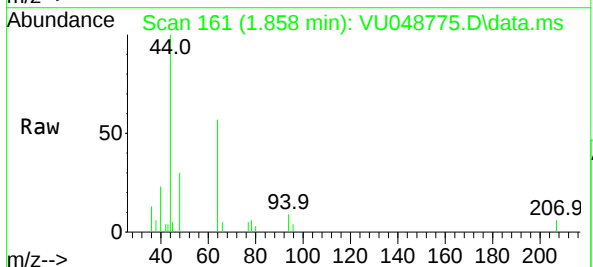
Instrument :
MSVOA_U
ClientSampleId :
VU0601MBL01

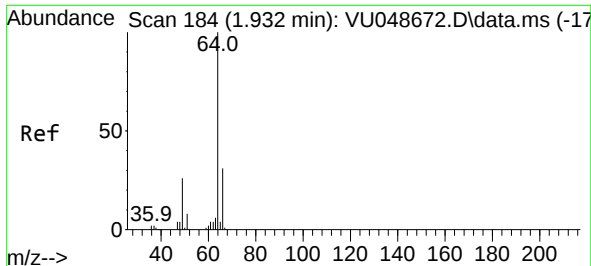
Tgt Ion:168 Resp: 259274
Ion Ratio Lower Upper
168 100
99 59.1 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 1.858 min Scan# 161
Delta R.T. 0.007 min
Lab File: VU048775.D
Acq: 01 Jun 2022 12:19

Tgt Ion: 94 Resp: 239
Ion Ratio Lower Upper
94 100
96 44.4 75.1 112.7#

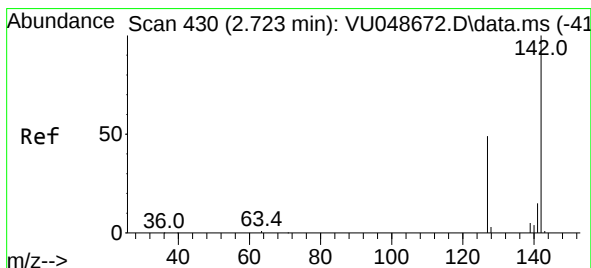
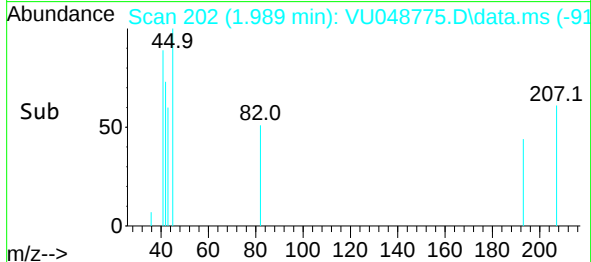
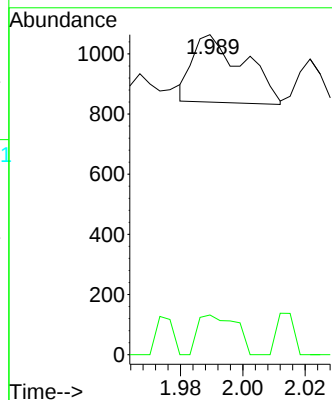
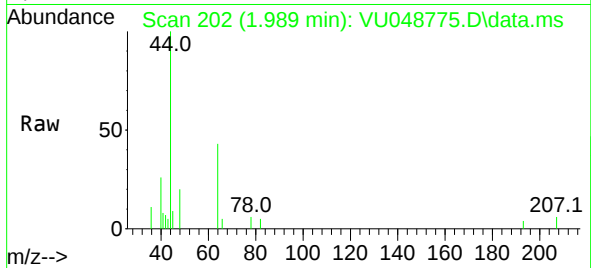




#6
Chloroethane
Concen: Below Cal
RT: 1.989 min Scan# 20
Delta R.T. 0.057 min
Lab File: VU048775.D
Acq: 01 Jun 2022 12:19

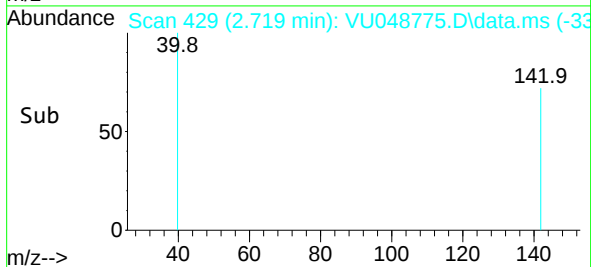
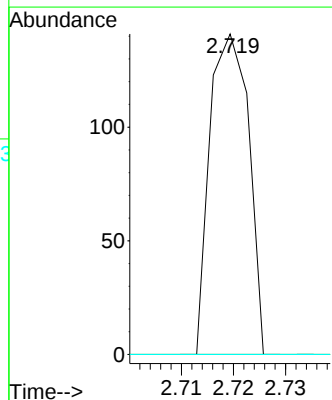
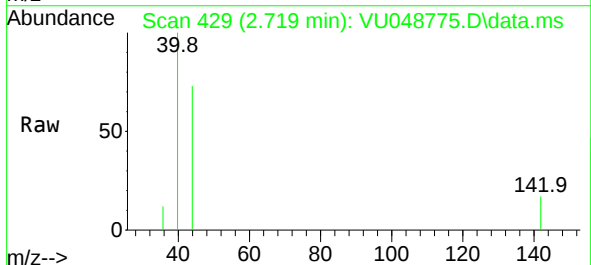
Instrument :
MSVOA_U
ClientSampleId :
VU0601MBL01

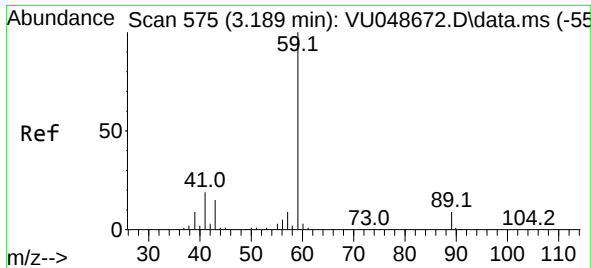
Tgt Ion: 64 Resp: 256
Ion Ratio Lower Upper
64 100
66 59.7 25.2 37.8#



#10
Methyl Iodide
Concen: 3.021 ug/l
RT: 2.719 min Scan# 429
Delta R.T. -0.004 min
Lab File: VU048775.D
Acq: 01 Jun 2022 12:19

Tgt Ion:142 Resp: 73
Ion Ratio Lower Upper
142 100
127 0.0 38.4 57.6#
141 0.0 11.5 17.3#

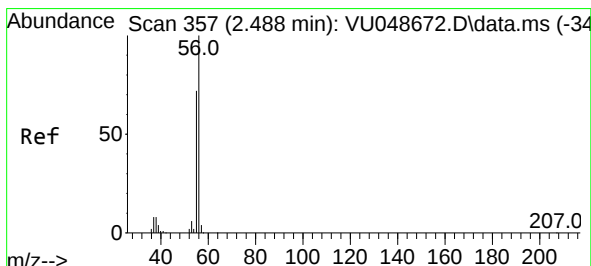
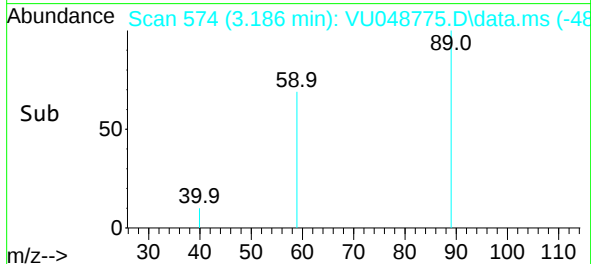
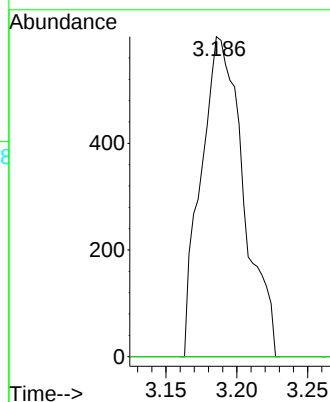
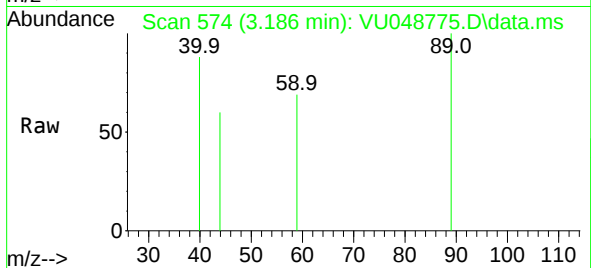




#11
Tert butyl alcohol
Concen: 1.267 ug/l
RT: 3.186 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU048775.D
Acq: 01 Jun 2022 12:19

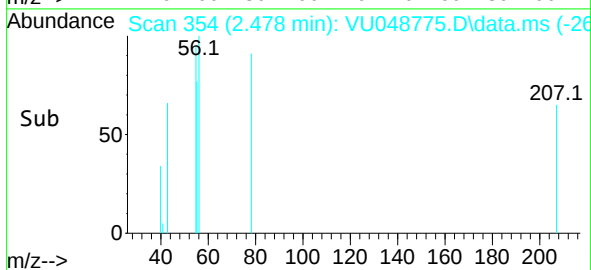
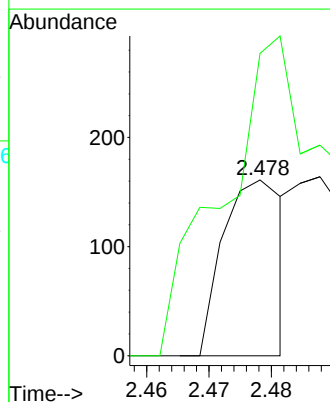
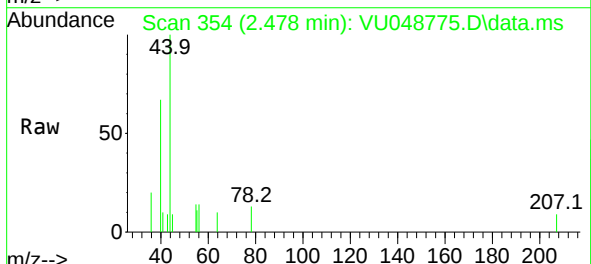
Instrument :
MSVOA_U
ClientSampleId :
VU0601MBL01

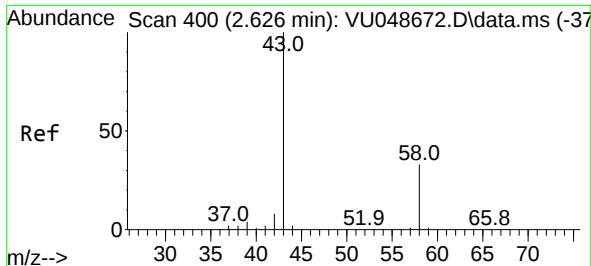
Tgt Ion: 59 Resp: 1251
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#



#13
Acrolein
Concen: Below Cal
RT: 2.478 min Scan# 354
Delta R.T. -0.010 min
Lab File: VU048775.D
Acq: 01 Jun 2022 12:19

Tgt Ion: 56 Resp: 108
Ion Ratio Lower Upper
56 100
55 338.0 57.7 86.5#





#16

Acetone

Concen: 0.920 ug/l

RT: 2.626 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU048775.D

Acq: 01 Jun 2022 12:19

Instrument :

MSVOA_U

ClientSampleId :

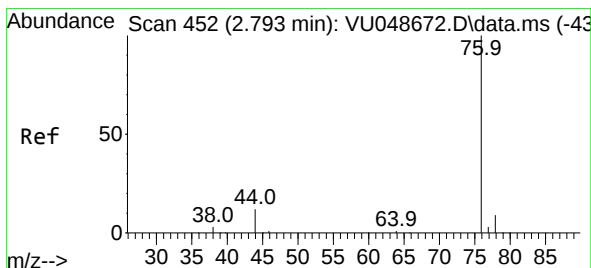
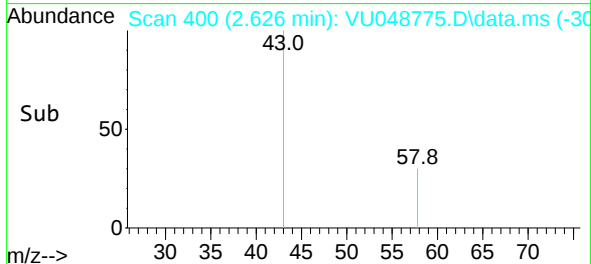
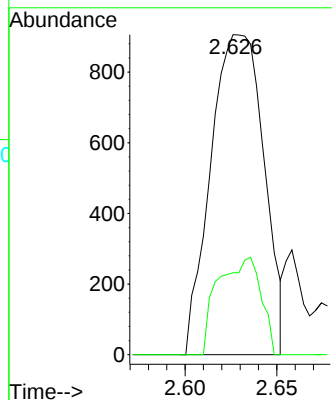
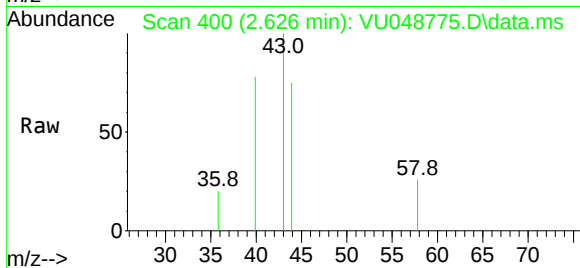
VU0601MBL01

Tgt Ion: 43 Resp: 1825

Ion Ratio Lower Upper

43 100

58 25.6 26.3 39.5#



#17

Carbon Disulfide

Concen: 0.215 ug/l

RT: 2.790 min Scan# 451

Delta R.T. -0.003 min

Lab File: VU048775.D

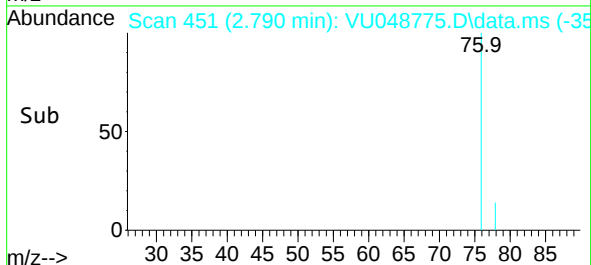
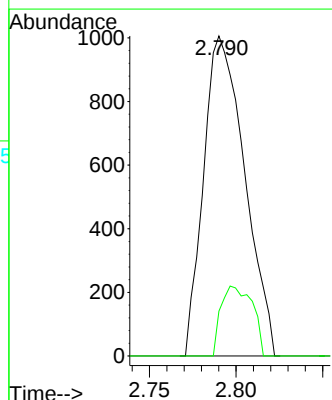
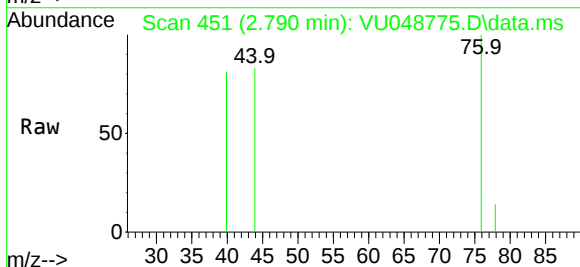
Acq: 01 Jun 2022 12:19

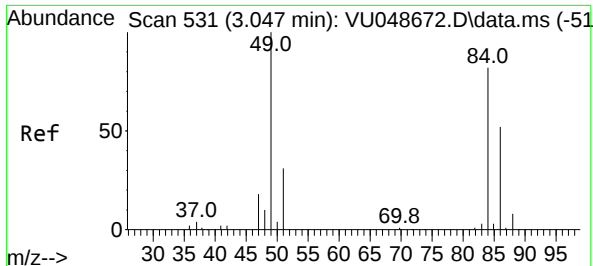
Tgt Ion: 76 Resp: 1657

Ion Ratio Lower Upper

76 100

78 14.0 7.3 10.9#

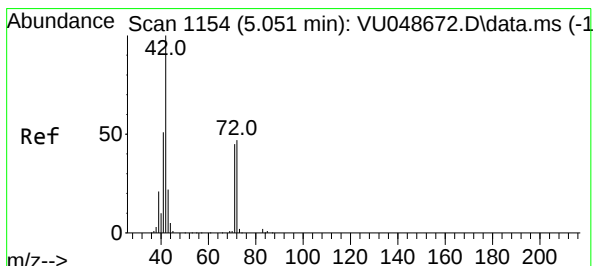
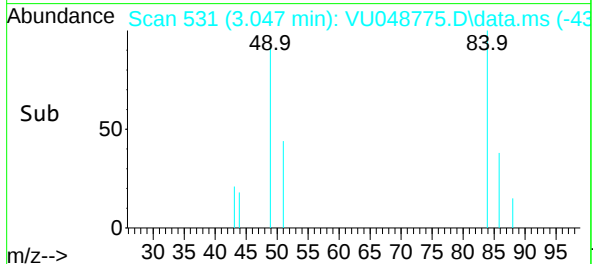
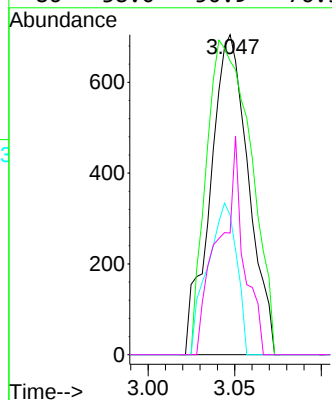
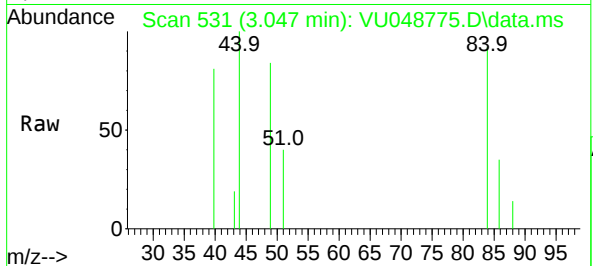




#20
Methylene Chloride
Concen: 0.320 ug/l
RT: 3.047 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU048775.D
Acq: 01 Jun 2022 12:19

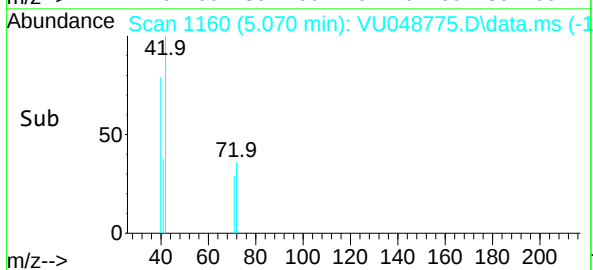
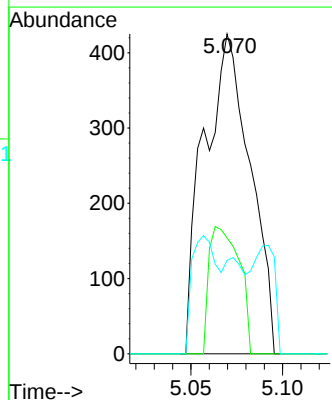
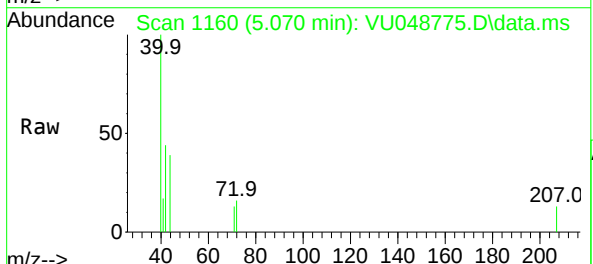
Instrument :
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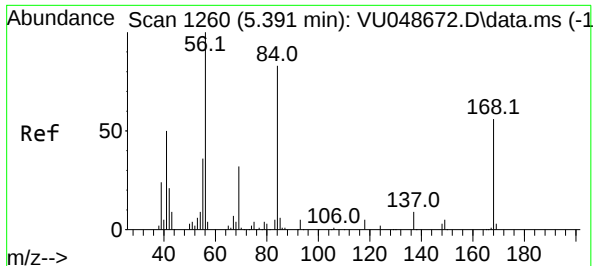
Tgt Ion:	84	Resp:	1081
Ion	Ratio	Lower	Upper
84	100		
49	91.8	97.0	145.4#
51	43.7	29.8	44.8
86	38.0	50.9	76.3#



#29
Tetrahydrofuran
Concen: 0.413 ug/l
RT: 5.070 min Scan# 1160
Delta R.T. 0.019 min
Lab File: VU048775.D
Acq: 01 Jun 2022 12:19

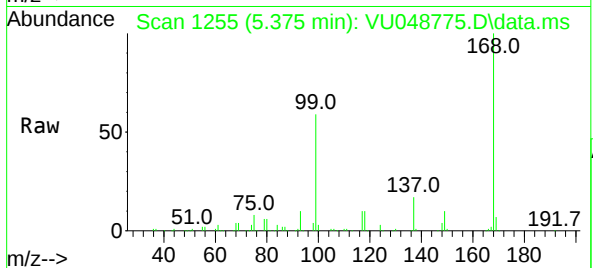
Tgt Ion:	42	Resp:	741
Ion	Ratio	Lower	Upper
42	100		
72	26.0	37.6	56.4#
71	21.1	35.0	52.4#



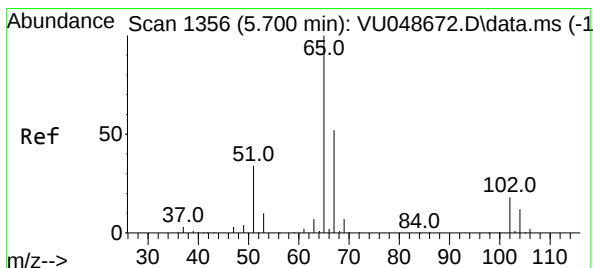
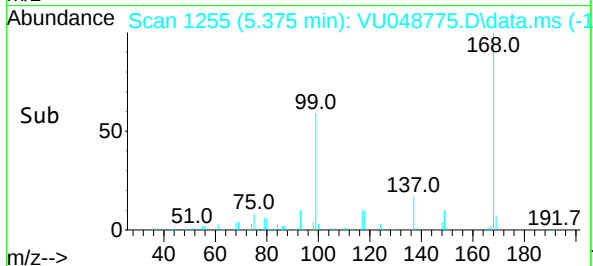
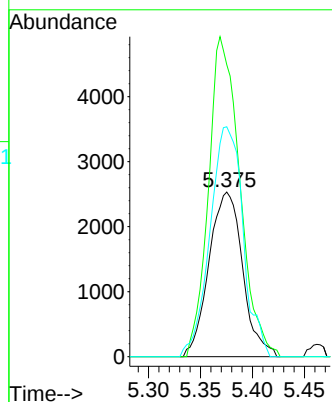


#31
Cyclohexane
Concen: 1.163 ug/l
RT: 5.375 min Scan# 11
Delta R.T. -0.016 min
Lab File: VU048775.D
Acq: 01 Jun 2022 12:19

Instrument :
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VU0601MBL01

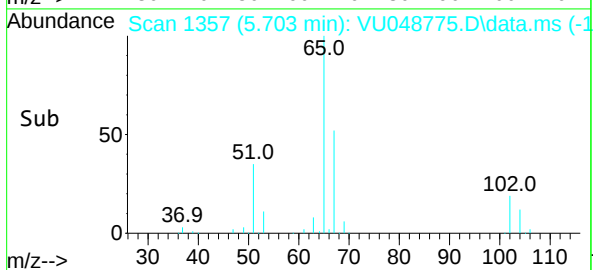
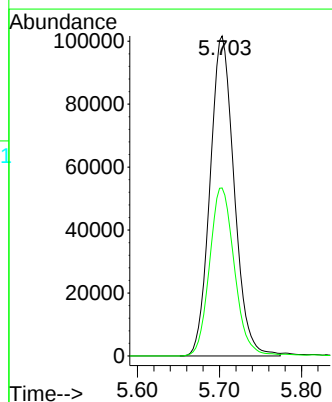
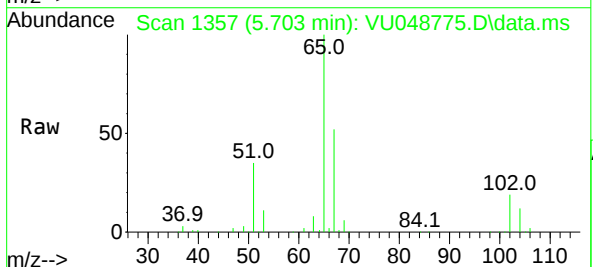


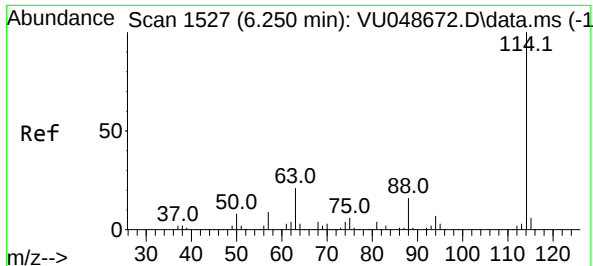
Tgt Ion: 56 Resp: 5709
Ion Ratio Lower Upper
56 100
69 177.3 25.6 38.4#
84 139.5 66.2 99.4#



#33
1,2-Dichloroethane-d4
Concen: 53.448 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. 0.003 min
Lab File: VU048775.D
Acq: 01 Jun 2022 12:19

Tgt Ion: 65 Resp: 208114
Ion Ratio Lower Upper
65 100
67 54.0 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU048775.D

Acq: 01 Jun 2022 12:19

Instrument :

MSVOA_U

ClientSampleId :

VU0601MBL01

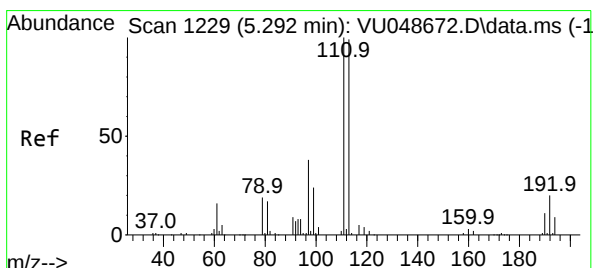
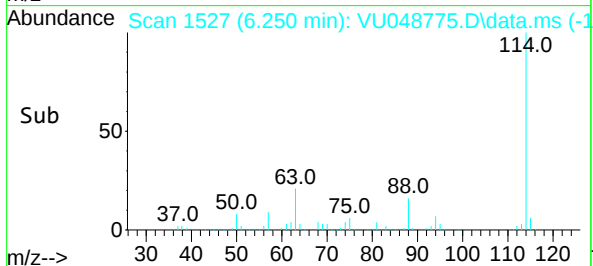
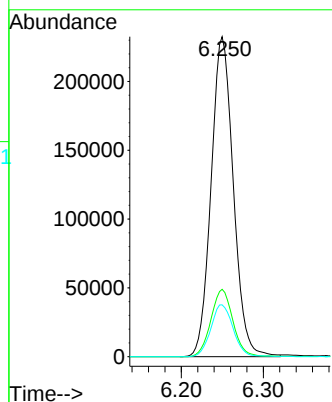
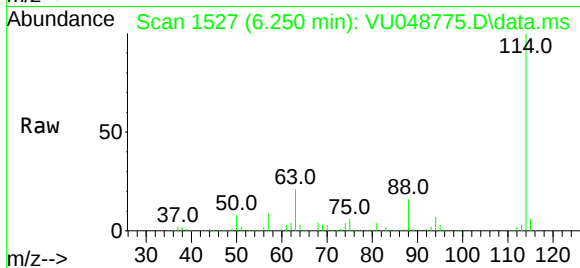
Tgt Ion:114 Resp: 437893

Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.6

88 16.2 0.0 32.2



#35

Dibromofluoromethane

Concen: 53.237 ug/l

RT: 5.288 min Scan# 1228

Delta R.T. -0.003 min

Lab File: VU048775.D

Acq: 01 Jun 2022 12:19

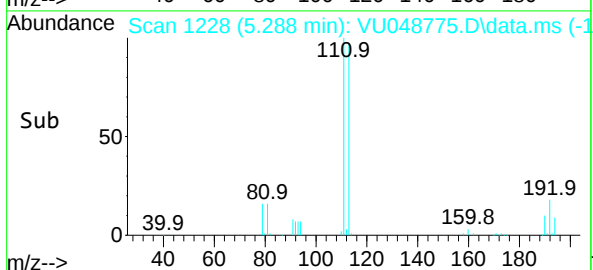
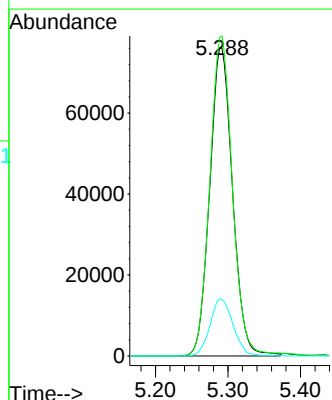
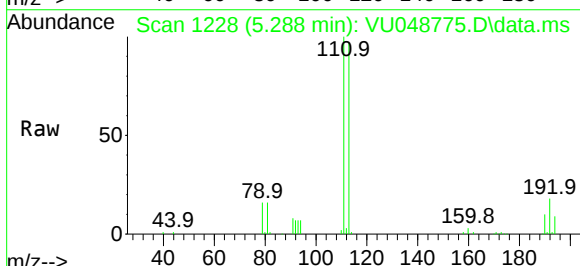
Tgt Ion:113 Resp: 166315

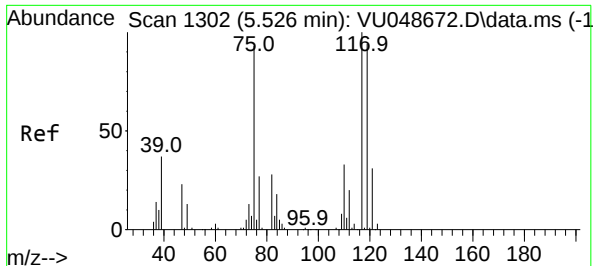
Ion Ratio Lower Upper

113 100

111 102.6 80.7 121.1

192 18.8 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.591 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.154 min

Lab File: VU048775.D

Acq: 01 Jun 2022 12:19

Instrument :

MSVOA_U

ClientSampleId :

VU0601MBL01

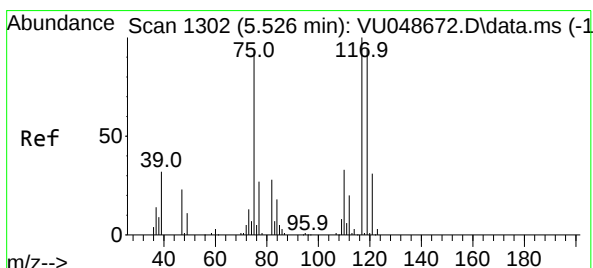
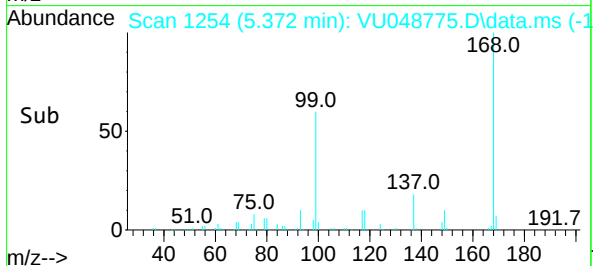
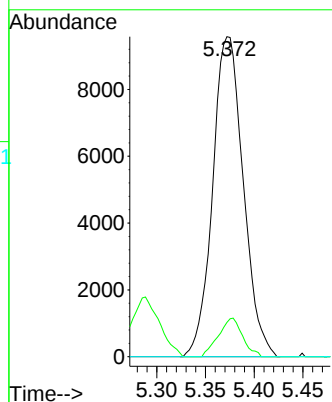
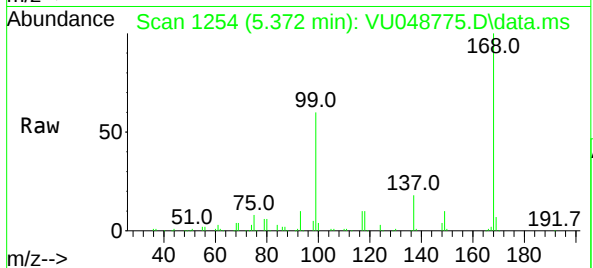
Tgt Ion: 75 Resp: 20933

Ion Ratio Lower Upper

75 100

110 9.5 17.4 52.3#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.027 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.151 min

Lab File: VU048775.D

Acq: 01 Jun 2022 12:19

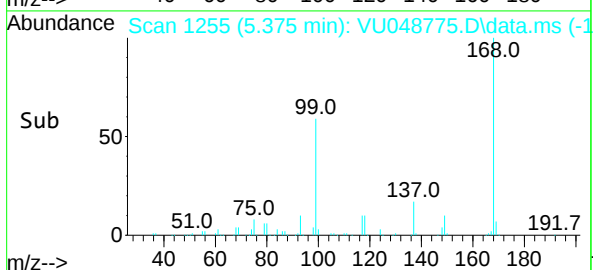
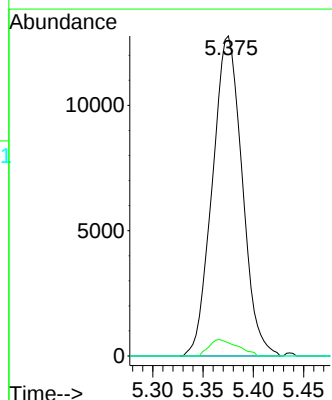
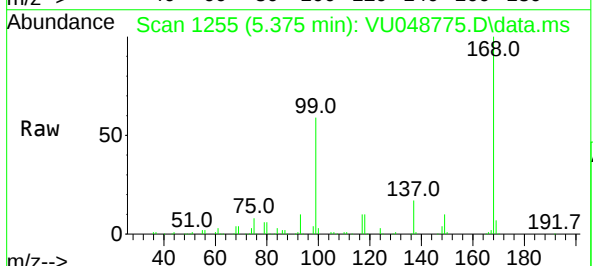
Tgt Ion: 117 Resp: 26298

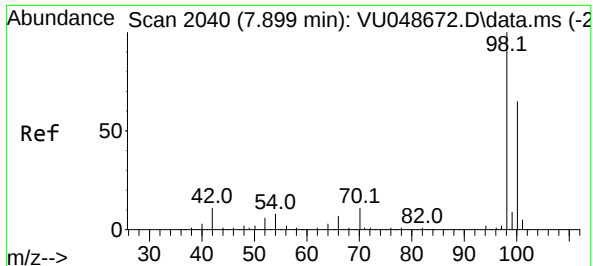
Ion Ratio Lower Upper

117 100

119 4.1 75.4 113.2#

121 0.0 24.6 36.8#

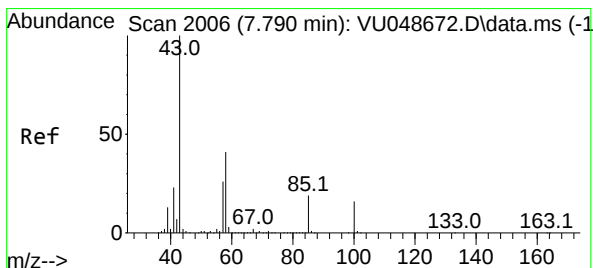
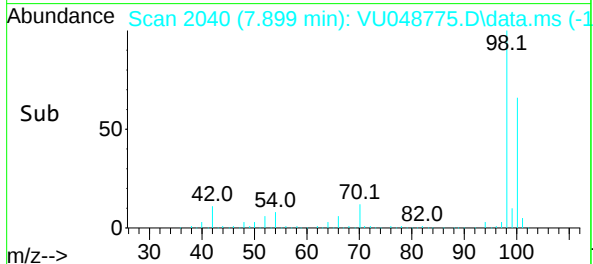
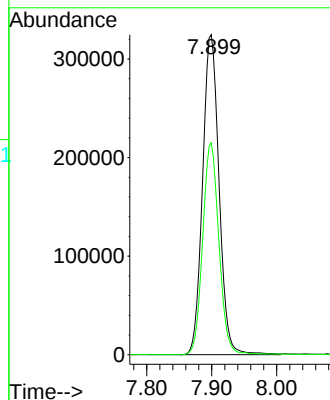
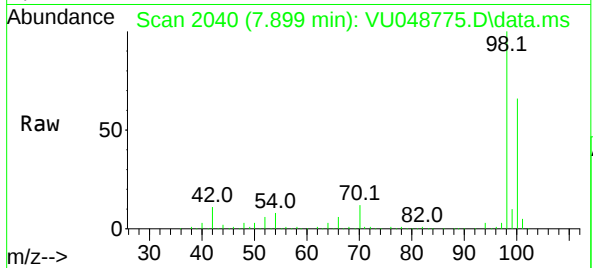




#50
Toluene-d8
Concen: 51.237 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU048775.D
Acq: 01 Jun 2022 12:19

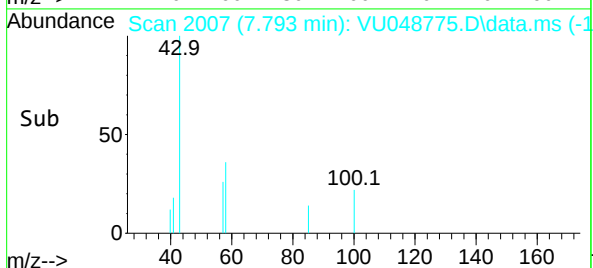
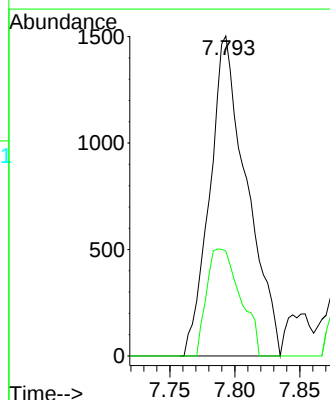
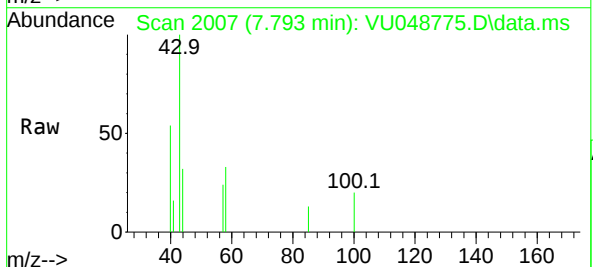
Instrument :
MSVOA_U
ClientSampleId :
VU0601MBL01

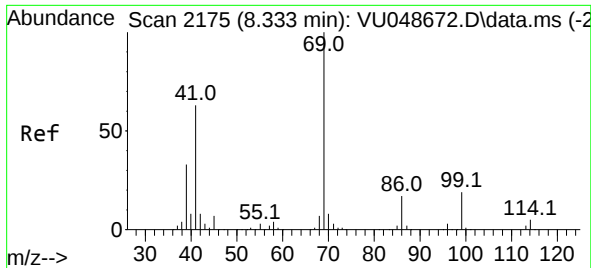
Tgt Ion: 98 Resp: 573782
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.547 ug/l
RT: 7.793 min Scan# 2007
Delta R.T. 0.003 min
Lab File: VU048775.D
Acq: 01 Jun 2022 12:19

Tgt Ion: 43 Resp: 2974
Ion Ratio Lower Upper
43 100
58 30.3 32.7 49.1#

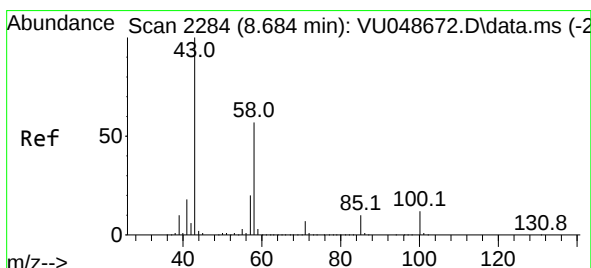
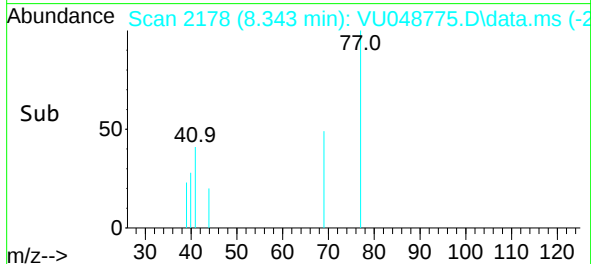
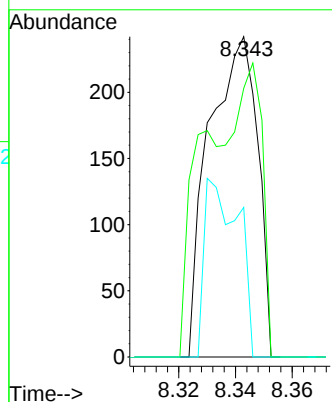
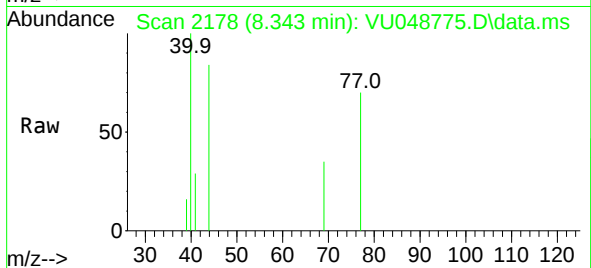




#56
Ethyl methacrylate
Concen: 2.662 ug/l
RT: 8.343 min Scan# 2175
Delta R.T. 0.010 min
Lab File: VU048775.D
Acq: 01 Jun 2022 12:19

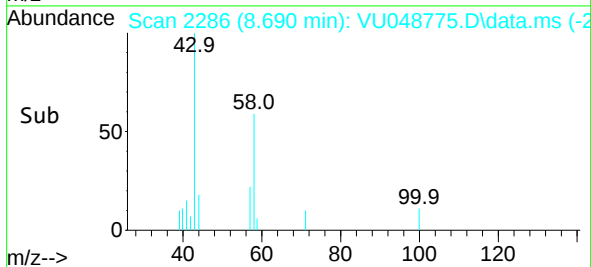
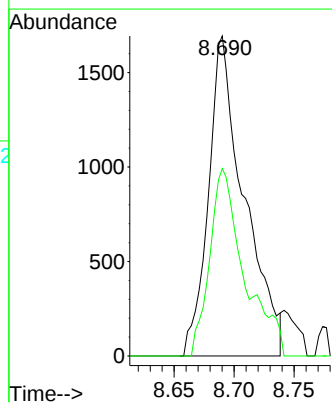
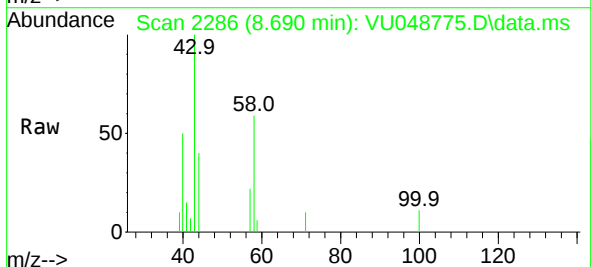
Instrument :
MSVOA_U
ClientSampleId :
VU0601MBL01

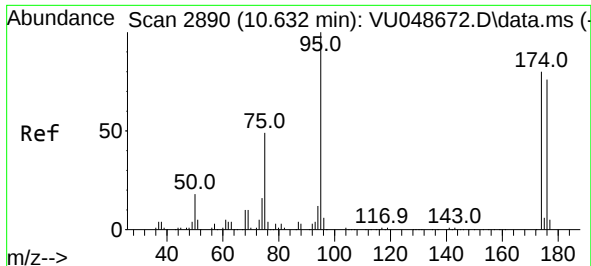
Tgt Ion: 69 Resp: 286
Ion Ratio Lower Upper
69 100
41 52.1 50.6 76.0
39 0.0 26.6 40.0#



#59
2-Hexanone
Concen: 0.788 ug/l
RT: 8.690 min Scan# 2286
Delta R.T. 0.006 min
Lab File: VU048775.D
Acq: 01 Jun 2022 12:19

Tgt Ion: 43 Resp: 3515
Ion Ratio Lower Upper
43 100
58 56.4 28.2 84.6

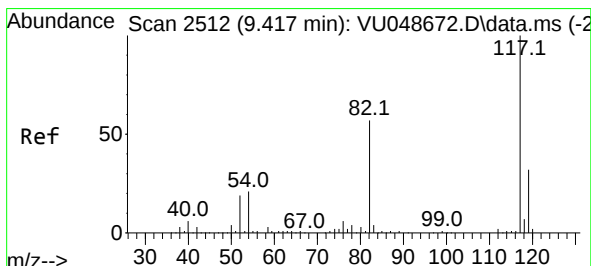
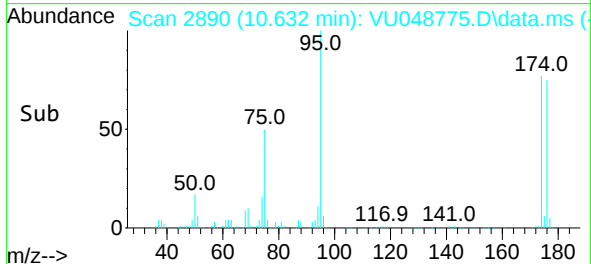
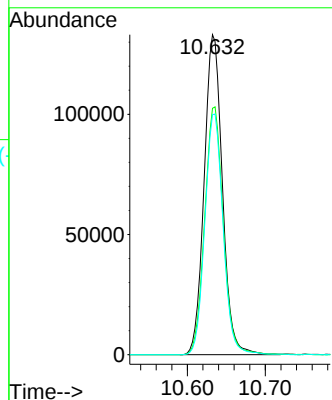
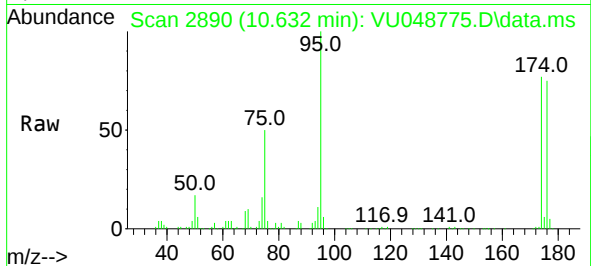




#62
4-Bromofluorobenzene
Concen: 51.140 ug/l
RT: 10.632 min Scan# 216585
Delta R.T. -0.000 min
Lab File: VU048775.D
Acq: 01 Jun 2022 12:19

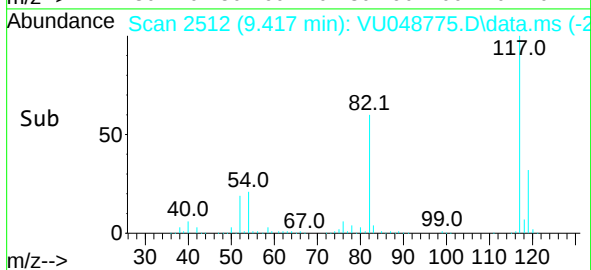
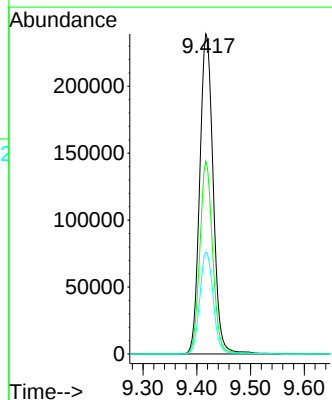
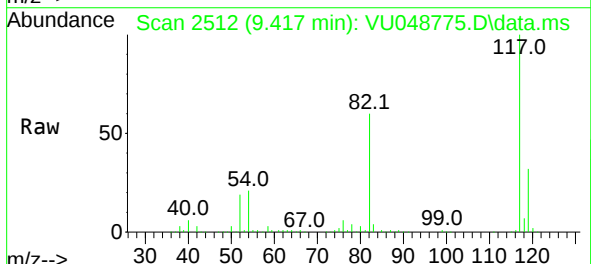
Instrument :
MSVOA_U
ClientSampleId :
VU0601MBL01

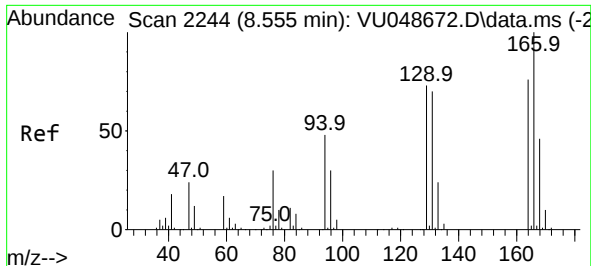
Tgt Ion: 95 Resp: 216585
Ion Ratio Lower Upper
95 100
174 79.0 0.0 159.4
176 75.2 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048775.D
Acq: 01 Jun 2022 12:19

Tgt Ion: 117 Resp: 414228
Ion Ratio Lower Upper
117 100
82 60.3 45.3 67.9
119 31.9 25.4 38.2

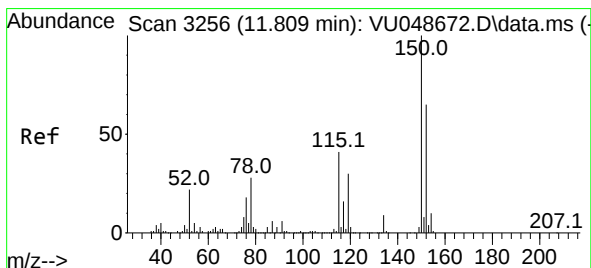
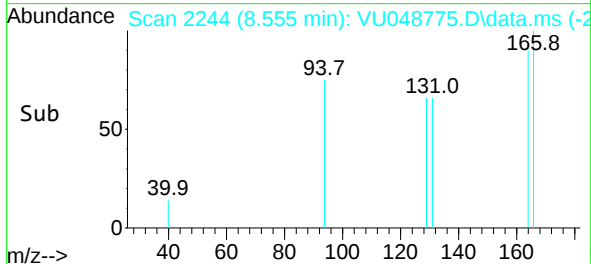
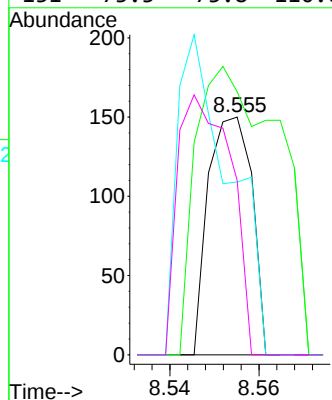
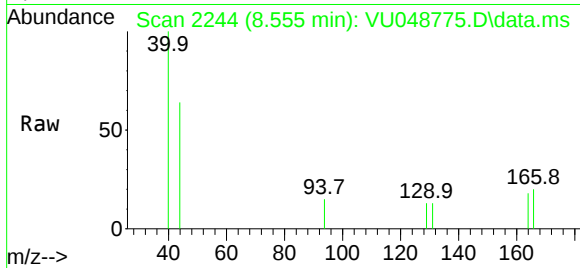




#64
Tetrachloroethene
Concen: Below Cal
RT: 8.555 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048775.D
Acq: 01 Jun 2022 12:19

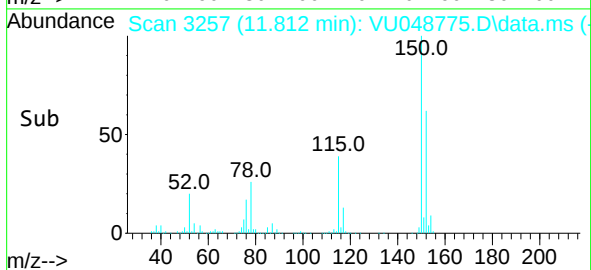
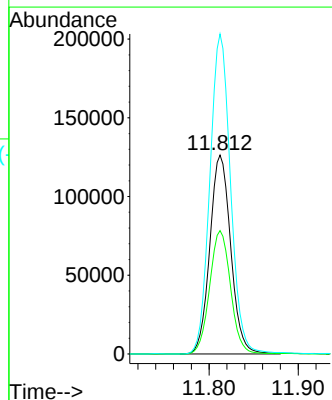
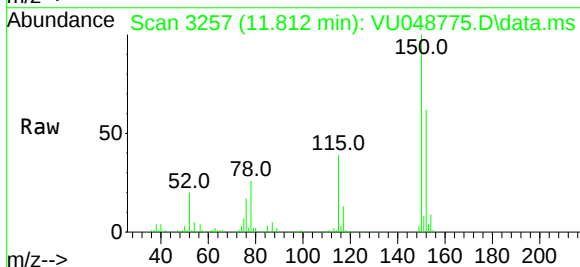
Instrument :
MSVOA_U
ClientSampleId :
VU0601MBL01

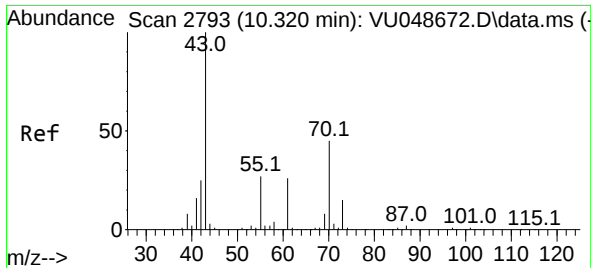
Tgt Ion:164	Resp:	102
Ion	Ratio	Lower Upper
164	100	
166	110.7	105.0 157.4
129	72.7	76.5 114.7#
131	73.3	73.8 110.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048775.D
Acq: 01 Jun 2022 12:19

Tgt Ion:152	Resp:	206140
Ion	Ratio	Lower Upper
152	100	
115	61.8	41.8 125.4
150	159.1	0.0 341.0

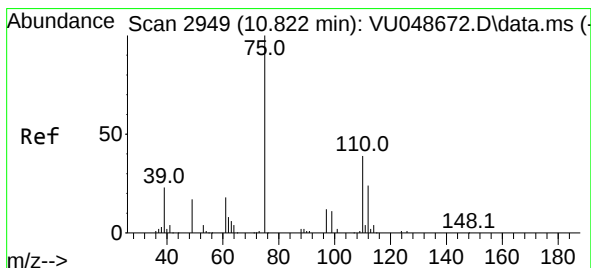
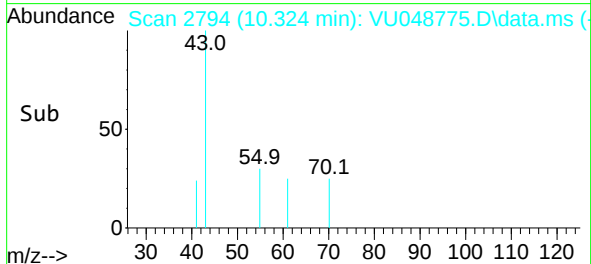
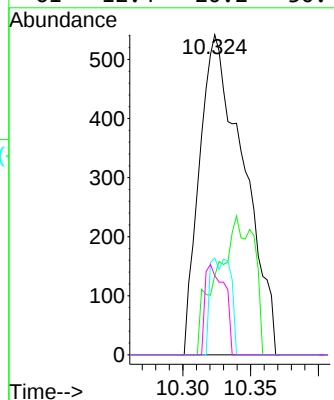
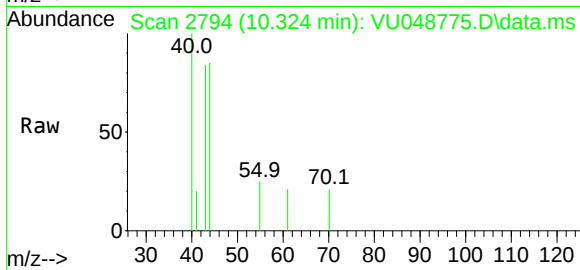




#74
N-amy1 acetate
Concen: 2.639 ug/l
RT: 10.324 min Scan# 21
Delta R.T. 0.004 min
Lab File: VU048775.D
Acq: 01 Jun 2022 12:19

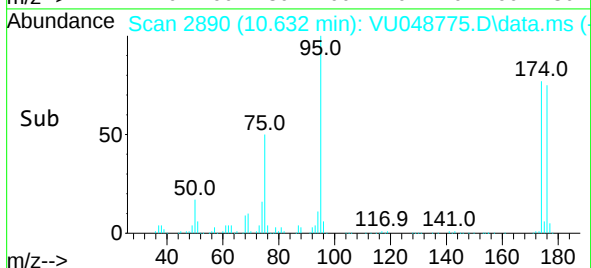
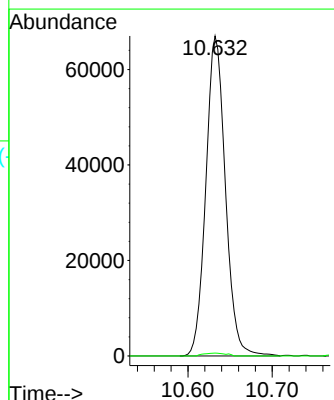
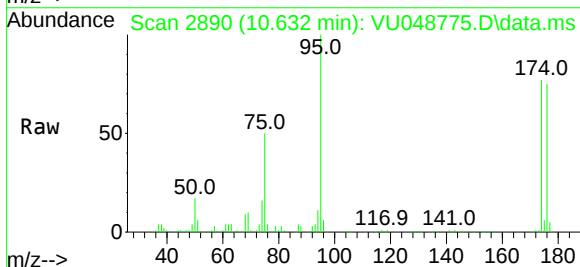
Instrument :
MSVOA_U
ClientSampleId :
VU0601MBL01

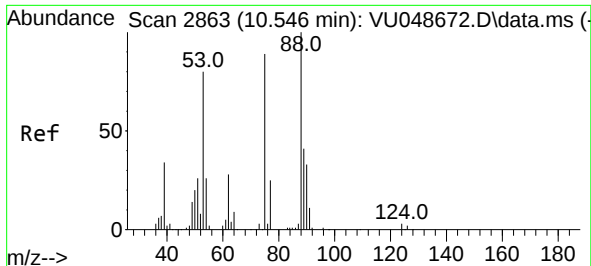
Tgt Ion: 43	Resp: 1220
Ion Ratio	Lower Upper
43 100	
70 36.6	35.8 53.6
55 14.4	21.1 31.7#
61 12.4	20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 16.282 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048775.D
Acq: 01 Jun 2022 12:19

Tgt Ion: 75	Resp: 108216
Ion Ratio	Lower Upper
75 100	
77 1.0	14.8 44.3#

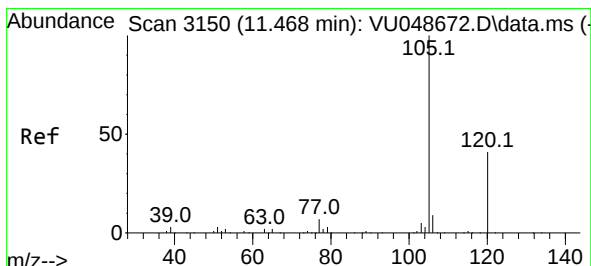
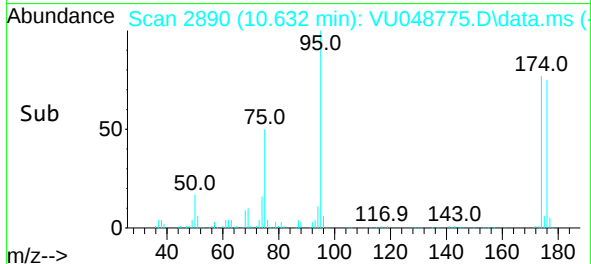
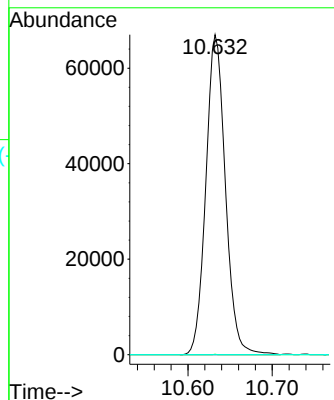
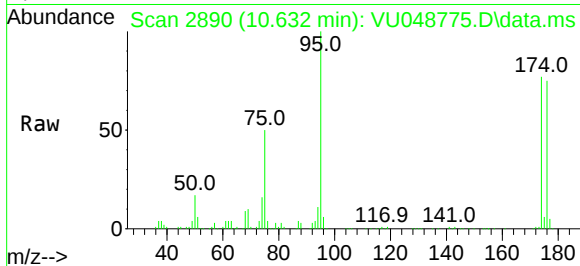




#81
trans-1,4-Dichloro-2-butene
Concen: 59.117 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU048775.D
Acq: 01 Jun 2022 12:19

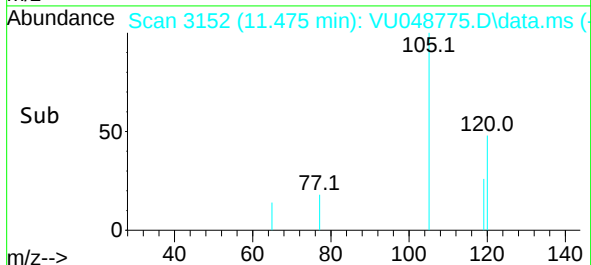
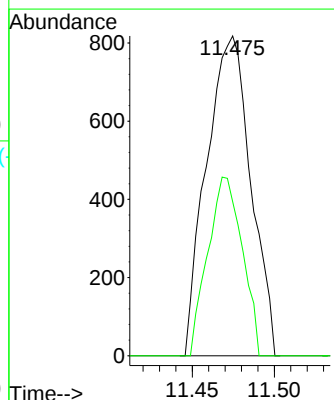
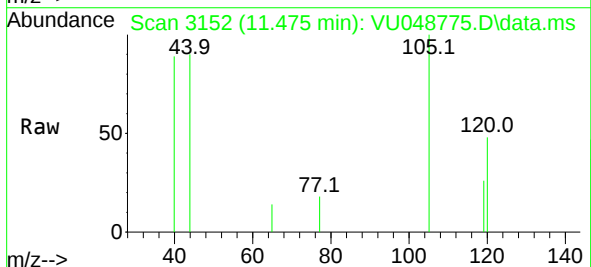
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MSVOA_U
ClientSampleId :
VU0601MBL01

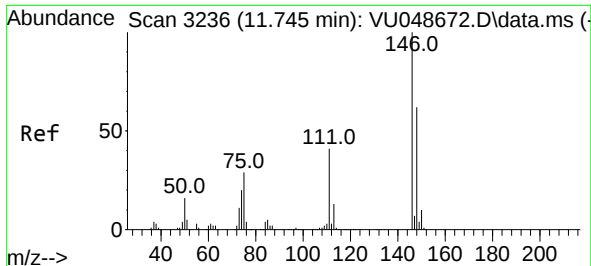
Tgt Ion: 75 Resp: 108216
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.307 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. 0.007 min
Lab File: VU048775.D
Acq: 01 Jun 2022 12:19

Tgt Ion: 105 Resp: 1530
Ion Ratio Lower Upper
105 100
120 43.5 22.5 67.5





#87

1,3-Dichlorobenzene

Concen: 0.205 ug/l

RT: 11.748 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU048775.D

Acq: 01 Jun 2022 12:19

Instrument :

MSVOA_U

ClientSampleId :

VU0601MBL01

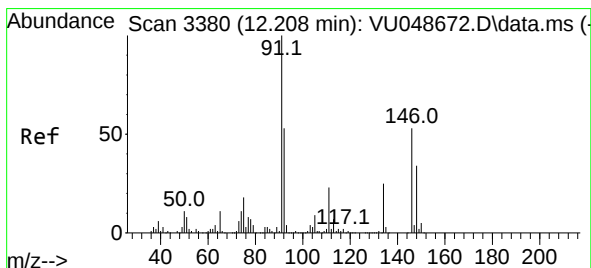
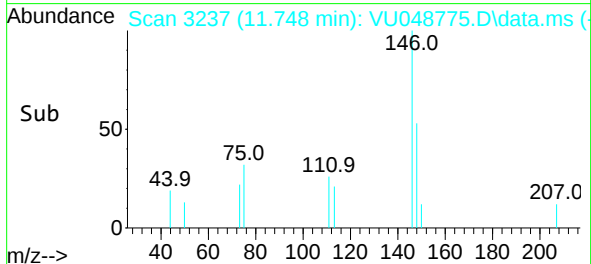
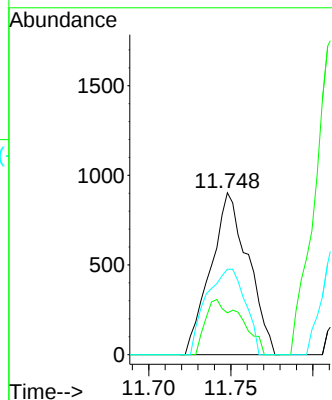
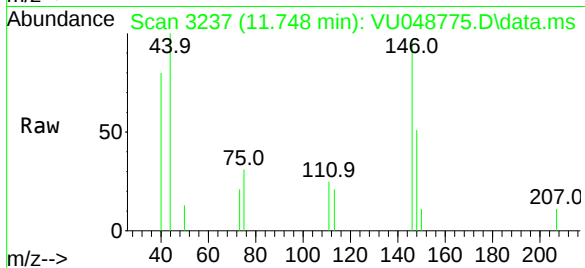
Tgt Ion:146 Resp: 1435

Ion Ratio Lower Upper

146 100

111 32.6 20.6 61.9

148 54.5 31.6 95.0



#89

n-Butylbenzene

Concen: 2.368 ug/l

RT: 12.214 min Scan# 3382

Delta R.T. 0.006 min

Lab File: VU048775.D

Acq: 01 Jun 2022 12:19

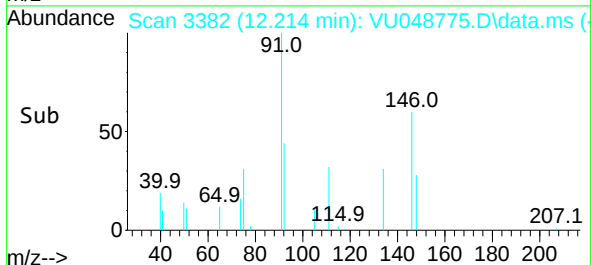
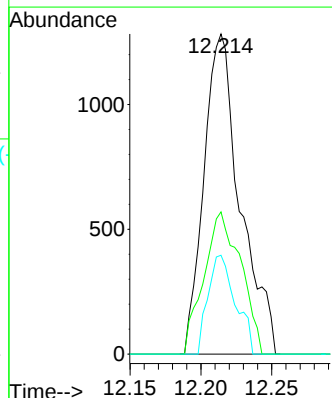
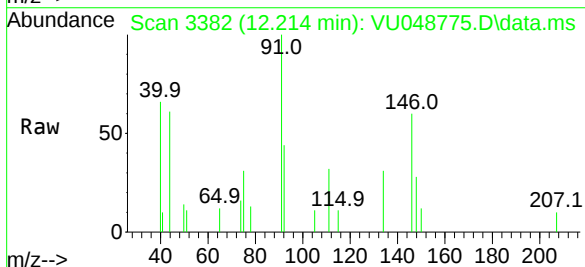
Tgt Ion: 91 Resp: 2279

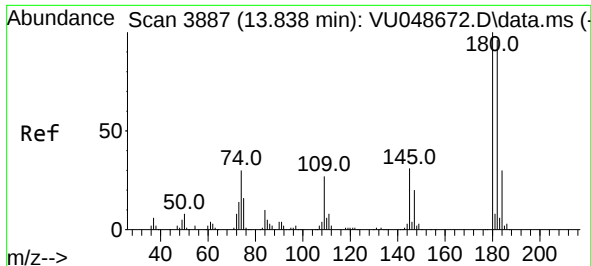
Ion Ratio Lower Upper

91 100

92 45.4 25.9 77.8

134 23.4 12.5 37.5

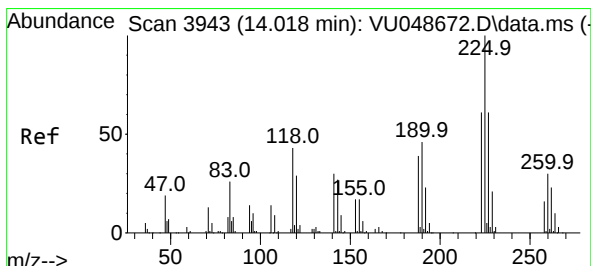
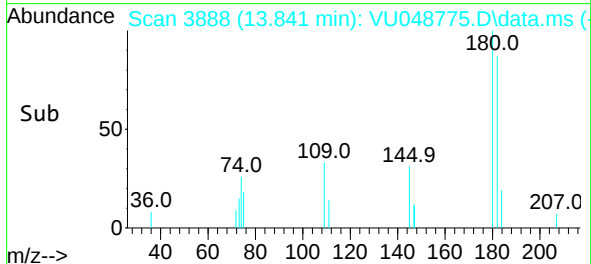
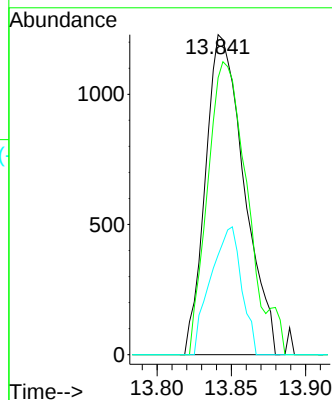
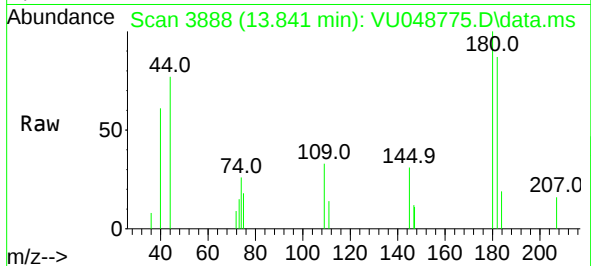




#93
1,2,4-Trichlorobenzene
Concen: 0.478 ug/l
RT: 13.841 min Scan# 3887
Delta R.T. 0.003 min
Lab File: VU048775.D
Acq: 01 Jun 2022 12:19

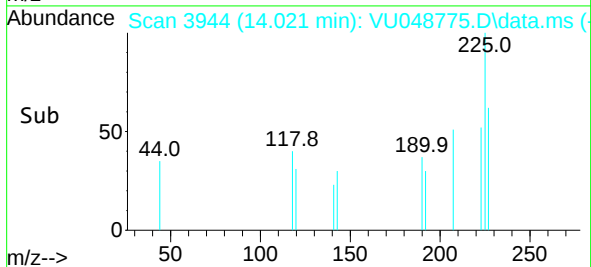
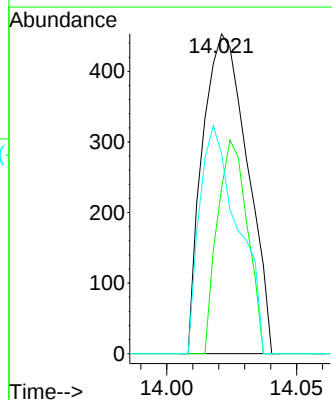
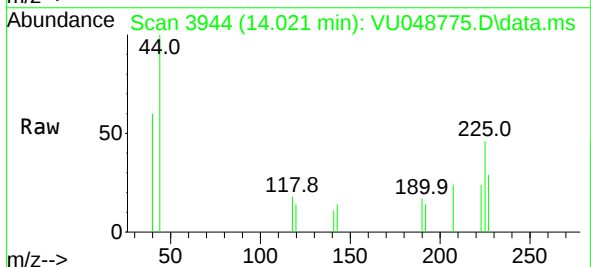
Instrument :
MSVOA_U
ClientSampleId :
VU0601MBL01

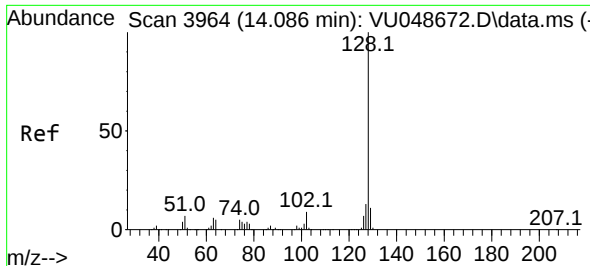
Tgt Ion:180 Resp: 2219
Ion Ratio Lower Upper
180 100
182 94.8 48.3 144.9
145 31.9 15.6 46.7



#94
Hexachlorobutadiene
Concen: 0.243 ug/l
RT: 14.021 min Scan# 3944
Delta R.T. 0.003 min
Lab File: VU048775.D
Acq: 01 Jun 2022 12:19

Tgt Ion:225 Resp: 541
Ion Ratio Lower Upper
225 100
223 44.7 30.9 92.8
227 61.6 31.1 93.5

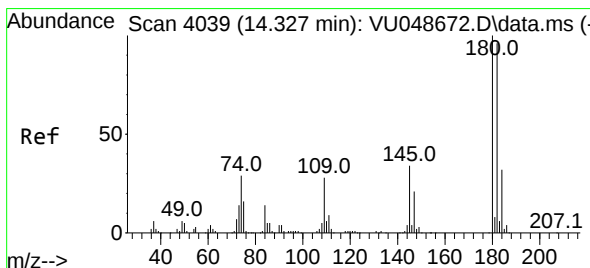
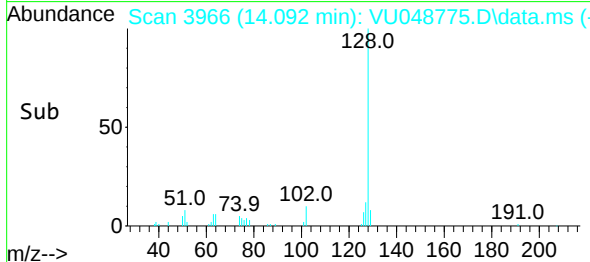
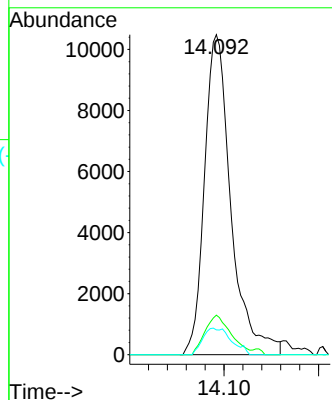
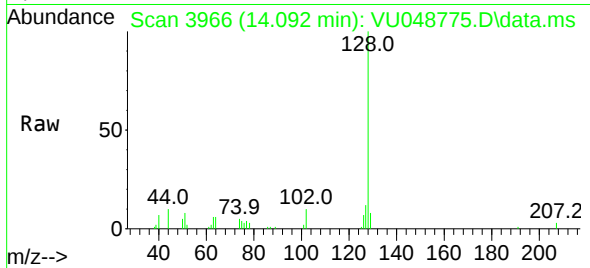




#95
Naphthalene
Concen: 3.727 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VU048775.D
Acq: 01 Jun 2022 12:19

Instrument :
MSVOA_U
ClientSampleId :
VU0601MBL01

Tgt Ion:128	Resp:	20413
Ion Ratio	Lower	Upper
128	100	
127	12.1	10.2 15.4
129	8.9	8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.575 ug/l
RT: 14.336 min Scan# 4042
Delta R.T. 0.010 min
Lab File: VU048775.D
Acq: 01 Jun 2022 12:19

Tgt Ion:180	Resp:	2645
Ion Ratio	Lower	Upper
180	100	
182	97.4	47.4 142.2
145	34.8	16.6 49.8

