

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053122\
 Data File : VU048756.D
 Acq On : 31 May 2022 22:39
 Operator : SY/MD
 Sample : VU0531MBL02
 Misc : 5.00g/10.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0531MBL02

Quant Time: Jun 01 02:24:53 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)

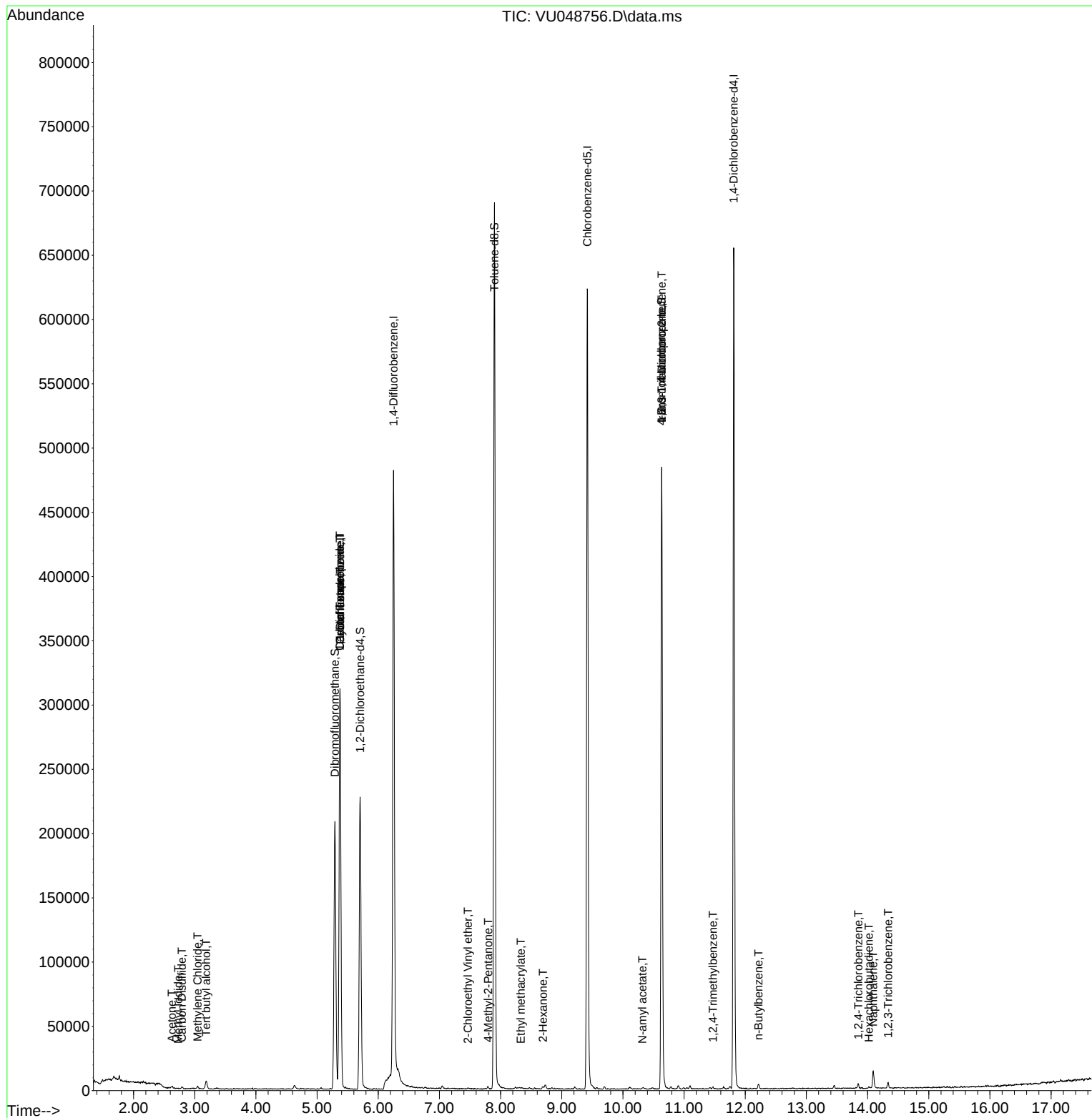
Internal Standards						
1) Pentafluorobenzene	5.375	168	211750	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	375105	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	352725	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	174344	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	174507	54.875	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.760%			
35) Dibromofluoromethane	5.292	113	136337	50.946	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.900%			
50) Toluene-d8	7.899	98	454392	47.368	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.740%			
62) 4-Bromofluorobenzene	10.632	95	166720	45.955	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.900%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.864	94	298	Below Cal	#	60
6) Chloroethane	1.928	64	293	Below Cal	#	43
10) Methyl Iodide	2.732	142	19	3.010	ug/l #	37
11) Tert butyl alcohol	3.186	59	3559	4.414	ug/l #	28
13) Acrolein	2.485	56	24	Below Cal	#	1
16) Acetone	2.626	43	1639	1.011	ug/l	90
17) Carbon Disulfide	2.790	76	1770	0.281	ug/l	96
20) Methylene Chloride	3.044	84	850	0.308	ug/l #	94
31) Cyclohexane	5.375	56	5039	1.257	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	17605	4.508	ug/l #	50
38) Carbon Tetrachloride	5.372	117	22083	4.928	ug/l #	17
51) 4-Methyl-2-Pentanone	7.796	43	1723	0.370	ug/l #	60
56) Ethyl methacrylate	8.330	69	85	2.630	ug/l #	25
58) 2-Chloroethyl Vinyl ether	7.465	63	105	29.843	ug/l #	47
59) 2-Hexanone	8.693	43	2066	0.541	ug/l	81
64) Tetrachloroethene	8.555	164	19	Below Cal	#	57
74) N-amyl acetate	10.317	43	367	2.528	ug/l #	55
76) 1,2,3-Trichloropropane	10.635	75	86258	15.345	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.635	75	86258	55.715	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.471	105	1392	1.316	ug/l	93
89) n-Butylbenzene	12.214	91	1564	2.333	ug/l #	69
93) 1,2,4-Trichlorobenzene	13.848	180	1640	0.417	ug/l	95
94) Hexachlorobutadiene	14.021	225	508	0.270	ug/l #	62
95) Naphthalene	14.092	128	12198	3.376	ug/l	97
96) 1,2,3-Trichlorobenzene	14.336	180	1787	0.459	ug/l	99

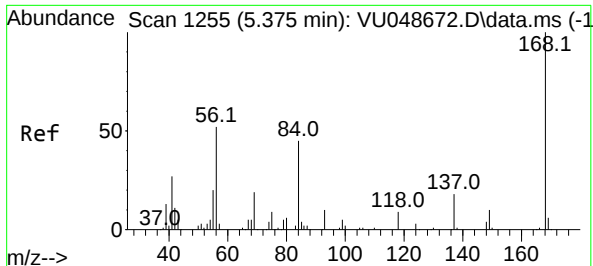
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053122\
Data File : VU048756.D
Acq On : 31 May 2022 22:39
Operator : SY/MD
Sample : VU0531MBL02
Misc : 5.00g/10.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0531MBL02

Quant Time: Jun 01 02:24:53 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

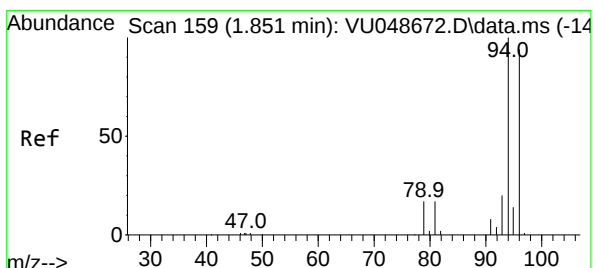
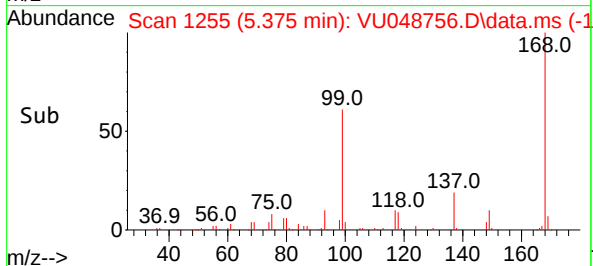
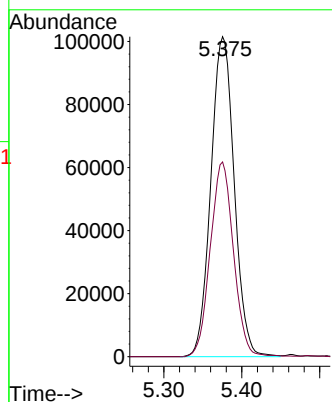
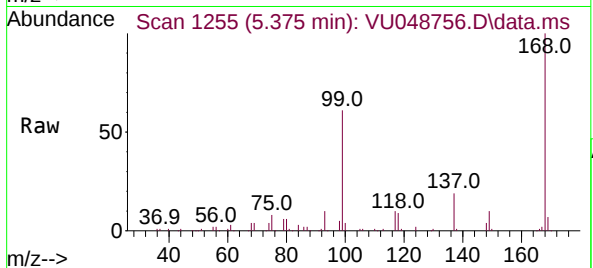




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048756.D
Acq: 31 May 2022 22:39

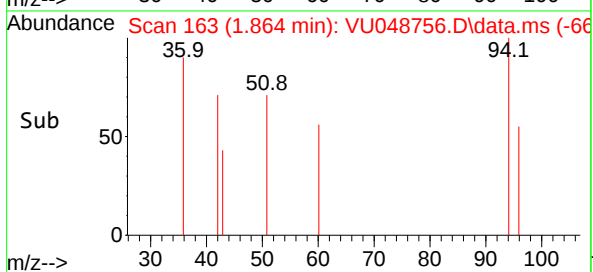
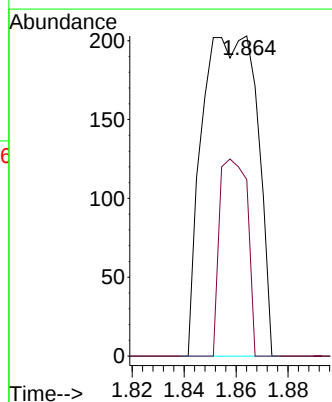
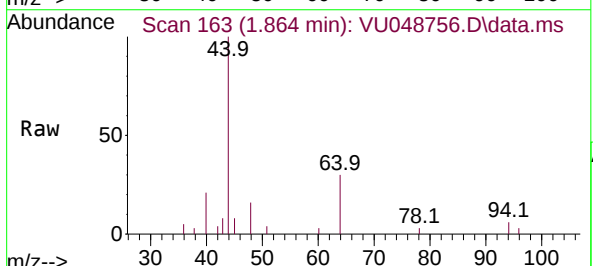
Instrument :
MSVOA_U
ClientSampleId :
VU0531MBL02

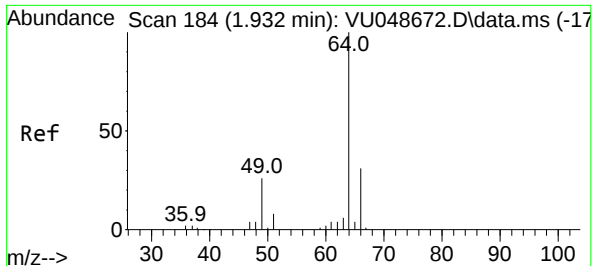
Tgt Ion:168 Resp: 211750
Ion Ratio Lower Upper
168 100
99 60.8 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 1.864 min Scan# 163
Delta R.T. 0.013 min
Lab File: VU048756.D
Acq: 31 May 2022 22:39

Tgt Ion: 94 Resp: 298
Ion Ratio Lower Upper
94 100
96 55.2 75.1 112.7#

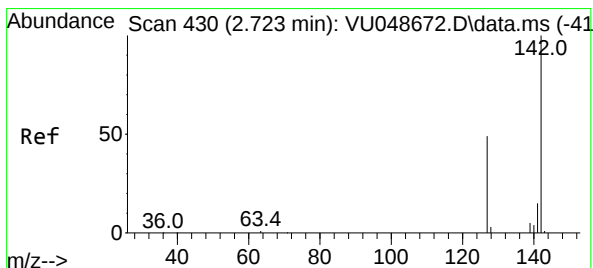
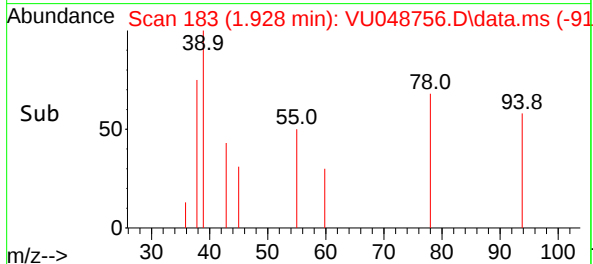
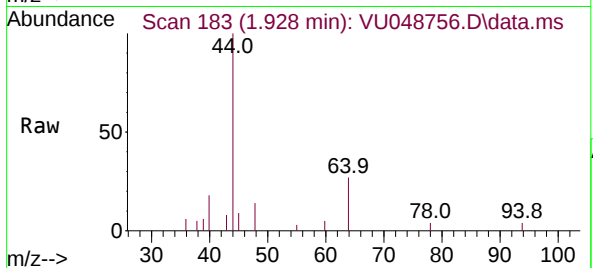




#6
Chloroethane
Concen: Below Cal
RT: 1.928 min Scan# 184
Delta R.T. -0.004 min
Lab File: VU048756.D
Acq: 31 May 2022 22:39

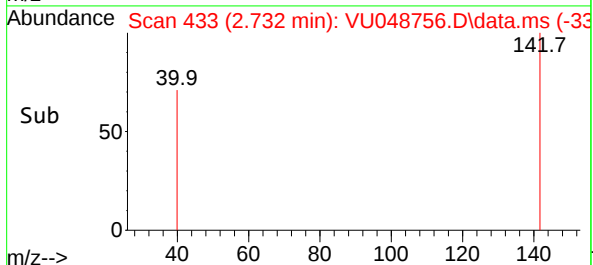
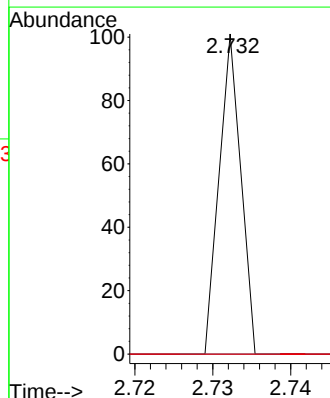
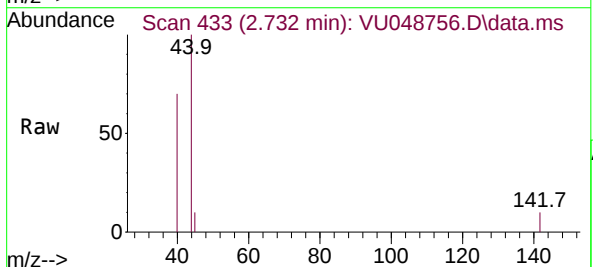
Instrument :
MSVOA_U
ClientSampleId :
VU0531MBL02

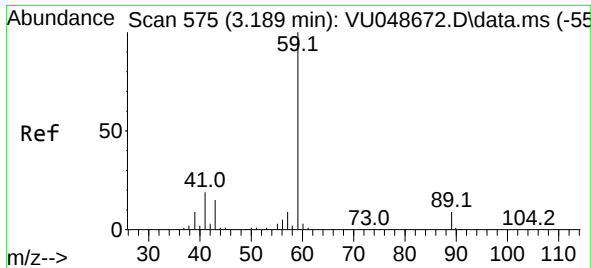
Tgt Ion: 64 Resp: 293
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#



#10
Methyl Iodide
Concen: 3.010 ug/l
RT: 2.732 min Scan# 433
Delta R.T. 0.009 min
Lab File: VU048756.D
Acq: 31 May 2022 22:39

Tgt Ion:142 Resp: 19
Ion Ratio Lower Upper
142 100
127 0.0 38.4 57.6#
141 0.0 11.5 17.3#

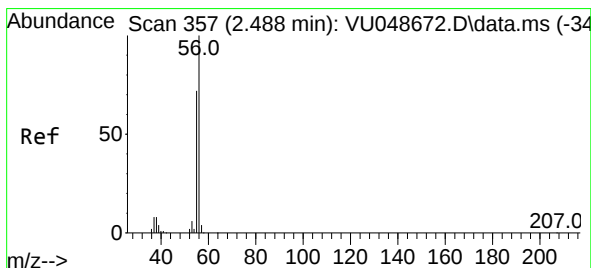
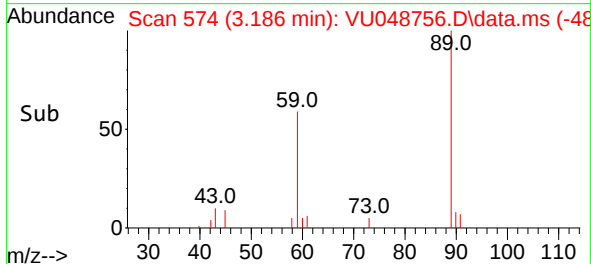
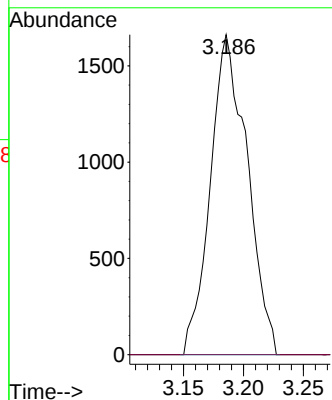
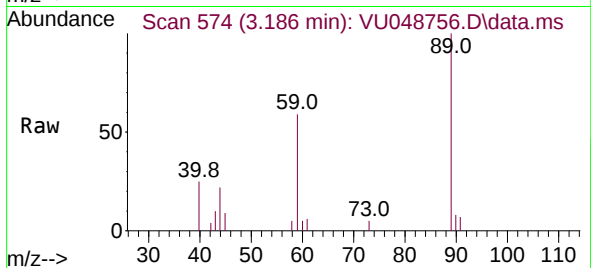




#11
Tert butyl alcohol
Concen: 4.414 ug/l
RT: 3.186 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU048756.D
Acq: 31 May 2022 22:39

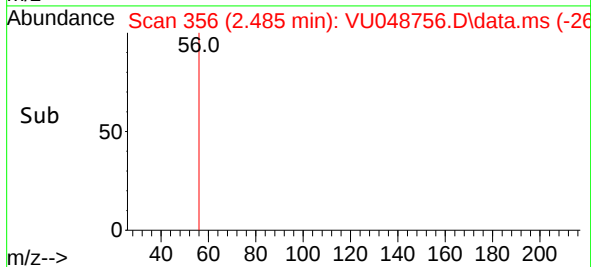
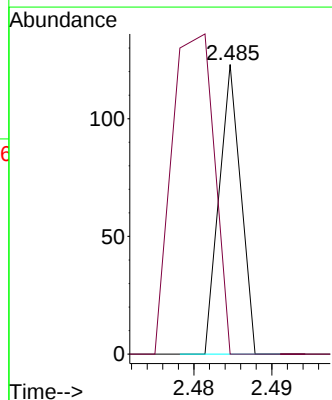
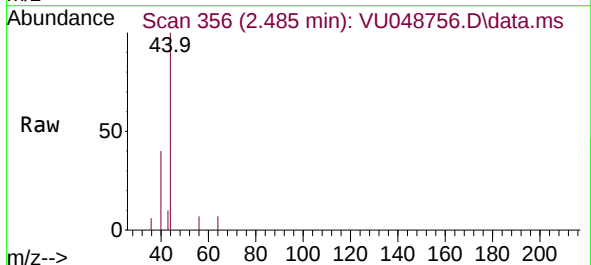
Instrument :
MSVOA_U
ClientSampleId :
VU0531MBL02

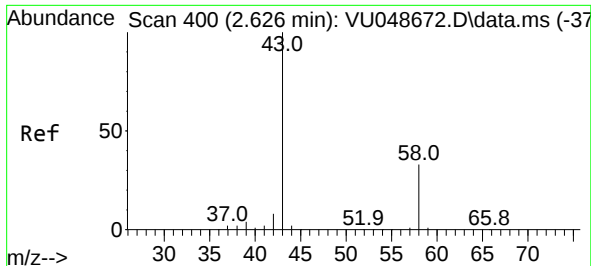
Tgt Ion: 59 Resp: 3559
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#



#13
Acrolein
Concen: Below Cal
RT: 2.485 min Scan# 356
Delta R.T. -0.003 min
Lab File: VU048756.D
Acq: 31 May 2022 22:39

Tgt Ion: 56 Resp: 24
Ion Ratio Lower Upper
56 100
55 212.5 57.7 86.5#

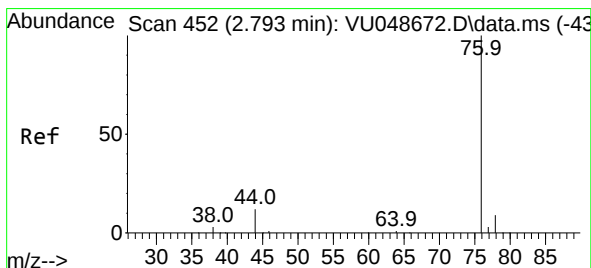
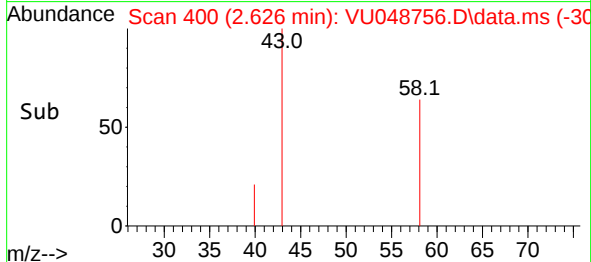
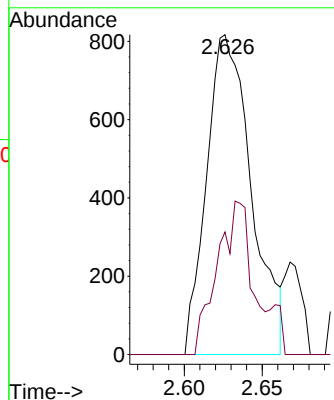
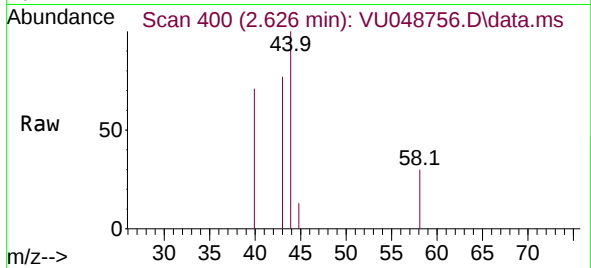




#16
Acetone
Concen: 1.011 ug/l
RT: 2.626 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU048756.D
Acq: 31 May 2022 22:39

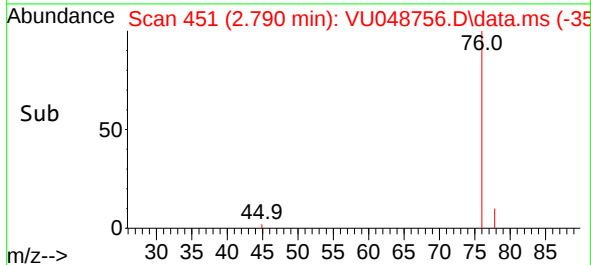
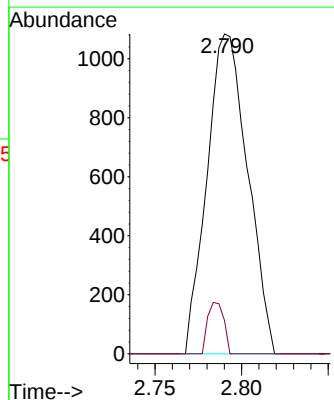
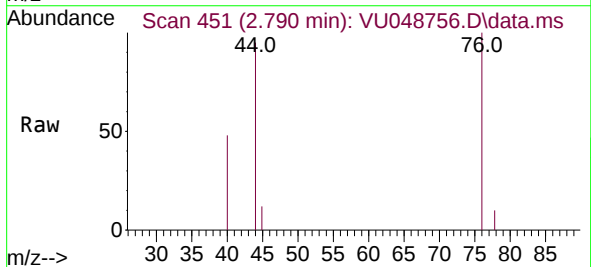
Instrument :
MSVOA_U
ClientSampleId :
VU0531MBL02

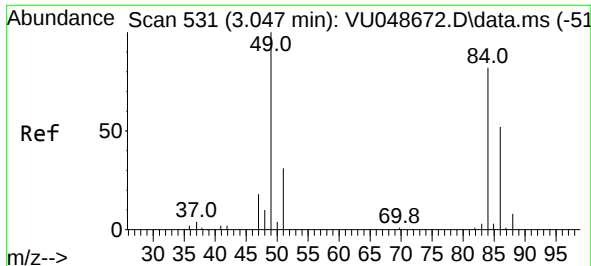
Tgt Ion: 43 Resp: 1639
Ion Ratio Lower Upper
43 100
58 38.3 26.3 39.5



#17
Carbon Disulfide
Concen: 0.281 ug/l
RT: 2.790 min Scan# 451
Delta R.T. -0.003 min
Lab File: VU048756.D
Acq: 31 May 2022 22:39

Tgt Ion: 76 Resp: 1770
Ion Ratio Lower Upper
76 100
78 10.4 7.3 10.9

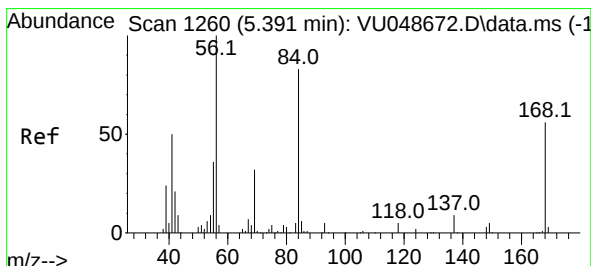
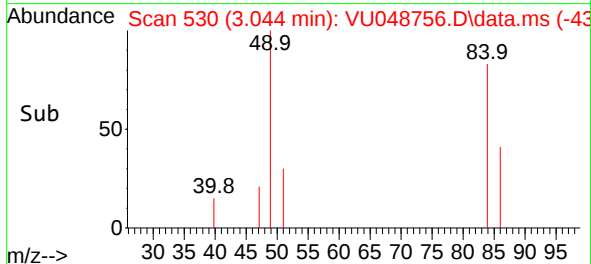
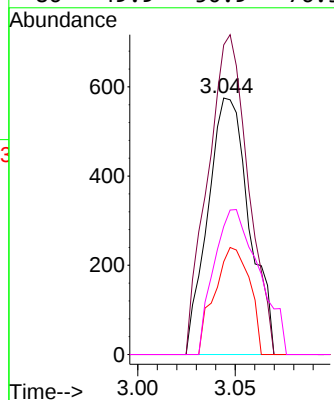
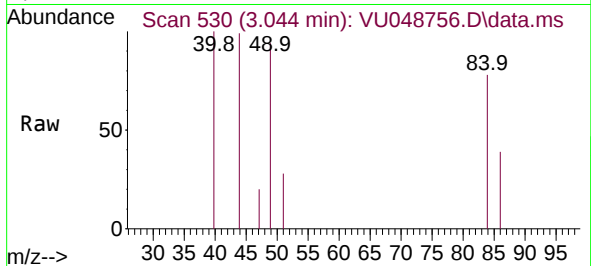




#20
Methylene Chloride
Concen: 0.308 ug/l
RT: 3.044 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU048756.D
Acq: 31 May 2022 22:39

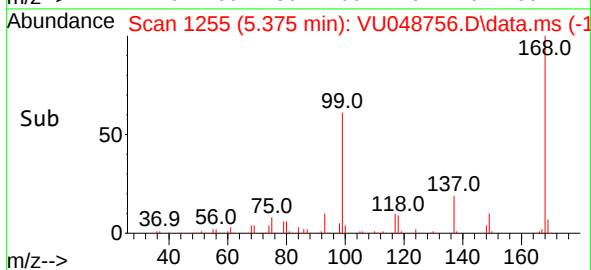
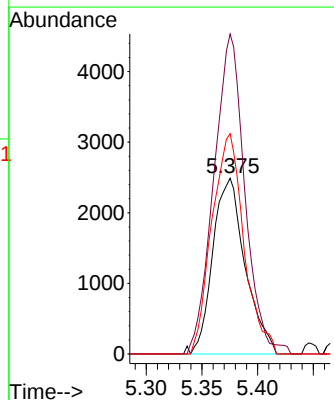
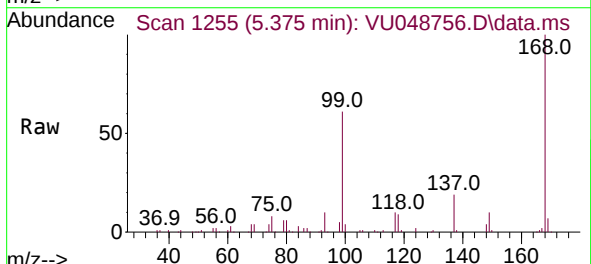
Instrument :
MSVOA_U
ClientSampleId :
VU0531MBL02

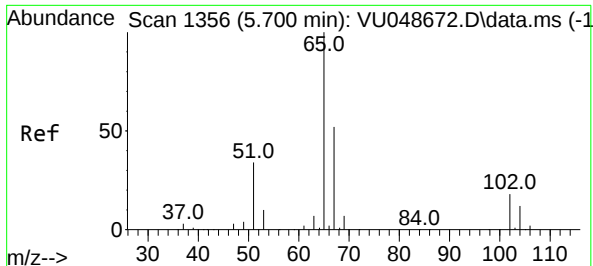
Tgt Ion:	84	Resp:	850
Ion	Ratio	Lower	Upper
84	100		
49	120.7	97.0	145.4
51	36.2	29.8	44.8
86	49.9	50.9	76.3#



#31
Cyclohexane
Concen: 1.257 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.016 min
Lab File: VU048756.D
Acq: 31 May 2022 22:39

Tgt Ion:	56	Resp:	5039
Ion	Ratio	Lower	Upper
56	100		
69	182.2	25.6	38.4#
84	125.4	66.2	99.4#





#33

1,2-Dichloroethane-d4

Concen: 54.875 ug/l

RT: 5.703 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU048756.D

Acq: 31 May 2022 22:39

Instrument :

MSVOA_U

ClientSampleId :

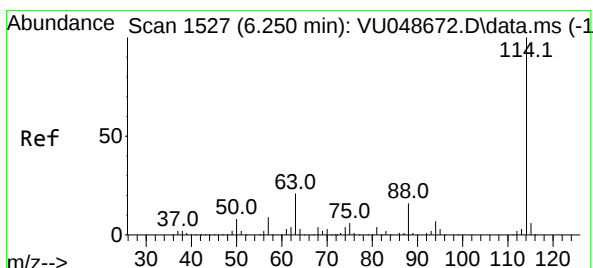
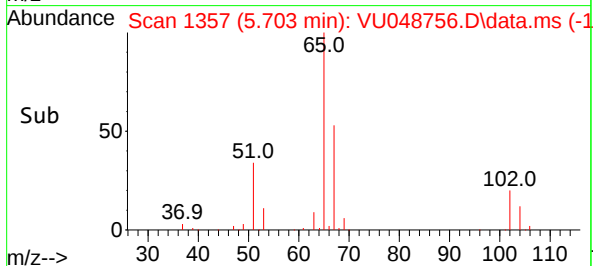
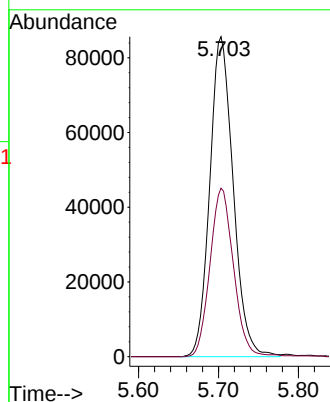
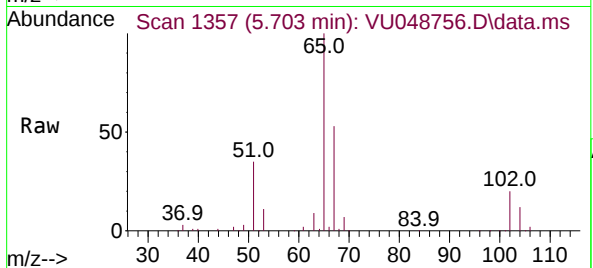
VU0531MBL02

Tgt Ion: 65 Resp: 174507

Ion Ratio Lower Upper

65 100

67 52.9 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. -0.000 min

Lab File: VU048756.D

Acq: 31 May 2022 22:39

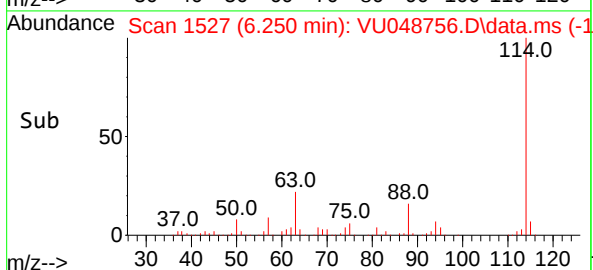
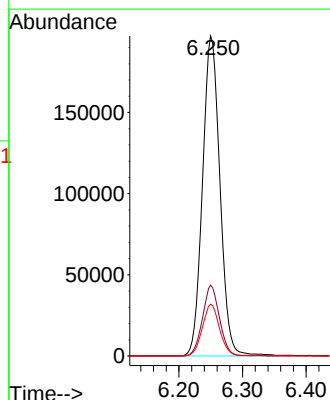
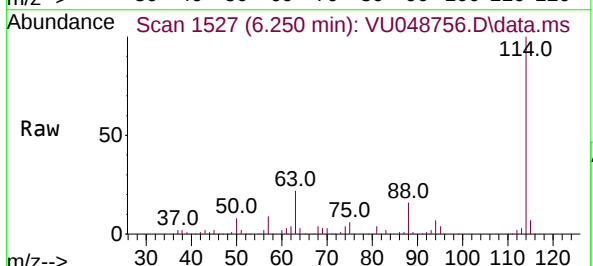
Tgt Ion: 114 Resp: 375105

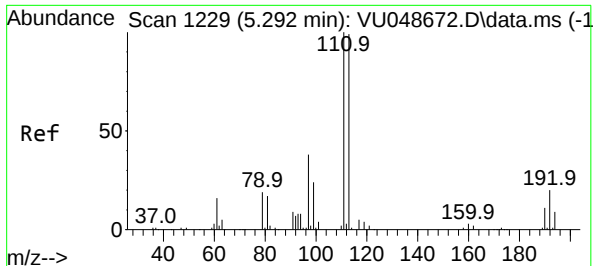
Ion Ratio Lower Upper

114 100

63 22.1 0.0 42.6

88 16.2 0.0 32.2





#35

Dibromofluoromethane

Concen: 50.946 ug/l

RT: 5.292 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU048756.D

Acq: 31 May 2022 22:39

Instrument :

MSVOA_U

ClientSampleId :

VU0531MBL02

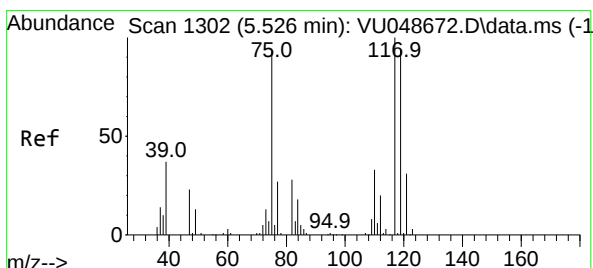
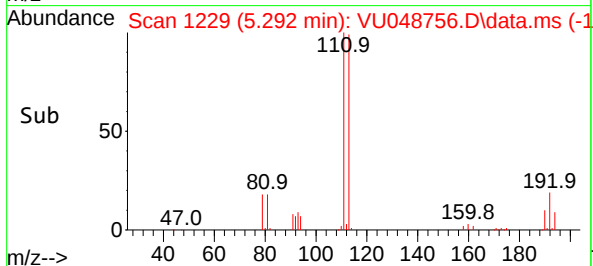
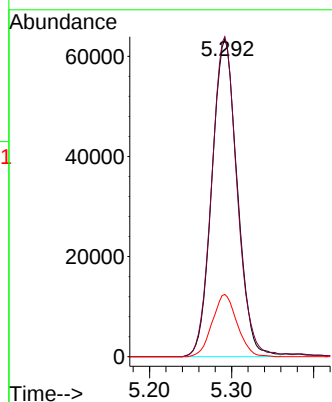
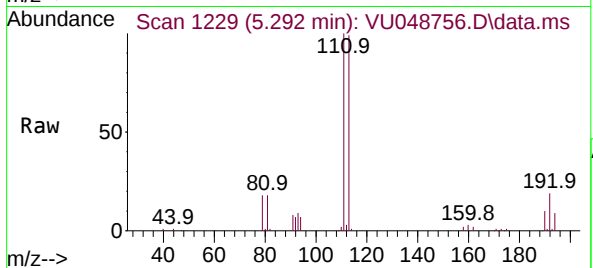
Tgt Ion:113 Resp: 136337

Ion Ratio Lower Upper

113 100

111 101.0 80.7 121.1

192 19.3 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.508 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048756.D

Acq: 31 May 2022 22:39

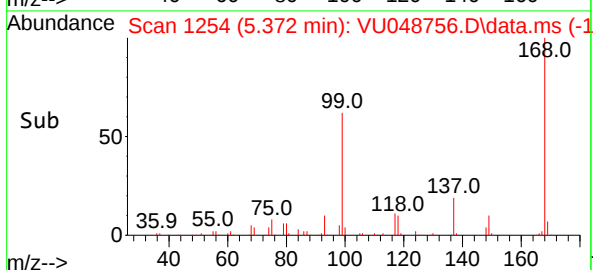
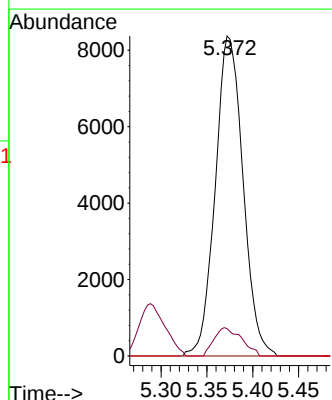
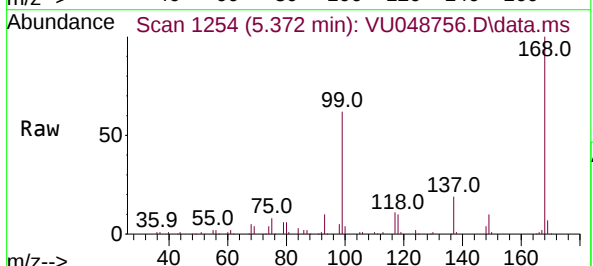
Tgt Ion: 75 Resp: 17605

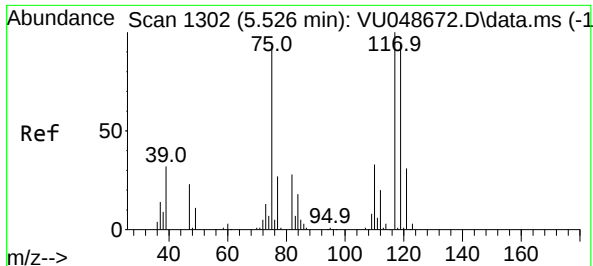
Ion Ratio Lower Upper

75 100

110 8.7 17.4 52.3#

77 0.0 24.8 37.2#

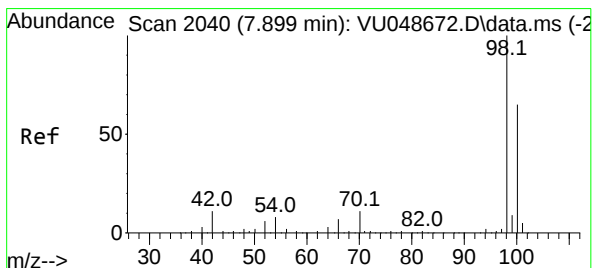
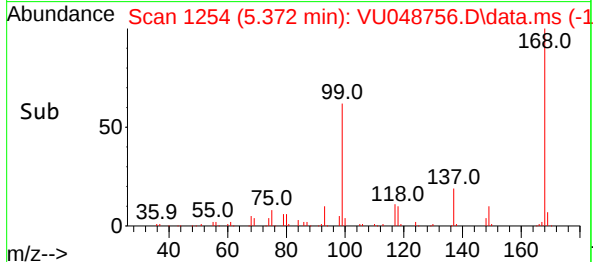
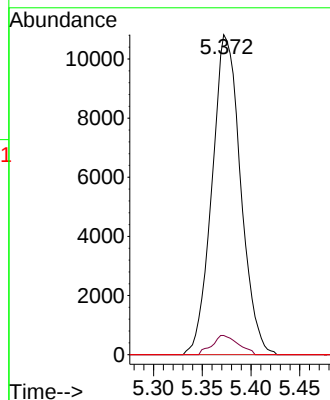
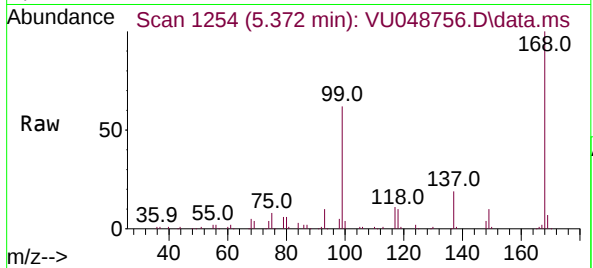




#38
Carbon Tetrachloride
Concen: 4.928 ug/l
RT: 5.372 min Scan# 117
Delta R.T. -0.154 min
Lab File: VU048756.D
Acq: 31 May 2022 22:39

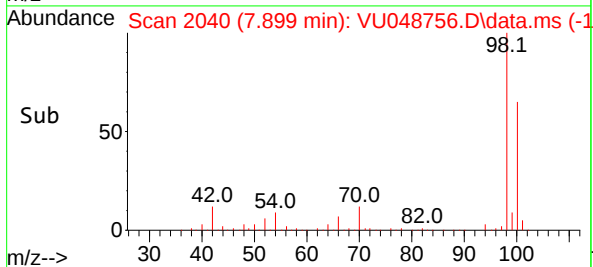
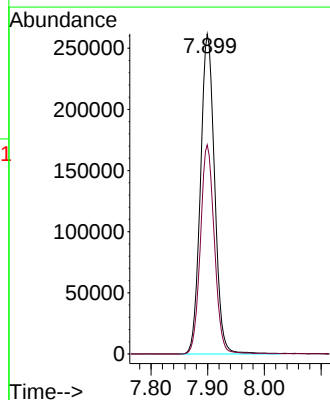
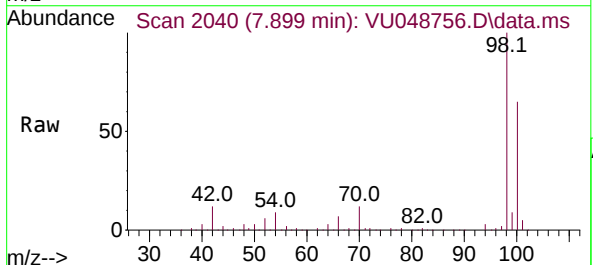
Instrument :
MSVOA_U
ClientSampleId :
VU0531MBL02

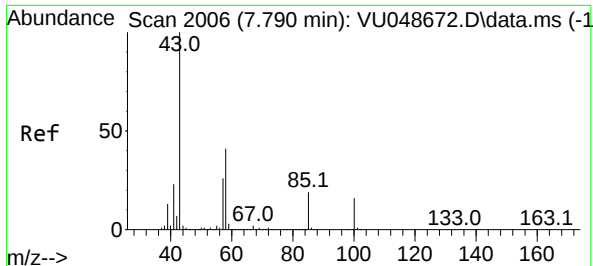
Tgt Ion:117 Resp: 22083
Ion Ratio Lower Upper
117 100
119 6.0 75.4 113.2#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 47.368 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU048756.D
Acq: 31 May 2022 22:39

Tgt Ion: 98 Resp: 454392
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 0.370 ug/l

RT: 7.796 min Scan# 2006

Delta R.T. 0.006 min

Lab File: VU048756.D

Acq: 31 May 2022 22:39

Instrument :

MSVOA_U

ClientSampleId :

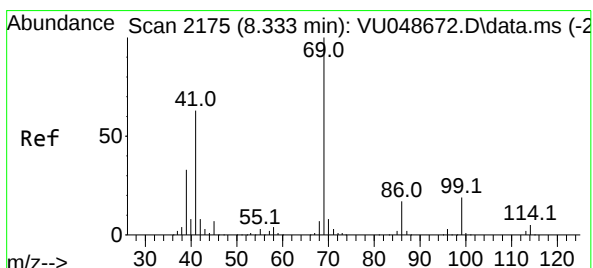
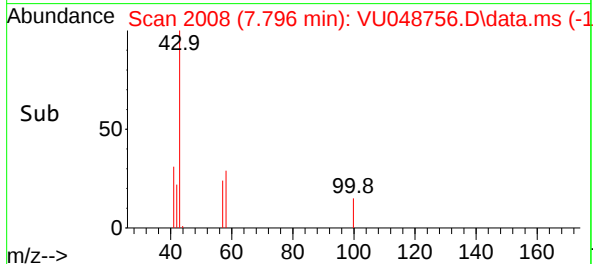
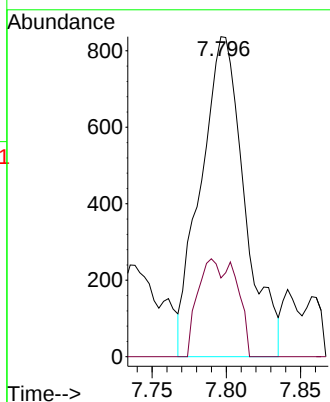
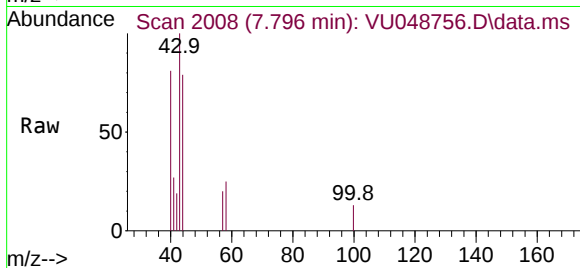
VU0531MBL02

Tgt Ion: 43 Resp: 1723

Ion Ratio Lower Upper

43 100

58 16.1 32.7 49.1#



#56

Ethyl methacrylate

Concen: 2.630 ug/l

RT: 8.330 min Scan# 2174

Delta R.T. -0.003 min

Lab File: VU048756.D

Acq: 31 May 2022 22:39

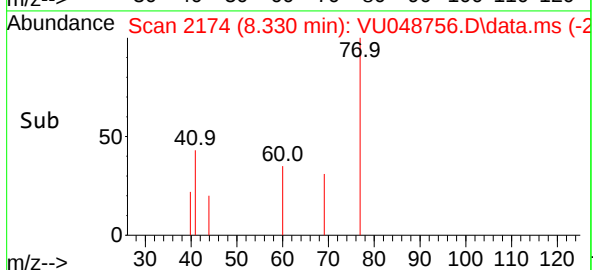
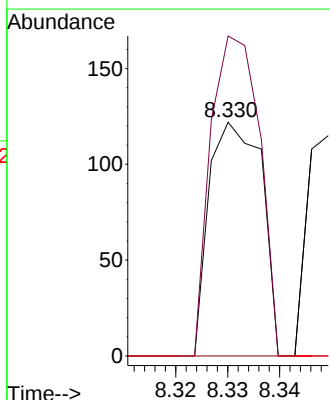
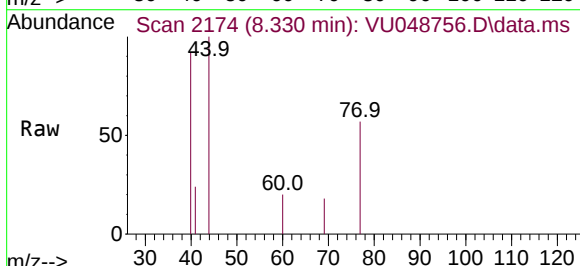
Tgt Ion: 69 Resp: 85

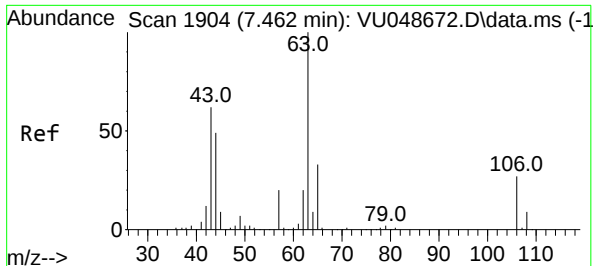
Ion Ratio Lower Upper

69 100

41 128.2 50.6 76.0#

39 0.0 26.6 40.0#





#58

2-Chloroethyl Vinyl ether

Concen: 29.843 ug/l

RT: 7.465 min Scan# 1905

Delta R.T. 0.003 min

Lab File: VU048756.D

Acq: 31 May 2022 22:39

Instrument :

MSVOA_U

ClientSampleId :

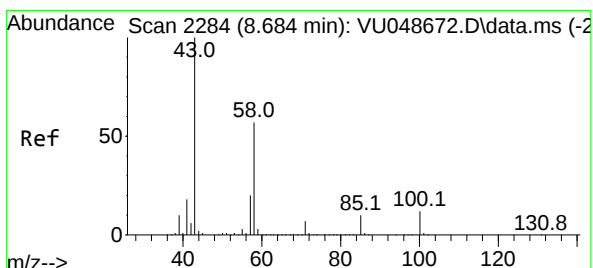
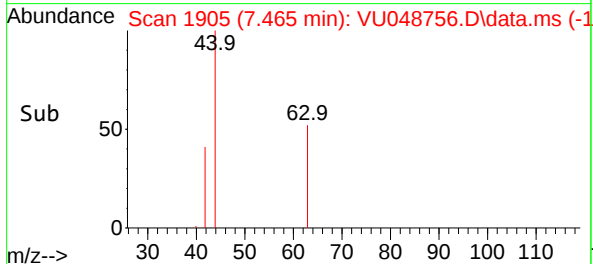
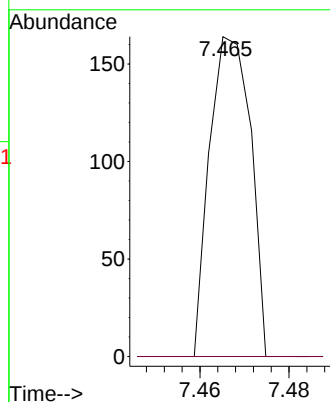
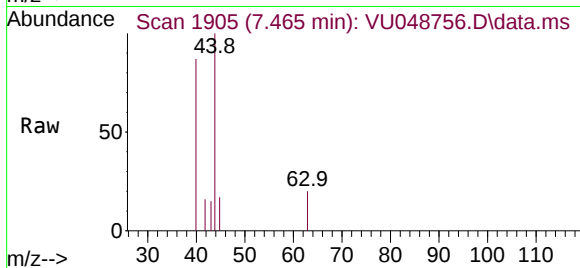
VU0531MBL02

Tgt Ion: 63 Resp: 105

Ion Ratio Lower Upper

63 100

106 0.0 22.2 33.2#



#59

2-Hexanone

Concen: 0.541 ug/l

RT: 8.693 min Scan# 2287

Delta R.T. 0.010 min

Lab File: VU048756.D

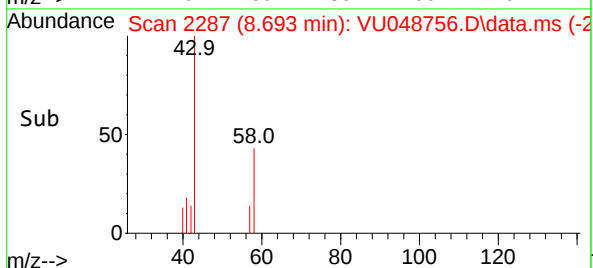
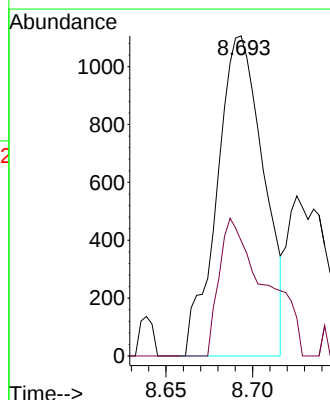
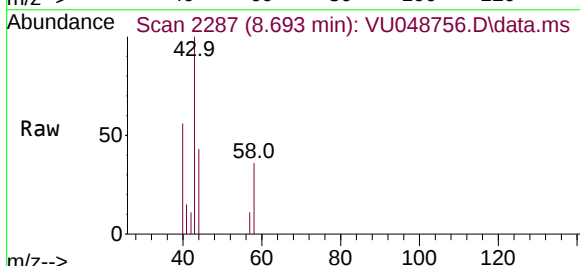
Acq: 31 May 2022 22:39

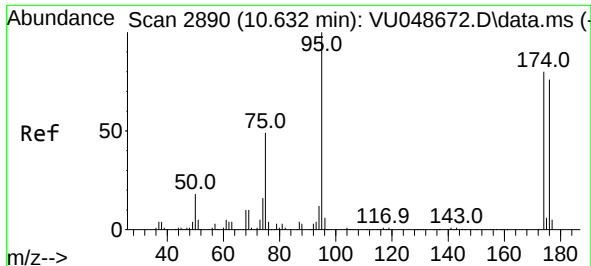
Tgt Ion: 43 Resp: 2066

Ion Ratio Lower Upper

43 100

58 42.5 28.2 84.6

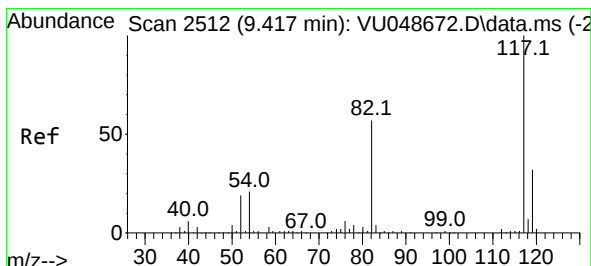
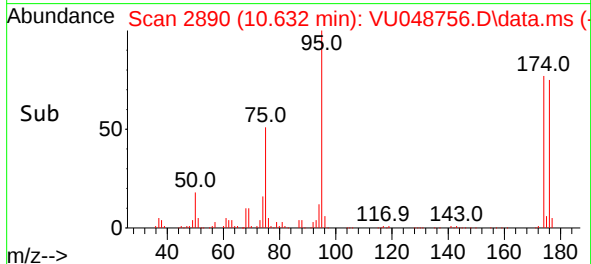
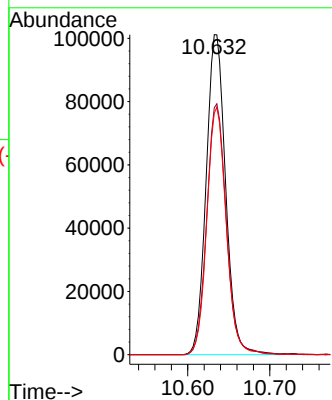
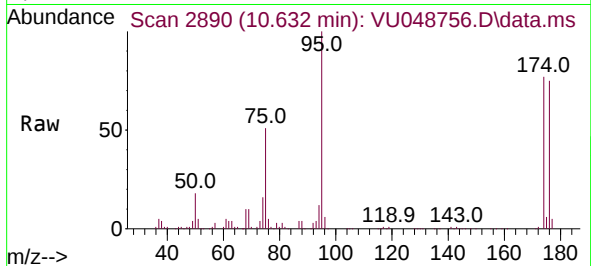




#62
4-Bromofluorobenzene
Concen: 45.955 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU048756.D
Acq: 31 May 2022 22:39

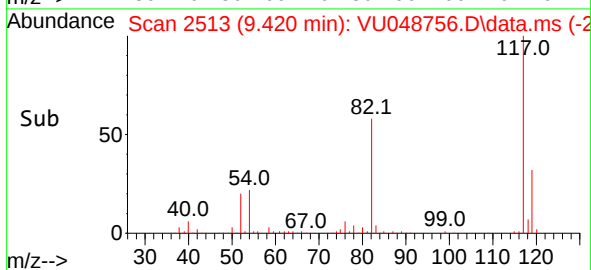
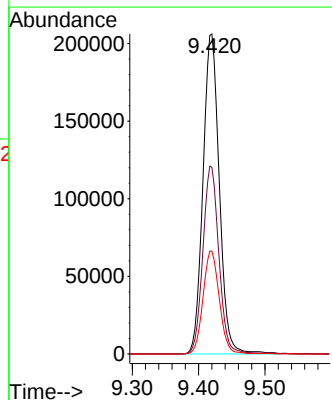
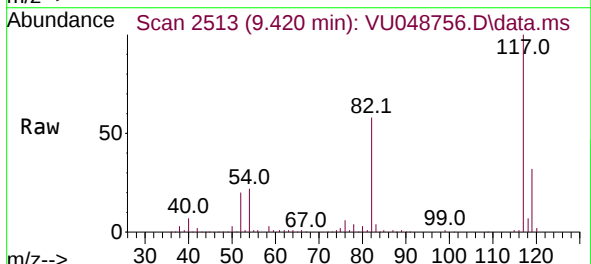
Instrument :
MSVOA_U
ClientSampleId :
VU0531MBL02

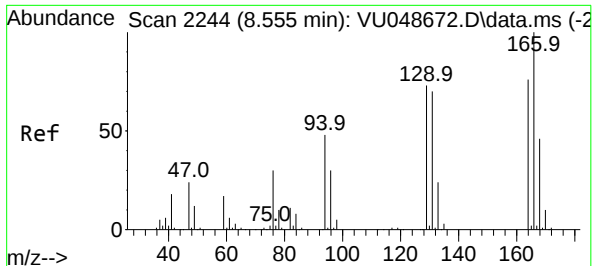
Tgt Ion: 95 Resp: 166720
Ion Ratio Lower Upper
95 100
174 79.0 0.0 159.4
176 76.8 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.003 min
Lab File: VU048756.D
Acq: 31 May 2022 22:39

Tgt Ion: 117 Resp: 352725
Ion Ratio Lower Upper
117 100
82 58.3 45.3 67.9
119 32.1 25.4 38.2

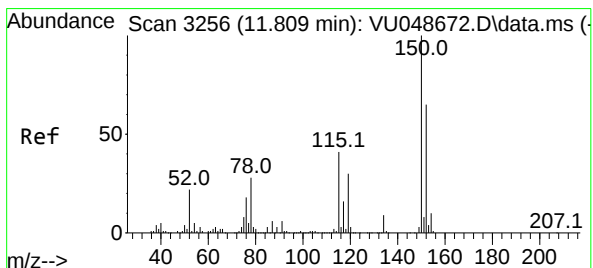
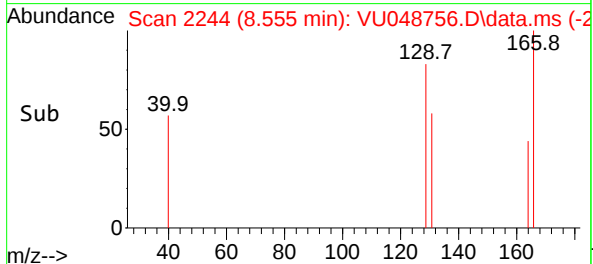
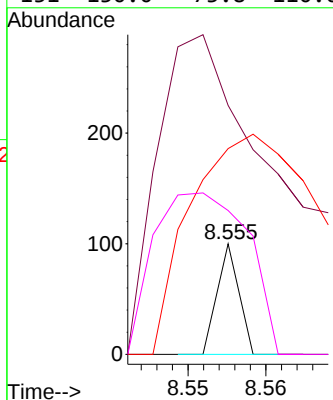
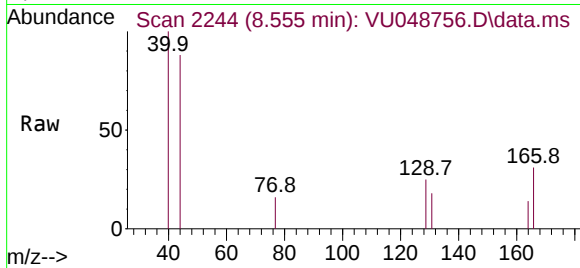




#64
Tetrachloroethene
Concen: Below Cal
RT: 8.555 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048756.D
Acq: 31 May 2022 22:39

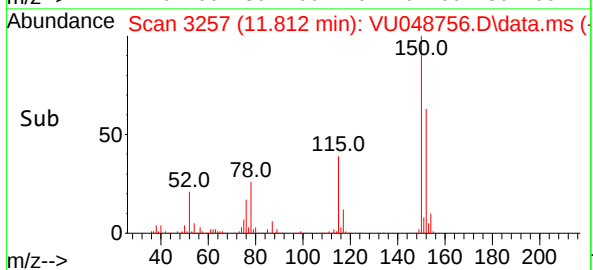
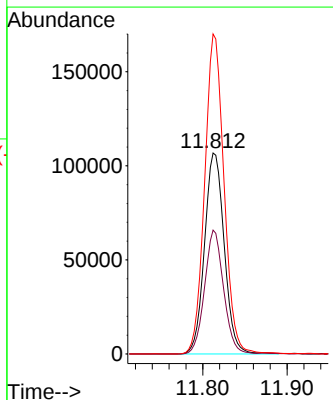
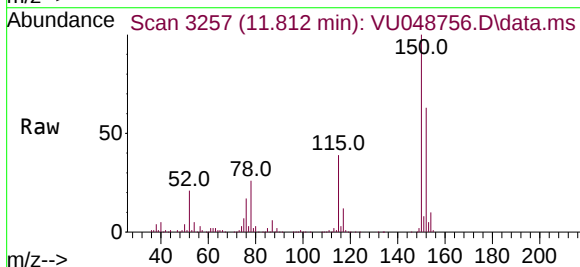
Instrument :
MSVOA_U
ClientSampleId :
VU0531MBL02

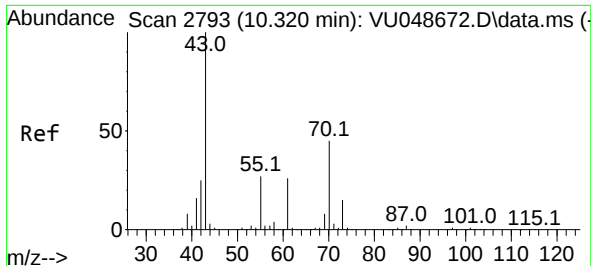
Tgt Ion:164 Resp: 19
Ion Ratio Lower Upper
164 100
166 62.0 105.0 157.4#
129 73.0 76.5 114.7#
131 130.0 73.8 110.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048756.D
Acq: 31 May 2022 22:39

Tgt Ion:152 Resp: 174344
Ion Ratio Lower Upper
152 100
115 59.1 41.8 125.4
150 156.1 0.0 341.0



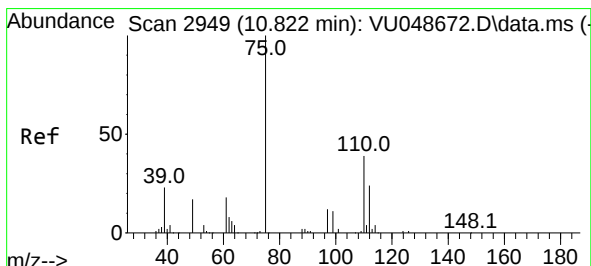
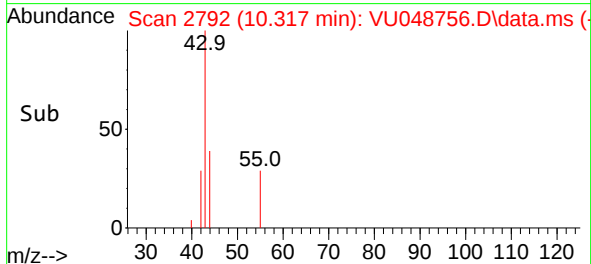
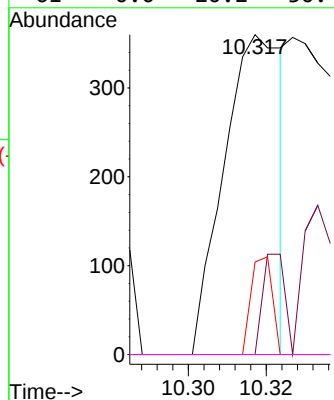
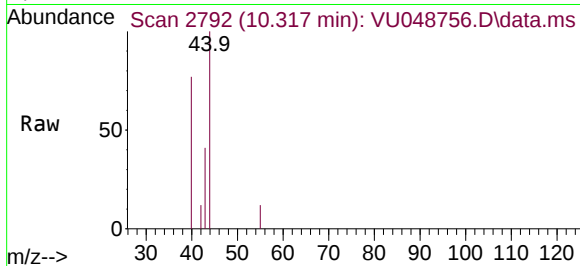


#74
N-amy1 acetate
Concen: 2.528 ug/l
RT: 10.317 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU048756.D
Acq: 31 May 2022 22:39

Instrument :
MSVOA_U
ClientSampleId :
VU0531MBL02

Tgt Ion: 43 Resp: 367

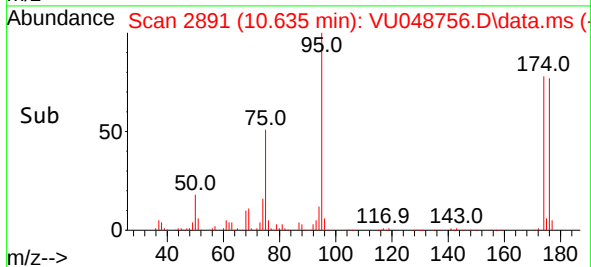
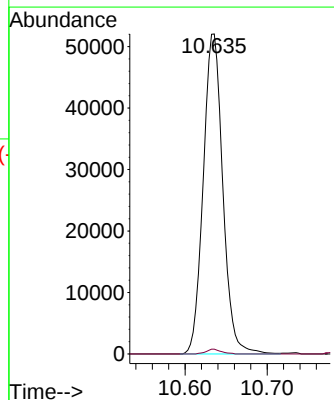
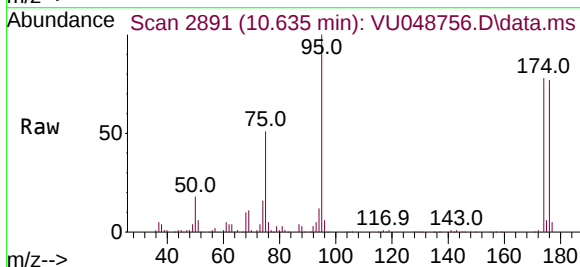
Ion	Ratio	Lower	Upper
43	100		
70	12.0	35.8	53.6#
55	11.2	21.1	31.7#
61	0.0	20.2	30.4#

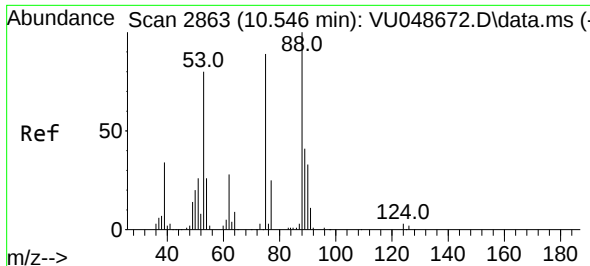


#76
1,2,3-Trichloropropane
Concen: 15.345 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.187 min
Lab File: VU048756.D
Acq: 31 May 2022 22:39

Tgt Ion: 75 Resp: 86258

Ion	Ratio	Lower	Upper
75	100		
77	1.1	14.8	44.3#

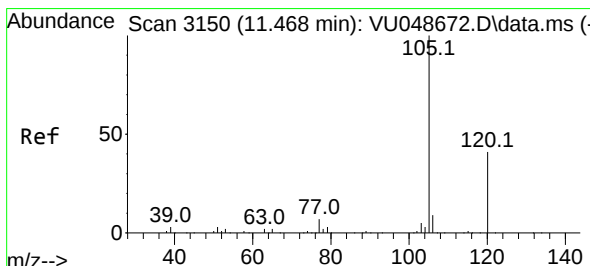
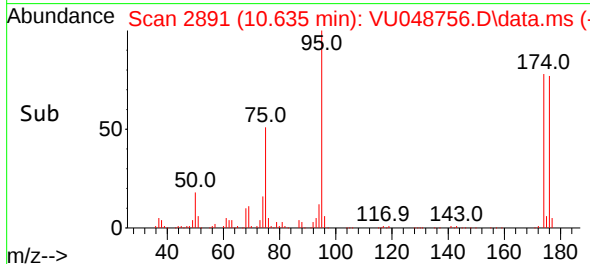
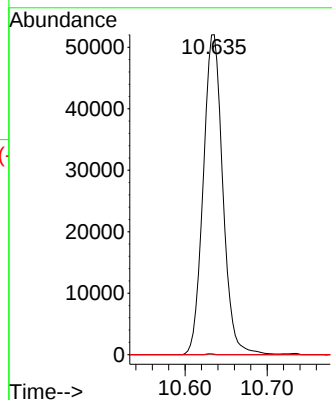
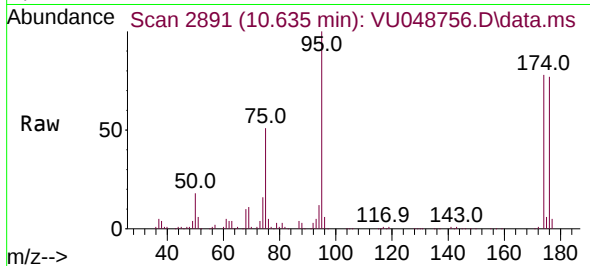




#81
trans-1,4-Dichloro-2-butene
Concen: 55.715 ug/l
RT: 10.635 min Scan# 2863
Delta R.T. 0.090 min
Lab File: VU048756.D
Acq: 31 May 2022 22:39

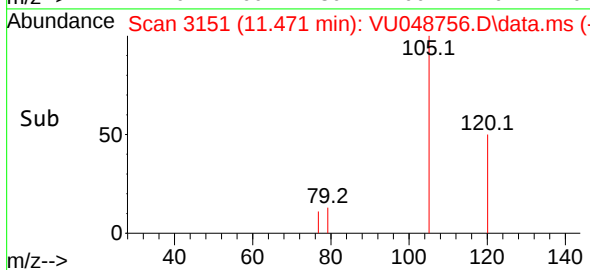
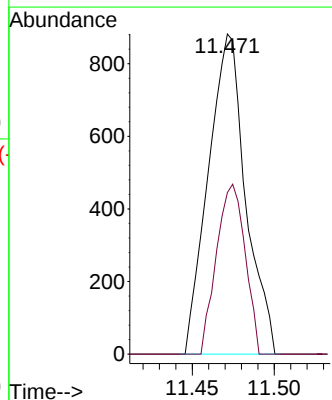
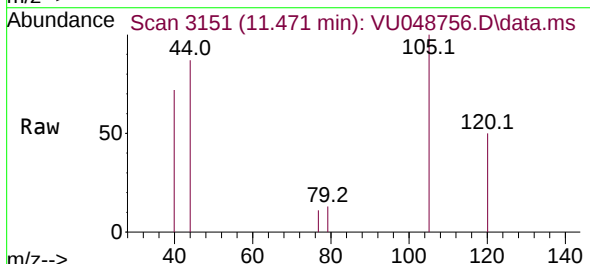
Instrument :
MSVOA_U
ClientSampleId :
VU0531MBL02

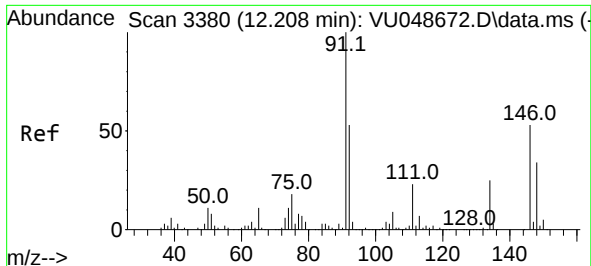
Tgt Ion: 75 Resp: 86258
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.1 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.316 ug/l
RT: 11.471 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VU048756.D
Acq: 31 May 2022 22:39

Tgt Ion: 105 Resp: 1392
Ion Ratio Lower Upper
105 100
120 40.6 22.5 67.5





#89

n-Butylbenzene

Concen: 2.333 ug/l

RT: 12.214 min Scan# 31

Delta R.T. 0.006 min

Lab File: VU048756.D

Acq: 31 May 2022 22:39

Instrument :

MSVOA_U

ClientSampleId :

VU0531MBL02

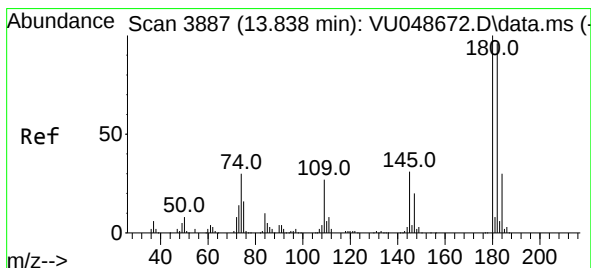
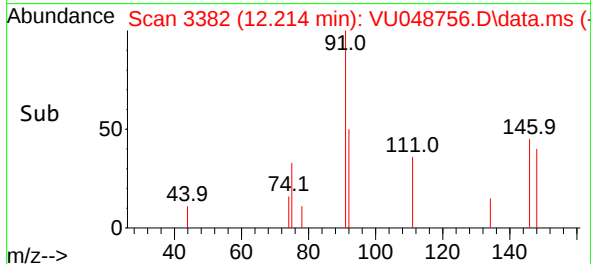
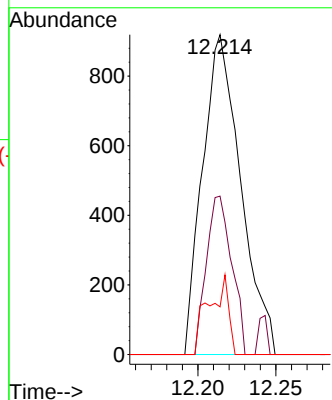
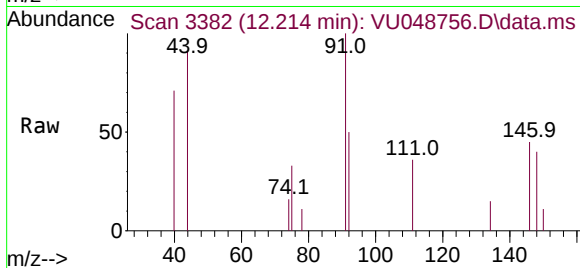
Tgt Ion: 91 Resp: 1564

Ion Ratio Lower Upper

91 100

92 32.8 25.9 77.8

134 5.3 12.5 37.5#



#93

1,2,4-Trichlorobenzene

Concen: 0.417 ug/l

RT: 13.848 min Scan# 3890

Delta R.T. 0.010 min

Lab File: VU048756.D

Acq: 31 May 2022 22:39

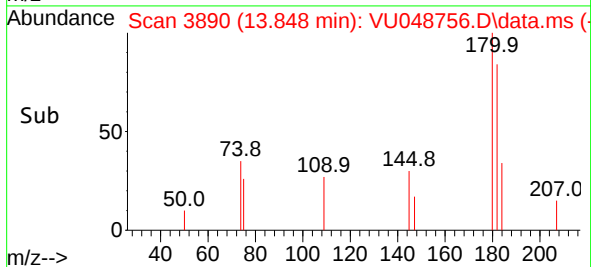
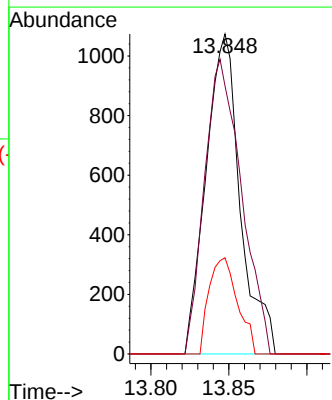
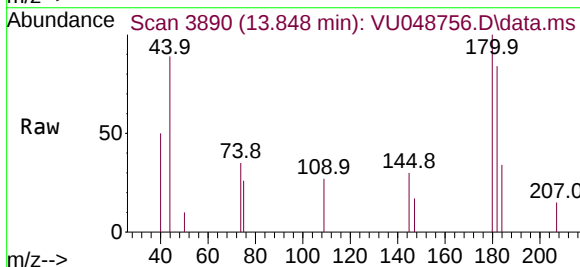
Tgt Ion:180 Resp: 1640

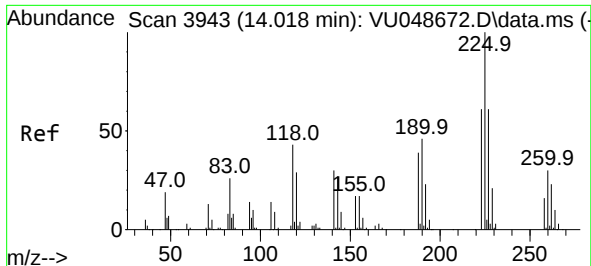
Ion Ratio Lower Upper

180 100

182 99.5 48.3 144.9

145 25.0 15.6 46.7

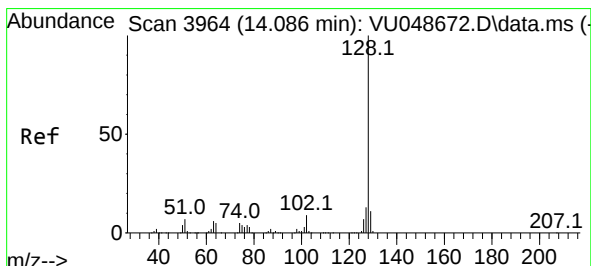
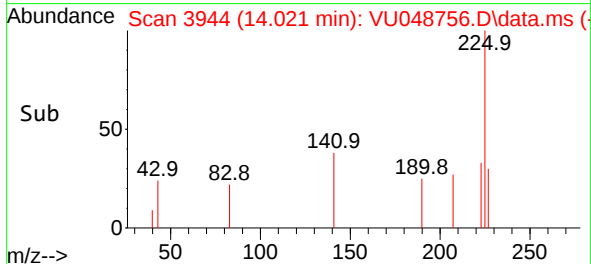
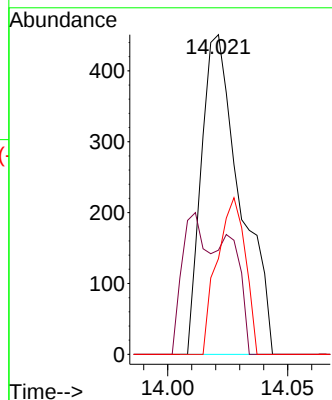
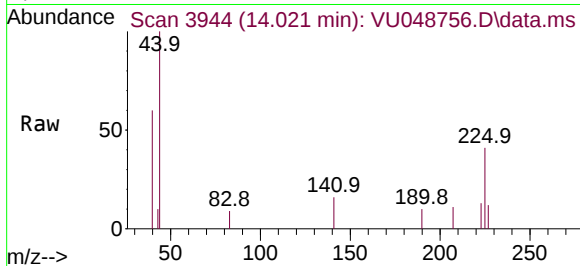




#94
Hexachlorobutadiene
Concen: 0.270 ug/l
RT: 14.021 min Scan# 3944
Delta R.T. 0.003 min
Lab File: VU048756.D
Acq: 31 May 2022 22:39

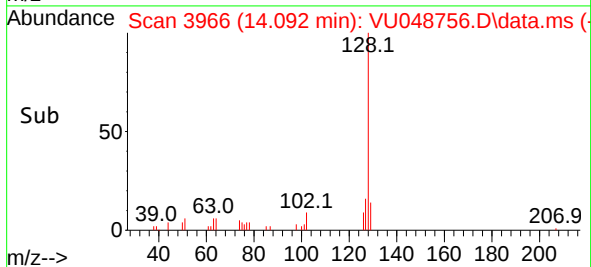
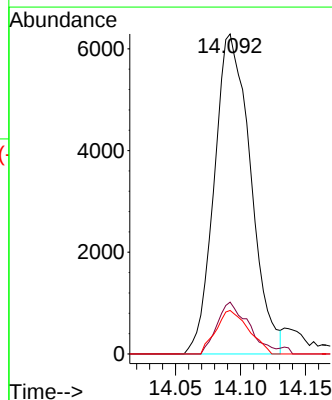
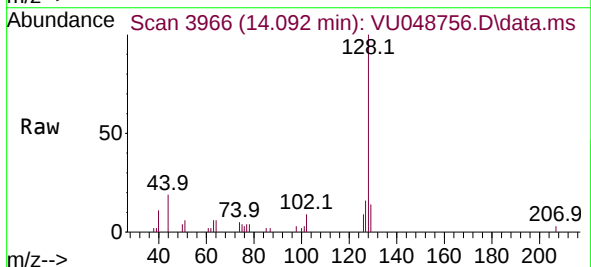
Instrument :
MSVOA_U
ClientSampleId :
VU0531MBL02

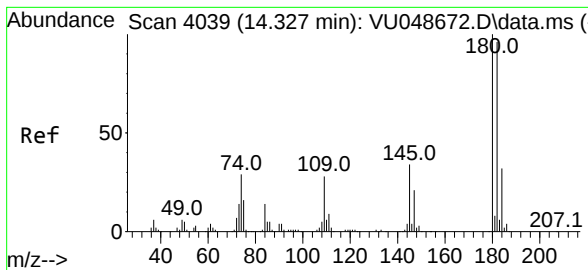
Tgt Ion:225 Resp: 508
Ion Ratio Lower Upper
225 100
223 29.9 30.9 92.8#
227 35.6 31.1 93.5



#95
Naphthalene
Concen: 3.376 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VU048756.D
Acq: 31 May 2022 22:39

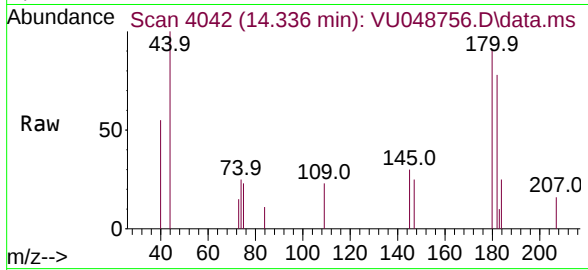
Tgt Ion:128 Resp: 12198
Ion Ratio Lower Upper
128 100
127 14.1 10.2 15.4
129 12.2 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.459 ug/l
 RT: 14.336 min Scan# 4042
 Delta R.T. 0.010 min
 Lab File: VU048756.D
 Acq: 31 May 2022 22:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0531MBL02



Tgt Ion:	180	Resp:	1787
Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.4	142.2
145	34.5	16.6	49.8

