

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111021\
 Data File : VU045707.D
 Acq On : 10 Nov 2021 23:27
 Operator : SY/MD
 Sample : VU1110WBSD02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 11 02:34:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 05 13:35:16 2021
 Response via : Initial Calibration

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

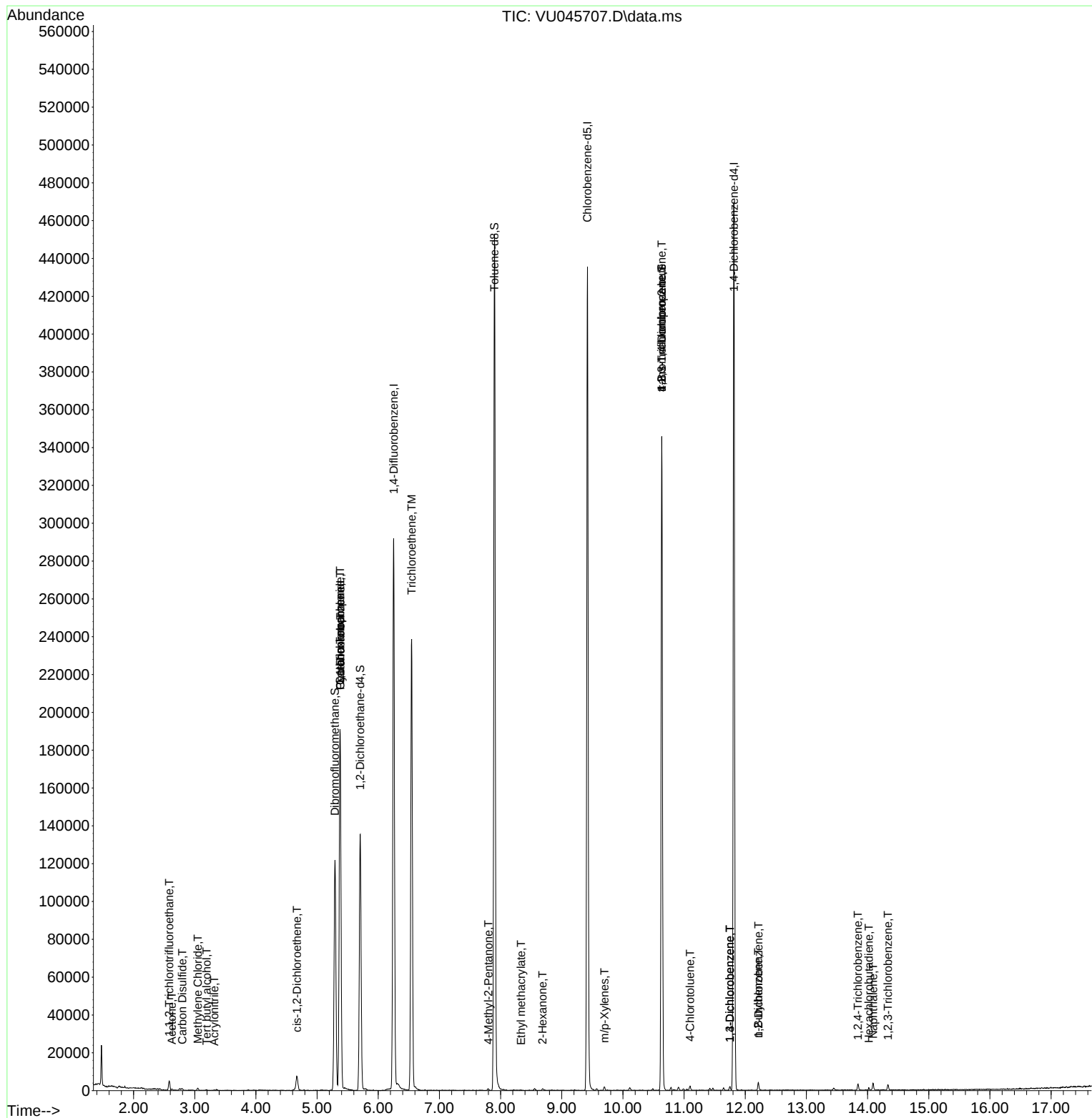
Internal Standards						
1) Pentafluorobenzene	5.378	168	125428	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	231004	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	234985	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	117013	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	99579	53.012	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.020%	
35) Dibromofluoromethane	5.292	113	78164	50.680	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.360%	
50) Toluene-d8	7.899	98	300635	52.421	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 104.840%	
62) 4-Bromofluorobenzene	10.635	95	115248	50.114	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.220%	
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.584	101	1844	1.318	ug/l	90
11) Tert butyl alcohol	3.195	59	244	0.656	ug/l #	72
15) Acrylonitrile	3.321	53	289	0.291	ug/l #	17
16) Acetone	2.626	43	717	0.750	ug/l	92
17) Carbon Disulfide	2.796	76	1303	0.337	ug/l #	75
20) Methylene Chloride	3.051	84	530	0.319	ug/l	95
27) cis-1,2-Dichloroethene	4.671	96	4017	2.382	ug/l	89
31) Cyclohexane	5.378	56	3072	1.121	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	11302	5.018	ug/l #	50
38) Carbon Tetrachloride	5.375	117	13782	6.069	ug/l #	16
44) Trichloroethene	6.546	130	79132	49.573	ug/l	98
51) 4-Methyl-2-Pentanone	7.800	43	735	0.282	ug/l	94
56) Ethyl methacrylate	8.333	69	73	2.447	ug/l #	26
59) 2-Hexanone	8.687	43	839	7.893	ug/l	76
68) m/p-Xylenes	9.700	106	656	0.210	ug/l	92
76) 1,2,3-Trichloropropane	10.635	75	59876	16.874	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.635	75	59876	54.961	ug/l #	12
82) 4-Chlorotoluene	11.098	91	1449	0.220	ug/l	78
87) 1,3-Dichlorobenzene	11.751	146	1015	0.271	ug/l	95
88) 1,4-Dichlorobenzene	11.751	146	1015	0.268	ug/l	96
89) n-Butylbenzene	12.211	91	1803	0.265	ug/l	90
91) 1,2-Dichlorobenzene	12.214	146	847	0.232	ug/l	77
93) 1,2,4-Trichlorobenzene	13.841	180	1336	0.530	ug/l	90
94) Hexachlorobutadiene	14.021	225	406	0.373	ug/l	65
95) Naphthalene	14.092	128	3550	1.396	ug/l #	90
96) 1,2,3-Trichlorobenzene	14.333	180	1198	0.479	ug/l	93

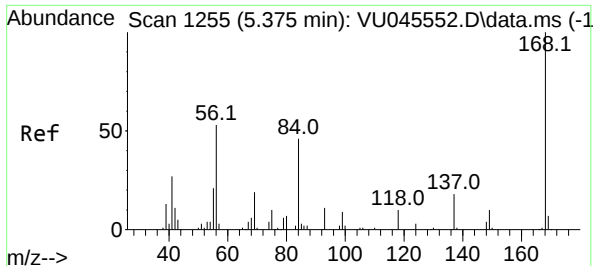
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111021\
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Quant Time: Nov 11 02:34:45 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 05 13:35:16 2021
Response via : Initial Calibration

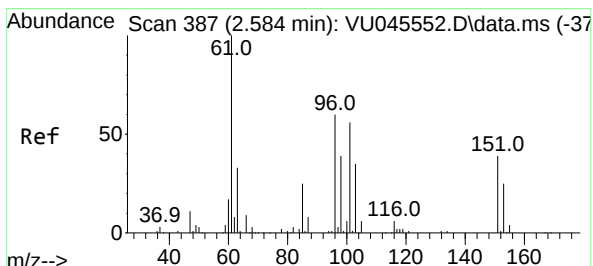
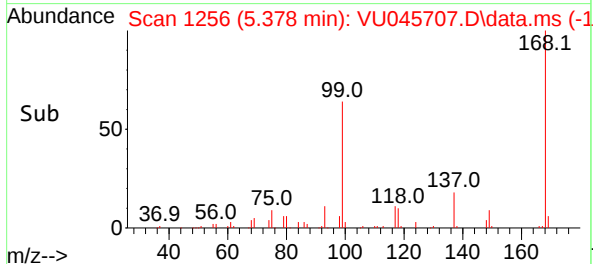
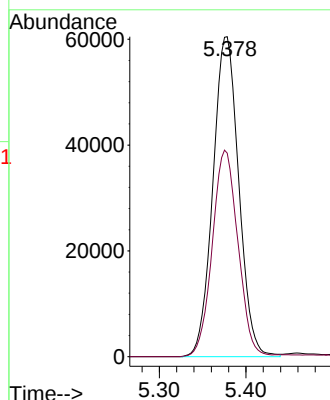
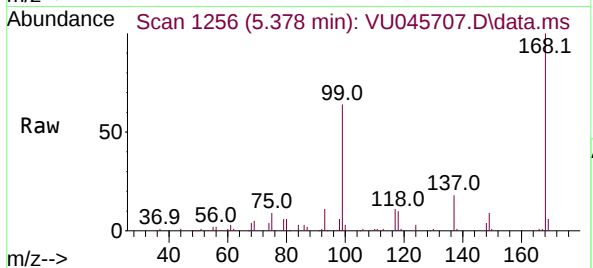




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU045707.D
Acq: 10 Nov 2021 23:27

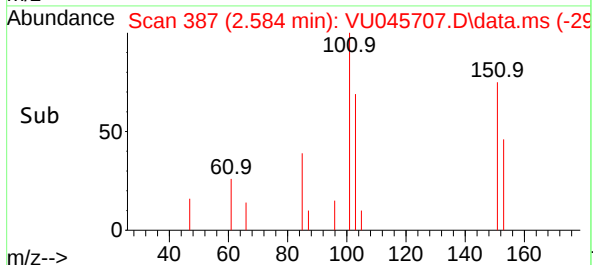
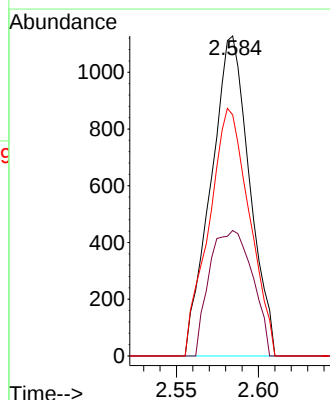
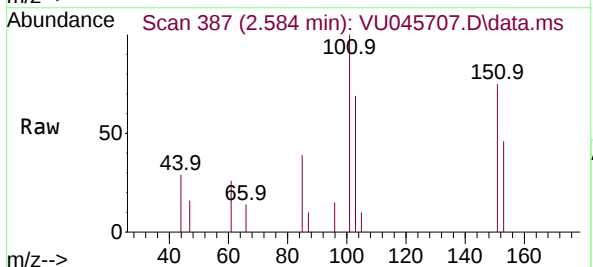
Instrument :
MSVOA_U
ClientSampleId :

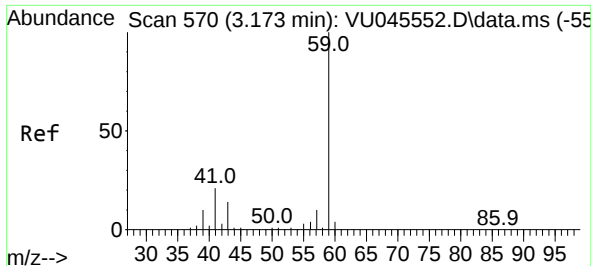
Tgt Ion:168 Resp: 125428
Ion Ratio Lower Upper
168 100
99 63.6 51.0 76.6



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.318 ug/l
RT: 2.584 min Scan# 387
Delta R.T. -0.000 min
Lab File: VU045707.D
Acq: 10 Nov 2021 23:27

Tgt Ion:101 Resp: 1844
Ion Ratio Lower Upper
101 100
85 43.6 35.0 52.4
151 81.1 54.6 82.0

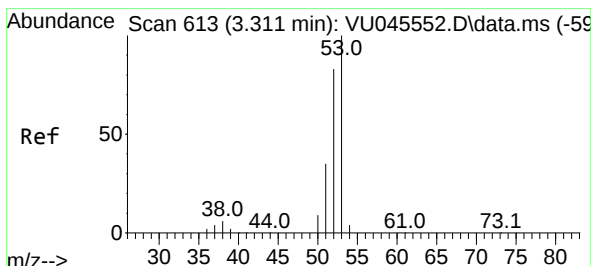
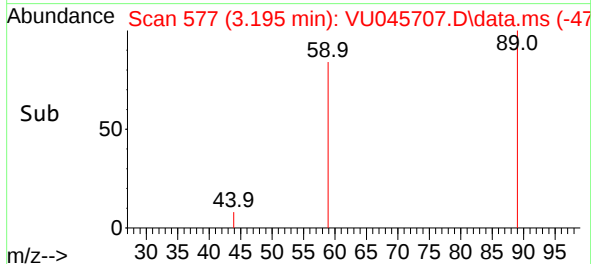
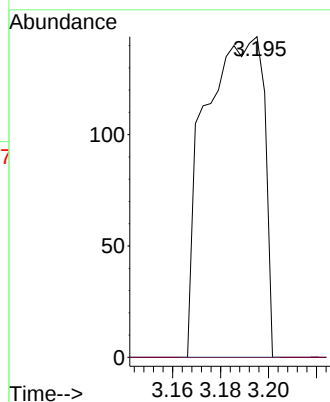
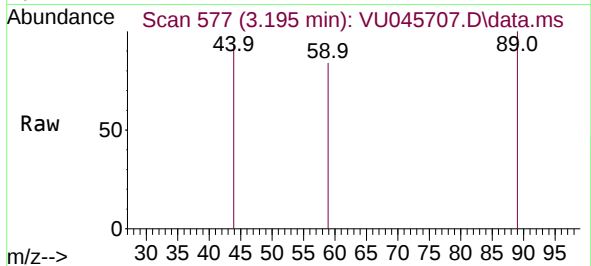




#11
Tert butyl alcohol
Concen: 0.656 ug/l
RT: 3.195 min Scan# 51
Delta R.T. 0.022 min
Lab File: VU045707.D
Acq: 10 Nov 2021 23:27

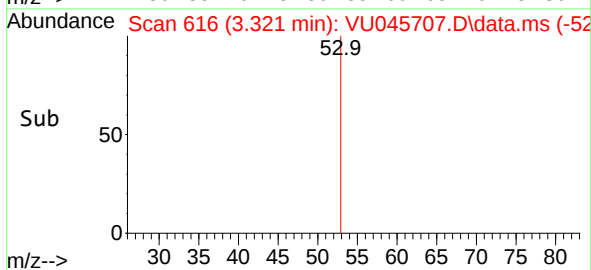
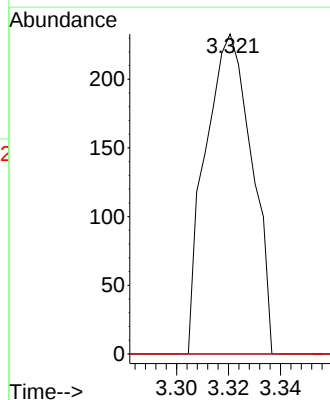
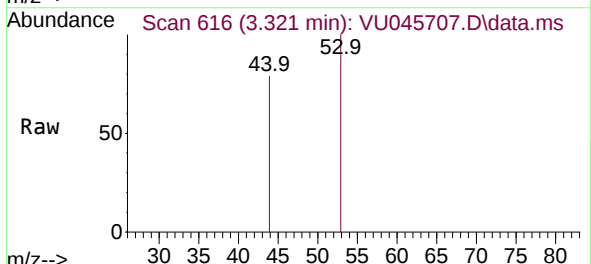
Instrument :
MSVOA_U
ClientSampleId :

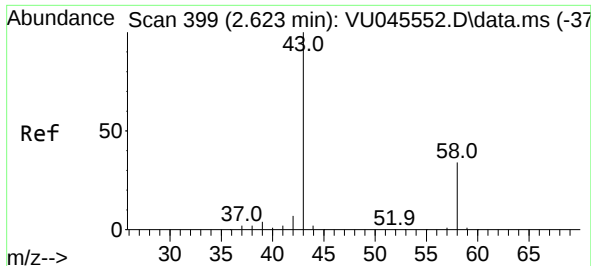
Tgt Ion: 59 Resp: 244
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#15
Acrylonitrile
Concen: 0.291 ug/l
RT: 3.321 min Scan# 616
Delta R.T. 0.010 min
Lab File: VU045707.D
Acq: 10 Nov 2021 23:27

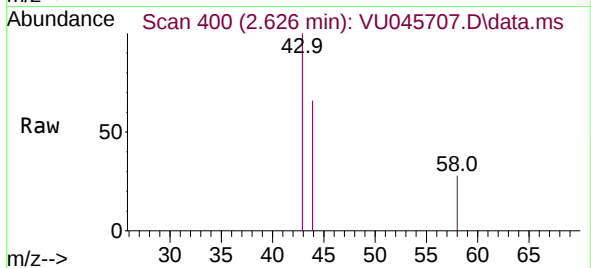
Tgt Ion: 53 Resp: 289
Ion Ratio Lower Upper
53 100
52 0.0 66.6 100.0#
51 0.0 28.4 42.6#



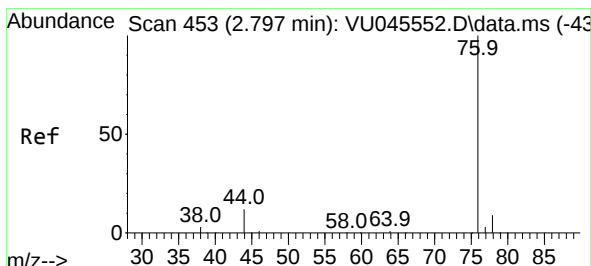
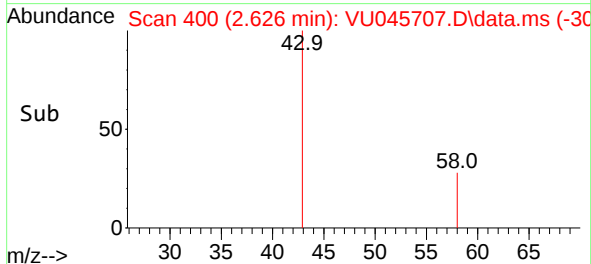
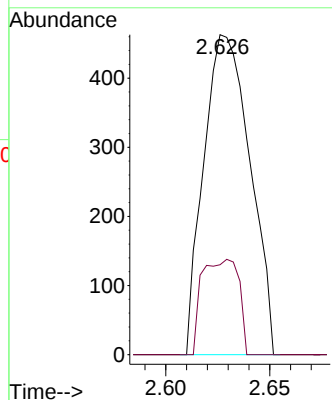


#16
Acetone
Concen: 0.750 ug/l
RT: 2.626 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU045707.D
Acq: 10 Nov 2021 23:27

Instrument :
MSVOA_U
ClientSampleId :

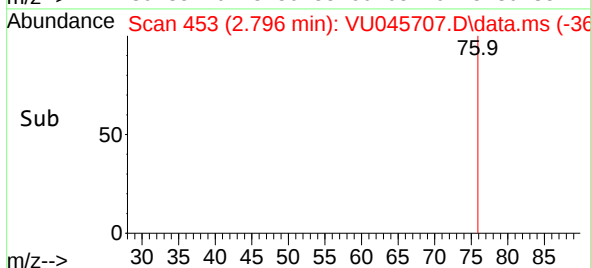
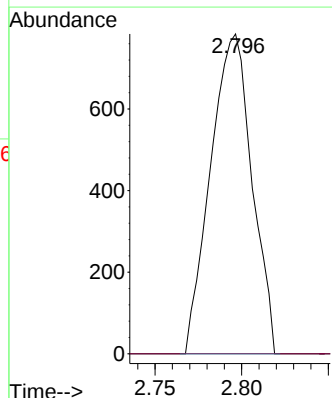
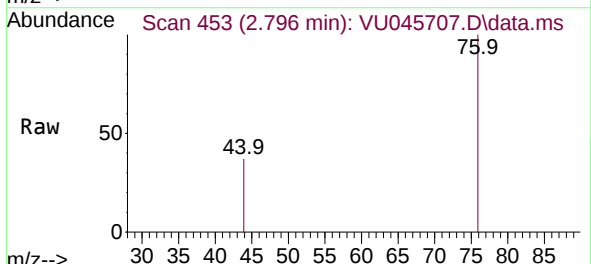


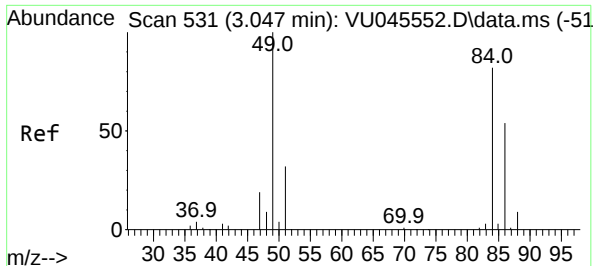
Tgt Ion: 43 Resp: 717
Ion Ratio Lower Upper
43 100
58 28.1 26.2 39.2



#17
Carbon Disulfide
Concen: 0.337 ug/l
RT: 2.796 min Scan# 453
Delta R.T. -0.000 min
Lab File: VU045707.D
Acq: 10 Nov 2021 23:27

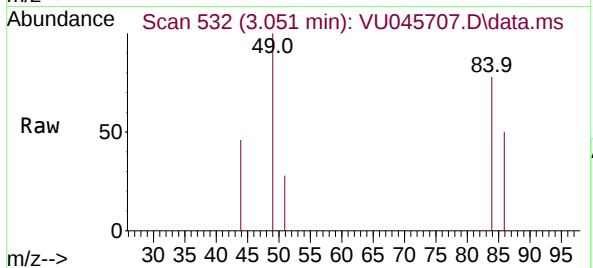
Tgt Ion: 76 Resp: 1303
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



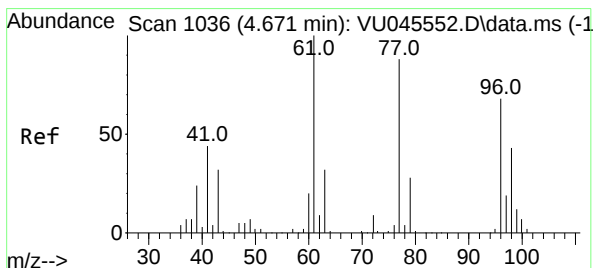
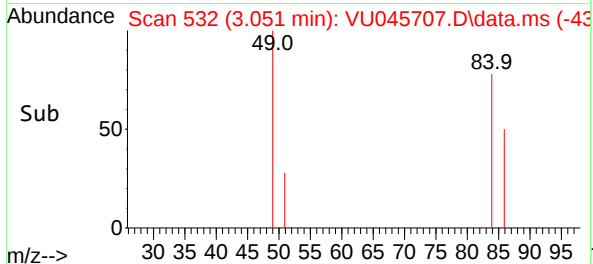
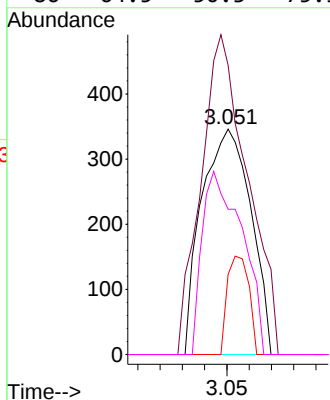


#20
Methylene Chloride
Concen: 0.319 ug/l
RT: 3.051 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU045707.D
Acq: 10 Nov 2021 23:27

Instrument :
MSVOA_U
ClientSampleId :

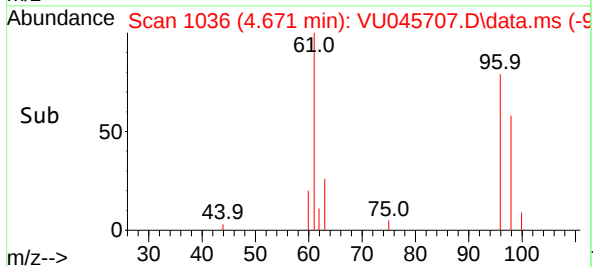
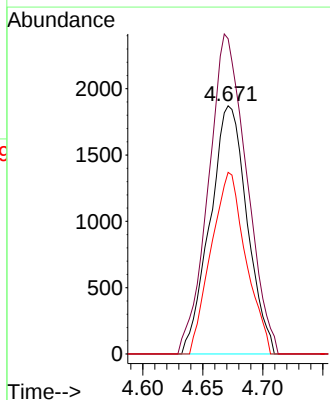
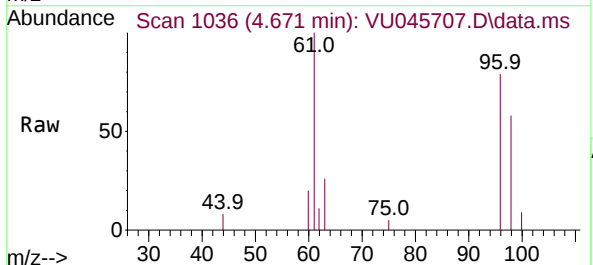


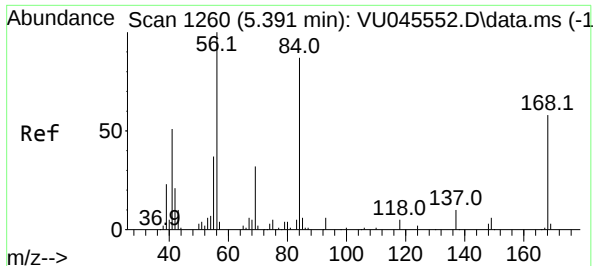
Tgt Ion: 84	Resp: 530
Ion Ratio	Lower Upper
84 100	
49 128.3	96.4 144.6
51 35.5	30.5 45.7
86 64.5	50.3 75.5



#27
cis-1,2-Dichloroethene
Concen: 2.382 ug/l
RT: 4.671 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VU045707.D
Acq: 10 Nov 2021 23:27

Tgt Ion: 96	Resp: 4017
Ion Ratio	Lower Upper
96 100	
61 132.6	0.0 299.2
98 68.7	0.0 127.6





#31

Cyclohexane

Concen: 1.121 ug/l

RT: 5.378 min Scan# 1256

Delta R.T. -0.013 min

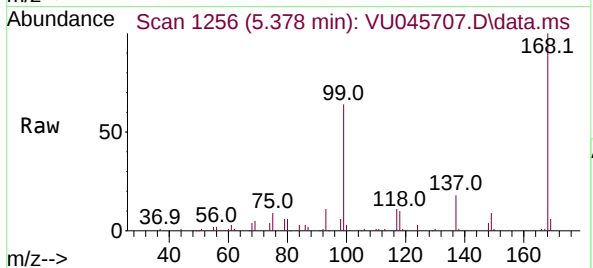
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Acq: 10 Nov 2021 23:27

Instrument :

MSVOA_U

ClientSampleId :



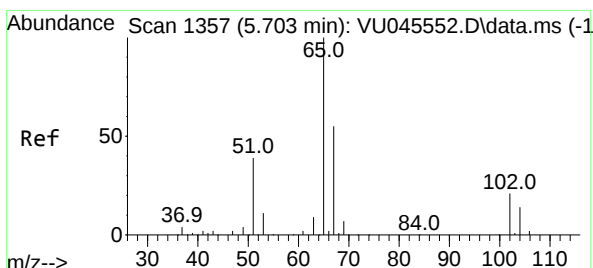
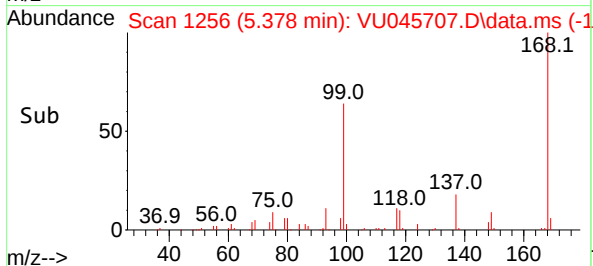
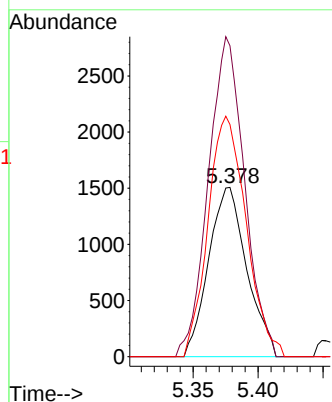
Tgt Ion: 56 Resp: 3072

Ion Ratio Lower Upper

56 100

69 183.7 26.4 39.6#

84 137.2 68.4 102.6#



#33

1,2-Dichloroethane-d4

Concen: 53.012 ug/l

RT: 5.703 min Scan# 1357

Delta R.T. -0.000 min

Lab File: VU045707.D

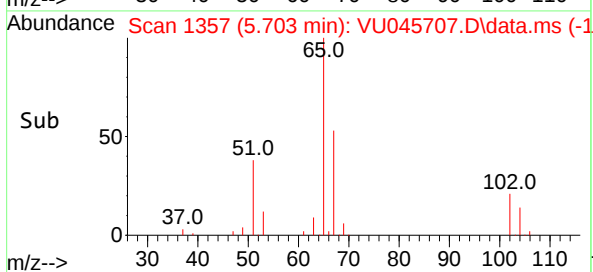
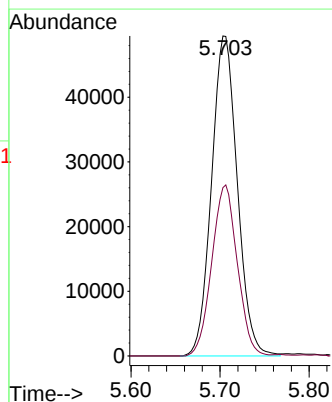
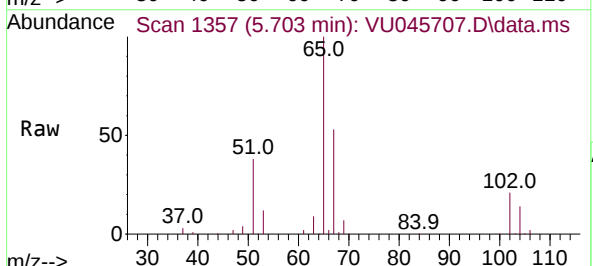
Acq: 10 Nov 2021 23:27

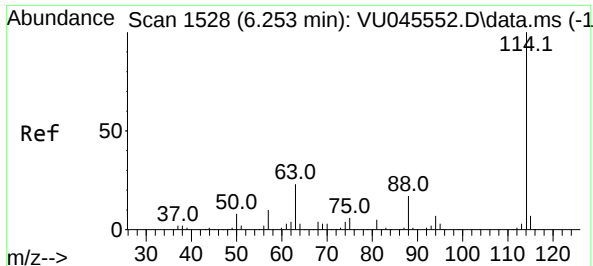
Tgt Ion: 65 Resp: 99579

Ion Ratio Lower Upper

65 100

67 52.9 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU045707.D

Acq: 10 Nov 2021 23:27

Instrument :

MSVOA_U

ClientSampleId :

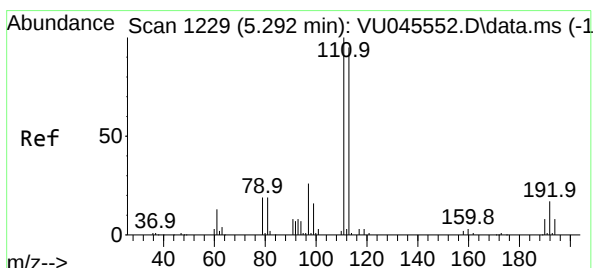
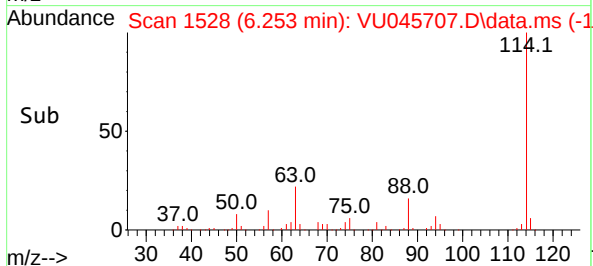
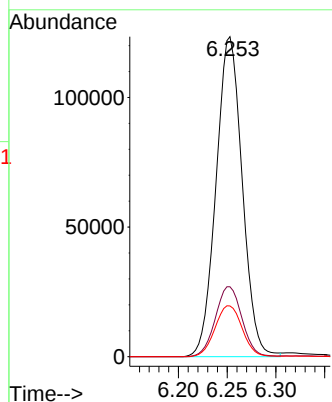
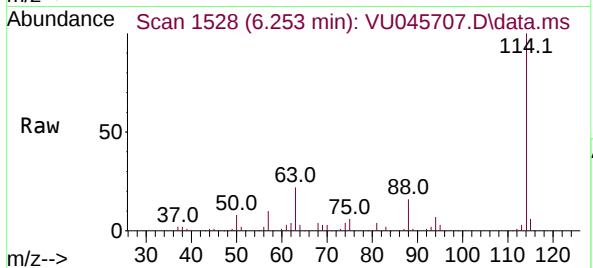
Tgt Ion:114 Resp: 231004

Ion Ratio Lower Upper

114 100

63 21.8 0.0 45.6

88 15.9 0.0 33.8



#35

Dibromofluoromethane

Concen: 50.680 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VU045707.D

Acq: 10 Nov 2021 23:27

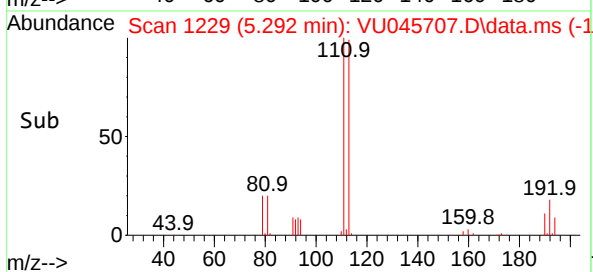
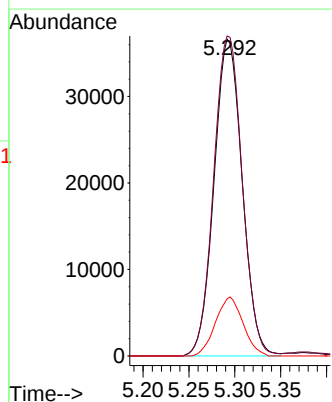
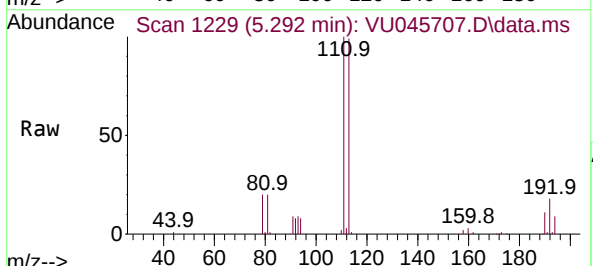
Tgt Ion:113 Resp: 78164

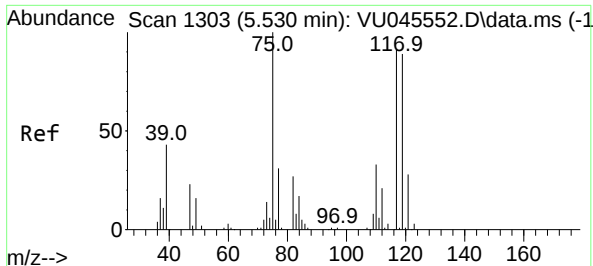
Ion Ratio Lower Upper

113 100

111 102.4 82.8 124.2

192 18.2 14.8 22.2





#36

1,1-Dichloropropene

Concen: 5.018 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.154 min

Lab File: VU045707.D

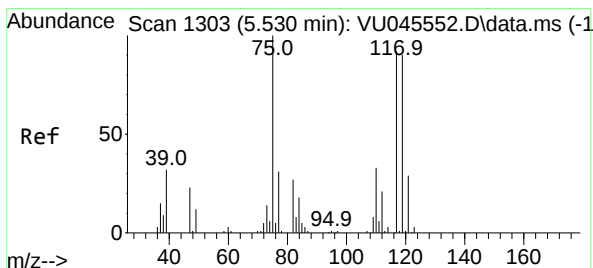
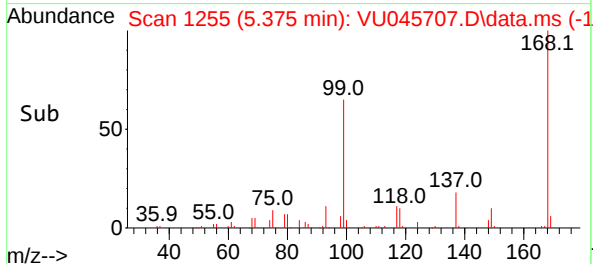
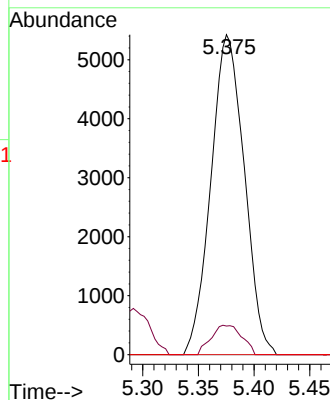
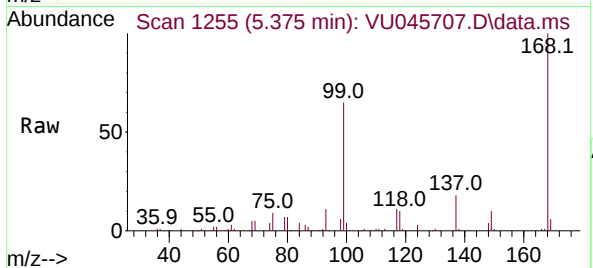
Acq: 10 Nov 2021 23:27

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 75	Resp: 11302
Ion Ratio	Lower Upper
75	100
110	8.5 16.7 50.0#
77	0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.069 ug/l

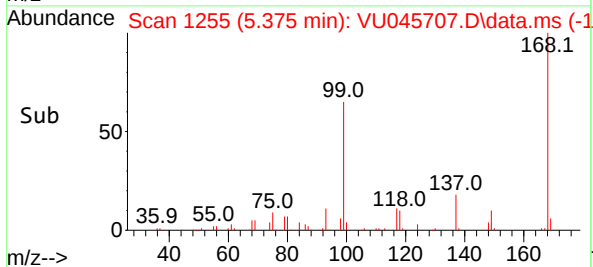
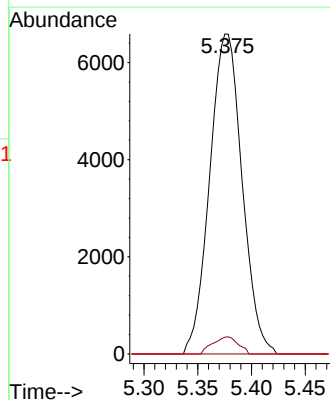
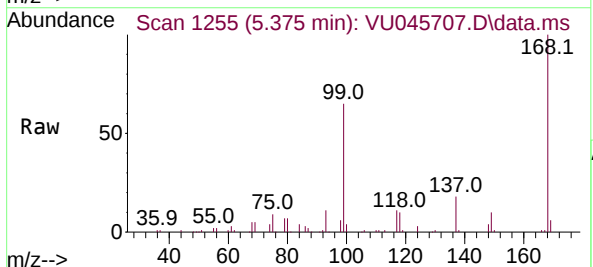
RT: 5.375 min Scan# 1255

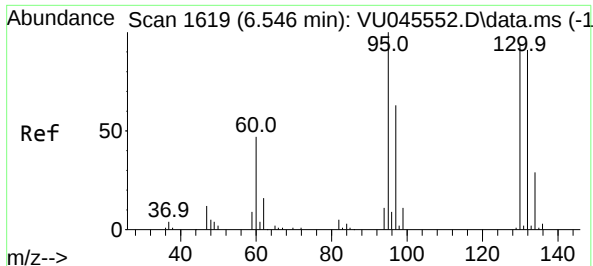
Delta R.T. -0.154 min

Lab File: VU045707.D

Acq: 10 Nov 2021 23:27

Tgt Ion: 117	Resp: 13782
Ion Ratio	Lower Upper
117	100
119	5.2 77.4 116.0#
121	0.0 24.8 37.2#

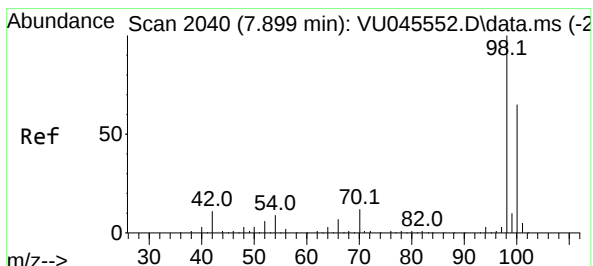
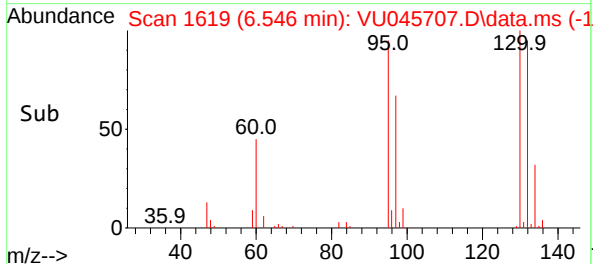
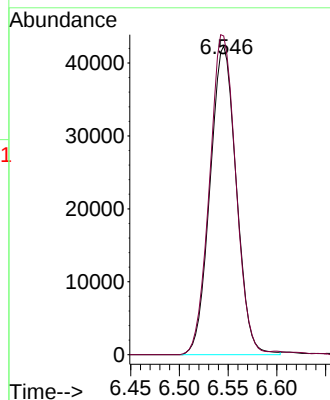
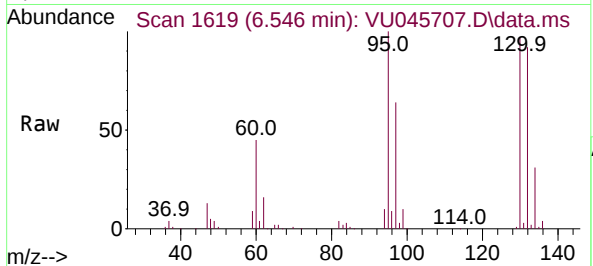




#44
Trichloroethene
Concen: 49.573 ug/l
RT: 6.546 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU045707.D
Acq: 10 Nov 2021 23:27

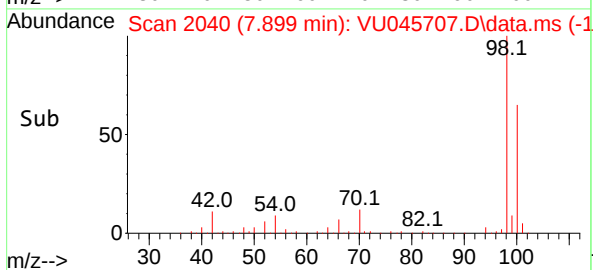
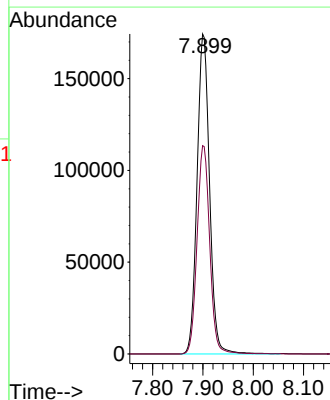
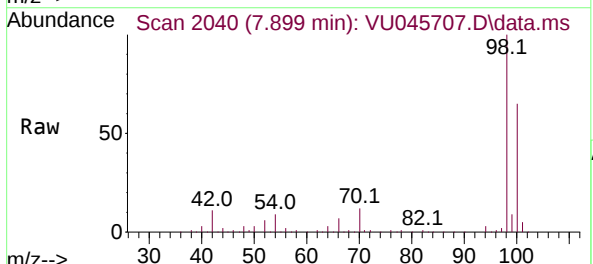
Instrument :
MSVOA_U
ClientSampleId :

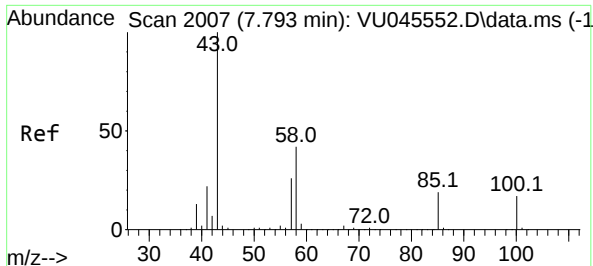
Tgt Ion:130 Resp: 79132
Ion Ratio Lower Upper
130 100
95 103.3 0.0 211.4



#50
Toluene-d8
Concen: 52.421 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU045707.D
Acq: 10 Nov 2021 23:27

Tgt Ion: 98 Resp: 300635
Ion Ratio Lower Upper
98 100
100 66.0 52.5 78.7

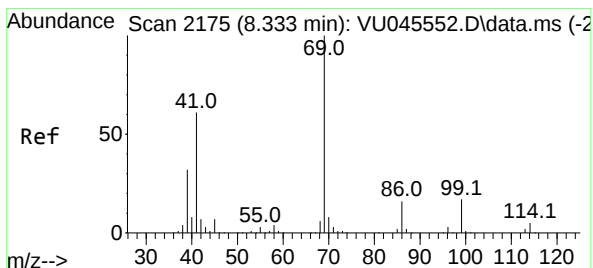
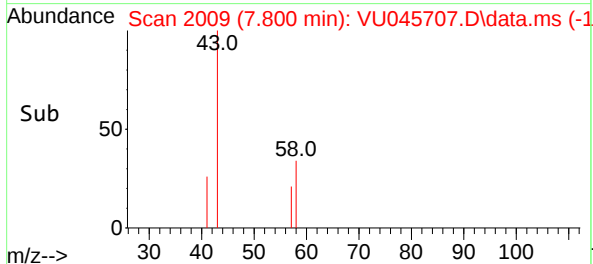
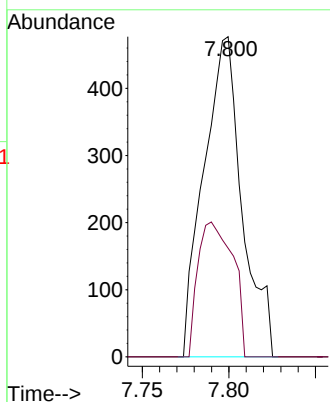
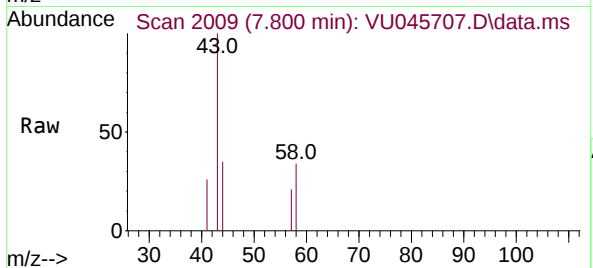




#51
4-Methyl-2-Pentanone
Concen: 0.282 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VU045707.D
Acq: 10 Nov 2021 23:27

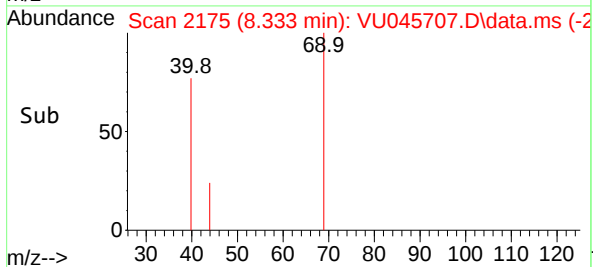
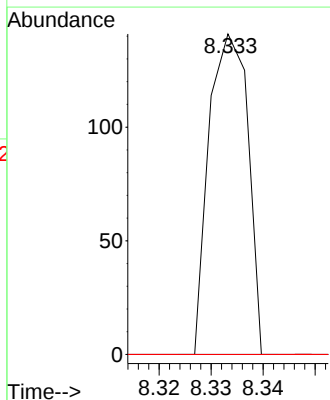
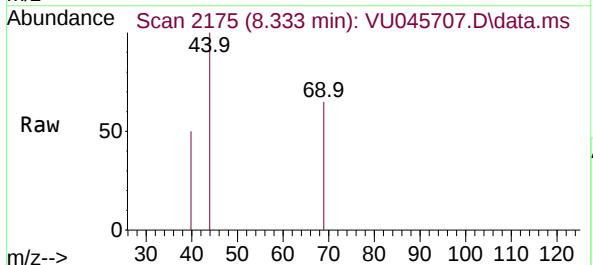
Instrument :
MSVOA_U
ClientSampleId :

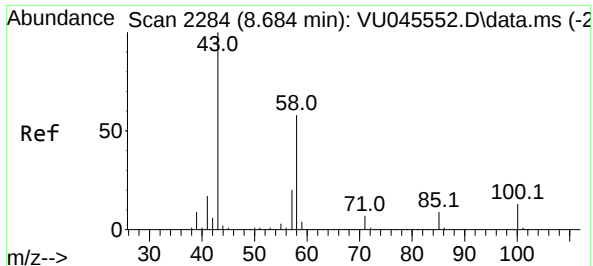
Tgt Ion: 43 Resp: 735
Ion Ratio Lower Upper
43 100
58 38.4 33.8 50.8



#56
Ethyl methacrylate
Concen: 2.447 ug/l
RT: 8.333 min Scan# 2175
Delta R.T. 0.000 min
Lab File: VU045707.D
Acq: 10 Nov 2021 23:27

Tgt Ion: 69 Resp: 73
Ion Ratio Lower Upper
69 100
41 0.0 51.0 76.4#
39 0.0 26.6 39.8#





#59

2-Hexanone

Concen: 7.893 ug/l

RT: 8.687 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU045707.D

Acq: 10 Nov 2021 23:27

Instrument :

MSVOA_U

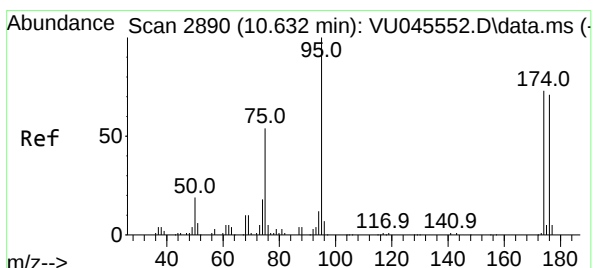
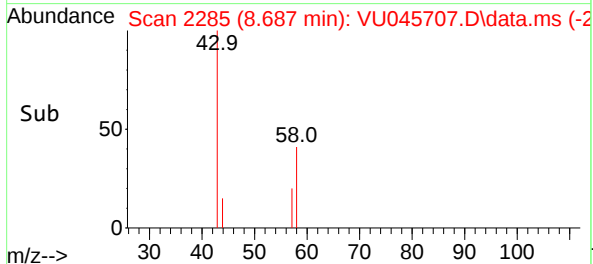
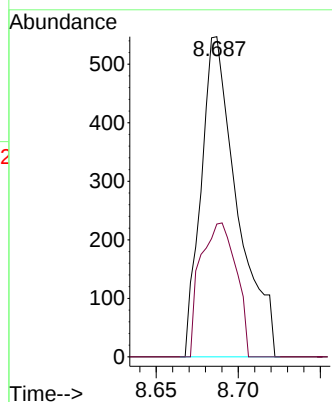
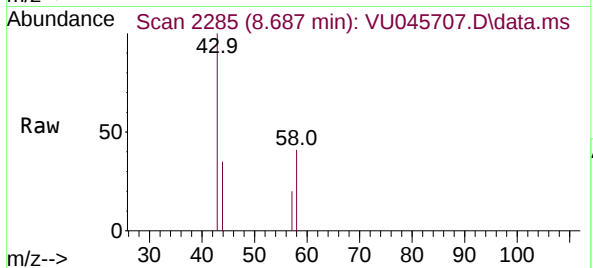
ClientSampleId :

Tgt Ion: 43 Resp: 839

Ion Ratio Lower Upper

43 100

58 41.0 29.5 88.6



#62

4-Bromofluorobenzene

Concen: 50.114 ug/l

RT: 10.635 min Scan# 2891

Delta R.T. 0.003 min

Lab File: VU045707.D

Acq: 10 Nov 2021 23:27

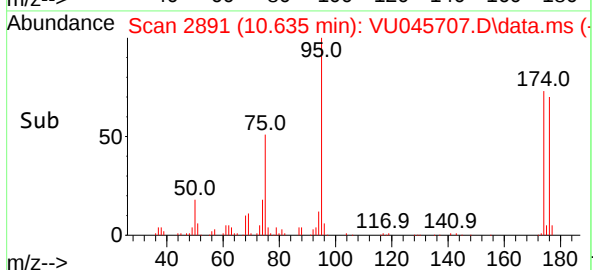
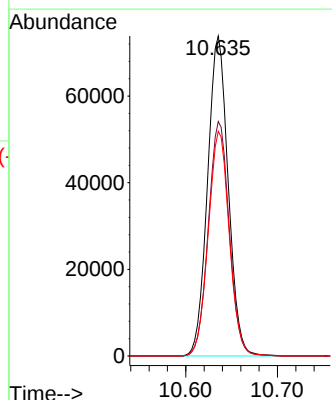
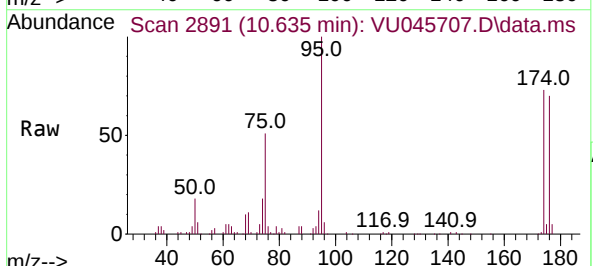
Tgt Ion: 95 Resp: 115248

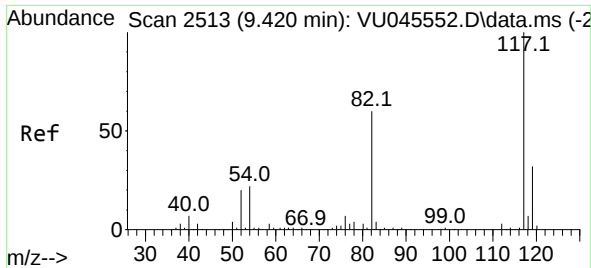
Ion Ratio Lower Upper

95 100

174 74.4 0.0 141.8

176 71.3 0.0 138.2

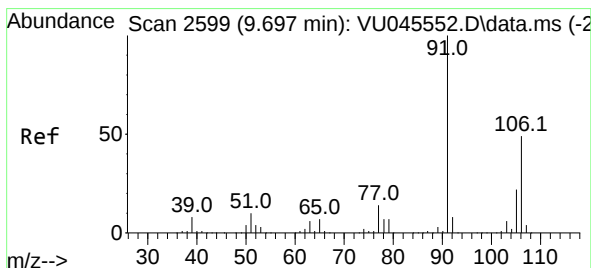
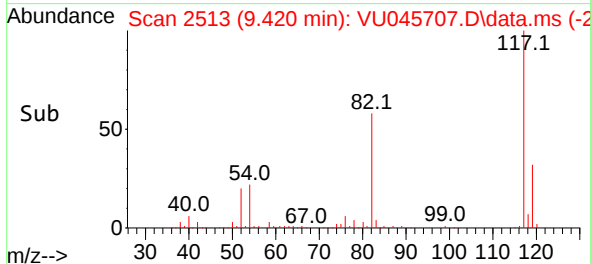
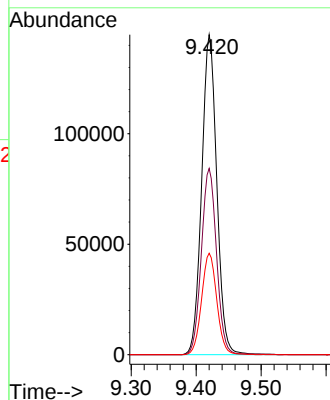
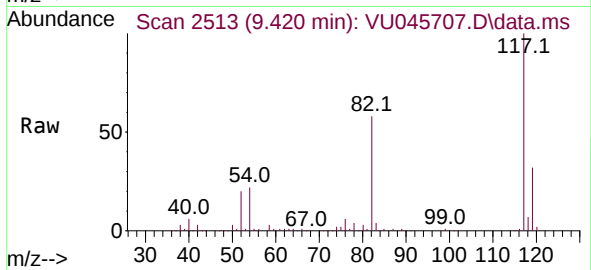




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU045707.D
Acq: 10 Nov 2021 23:27

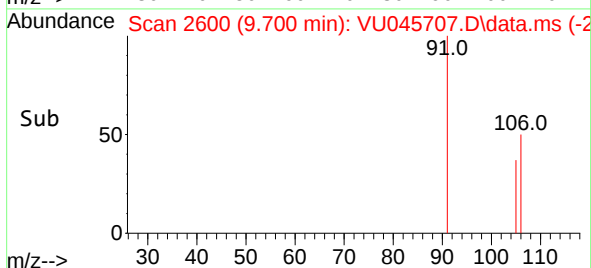
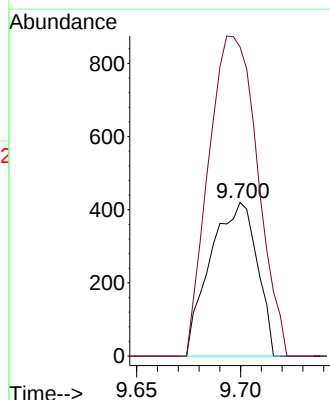
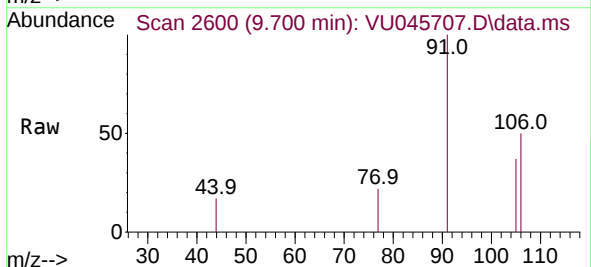
Instrument :
MSVOA_U
ClientSampleId :

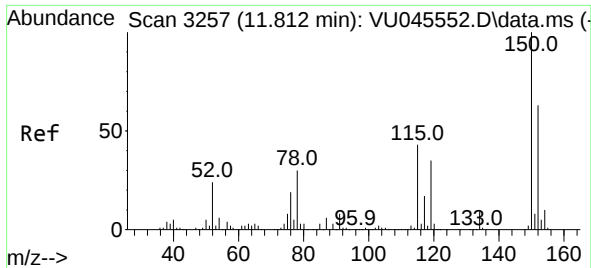
Tgt Ion:117 Resp: 234985
Ion Ratio Lower Upper
117 100
82 58.2 47.8 71.8
119 31.7 25.8 38.8



#68
m/p-Xylenes
Concen: 0.210 ug/l
RT: 9.700 min Scan# 2600
Delta R.T. 0.003 min
Lab File: VU045707.D
Acq: 10 Nov 2021 23:27

Tgt Ion:106 Resp: 656
Ion Ratio Lower Upper
106 100
91 218.3 164.7 247.1

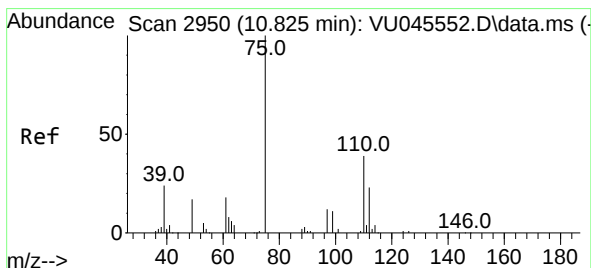
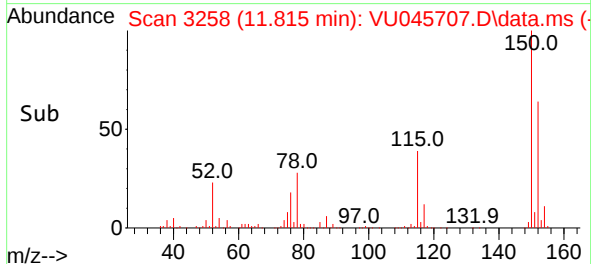
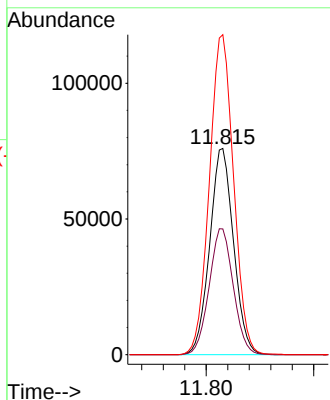
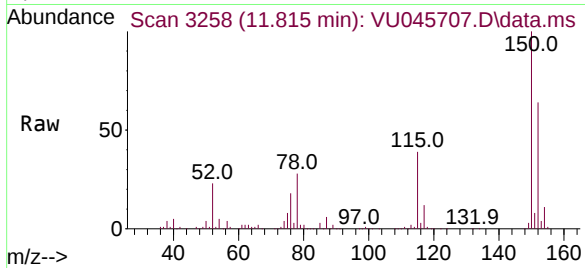




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.815 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU045707.D
 Acq: 10 Nov 2021 23:27

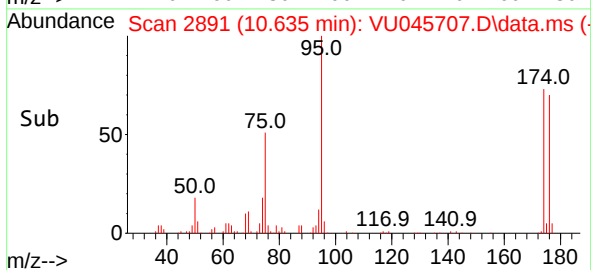
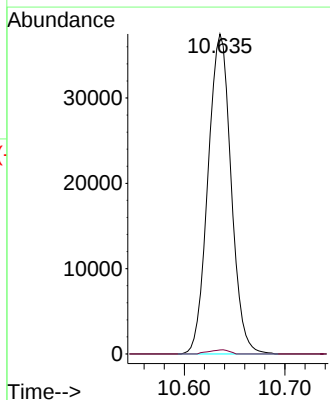
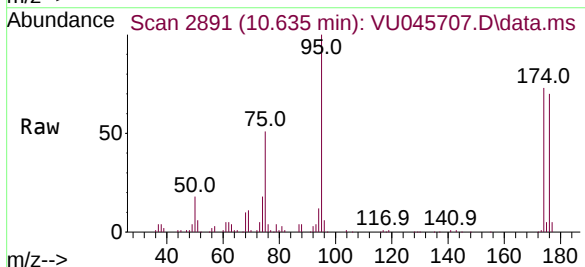
Instrument :
 MSVOA_U
 ClientSampleId :

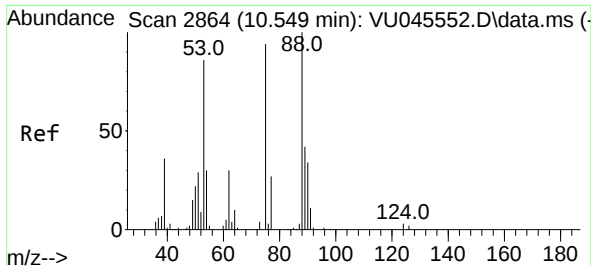
Tgt Ion:152 Resp: 117013
 Ion Ratio Lower Upper
 152 100
 115 61.7 42.7 128.1
 150 157.3 0.0 346.8



#76
 1,2,3-Trichloropropane
 Concen: 16.874 ug/l
 RT: 10.635 min Scan# 2891
 Delta R.T. -0.190 min
 Lab File: VU045707.D
 Acq: 10 Nov 2021 23:27

Tgt Ion: 75 Resp: 59876
 Ion Ratio Lower Upper
 75 100
 77 1.1 17.1 51.3#

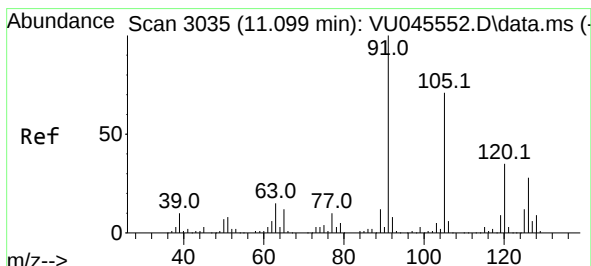
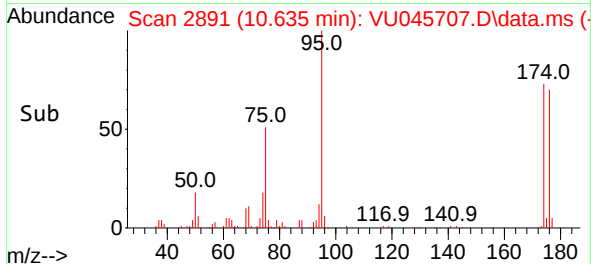
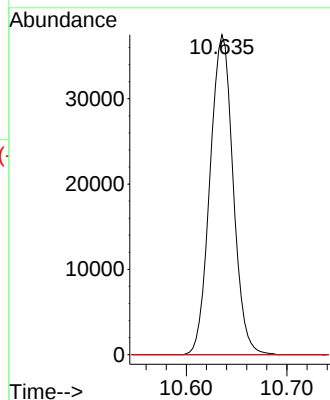
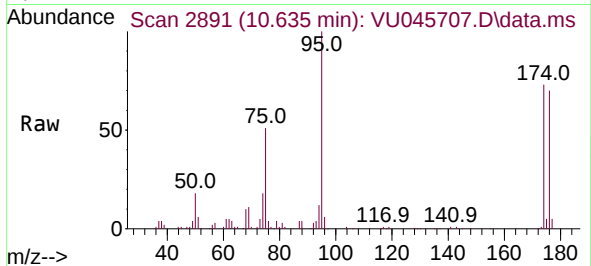




#81
trans-1,4-Dichloro-2-butene
Concen: 54.961 ug/l
RT: 10.635 min Scan# 2864
Delta R.T. 0.086 min
Lab File: VU045707.D
Acq: 10 Nov 2021 23:27

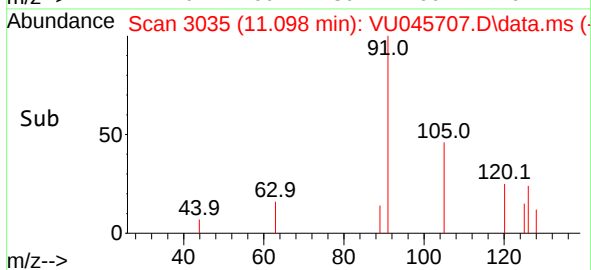
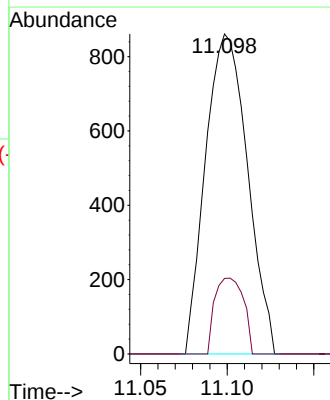
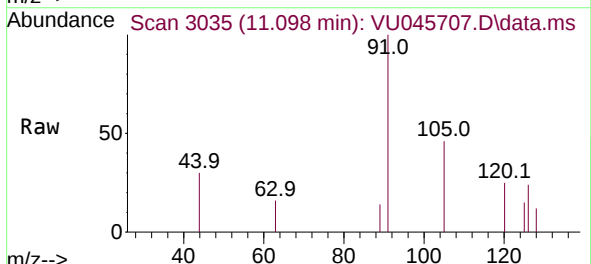
Instrument :
MSVOA_U
ClientSampleId :

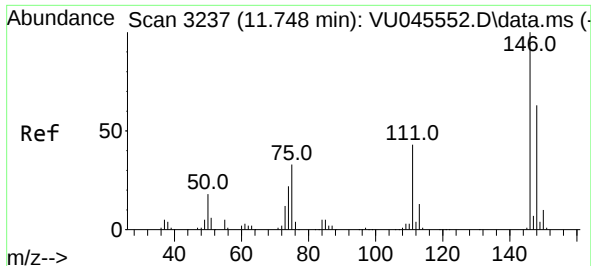
Tgt Ion: 75 Resp: 59876
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#



#82
4-Chlorotoluene
Concen: 0.220 ug/l
RT: 11.098 min Scan# 3035
Delta R.T. -0.000 min
Lab File: VU045707.D
Acq: 10 Nov 2021 23:27

Tgt Ion: 91 Resp: 1449
Ion Ratio Lower Upper
91 100
126 16.1 13.8 41.4





#87

1,3-Dichlorobenzene

Concen: 0.271 ug/l

RT: 11.751 min Scan# 31

Delta R.T. 0.003 min

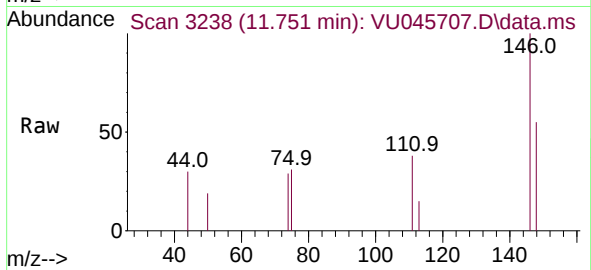
Lab File: VU045707.D

Acq: 10 Nov 2021 23:27

Instrument :

MSVOA_U

ClientSampleId :



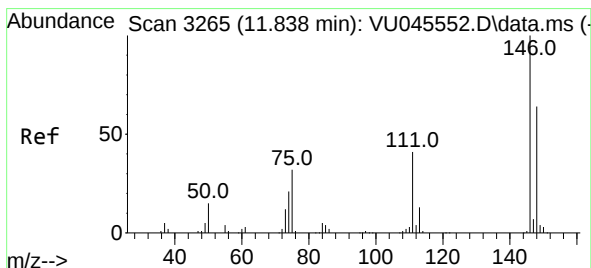
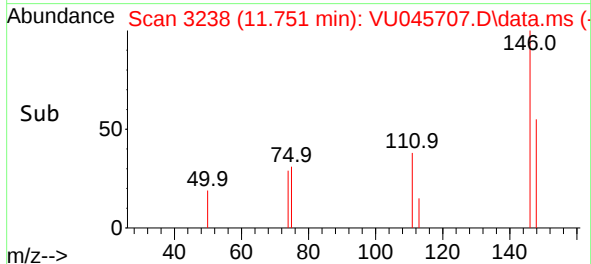
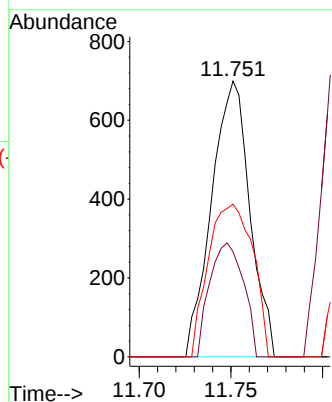
Tgt Ion:146 Resp: 1015

Ion Ratio Lower Upper

146 100

111 36.5 21.3 63.9

148 64.4 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 0.268 ug/l

RT: 11.751 min Scan# 3238

Delta R.T. -0.087 min

Lab File: VU045707.D

Acq: 10 Nov 2021 23:27

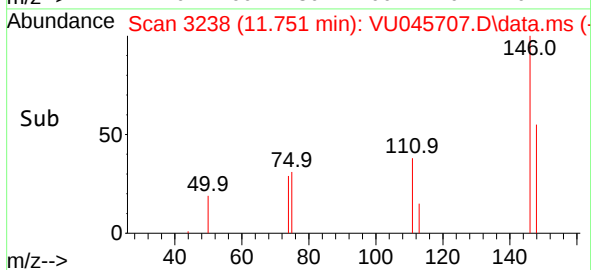
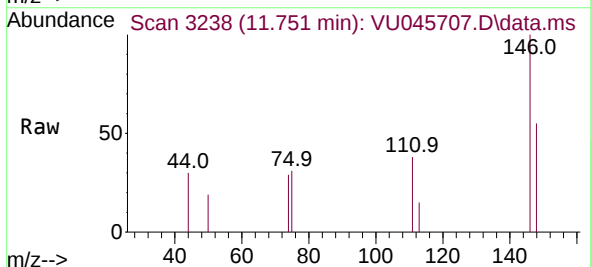
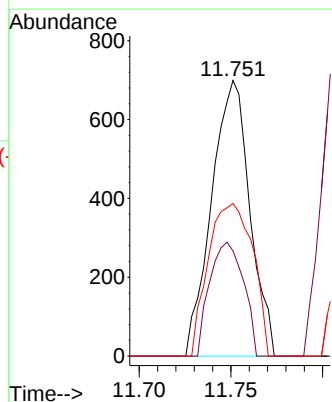
Tgt Ion:146 Resp: 1015

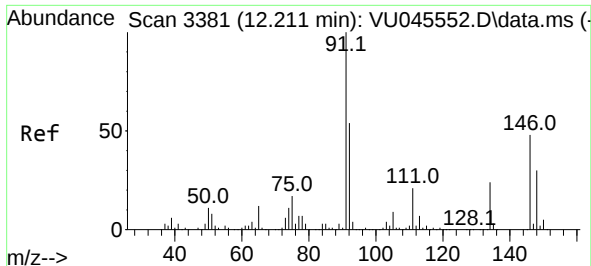
Ion Ratio Lower Upper

146 100

111 36.5 20.6 61.9

148 64.4 31.9 95.7





#89

n-Butylbenzene

Concen: 0.265 ug/l

RT: 12.211 min Scan# 3381

Delta R.T. -0.000 min

Lab File: VU045707.D

Acq: 10 Nov 2021 23:27

Instrument :

MSVOA_U

ClientSampleId :

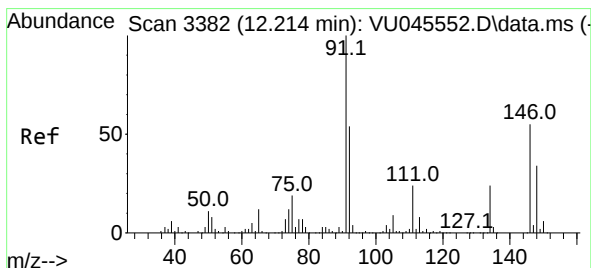
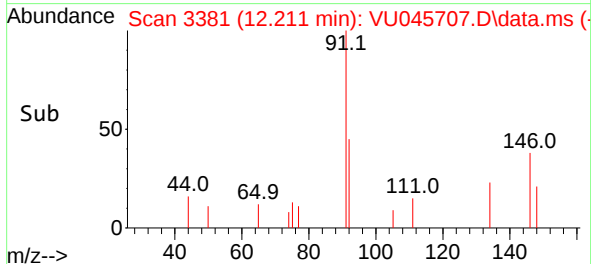
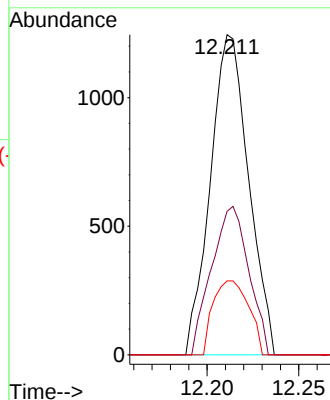
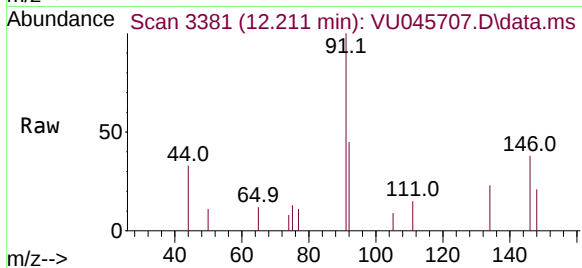
Tgt Ion: 91 Resp: 1803

Ion Ratio Lower Upper

91 100

92 45.1 27.1 81.2

134 21.5 11.8 35.4



#91

1,2-Dichlorobenzene

Concen: 0.232 ug/l

RT: 12.214 min Scan# 3382

Delta R.T. -0.000 min

Lab File: VU045707.D

Acq: 10 Nov 2021 23:27

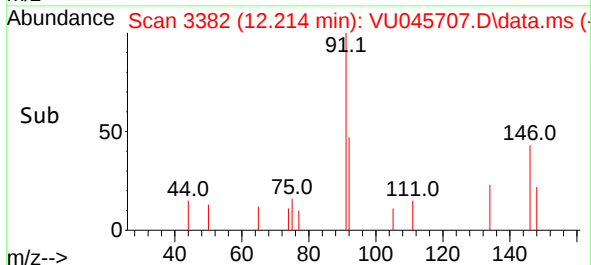
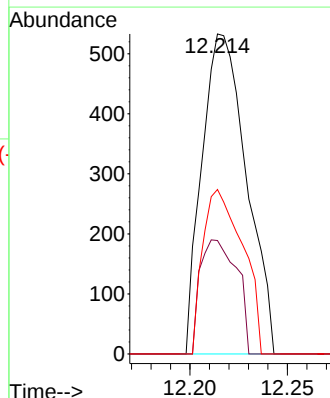
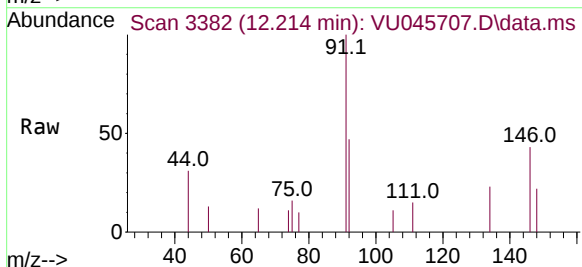
Tgt Ion: 146 Resp: 847

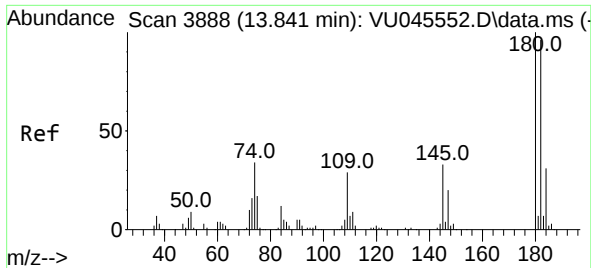
Ion Ratio Lower Upper

146 100

111 29.3 21.9 65.5

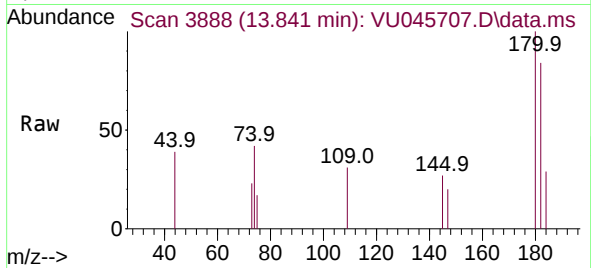
148 46.2 32.1 96.3



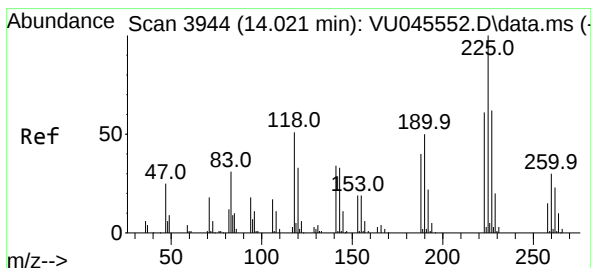
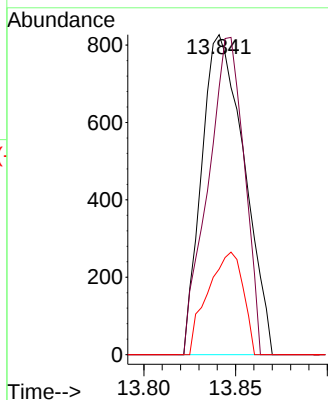
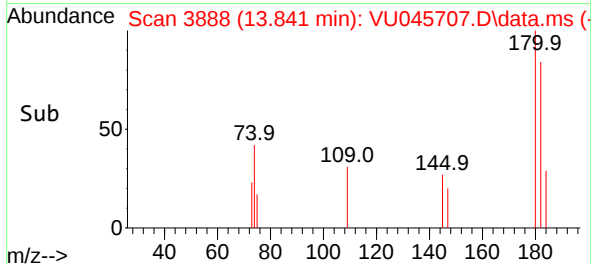


#93
 1,2,4-Trichlorobenzene
 Concen: 0.530 ug/l
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU045707.D
 Acq: 10 Nov 2021 23:27

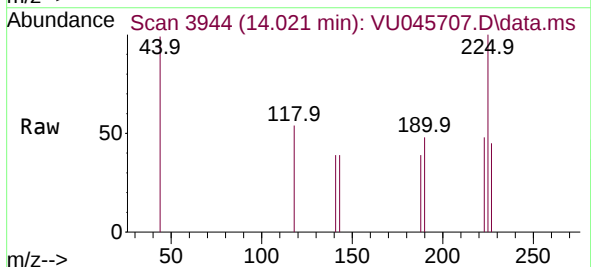
Instrument :
 MSVOA_U
 ClientSampleId :



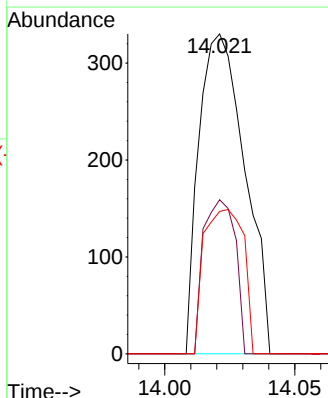
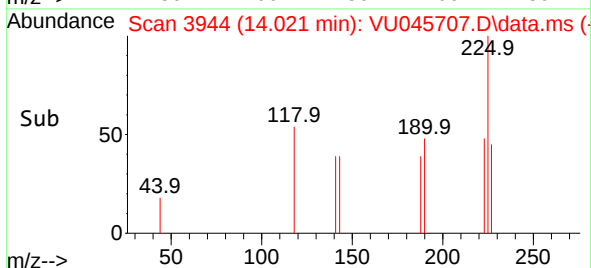
Tgt Ion:180 Resp: 1336
 Ion Ratio Lower Upper
 180 100
 182 84.4 47.0 141.2
 145 26.6 15.6 46.7

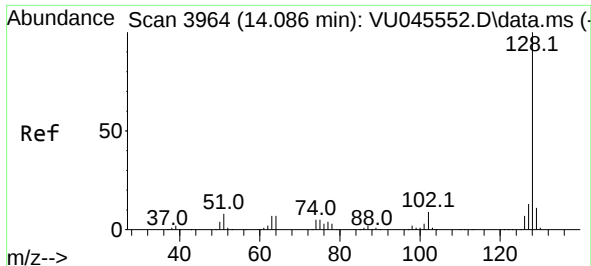


#94
 Hexachlorobutadiene
 Concen: 0.373 ug/l
 RT: 14.021 min Scan# 3944
 Delta R.T. -0.000 min
 Lab File: VU045707.D
 Acq: 10 Nov 2021 23:27



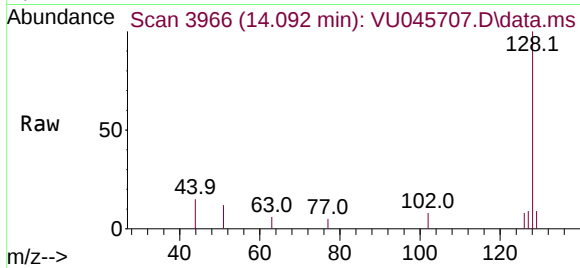
Tgt Ion:225 Resp: 406
 Ion Ratio Lower Upper
 225 100
 223 33.3 32.0 96.2
 227 38.7 31.1 93.5



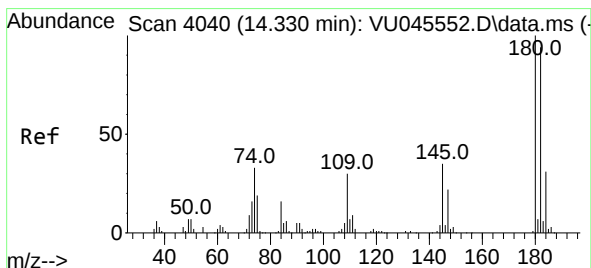
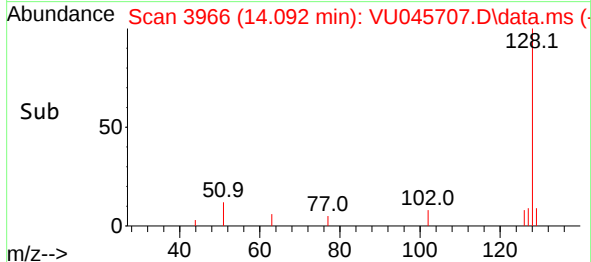
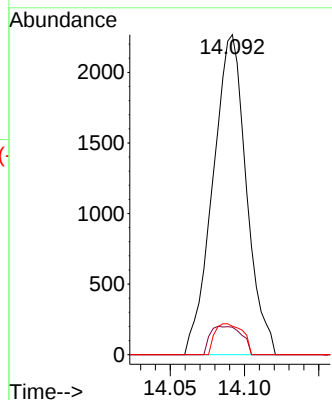


#95
Naphthalene
Concen: 1.396 ug/l
RT: 14.092 min Scan# 3964
Delta R.T. 0.006 min
Lab File: VU045707.D
Acq: 10 Nov 2021 23:27

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 3550
Ion Ratio Lower Upper
128 100
127 8.3 10.6 15.8#
129 8.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.479 ug/l
RT: 14.333 min Scan# 4041
Delta R.T. 0.003 min
Lab File: VU045707.D
Acq: 10 Nov 2021 23:27

Tgt Ion:180 Resp: 1198
Ion Ratio Lower Upper
180 100
182 88.1 47.7 143.1
145 35.6 16.7 50.0

