

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111021\
 Data File : VU045704.D
 Acq On : 10 Nov 2021 21:54
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 11 02:33:44 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)

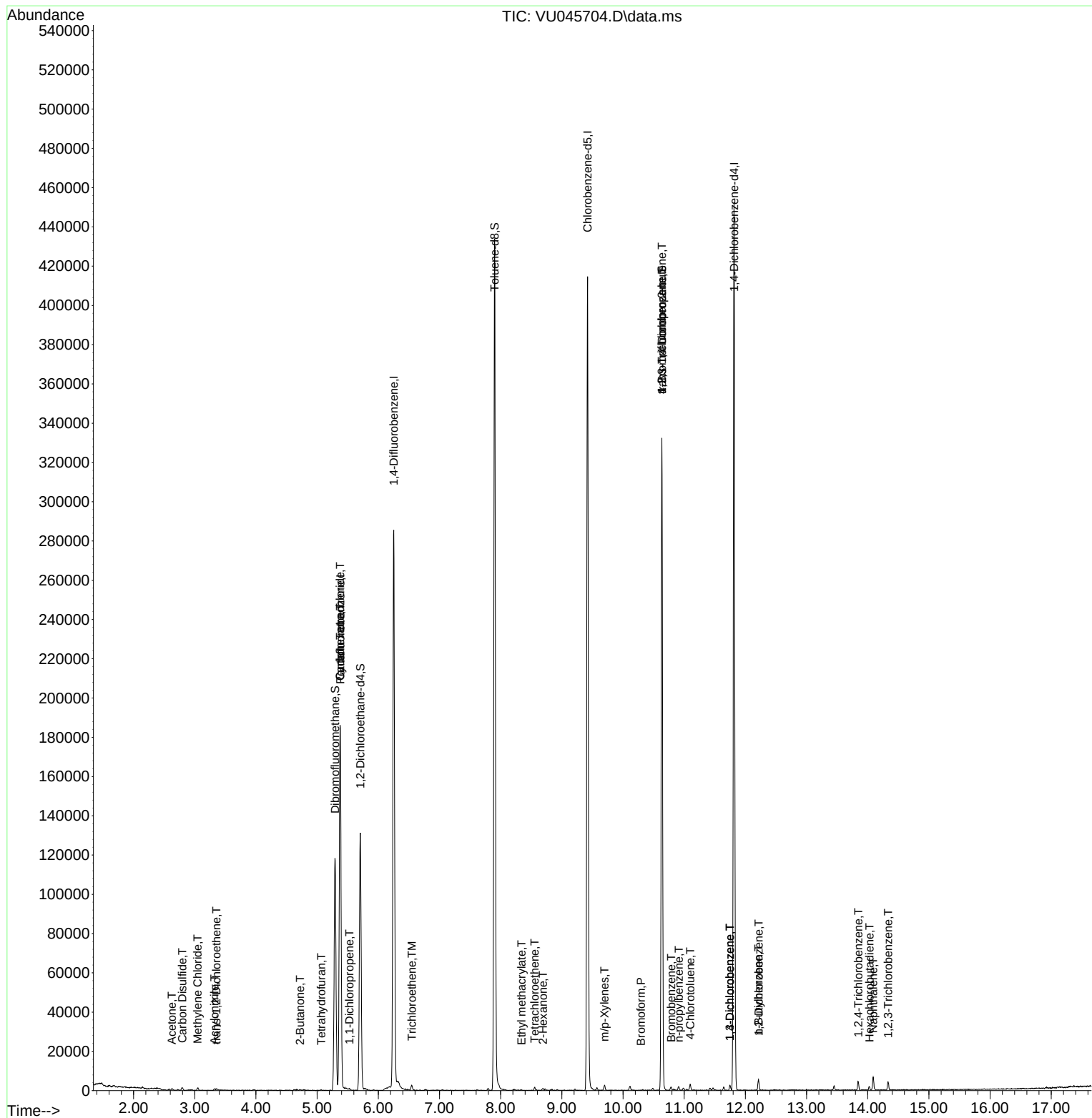
Internal Standards						
1) Pentafluorobenzene	5.378	168	122014	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	222902	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	223983	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	112262	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	97415	53.311	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery	= 106.620%		
35) Dibromofluoromethane	5.292	113	75697	50.865	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 101.720%		
50) Toluene-d8	7.902	98	291073	52.599	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery	= 105.200%		
62) 4-Bromofluorobenzene	10.635	95	110645	49.861	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery	= 99.720%		
Target Compounds						
						Qvalue
15) Acrylonitrile	3.321	53	546	0.565	ug/l #	80
16) Acetone	2.626	43	938	1.008	ug/l	96
17) Carbon Disulfide	2.797	76	1986	0.528	ug/l #	75
20) Methylene Chloride	3.044	84	609	0.377	ug/l #	84
21) trans-1,2-Dichloroethene	3.356	96	303	0.217	ug/l	86
25) 2-Butanone	4.719	43	369	0.286	ug/l #	47
29) Tetrahydrofuran	5.070	42	228	0.289	ug/l #	30
31) Cyclohexane	5.375	56	3107	1.165	ug/l #	1
36) 1,1-Dichloropropene	5.530	75	468	0.215	ug/l #	42
38) Carbon Tetrachloride	5.375	117	12997	5.931	ug/l #	17
44) Trichloroethene	6.549	130	897	0.582	ug/l	91
56) Ethyl methacrylate	8.343	69	90	2.453	ug/l #	26
59) 2-Hexanone	8.690	43	865	7.918	ug/l	93
64) Tetrachloroethene	8.555	164	308	0.240	ug/l #	73
68) m/p-Xylenes	9.697	106	973	0.327	ug/l	98
71) Bromoform	10.291	173	94	3.146	ug/l #	29
76) 1,2,3-Trichloropropane	10.635	75	58281	17.119	ug/l #	42
77) Bromobenzene	10.787	156	401	0.225	ug/l	80
78) n-propylbenzene	10.912	91	2055	0.225	ug/l	94
81) trans-1,4-Dichloro-2-b...	10.635	75	58281	55.717	ug/l #	12
82) 4-Chlorotoluene	11.098	91	1748	0.276	ug/l	91
87) 1,3-Dichlorobenzene	11.748	146	1330	0.370	ug/l	94
88) 1,4-Dichlorobenzene	11.748	146	1330	0.366	ug/l	95
89) n-Butylbenzene	12.214	91	2280	0.350	ug/l	98
91) 1,2-Dichlorobenzene	12.217	146	993	0.284	ug/l	97
93) 1,2,4-Trichlorobenzene	13.844	180	1558	0.645	ug/l	87
94) Hexachlorobutadiene	14.028	225	560	0.537	ug/l	75
95) Naphthalene	14.089	128	5486	1.620	ug/l	96
96) 1,2,3-Trichlorobenzene	14.336	180	1682	0.701	ug/l	92

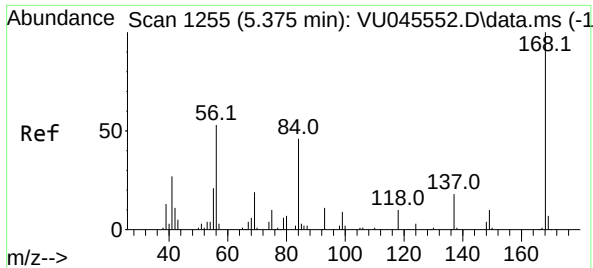
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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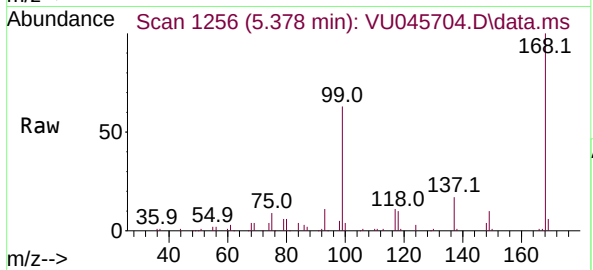
Quant Time: Nov 11 02:33:44 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 05 13:35:16 2021
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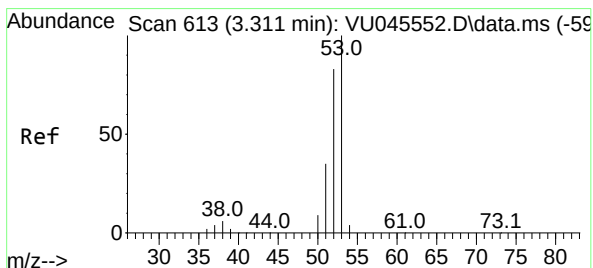
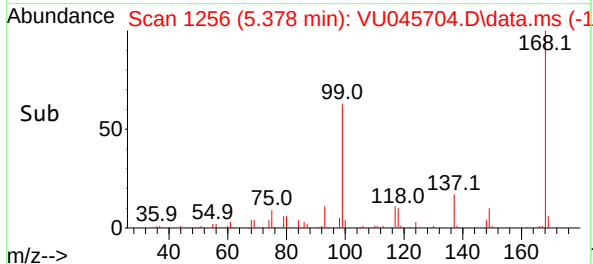
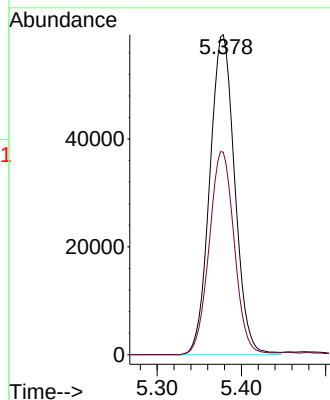


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU045704.D
Acq: 10 Nov 2021 21:54

Instrument :
MSVOA_U
ClientSampleId :

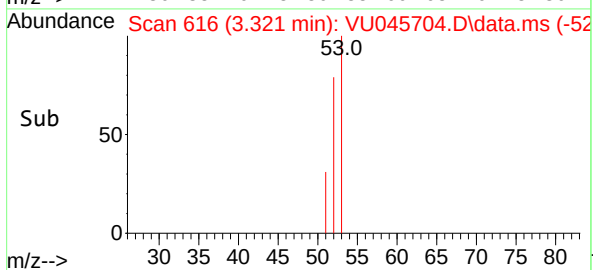
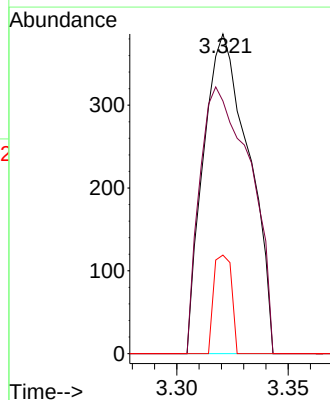
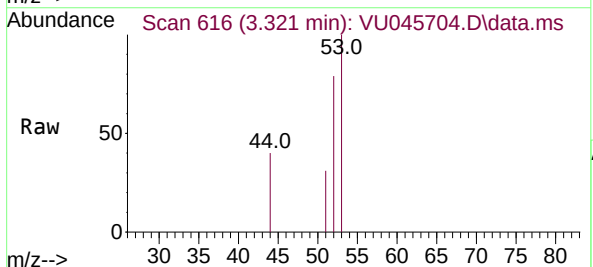


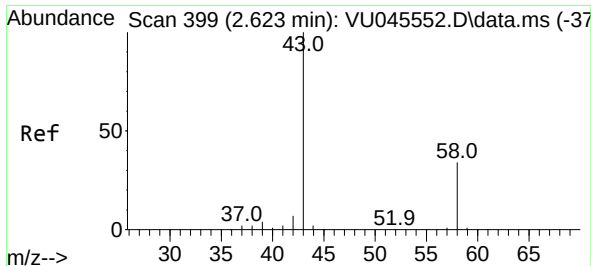
Tgt Ion:168 Resp: 122014
Ion Ratio Lower Upper
168 100
99 63.3 51.0 76.6



#15
Acrylonitrile
Concen: 0.565 ug/l
RT: 3.321 min Scan# 616
Delta R.T. 0.010 min
Lab File: VU045704.D
Acq: 10 Nov 2021 21:54

Tgt Ion: 53 Resp: 546
Ion Ratio Lower Upper
53 100
52 93.0 66.6 100.0
51 12.1 28.4 42.6#





#16

Acetone

Concen: 1.008 ug/l

RT: 2.626 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU045704.D

Acq: 10 Nov 2021 21:54

Instrument :

MSVOA_U

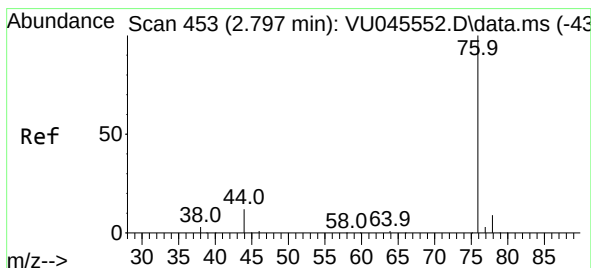
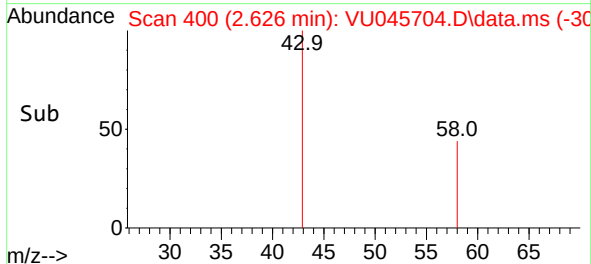
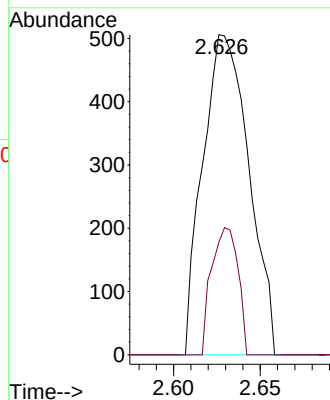
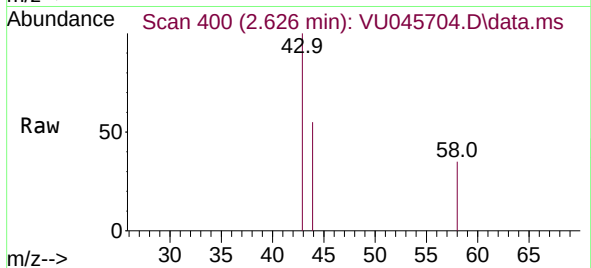
ClientSampleId :

Tgt Ion: 43 Resp: 938

Ion Ratio Lower Upper

43 100

58 35.2 26.2 39.2



#17

Carbon Disulfide

Concen: 0.528 ug/l

RT: 2.797 min Scan# 453

Delta R.T. -0.000 min

Lab File: VU045704.D

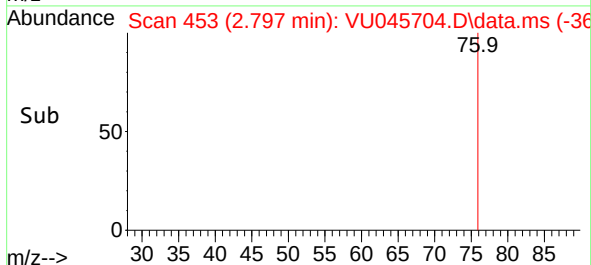
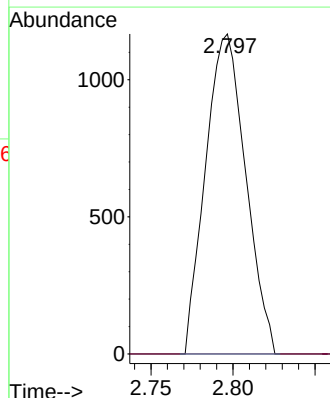
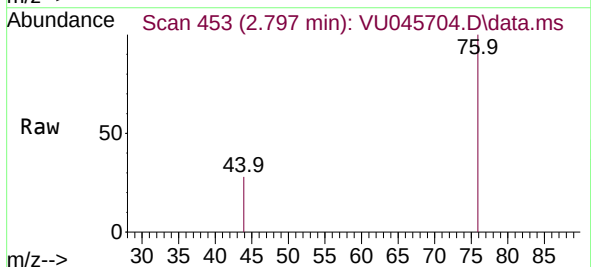
Acq: 10 Nov 2021 21:54

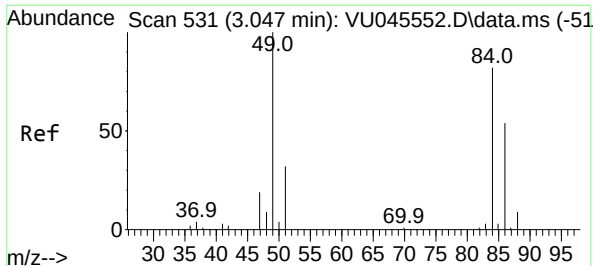
Tgt Ion: 76 Resp: 1986

Ion Ratio Lower Upper

76 100

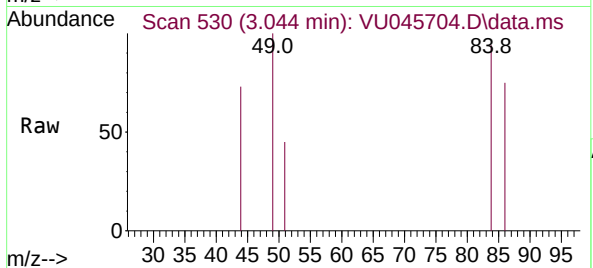
78 0.0 7.3 10.9#



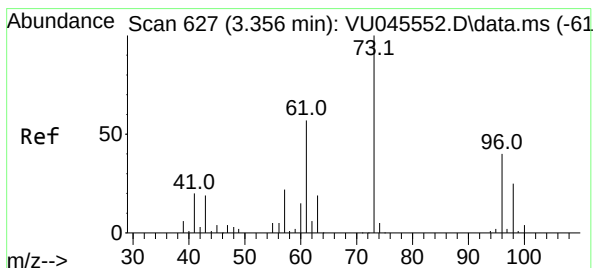
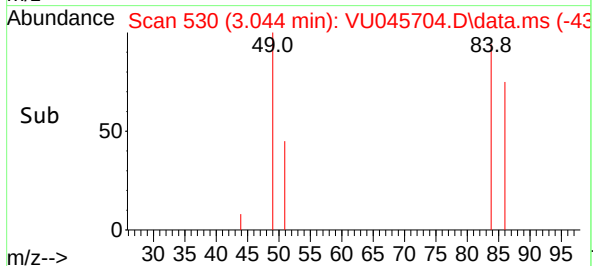
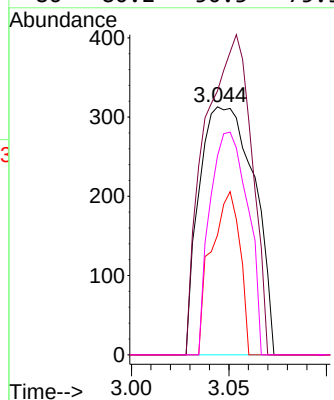


#20
Methylene Chloride
Concen: 0.377 ug/l
RT: 3.044 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU045704.D
Acq: 10 Nov 2021 21:54

Instrument :
MSVOA_U
ClientSampleId :

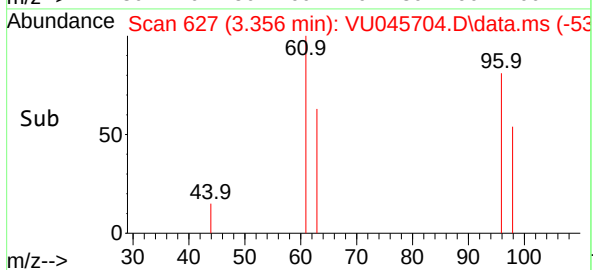
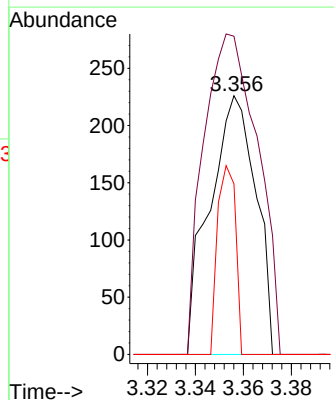
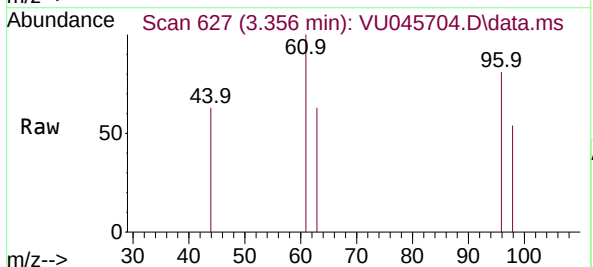


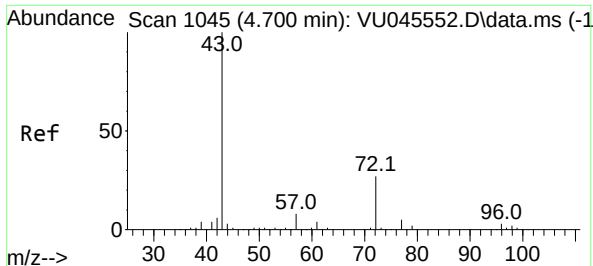
Tgt Ion: 84	Resp: 609
Ion Ratio	Lower Upper
84 100	
49 106.4	96.4 144.6
51 48.2	30.5 45.7#
86 80.2	50.3 75.5#



#21
trans-1,2-Dichloroethene
Concen: 0.217 ug/l
RT: 3.356 min Scan# 627
Delta R.T. -0.000 min
Lab File: VU045704.D
Acq: 10 Nov 2021 21:54

Tgt Ion: 96	Resp: 303		
Ion Ratio	Lower	Upper	
96 100			
61 123.0	118.2	177.4	
98 65.9	52.1	78.1	





#25

2-Butanone

Concen: 0.286 ug/l

RT: 4.719 min Scan# 1105

Delta R.T. 0.019 min

Lab File: VU045704.D

Acq: 10 Nov 2021 21:54

Instrument :

MSVOA_U

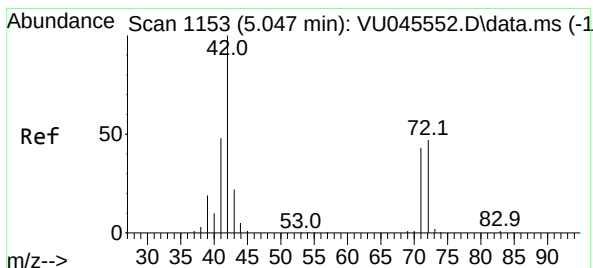
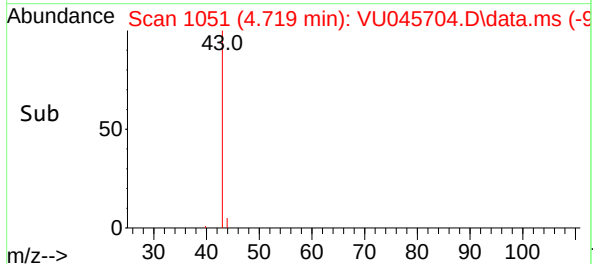
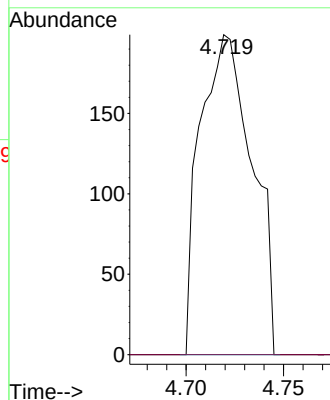
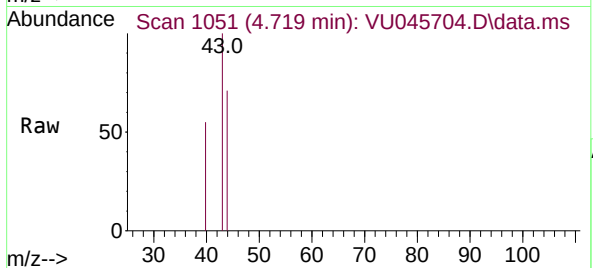
ClientSampleId :

Tgt Ion: 43 Resp: 369

Ion Ratio Lower Upper

43 100

72 0.0 22.0 33.0#



#29

Tetrahydrofuran

Concen: 0.289 ug/l

RT: 5.070 min Scan# 1160

Delta R.T. 0.022 min

Lab File: VU045704.D

Acq: 10 Nov 2021 21:54

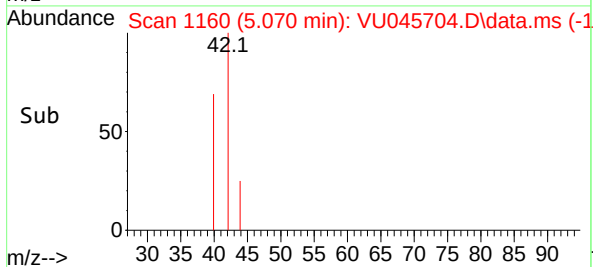
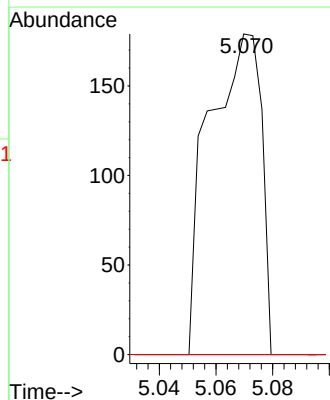
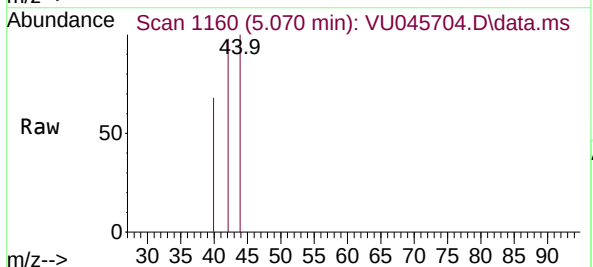
Tgt Ion: 42 Resp: 228

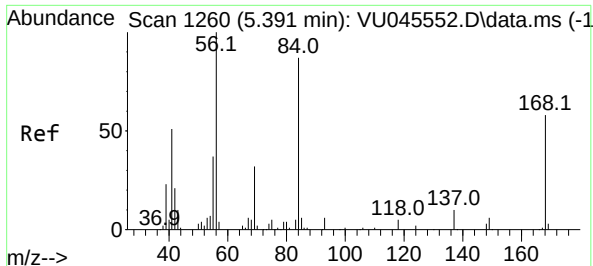
Ion Ratio Lower Upper

42 100

72 0.0 38.2 57.4#

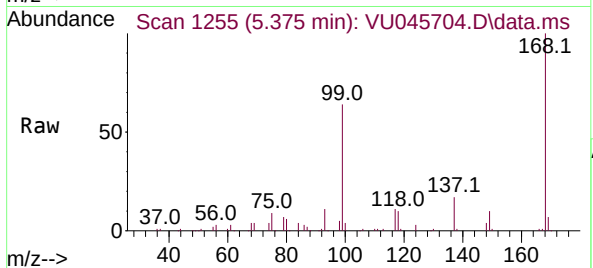
71 0.0 35.4 53.2#



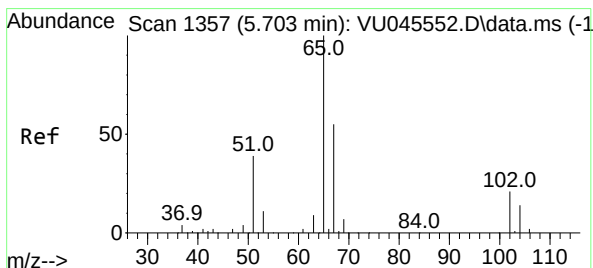
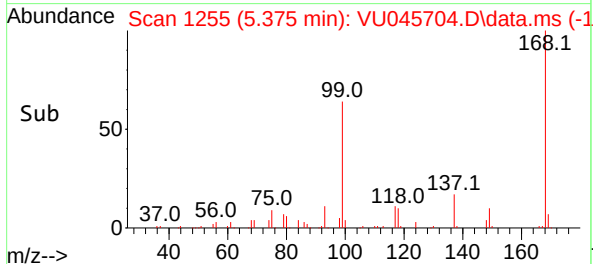
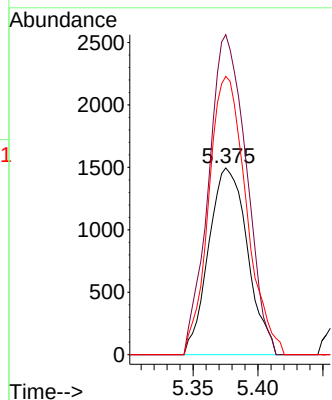


#31
Cyclohexane
Concen: 1.165 ug/l
RT: 5.375 min Scan# 11
Delta R.T. -0.016 min
Lab File: VU045704.D
Acq: 10 Nov 2021 21:54

Instrument :
MSVOA_U
ClientSampleId :

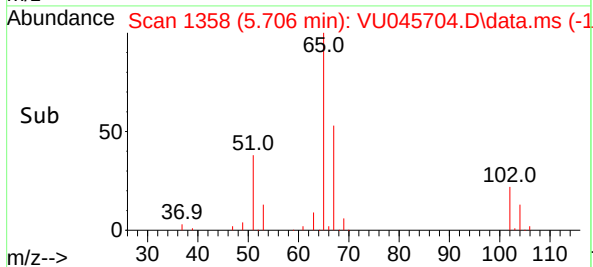
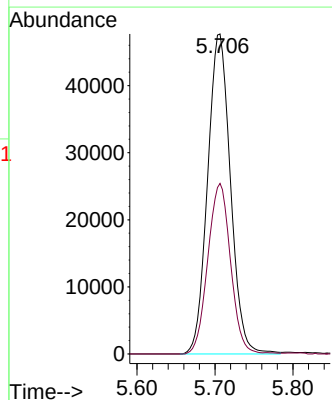
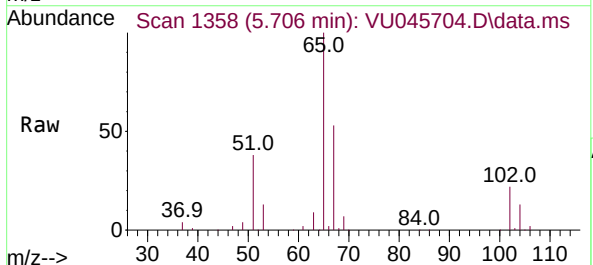


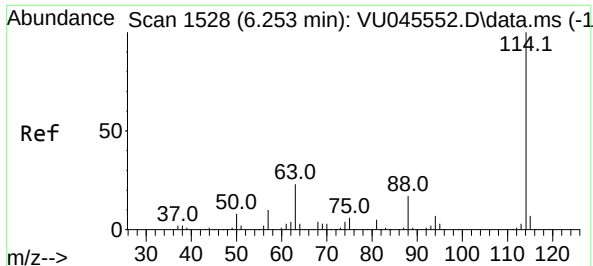
Tgt Ion: 56 Resp: 3107
Ion Ratio Lower Upper
56 100
69 171.4 26.4 39.6#
84 149.0 68.4 102.6#



#33
1,2-Dichloroethane-d4
Concen: 53.311 ug/l
RT: 5.706 min Scan# 1358
Delta R.T. 0.003 min
Lab File: VU045704.D
Acq: 10 Nov 2021 21:54

Tgt Ion: 65 Resp: 97415
Ion Ratio Lower Upper
65 100
67 52.8 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: VU045704.D

Acq: 10 Nov 2021 21:54

Instrument :

MSVOA_U

ClientSampleId :

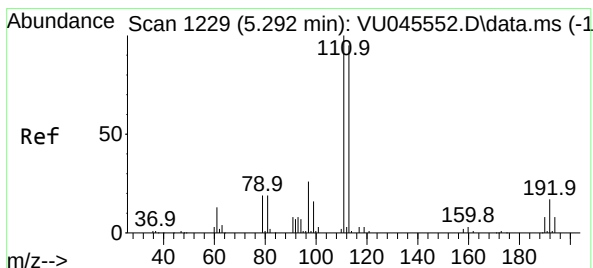
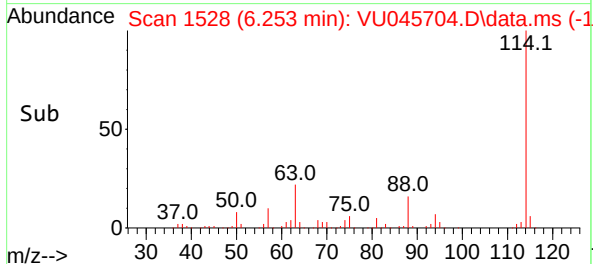
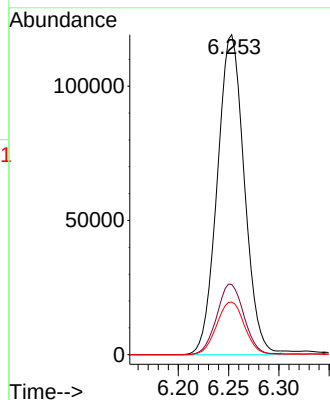
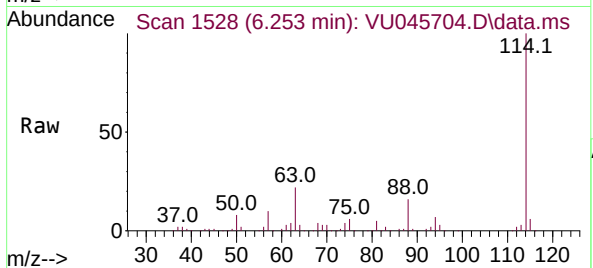
Tgt Ion:114 Resp: 222902

Ion Ratio Lower Upper

114 100

63 21.9 0.0 45.6

88 16.5 0.0 33.8



#35

Dibromofluoromethane

Concen: 50.865 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VU045704.D

Acq: 10 Nov 2021 21:54

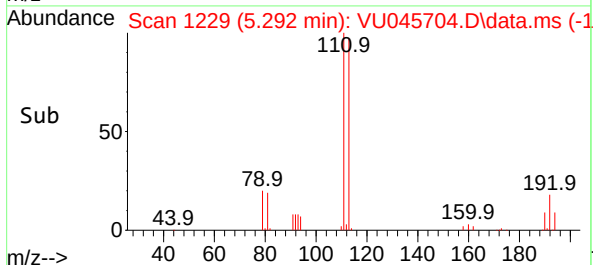
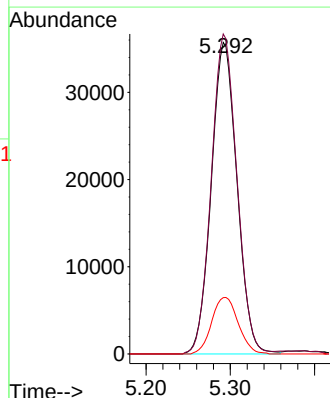
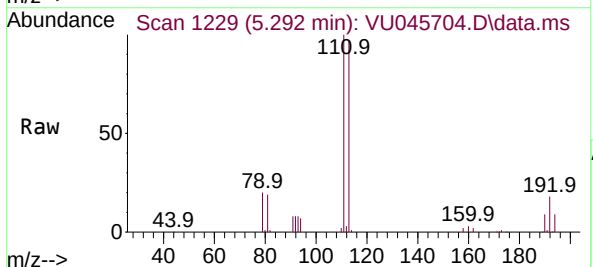
Tgt Ion:113 Resp: 75697

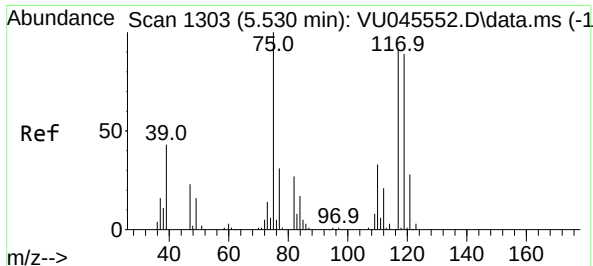
Ion Ratio Lower Upper

113 100

111 102.5 82.8 124.2

192 18.7 14.8 22.2





#36

1,1-Dichloropropene

Concen: 0.215 ug/l

RT: 5.530 min Scan# 11

Delta R.T. -0.000 min

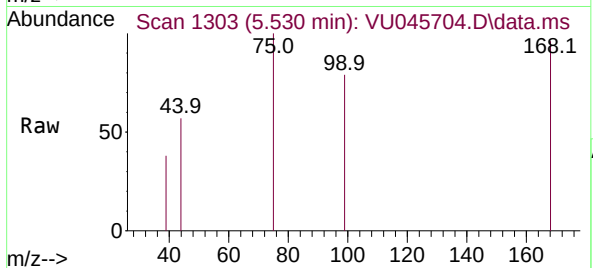
Lab File: VU045704.D

Acq: 10 Nov 2021 21:54

Instrument :

MSVOA_U

ClientSampleId :



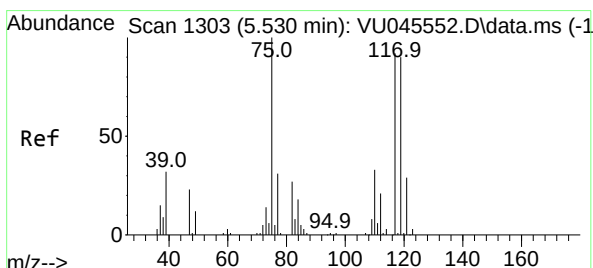
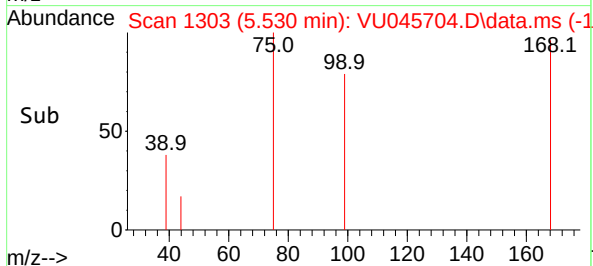
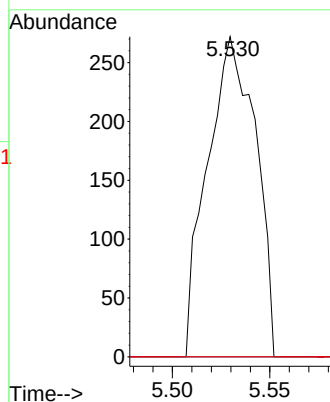
Tgt Ion: 75 Resp: 468

Ion Ratio Lower Upper

75 100

110 0.0 16.7 50.0#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.931 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.154 min

Lab File: VU045704.D

Acq: 10 Nov 2021 21:54

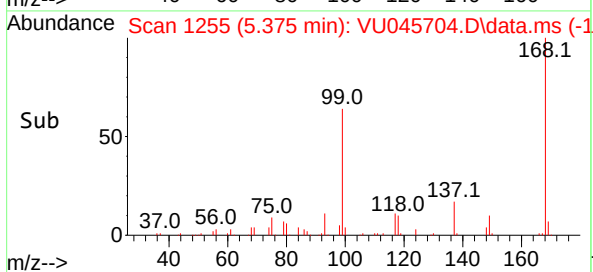
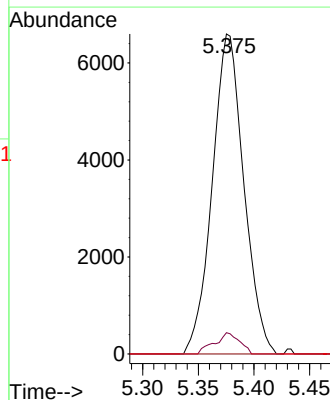
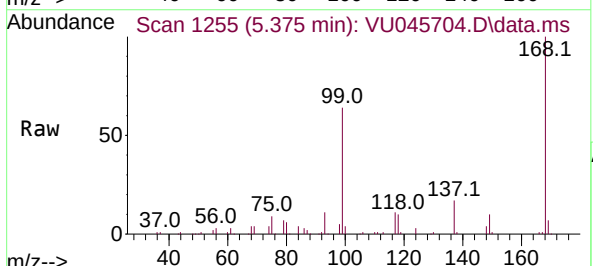
Tgt Ion: 117 Resp: 12997

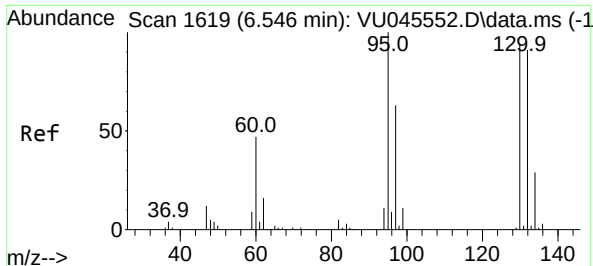
Ion Ratio Lower Upper

117 100

119 6.6 77.4 116.0#

121 0.0 24.8 37.2#

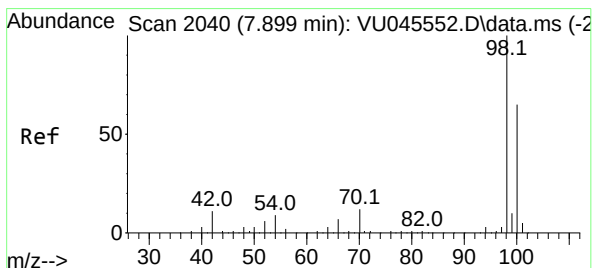
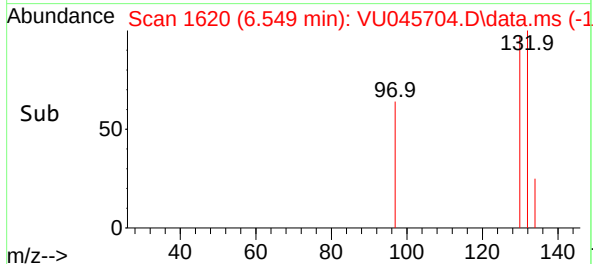
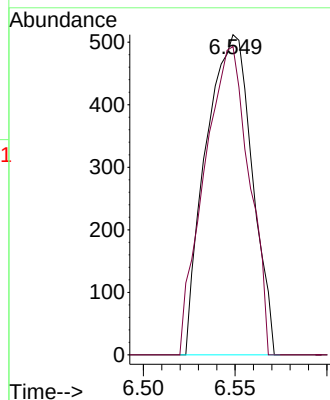
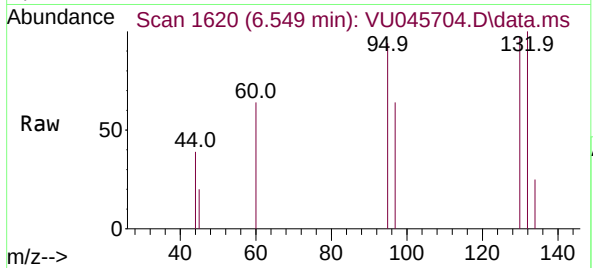




#44
Trichloroethene
Concen: 0.582 ug/l
RT: 6.549 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU045704.D
Acq: 10 Nov 2021 21:54

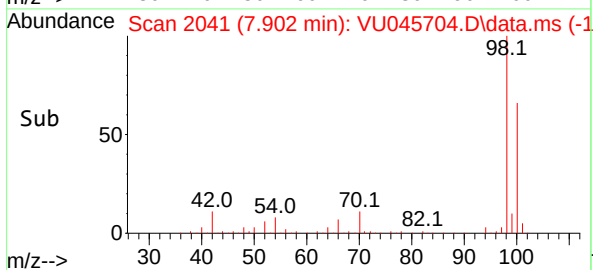
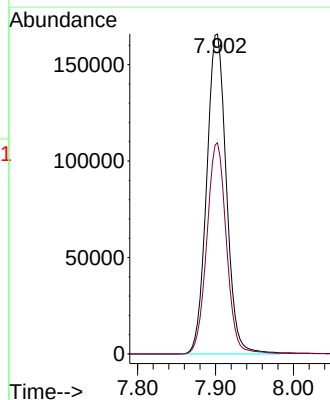
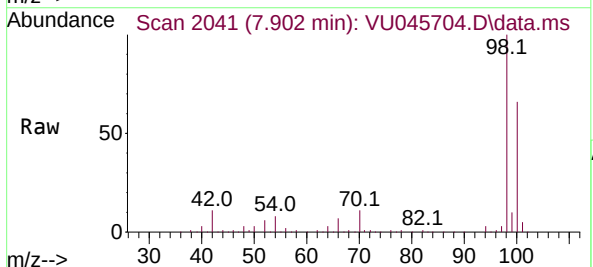
Instrument :
MSVOA_U
ClientSampleId :

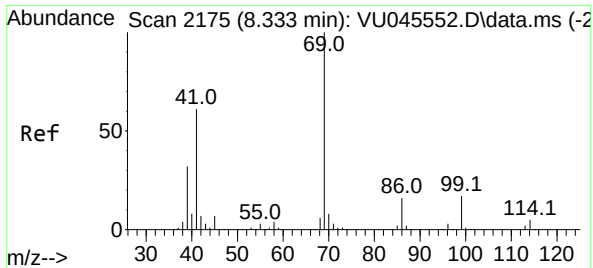
Tgt Ion:130 Resp: 897
Ion Ratio Lower Upper
130 100
95 96.3 0.0 211.4



#50
Toluene-d8
Concen: 52.599 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. 0.003 min
Lab File: VU045704.D
Acq: 10 Nov 2021 21:54

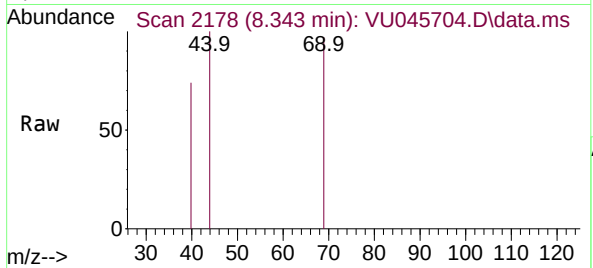
Tgt Ion: 98 Resp: 291073
Ion Ratio Lower Upper
98 100
100 65.8 52.5 78.7



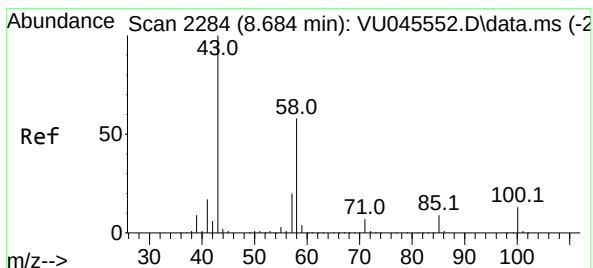
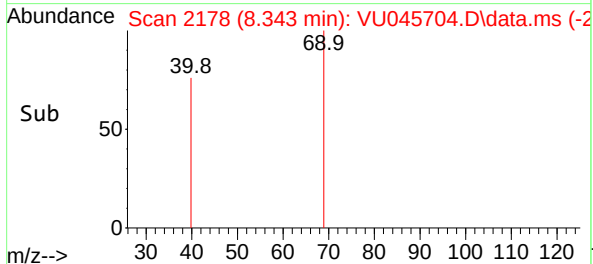
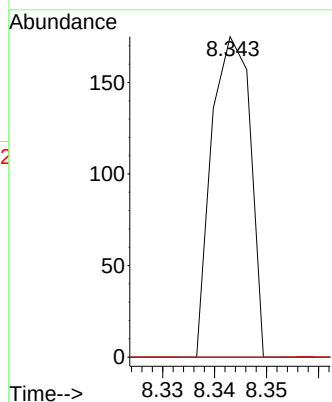


#56
Ethyl methacrylate
Concen: 2.453 ug/l
RT: 8.343 min Scan# 2175
Delta R.T. 0.010 min
Lab File: VU045704.D
Acq: 10 Nov 2021 21:54

Instrument :
MSVOA_U
ClientSampleId :

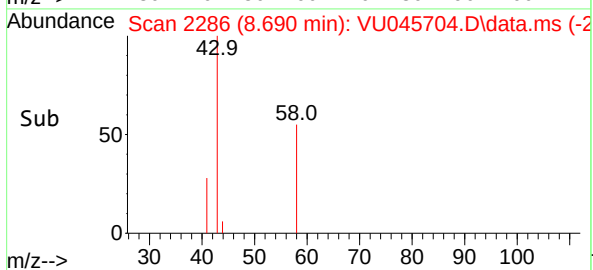
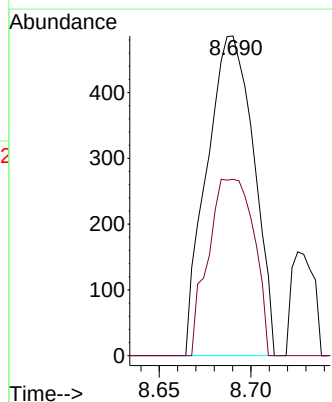
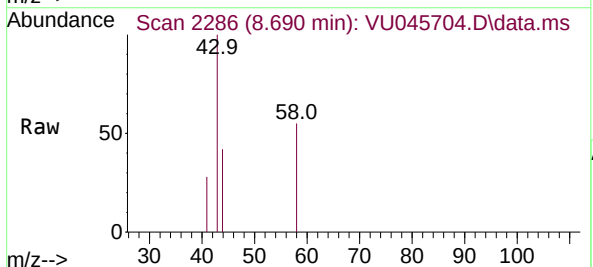


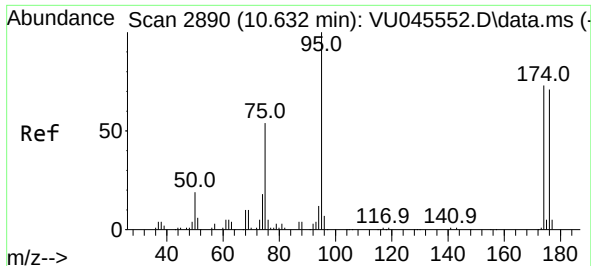
Tgt Ion: 69 Resp: 90
Ion Ratio Lower Upper
69 100
41 0.0 51.0 76.4#
39 0.0 26.6 39.8#



#59
2-Hexanone
Concen: 7.918 ug/l
RT: 8.690 min Scan# 2286
Delta R.T. 0.006 min
Lab File: VU045704.D
Acq: 10 Nov 2021 21:54

Tgt Ion: 43 Resp: 865
Ion Ratio Lower Upper
43 100
58 53.5 29.5 88.6

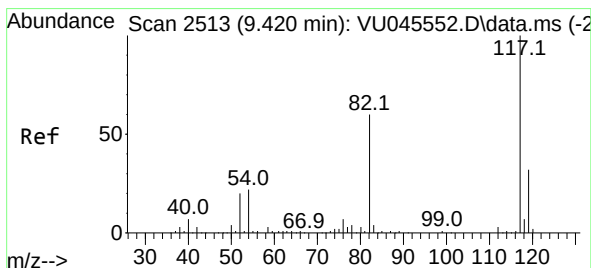
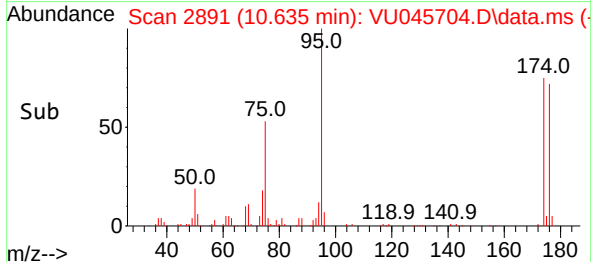
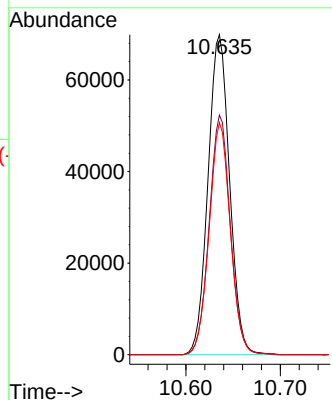
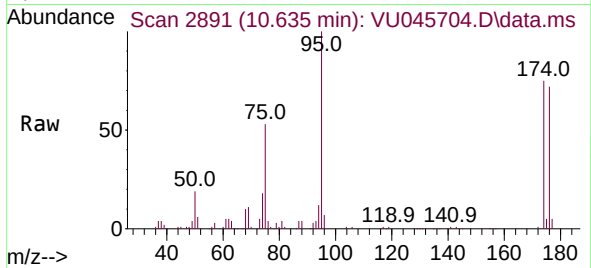




#62
 4-Bromofluorobenzene
 Concen: 49.861 ug/l
 RT: 10.635 min Scan# 2891
 Delta R.T. 0.003 min
 Lab File: VU045704.D
 Acq: 10 Nov 2021 21:54

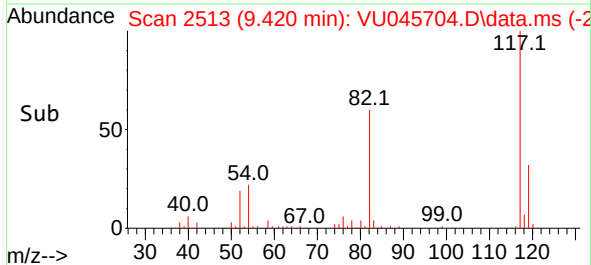
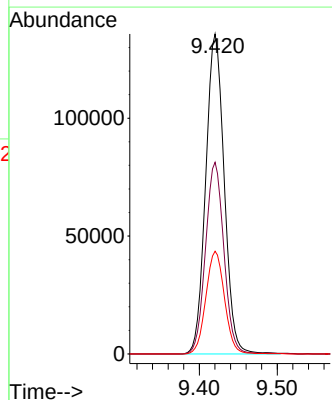
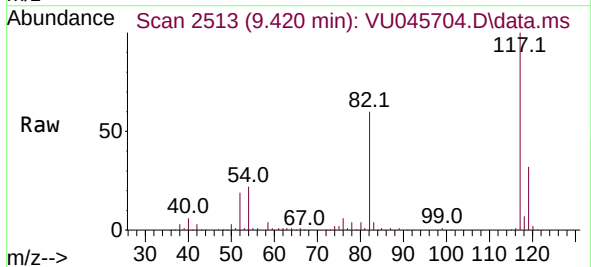
Instrument :
 MSVOA_U
 ClientSampleId :

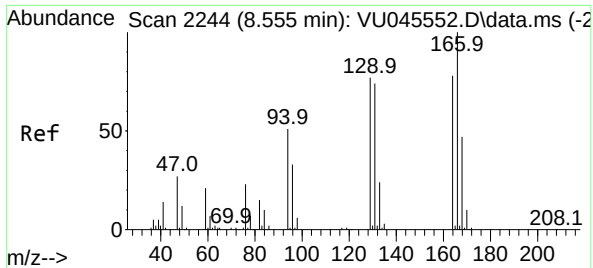
Tgt Ion: 95 Resp: 110645
 Ion Ratio Lower Upper
 95 100
 174 73.6 0.0 141.8
 176 71.0 0.0 138.2



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.420 min Scan# 2513
 Delta R.T. 0.000 min
 Lab File: VU045704.D
 Acq: 10 Nov 2021 21:54

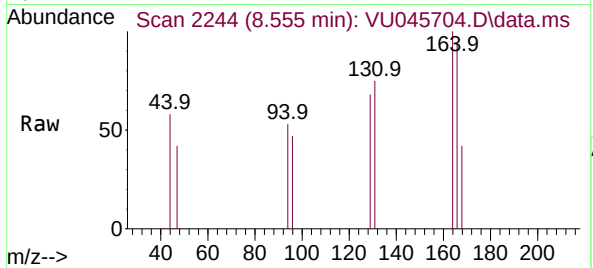
Tgt Ion: 117 Resp: 223983
 Ion Ratio Lower Upper
 117 100
 82 59.9 47.8 71.8
 119 32.1 25.8 38.8



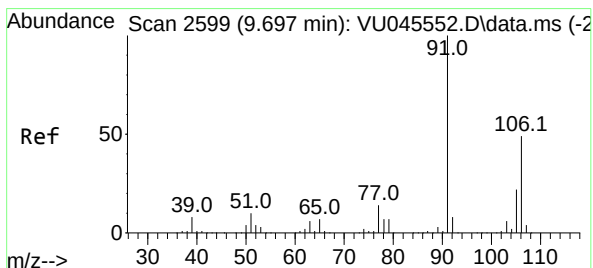
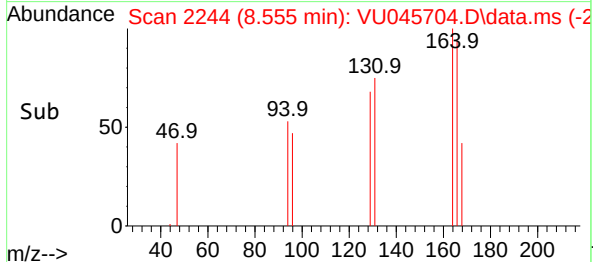
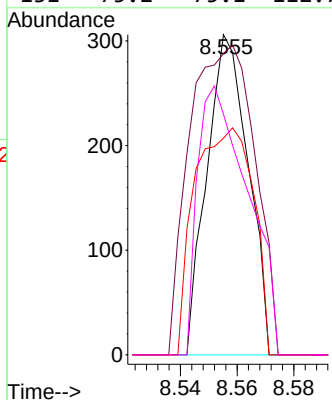


#64
Tetrachloroethene
Concen: 0.240 ug/l
RT: 8.555 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU045704.D
Acq: 10 Nov 2021 21:54

Instrument :
MSVOA_U
ClientSampleId :

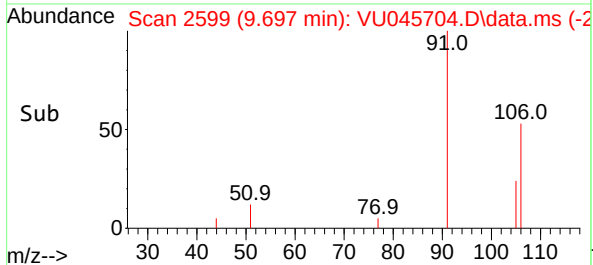
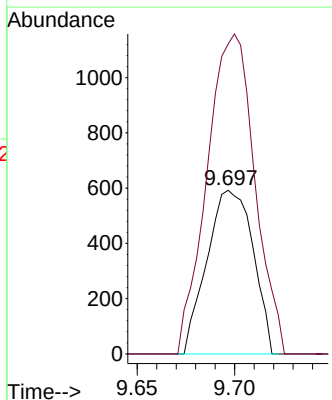
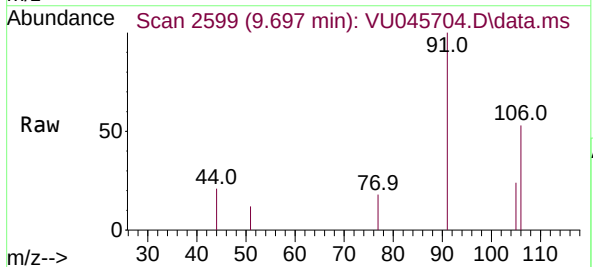


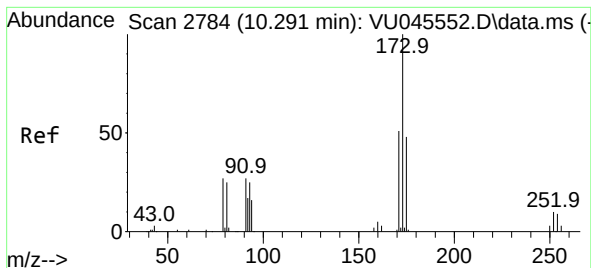
Tgt Ion:164 Resp: 308
Ion Ratio Lower Upper
164 100
166 94.1 102.2 153.4#
129 67.6 78.2 117.4#
131 75.2 75.1 112.7



#68
m/p-Xylenes
Concen: 0.327 ug/l
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU045704.D
Acq: 10 Nov 2021 21:54

Tgt Ion:106 Resp: 973
Ion Ratio Lower Upper
106 100
91 202.6 164.7 247.1





#71

Bromoform

Concen: 3.146 ug/l

RT: 10.291 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU045704.D

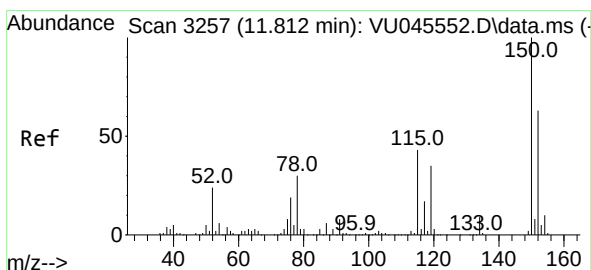
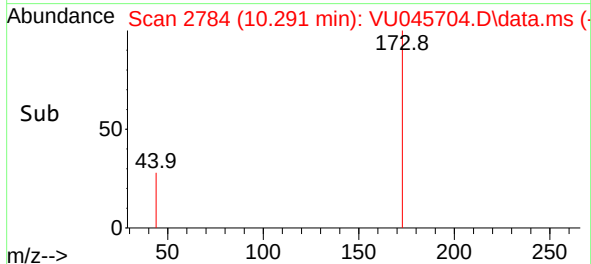
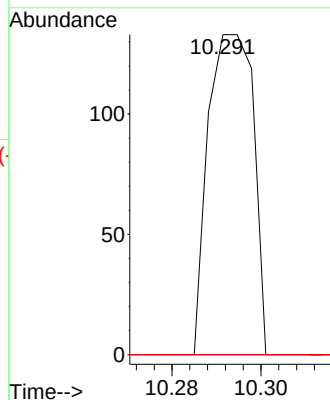
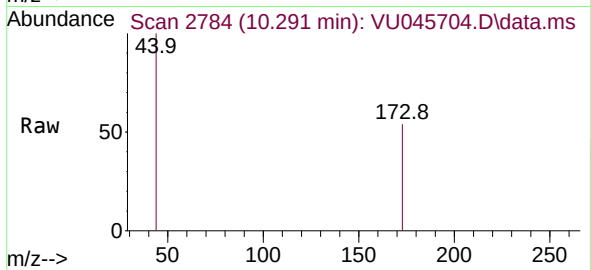
Acq: 10 Nov 2021 21:54

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:173	Resp:	94
Ion Ratio	Lower	Upper
173	100	
175	0.0	24.1
254	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

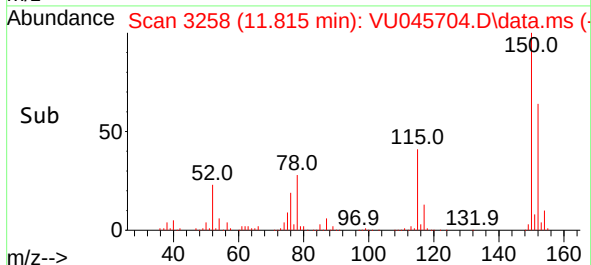
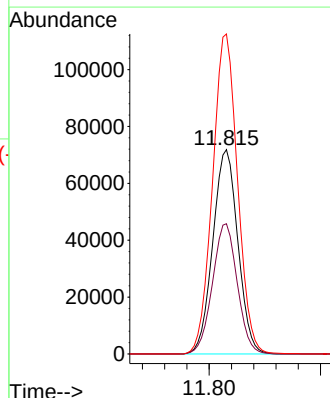
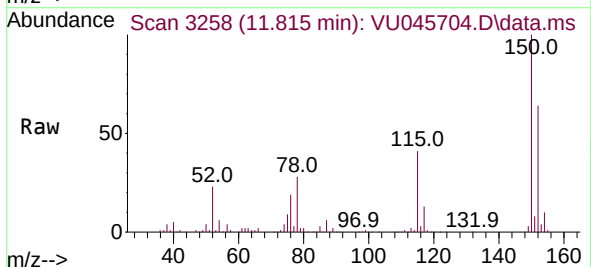
RT: 11.815 min Scan# 3258

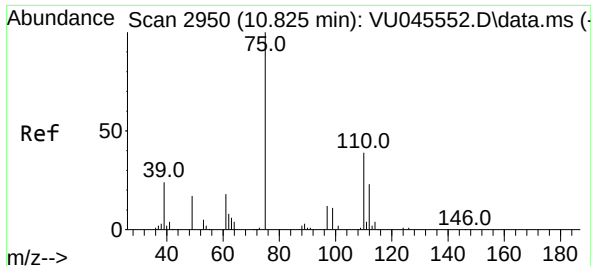
Delta R.T. 0.003 min

Lab File: VU045704.D

Acq: 10 Nov 2021 21:54

Tgt Ion:152	Resp:	112262
Ion Ratio	Lower	Upper
152	100	
115	63.1	42.7
150	156.0	0.0

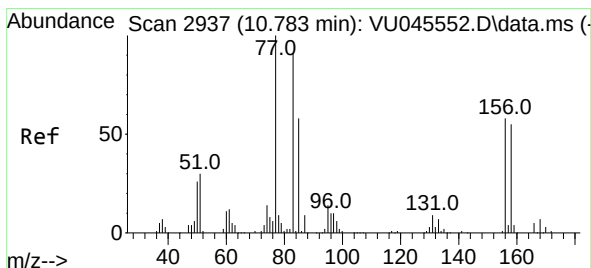
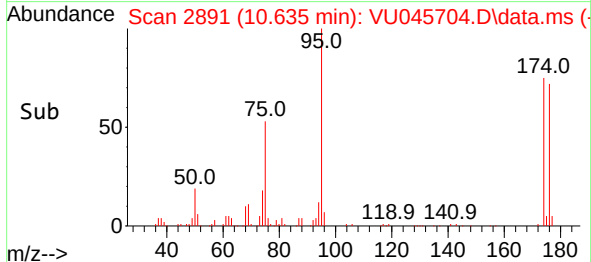
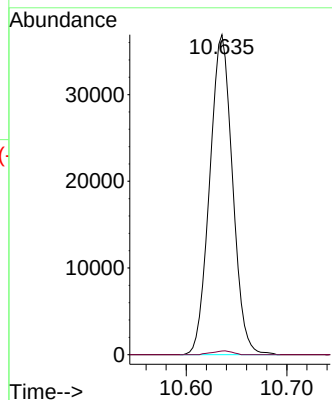
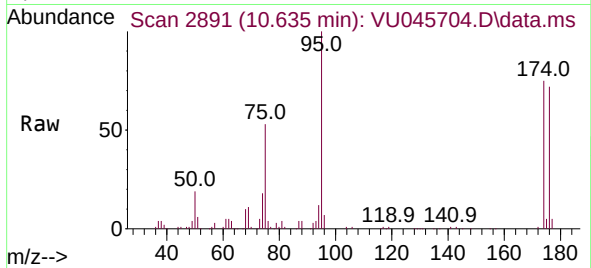




#76
1,2,3-Trichloropropane
Concen: 17.119 ug/l
RT: 10.635 min Scan# 21
Delta R.T. -0.190 min
Lab File: VU045704.D
Acq: 10 Nov 2021 21:54

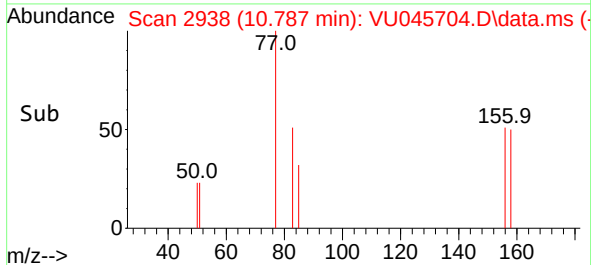
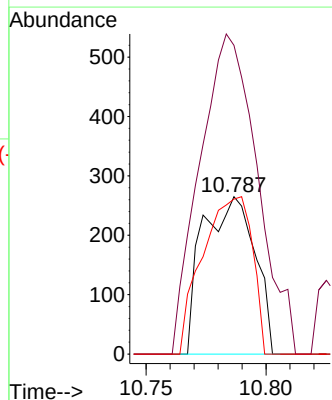
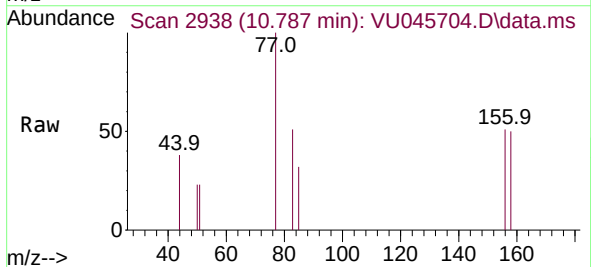
Instrument :
MSVOA_U
ClientSampleId :

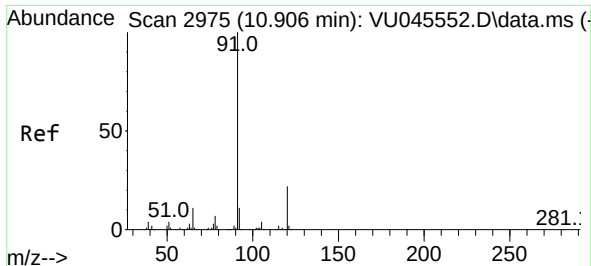
Tgt Ion: 75 Resp: 58281
Ion Ratio Lower Upper
75 100
77 1.1 17.1 51.3#



#77
Bromobenzene
Concen: 0.225 ug/l
RT: 10.787 min Scan# 2938
Delta R.T. 0.003 min
Lab File: VU045704.D
Acq: 10 Nov 2021 21:54

Tgt Ion:156 Resp: 401
Ion Ratio Lower Upper
156 100
77 224.4 91.1 273.4
158 95.0 47.9 143.6

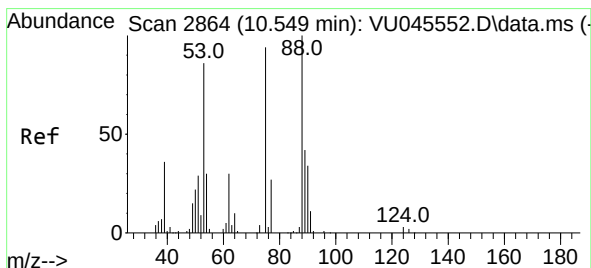
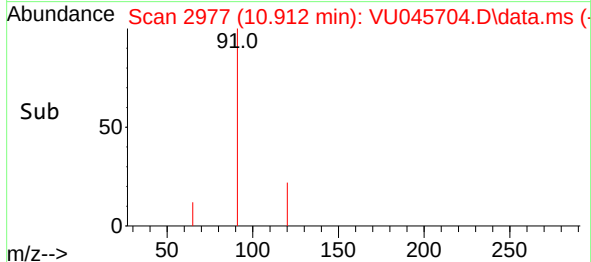
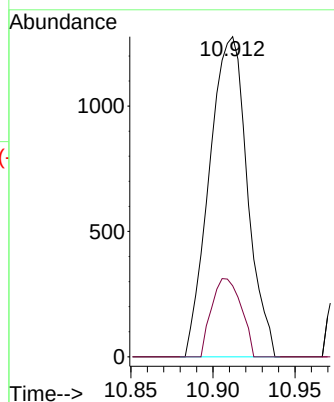
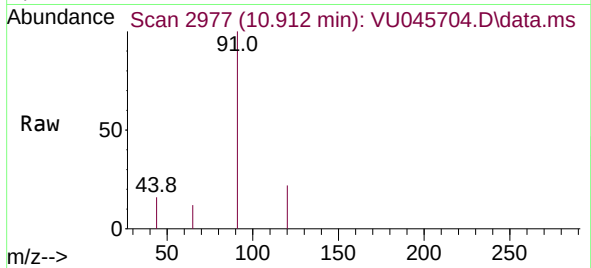




#78
n-propylbenzene
Concen: 0.225 ug/l
RT: 10.912 min Scan# 2975
Delta R.T. 0.006 min
Lab File: VU045704.D
Acq: 10 Nov 2021 21:54

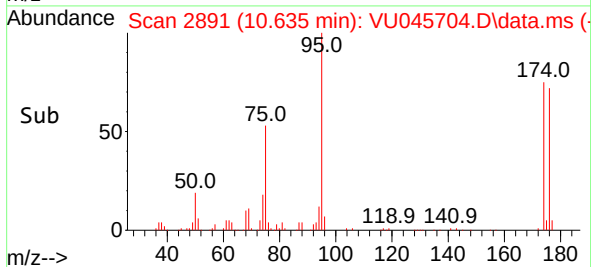
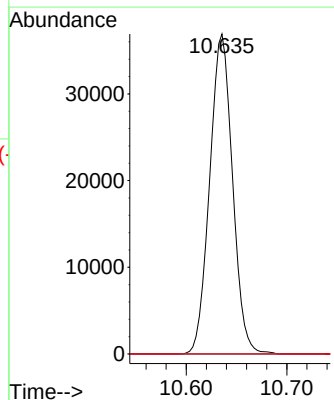
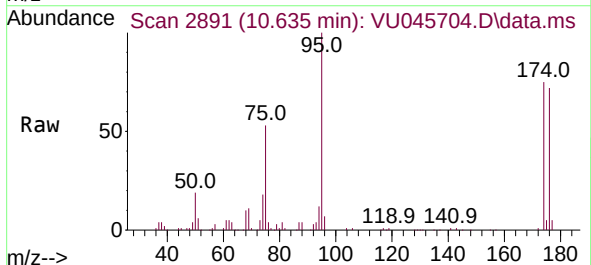
Instrument :
MSVOA_U
ClientSampleId :

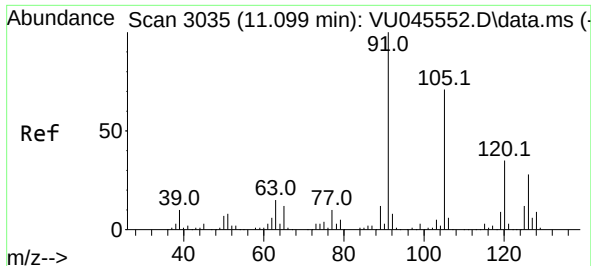
Tgt Ion: 91 Resp: 2055
Ion Ratio Lower Upper
91 100
120 18.9 10.9 32.7



#81
trans-1,4-Dichloro-2-butene
Concen: 55.717 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.086 min
Lab File: VU045704.D
Acq: 10 Nov 2021 21:54

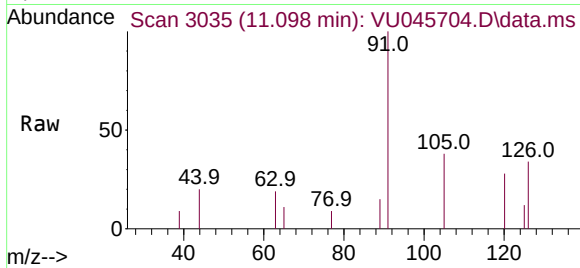
Tgt Ion: 75 Resp: 58281
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#



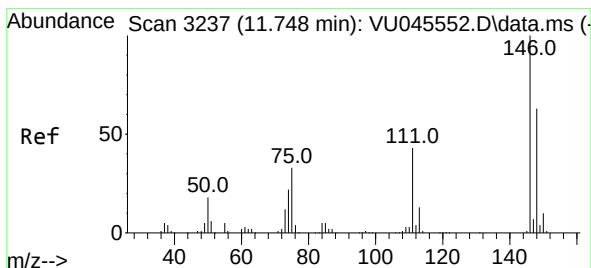
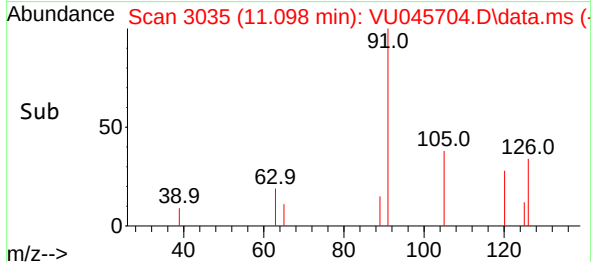
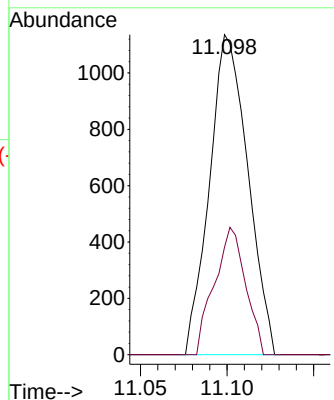


#82
4-Chlorotoluene
Concen: 0.276 ug/l
RT: 11.098 min Scan# 3035
Delta R.T. -0.000 min
Lab File: VU045704.D
Acq: 10 Nov 2021 21:54

Instrument :
MSVOA_U
ClientSampleId :

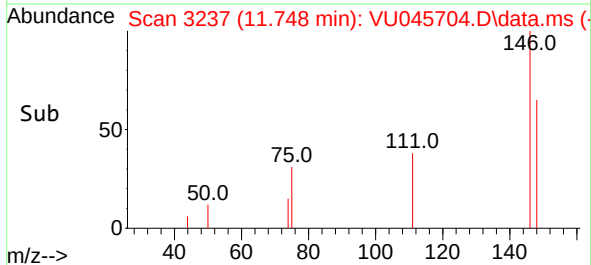
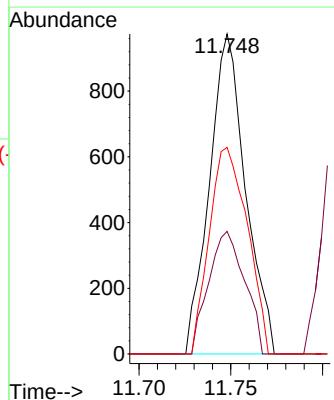
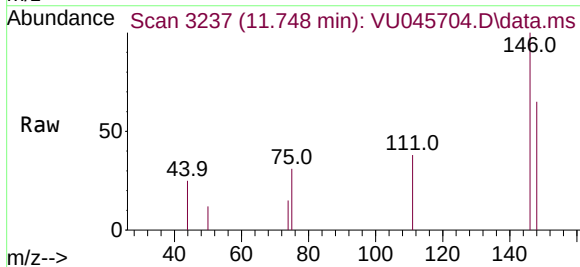


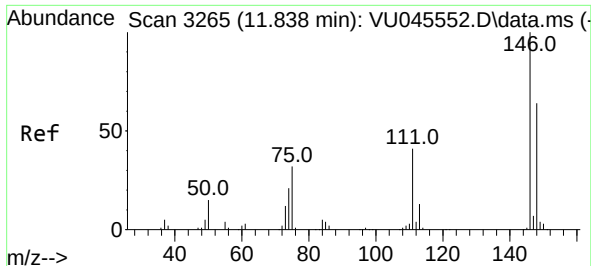
Tgt Ion: 91 Resp: 1748
Ion Ratio Lower Upper
91 100
126 32.4 13.8 41.4



#87
1,3-Dichlorobenzene
Concen: 0.370 ug/l
RT: 11.748 min Scan# 3237
Delta R.T. -0.000 min
Lab File: VU045704.D
Acq: 10 Nov 2021 21:54

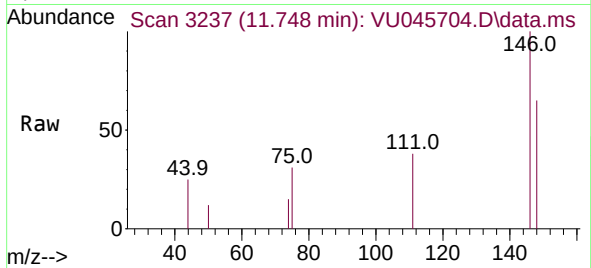
Tgt Ion:146 Resp: 1330
Ion Ratio Lower Upper
146 100
111 38.4 21.3 63.9
148 68.2 31.7 95.1



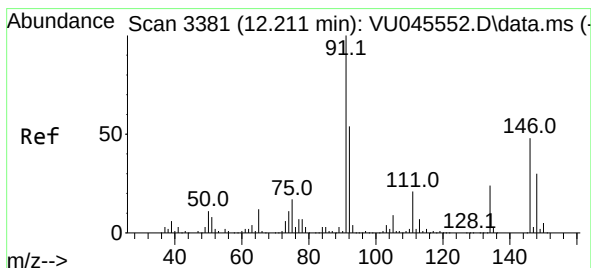
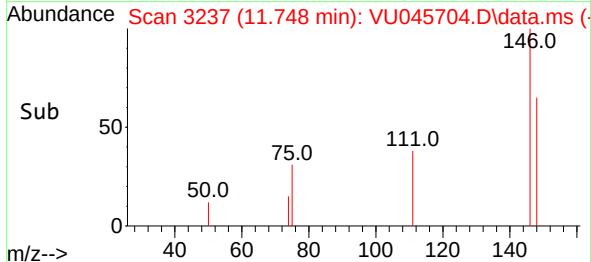
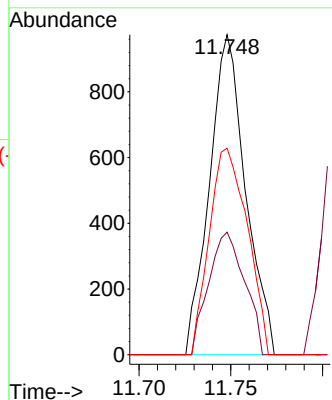


#88
1,4-Dichlorobenzene
Concen: 0.366 ug/l
RT: 11.748 min Scan# 31
Delta R.T. -0.090 min
Lab File: VU045704.D
Acq: 10 Nov 2021 21:54

Instrument :
MSVOA_U
ClientSampleId :

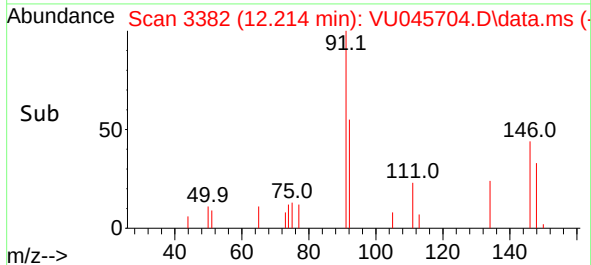
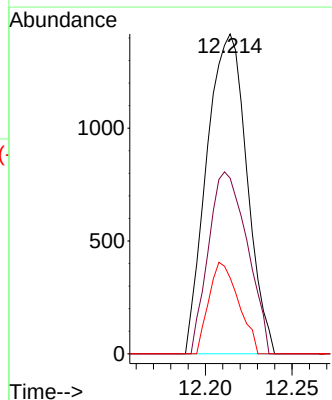
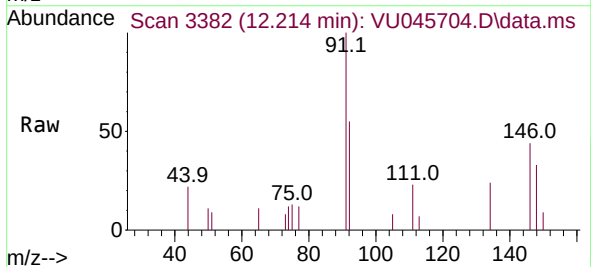


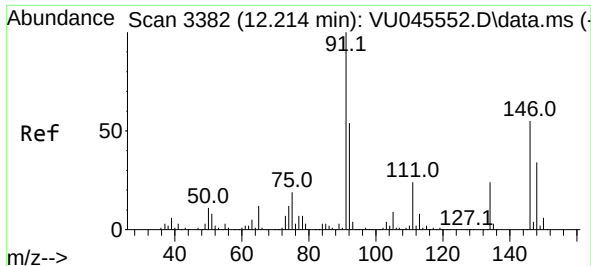
Tgt Ion:146 Resp: 1330
Ion Ratio Lower Upper
146 100
111 38.4 20.6 61.9
148 68.2 31.9 95.7



#89
n-Butylbenzene
Concen: 0.350 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. 0.003 min
Lab File: VU045704.D
Acq: 10 Nov 2021 21:54

Tgt Ion: 91 Resp: 2280
Ion Ratio Lower Upper
91 100
92 55.0 27.1 81.2
134 21.2 11.8 35.4

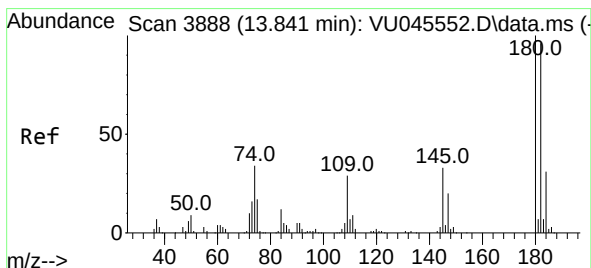
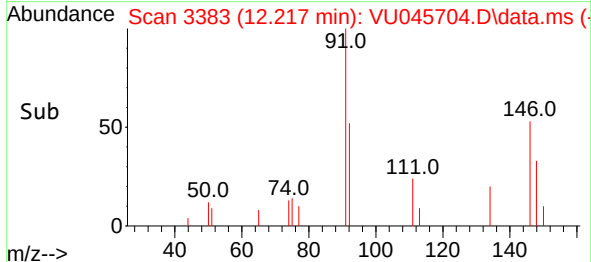
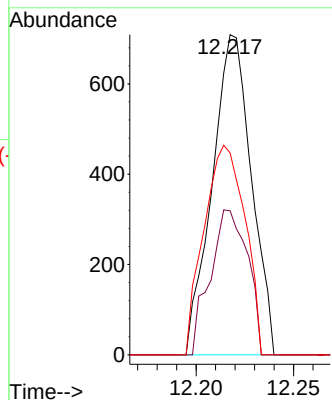
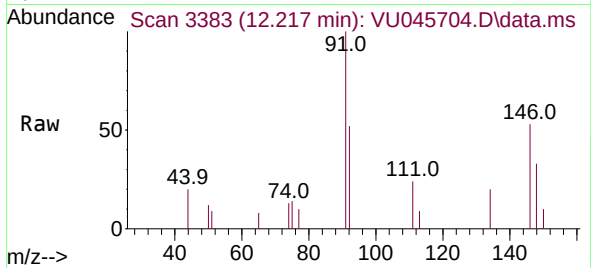




#91
 1,2-Dichlorobenzene
 Concen: 0.284 ug/l
 RT: 12.217 min Scan# 311
 Delta R.T. 0.003 min
 Lab File: VU045704.D
 Acq: 10 Nov 2021 21:54

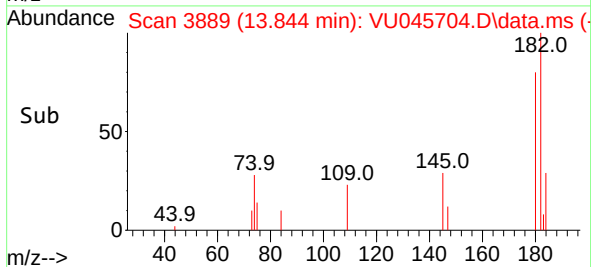
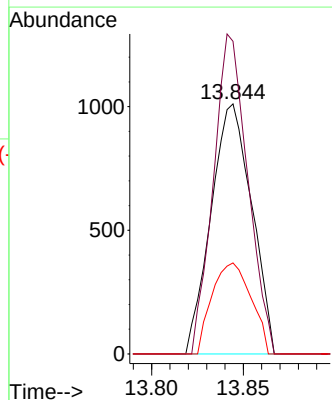
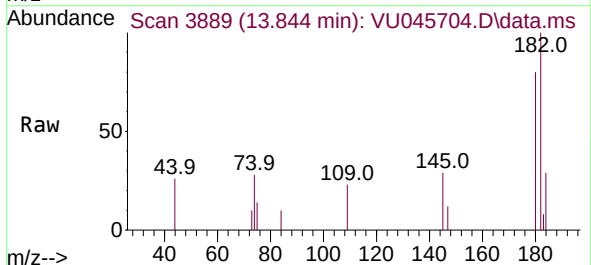
Instrument :
 MSVOA_U
 ClientSampleId :

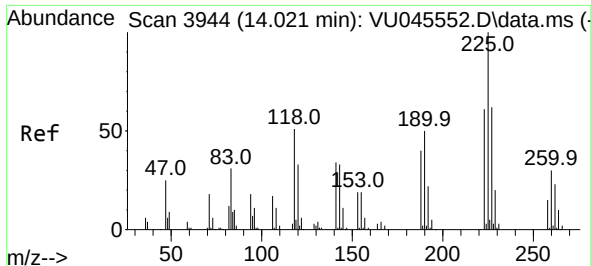
Tgt Ion:146 Resp: 993
 Ion Ratio Lower Upper
 146 100
 111 43.2 21.9 65.5
 148 68.4 32.1 96.3



#93
 1,2,4-Trichlorobenzene
 Concen: 0.645 ug/l
 RT: 13.844 min Scan# 3889
 Delta R.T. 0.003 min
 Lab File: VU045704.D
 Acq: 10 Nov 2021 21:54

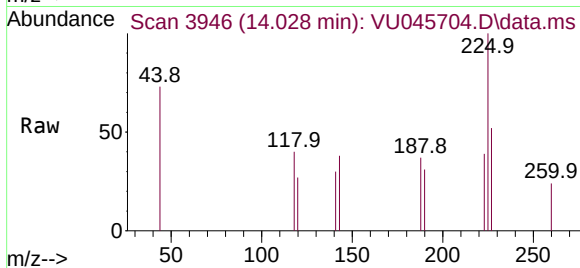
Tgt Ion:180 Resp: 1558
 Ion Ratio Lower Upper
 180 100
 182 108.2 47.0 141.2
 145 35.0 15.6 46.7



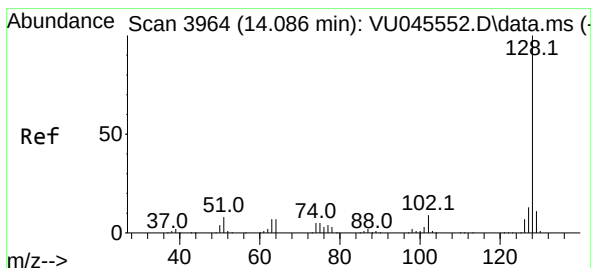
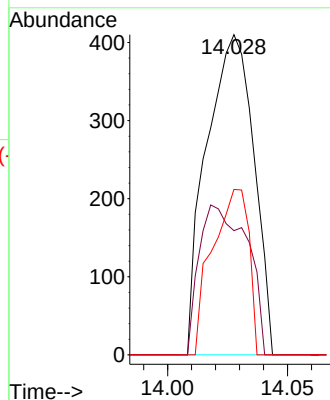
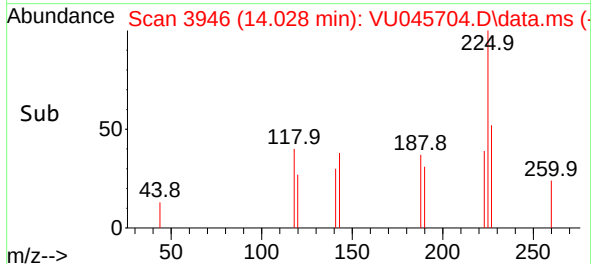


#94
Hexachlorobutadiene
Concen: 0.537 ug/l
RT: 14.028 min Scan# 3945
Delta R.T. 0.006 min
Lab File: VU045704.D
Acq: 10 Nov 2021 21:54

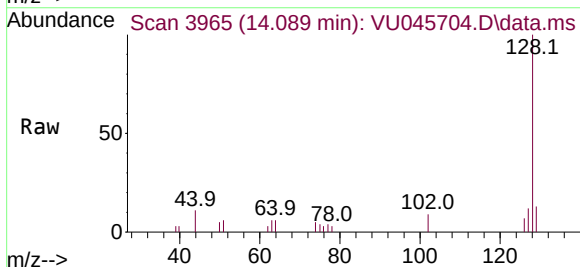
Instrument :
MSVOA_U
ClientSampleId :



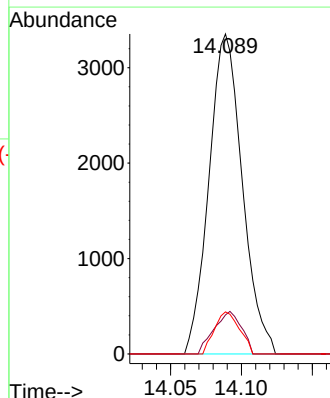
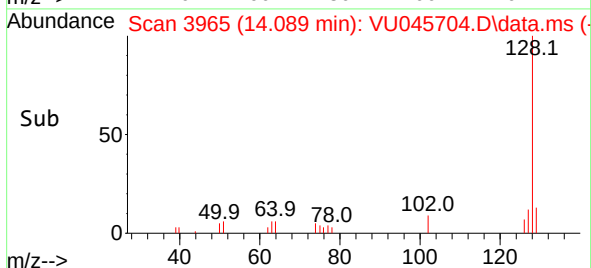
Tgt Ion:	225	Resp:	560
Ion Ratio	Lower	Upper	
225	100		
223	47.5	32.0	96.2
227	40.0	31.1	93.5

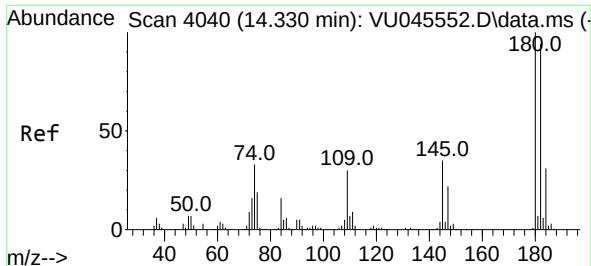


#95
Naphthalene
Concen: 1.620 ug/l
RT: 14.089 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU045704.D
Acq: 10 Nov 2021 21:54



Tgt Ion:	128	Resp:	5486
Ion Ratio	Lower	Upper	
128	100		
127	10.9	10.6	15.8
129	9.9	8.6	13.0





#96

1,2,3-Trichlorobenzene

Concen: 0.701 ug/l

RT: 14.336 min Scan# 4040

Delta R.T. 0.006 min

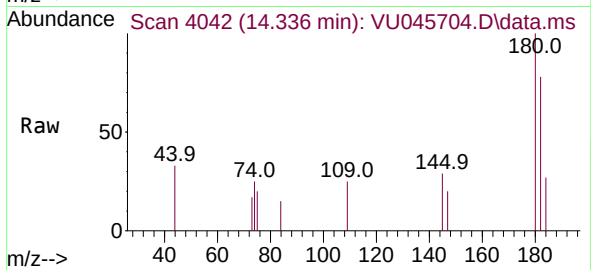
Lab File: VU045704.D

Acq: 10 Nov 2021 21:54

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 1682

Ion Ratio Lower Upper

180 100

182 86.2 47.7 143.1

145 31.0 16.7 50.0

