

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062722\
 Data File : VU049424.D
 Acq On : 28 Jun 2022 00:19
 Operator : SY/MD
 Sample : N3386-16DL 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE134D3-20220616DL

Quant Time: Jun 28 05:32:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 28 05:14:22 2022
 Response via : Initial Calibration

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

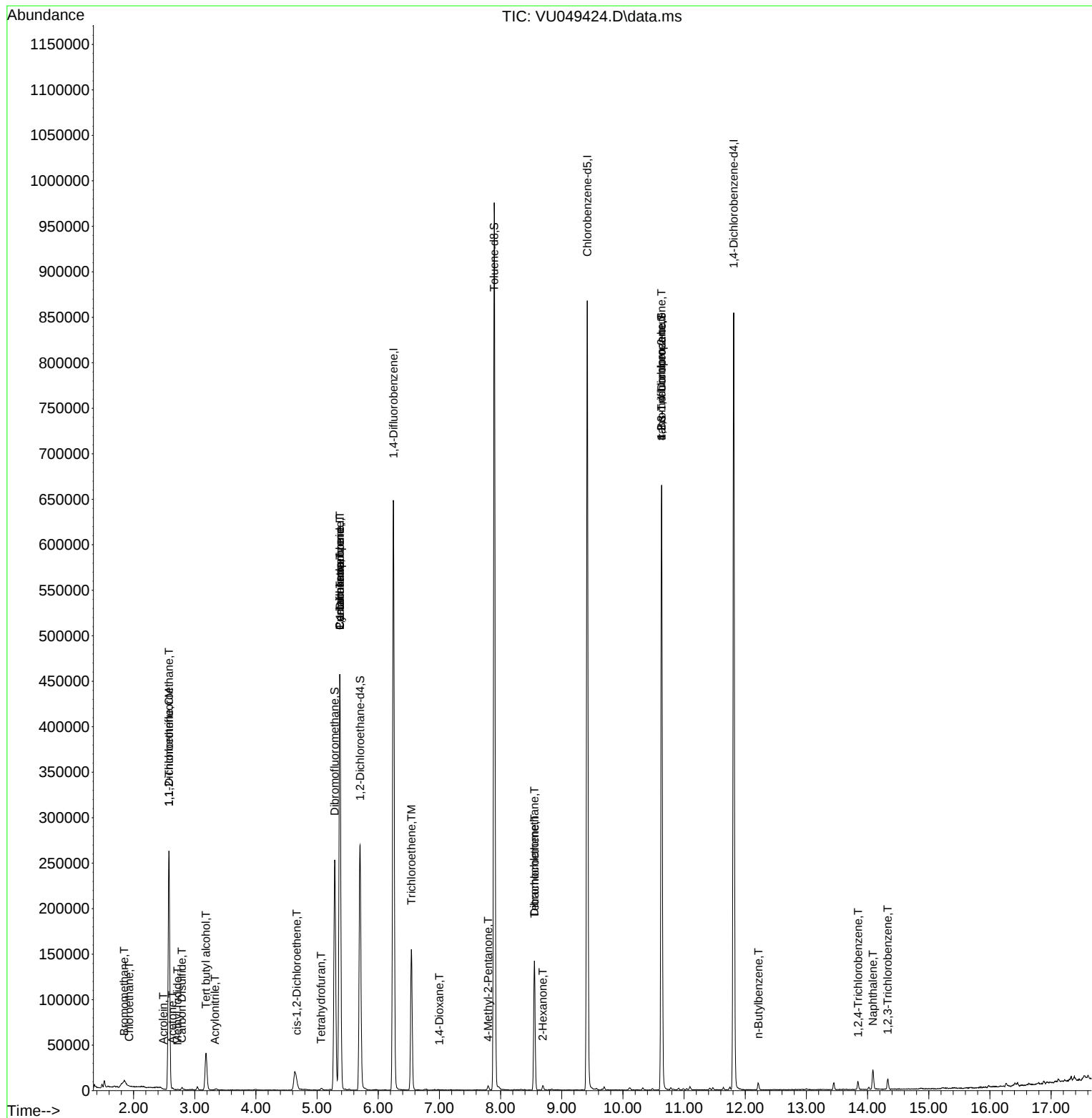
Internal Standards						
1) Pentafluorobenzene	5.372	168	315589	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.250	114	531108	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	474325	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	220617	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	202172	41.597	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	83.200%		
35) Dibromofluoromethane	5.288	113	163951	44.123	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.240%		
50) Toluene-d8	7.896	98	634129	47.847	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.700%		
62) 4-Bromofluorobenzene	10.632	95	230665	45.435	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.860%		
Target Compounds						
						Qvalue
5) Bromomethane	1.848	94	704	0.443	ug/l	92
6) Chloroethane	1.925	64	44	1.933	ug/l #	44
9) 1,1,2-Trichlorotrifluo...	2.578	101	105006	29.993	ug/l	95
10) Methyl Iodide	2.719	142	458	7.626	ug/l #	81
11) Tert butyl alcohol	3.182	59	25258	22.203	ug/l #	38
12) 1,1-Dichloroethene	2.578	96	942	0.275	ug/l	83
13) Acrolein	2.485	56	207	0.269	ug/l #	72
15) Acrylonitrile	3.334	53	660	0.241	ug/l #	81
16) Acetone	2.636	43	1940	0.792	ug/l #	87
17) Carbon Disulfide	2.790	76	2731	0.255	ug/l	96
20) Methylene Chloride	3.041	84	1455	Below Cal	#	66
27) cis-1,2-Dichloroethene	4.668	96	1727	0.405	ug/l	62
29) Tetrahydrofuran	5.067	42	983	0.390	ug/l #	79
31) Cyclohexane	5.372	56	6974	0.956	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	25138	4.666	ug/l #	48
38) Carbon Tetrachloride	5.372	117	32314	5.719	ug/l #	15
44) Trichloroethene	6.542	130	52629	13.610	ug/l	88
49) 1,4-Dioxane	6.999	88	439	3.389	ug/l #	1
51) 4-Methyl-2-Pentanone	7.796	43	3383	0.469	ug/l	99
59) 2-Hexanone	8.690	43	3632	0.640	ug/l	97
60) Dibromochloromethane	8.552	129	30374	7.307	ug/l #	11
64) Tetrachloroethene	8.555	164	30323	9.967	ug/l	94
76) 1,2,3-Trichloropropane	10.632	75	117878	15.762	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.632	75	117878	58.206	ug/l #	15
89) n-Butylbenzene	12.214	91	2946	0.232	ug/l	91
93) 1,2,4-Trichlorobenzene	13.844	180	3008	2.341	ug/l	92
95) Naphthalene	14.086	128	19142	2.806	ug/l	98
96) 1,2,3-Trichlorobenzene	14.330	180	3634	1.875	ug/l	93

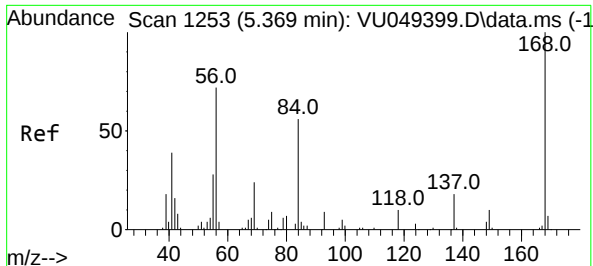
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062722\
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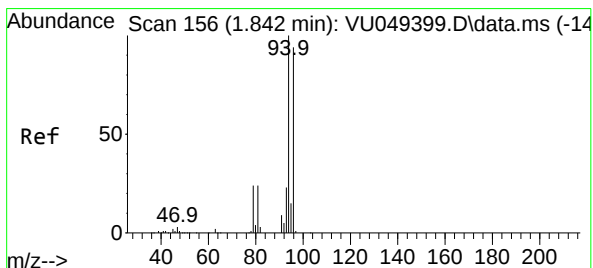
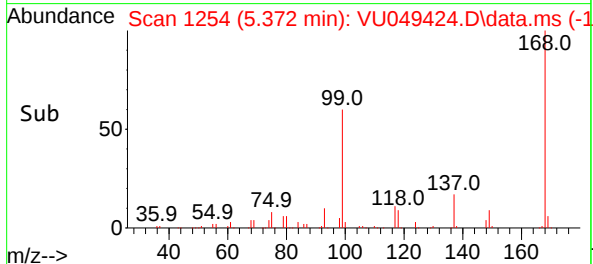
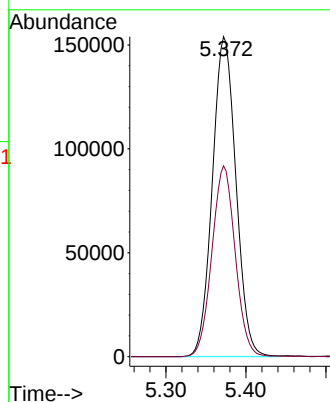
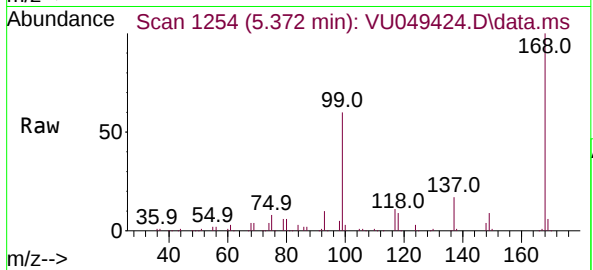




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049424.D
Acq: 28 Jun 2022 00:19

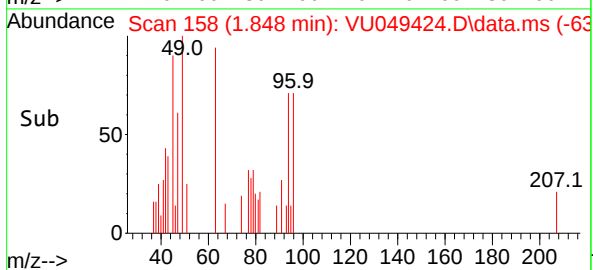
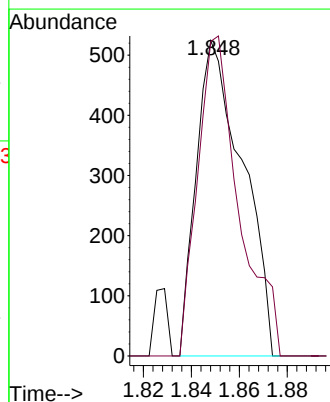
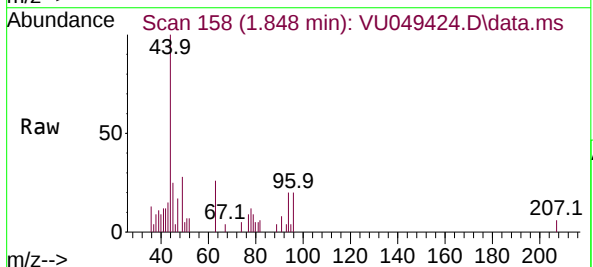
Instrument :
MSVOA_U
ClientSampleId :
RE134D3-20220616DL

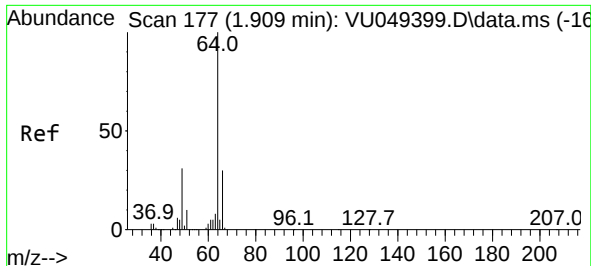
Tgt Ion:168 Resp: 315589
Ion Ratio Lower Upper
168 100
99 59.6 39.3 58.9#



#5
Bromomethane
Concen: 0.443 ug/l
RT: 1.848 min Scan# 158
Delta R.T. 0.006 min
Lab File: VU049424.D
Acq: 28 Jun 2022 00:19

Tgt Ion: 94 Resp: 704
Ion Ratio Lower Upper
94 100
96 99.8 73.7 110.5

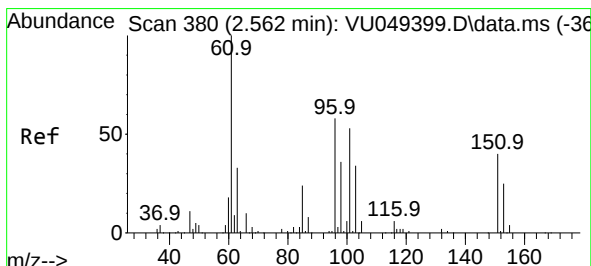
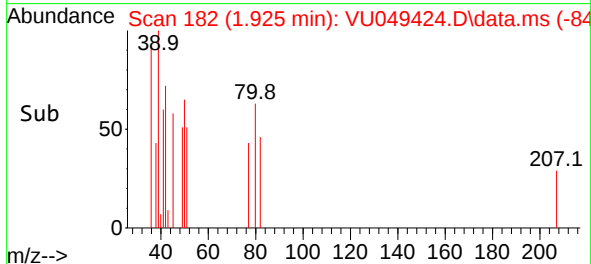
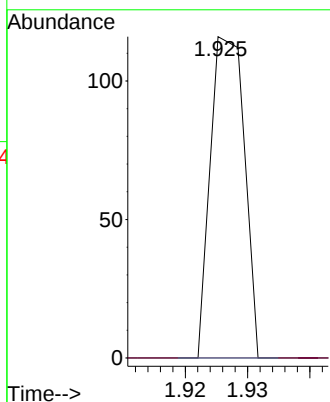
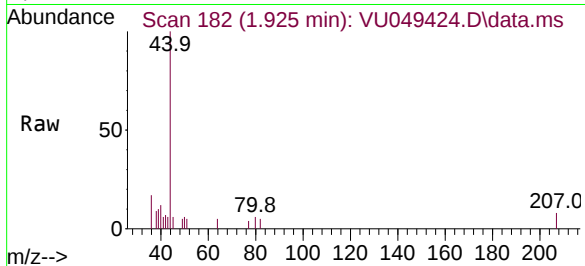




#6
Chloroethane
Concen: 1.933 ug/l
RT: 1.925 min Scan# 11
Delta R.T. 0.016 min
Lab File: VU049424.D
Acq: 28 Jun 2022 00:19

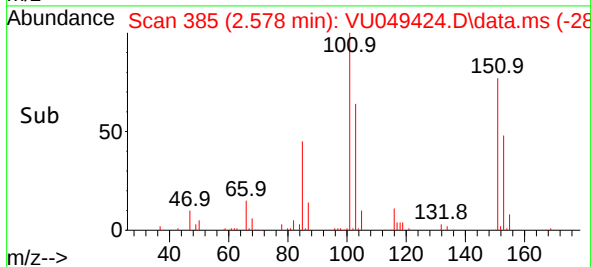
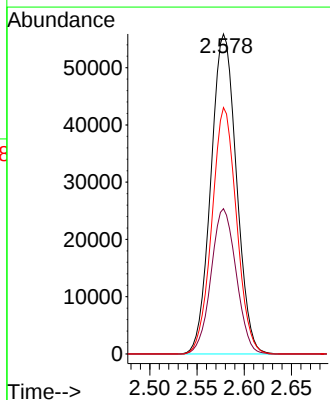
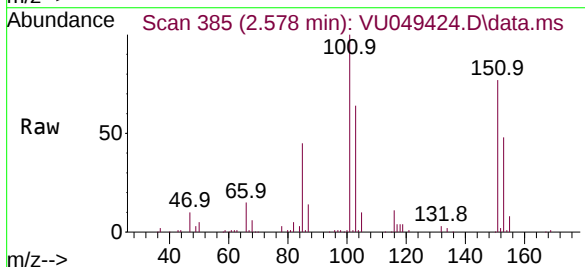
Instrument :
MSVOA_U
ClientSampleId :
RE134D3-20220616DL

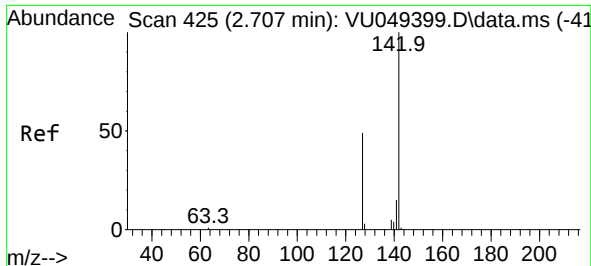
Tgt Ion: 64 Resp: 44
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 29.993 ug/l
RT: 2.578 min Scan# 385
Delta R.T. 0.016 min
Lab File: VU049424.D
Acq: 28 Jun 2022 00:19

Tgt Ion:101 Resp: 105006
Ion Ratio Lower Upper
101 100
85 44.6 33.9 50.9
151 74.4 64.0 96.0

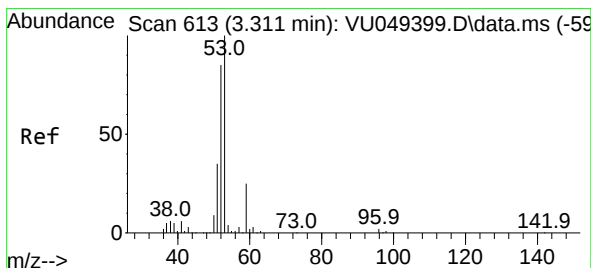
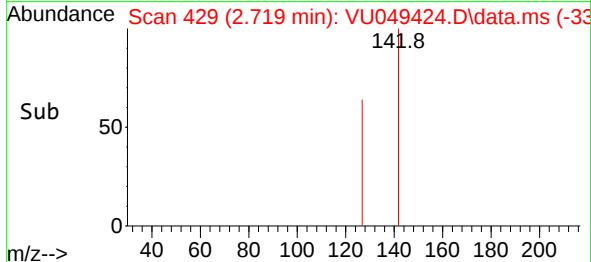
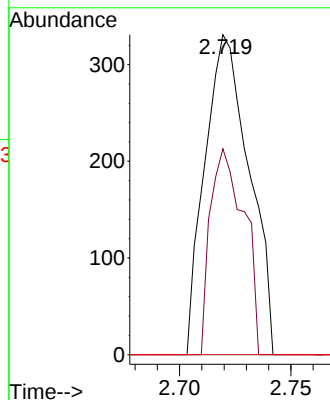
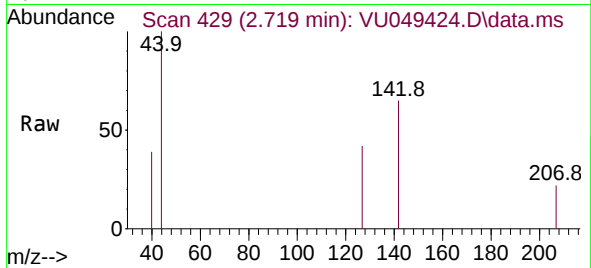




#10
Methyl Iodide
Concen: 7.626 ug/l
RT: 2.719 min Scan# 41
Delta R.T. 0.013 min
Lab File: VU049424.D
Acq: 28 Jun 2022 00:19

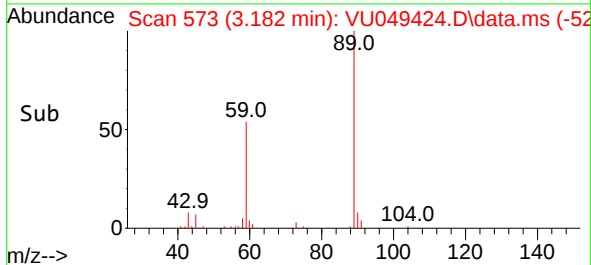
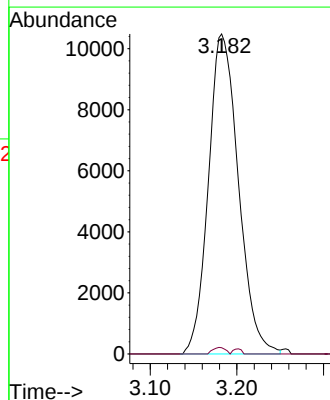
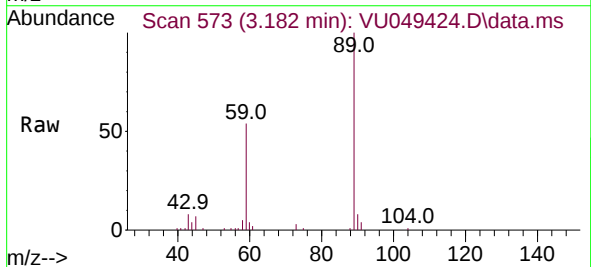
Instrument :
MSVOA_U
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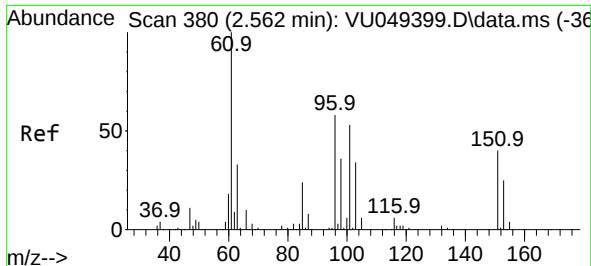
Tgt Ion:142 Resp: 458
Ion Ratio Lower Upper
142 100
127 48.9 32.5 48.7#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 22.203 ug/l
RT: 3.182 min Scan# 573
Delta R.T. -0.129 min
Lab File: VU049424.D
Acq: 28 Jun 2022 00:19

Tgt Ion: 59 Resp: 25258
Ion Ratio Lower Upper
59 100
57 0.9 30.6 45.8#





#12

1,1-Dichloroethene

Concen: 0.275 ug/l

RT: 2.578 min Scan# 380

Delta R.T. 0.016 min

Lab File: VU049424.D

Acq: 28 Jun 2022 00:19

Instrument :

MSVOA_U

ClientSampleId :

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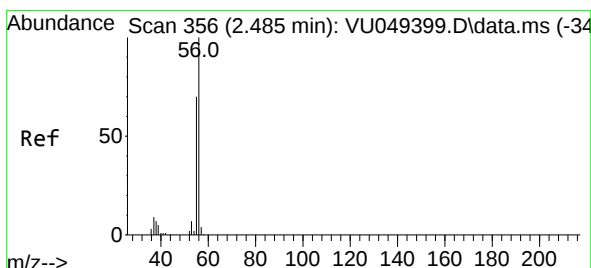
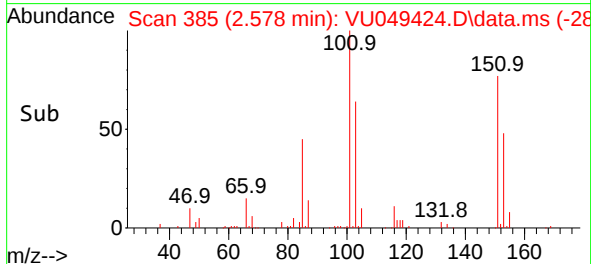
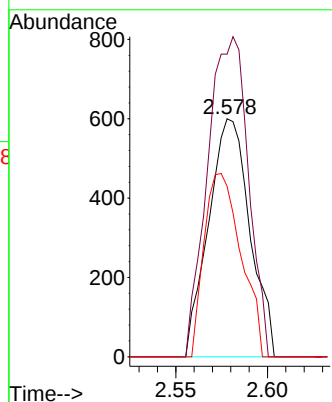
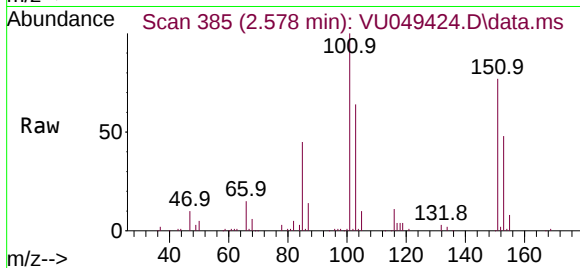
Tgt Ion: 96 Resp: 942

Ion Ratio Lower Upper

96 100

61 127.2 122.2 183.2

98 71.7 50.7 76.1



#13

Acrolein

Concen: 0.269 ug/l

RT: 2.485 min Scan# 356

Delta R.T. 0.000 min

Lab File: VU049424.D

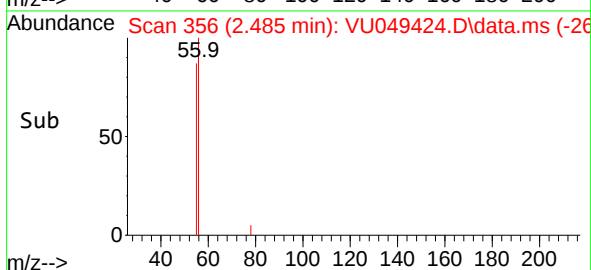
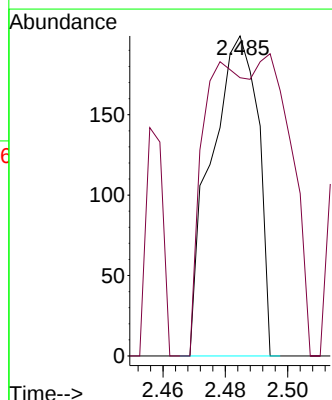
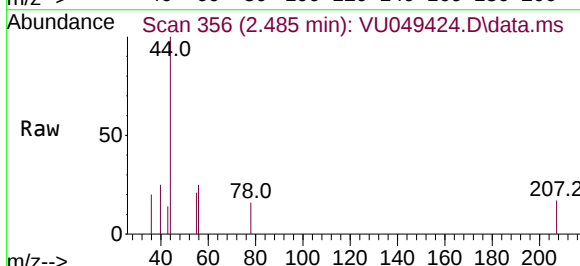
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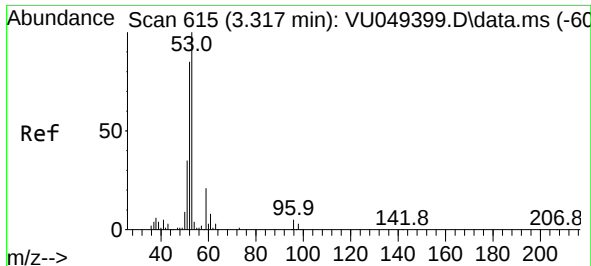
Tgt Ion: 56 Resp: 207

Ion Ratio Lower Upper

56 100

55 93.7 56.6 85.0#

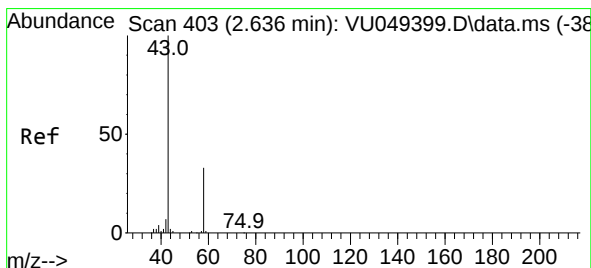
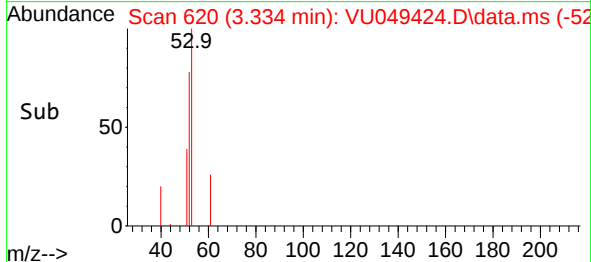
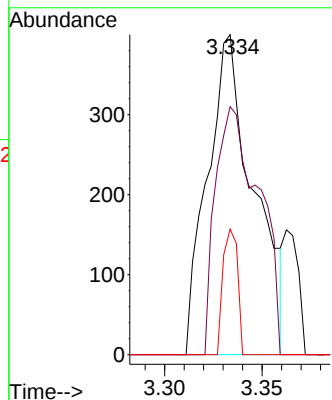
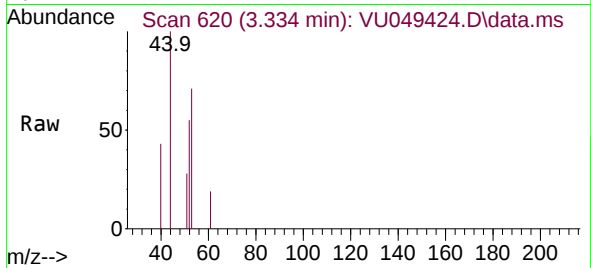




#15
Acrylonitrile
Concen: 0.241 ug/l
RT: 3.334 min Scan# 615
Delta R.T. 0.016 min
Lab File: VU049424.D
Acq: 28 Jun 2022 00:19

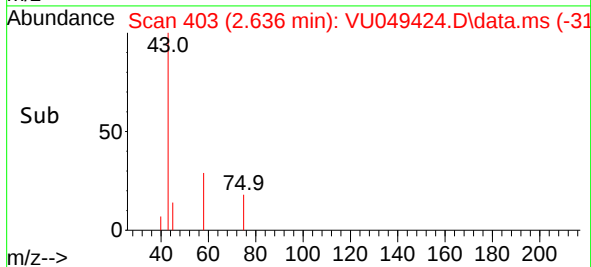
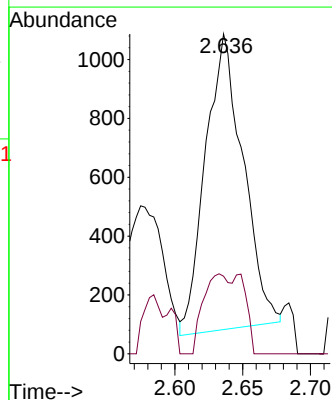
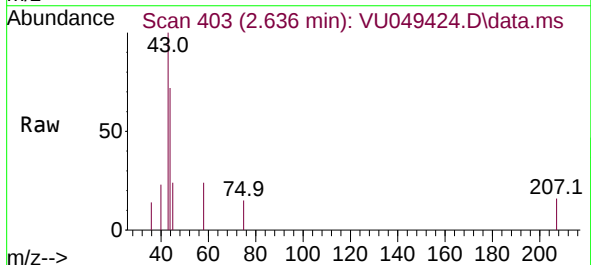
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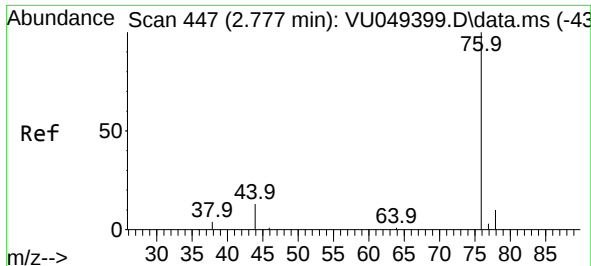
Tgt Ion: 53 Resp: 660
Ion Ratio Lower Upper
53 100
52 72.7 65.7 98.5
51 12.3 28.2 42.4#



#16
Acetone
Concen: 0.792 ug/l
RT: 2.636 min Scan# 403
Delta R.T. 0.000 min
Lab File: VU049424.D
Acq: 28 Jun 2022 00:19

Tgt Ion: 43 Resp: 1940
Ion Ratio Lower Upper
43 100
58 27.0 27.5 41.3#

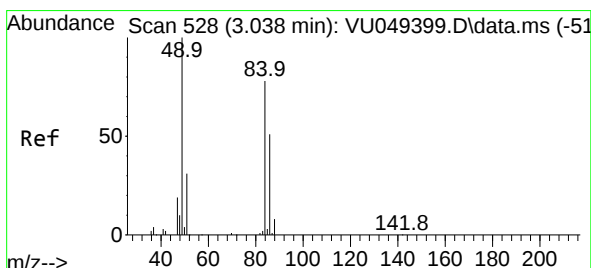
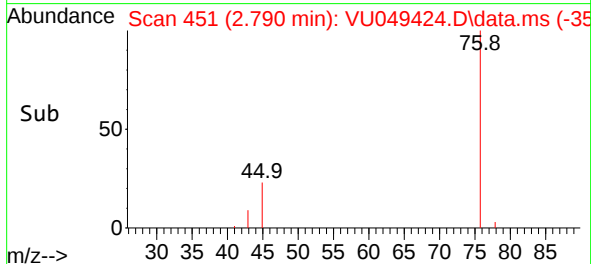
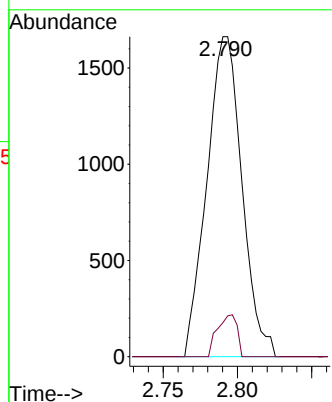
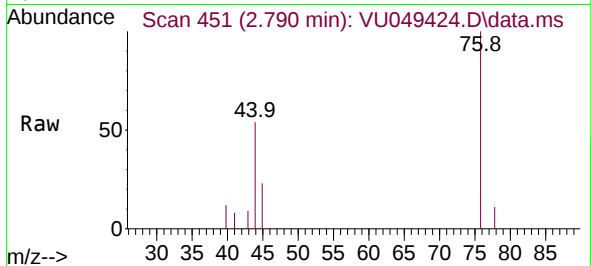




#17
Carbon Disulfide
Concen: 0.255 ug/l
RT: 2.790 min Scan# 41
Delta R.T. 0.013 min
Lab File: VU049424.D
Acq: 28 Jun 2022 00:19

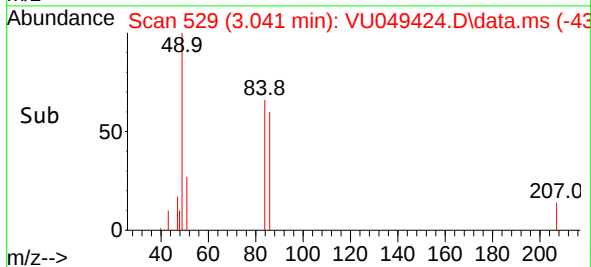
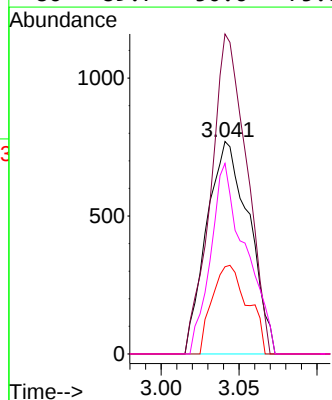
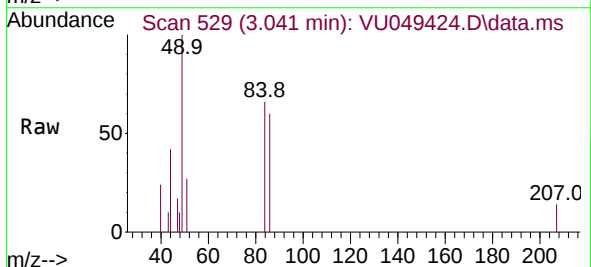
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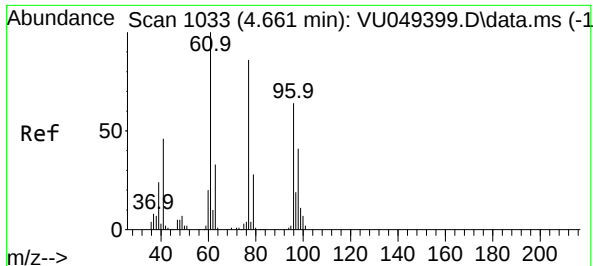
Tgt Ion: 76 Resp: 2731
Ion Ratio Lower Upper
76 100
78 10.6 7.3 10.9



#20
Methylene Chloride
Concen: Below Cal
RT: 3.041 min Scan# 529
Delta R.T. 0.003 min
Lab File: VU049424.D
Acq: 28 Jun 2022 00:19

Tgt Ion: 84 Resp: 1455
Ion Ratio Lower Upper
84 100
49 150.6 86.6 129.8#
51 41.0 26.6 40.0#
86 89.7 50.6 75.8#





#27

cis-1,2-Dichloroethene

Concen: 0.405 ug/l

RT: 4.668 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VU049424.D

Acq: 28 Jun 2022 00:19

Instrument :

MSVOA_U

ClientSampleId :

RE134D3-20220616DL

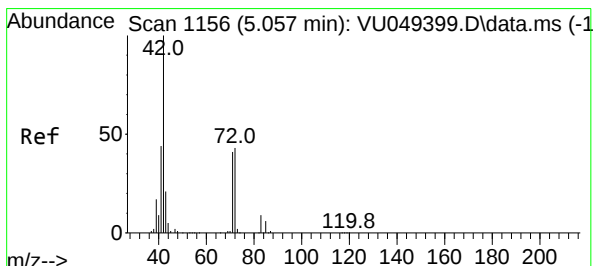
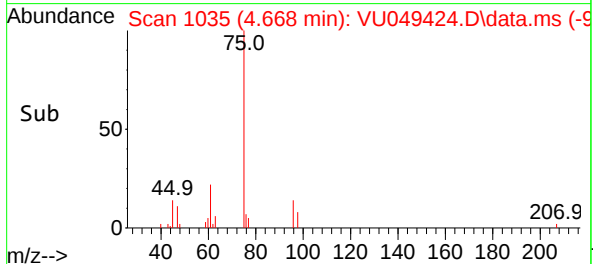
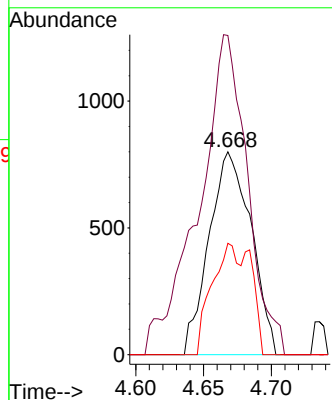
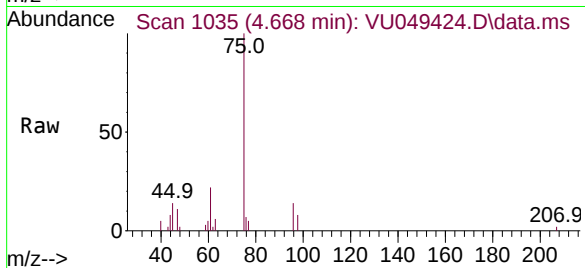
Tgt Ion: 96 Resp: 1727

Ion Ratio Lower Upper

96 100

61 182.5 0.0 271.6

98 36.2 0.0 128.2



#29

Tetrahydrofuran

Concen: 0.390 ug/l

RT: 5.067 min Scan# 1159

Delta R.T. 0.010 min

Lab File: VU049424.D

Acq: 28 Jun 2022 00:19

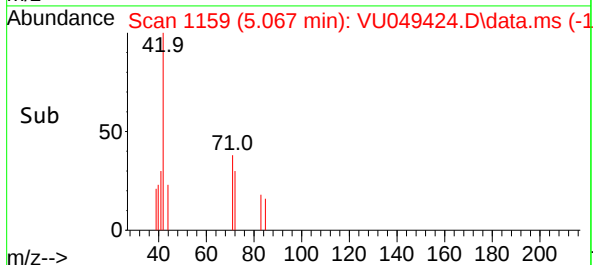
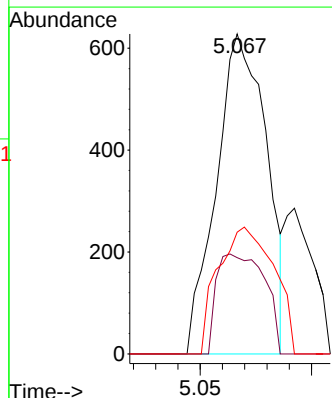
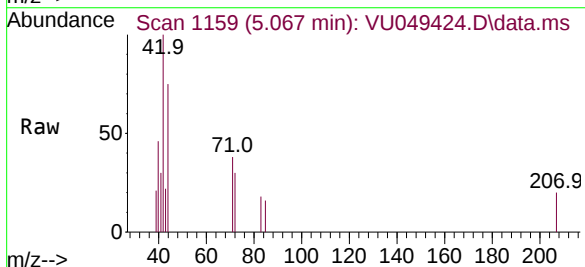
Tgt Ion: 42 Resp: 983

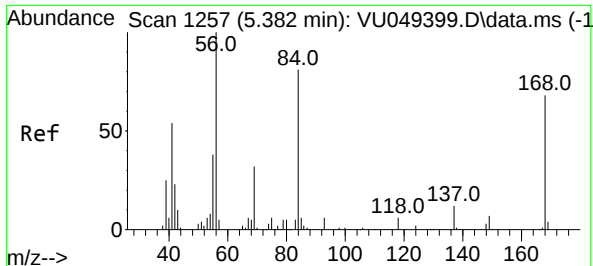
Ion Ratio Lower Upper

42 100

72 29.8 42.6 63.8#

71 44.2 40.3 60.5

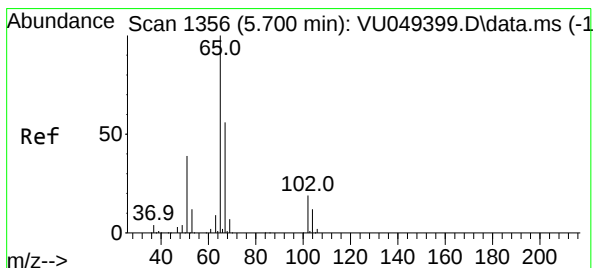
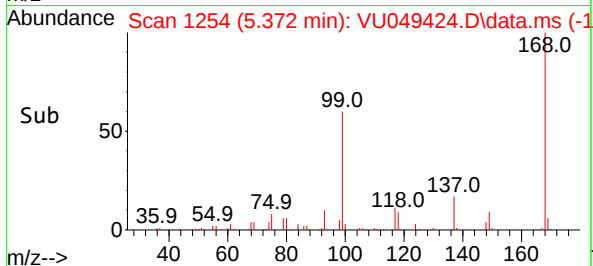
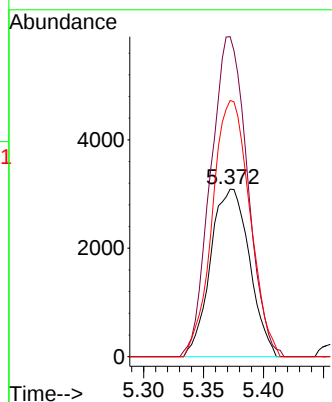
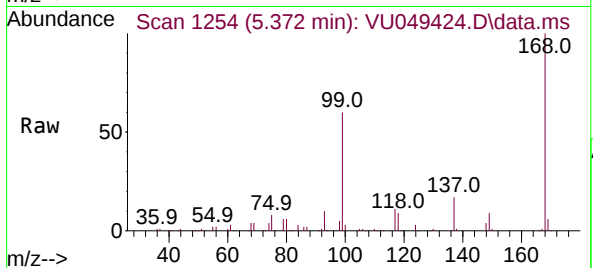




#31
Cyclohexane
Concen: 0.956 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.010 min
Lab File: VU049424.D
Acq: 28 Jun 2022 00:19

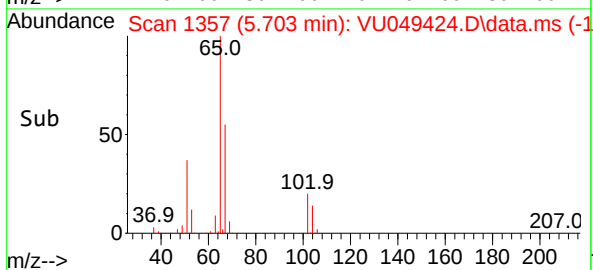
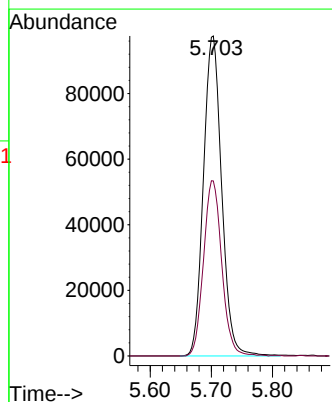
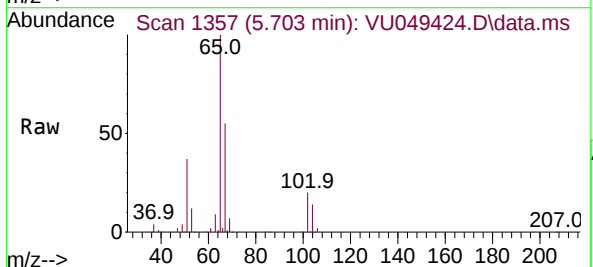
Instrument :
MSVOA_U
ClientSampleId :
RE134D3-20220616DL

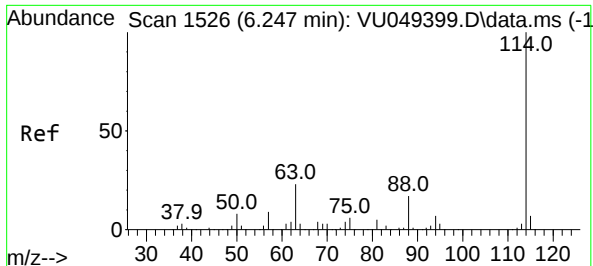
Tgt Ion: 56 Resp: 6974
Ion Ratio Lower Upper
56 100
69 191.0 27.8 41.8#
84 152.9 74.2 111.4#



#33
1,2-Dichloroethane-d4
Concen: 41.597 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. 0.003 min
Lab File: VU049424.D
Acq: 28 Jun 2022 00:19

Tgt Ion: 65 Resp: 202172
Ion Ratio Lower Upper
65 100
67 54.8 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU049424.D

Acq: 28 Jun 2022 00:19

Instrument :

MSVOA_U

ClientSampleId :

RE134D3-20220616DL

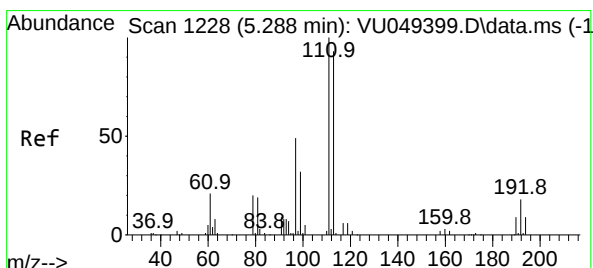
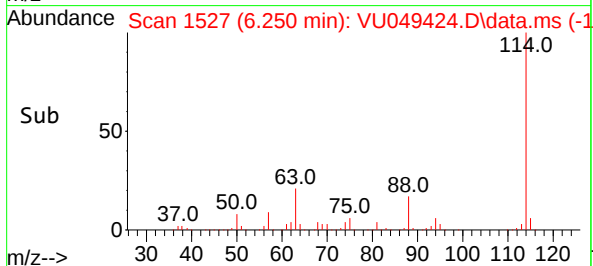
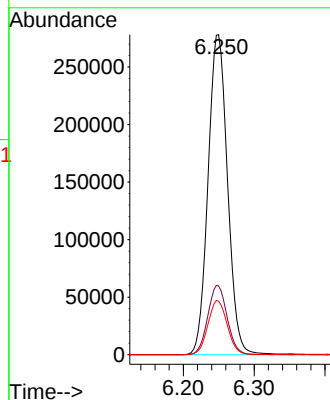
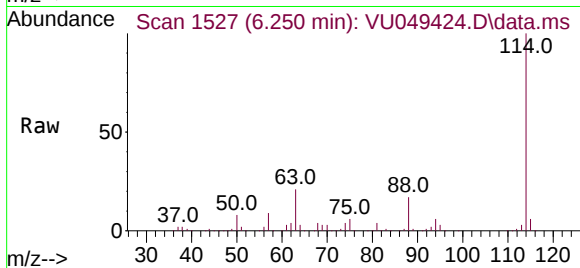
Tgt Ion:114 Resp: 531108

Ion Ratio Lower Upper

114 100

63 21.5 0.0 37.8

88 16.7 0.0 29.2



#35

Dibromofluoromethane

Concen: 44.123 ug/l

RT: 5.288 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VU049424.D

Acq: 28 Jun 2022 00:19

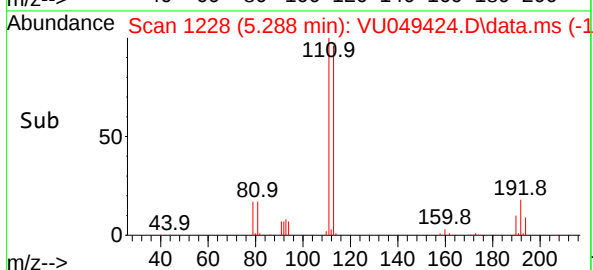
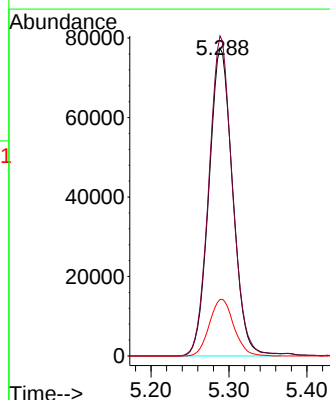
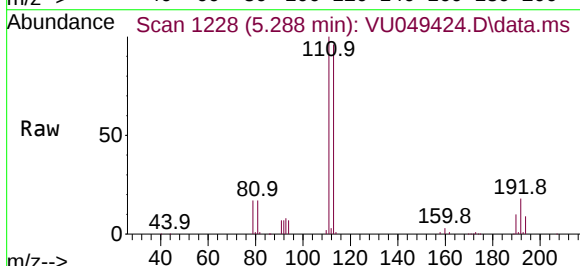
Tgt Ion:113 Resp: 163951

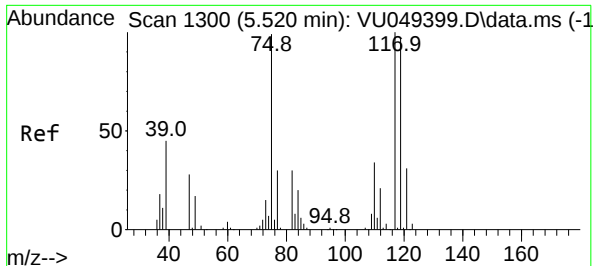
Ion Ratio Lower Upper

113 100

111 103.2 82.1 123.1

192 18.9 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.666 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049424.D

Acq: 28 Jun 2022 00:19

Instrument :

MSVOA_U

ClientSampleId :

RE134D3-20220616DL

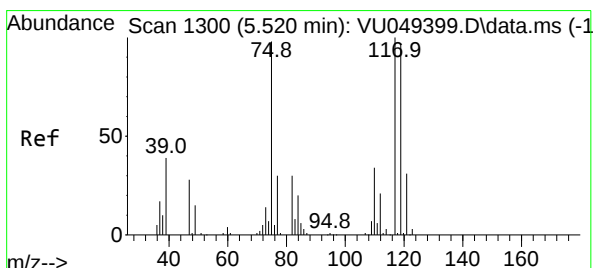
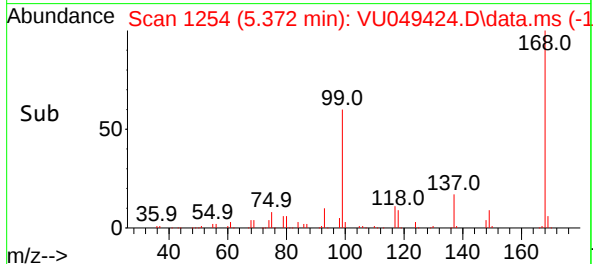
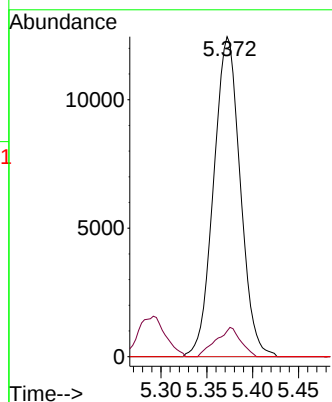
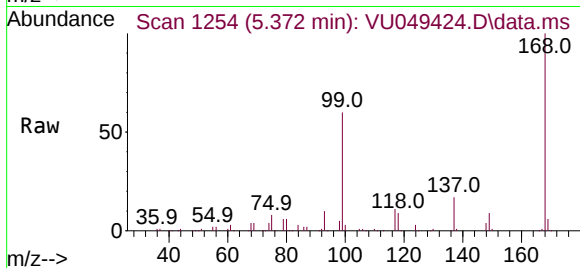
Tgt Ion: 75 Resp: 25138

Ion Ratio Lower Upper

75 100

110 8.4 18.4 55.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.719 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049424.D

Acq: 28 Jun 2022 00:19

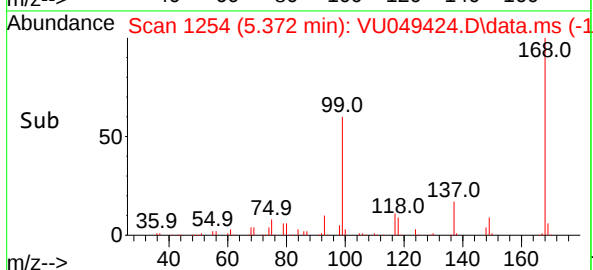
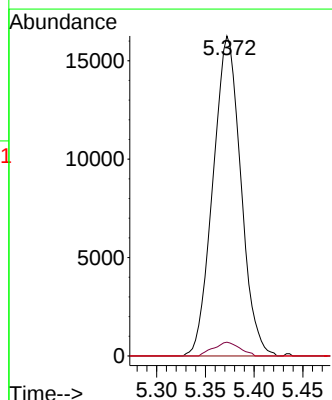
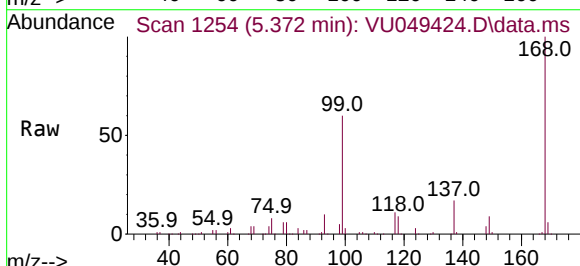
Tgt Ion: 117 Resp: 32314

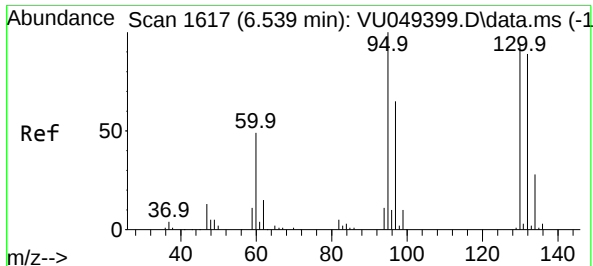
Ion Ratio Lower Upper

117 100

119 4.3 76.8 115.2#

121 0.0 24.7 37.1#





#44

Trichloroethene

Concen: 13.610 ug/l

RT: 6.542 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU049424.D

Acq: 28 Jun 2022 00:19

Instrument :

MSVOA_U

ClientSampleId :

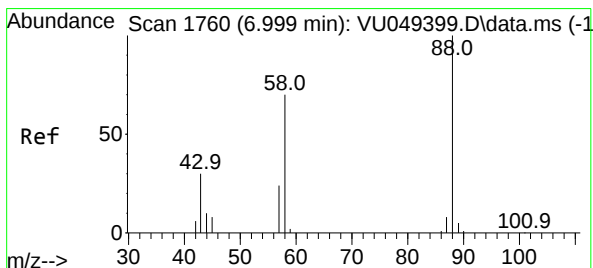
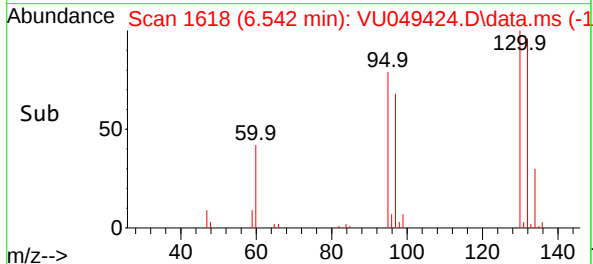
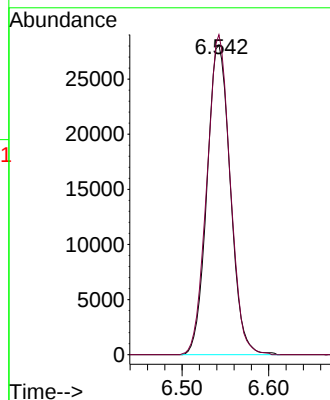
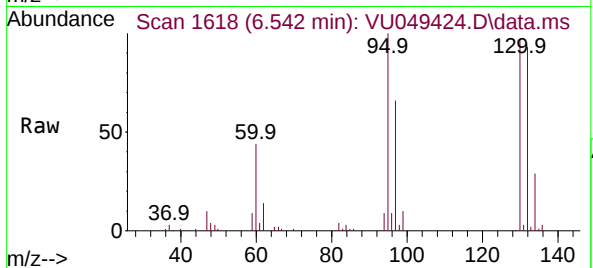
RE134D3-20220616DL

Tgt Ion:130 Resp: 52629

Ion Ratio Lower Upper

130 100

95 103.3 0.0 184.6



#49

1,4-Dioxane

Concen: 3.389 ug/l

RT: 6.999 min Scan# 1760

Delta R.T. 0.000 min

Lab File: VU049424.D

Acq: 28 Jun 2022 00:19

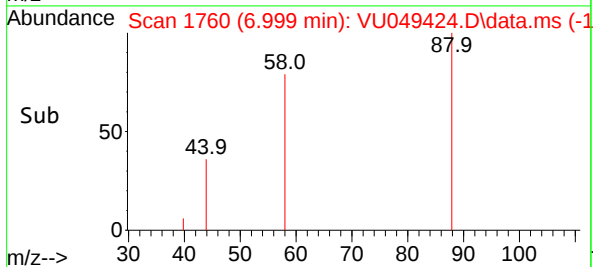
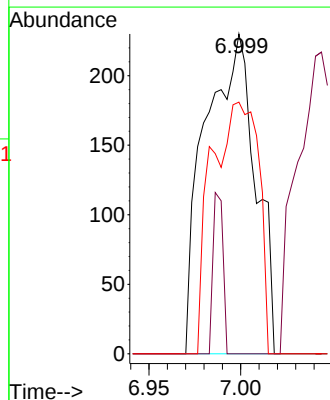
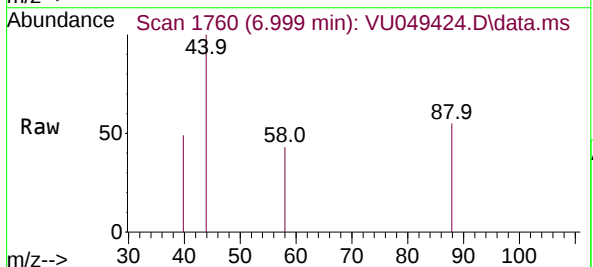
Tgt Ion: 88 Resp: 439

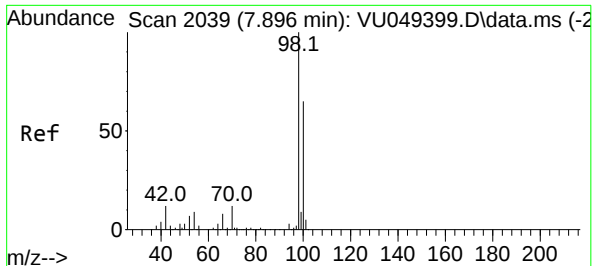
Ion Ratio Lower Upper

88 100

43 10.0 0.0 0.0#

58 73.3 15.4 23.0#

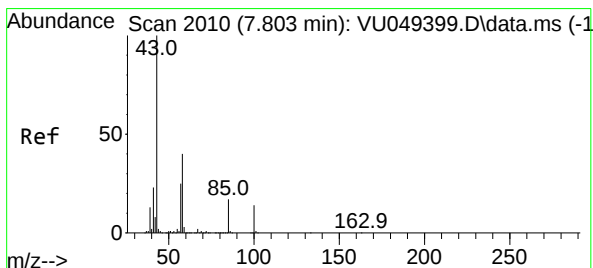
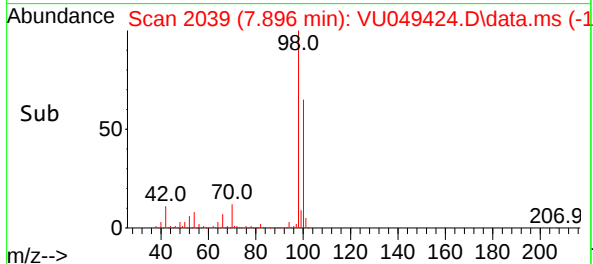
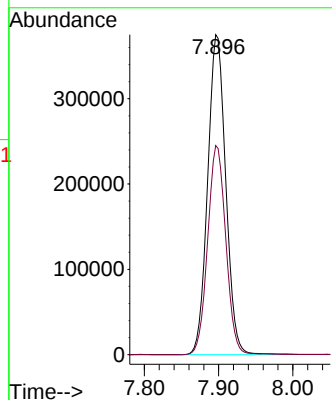
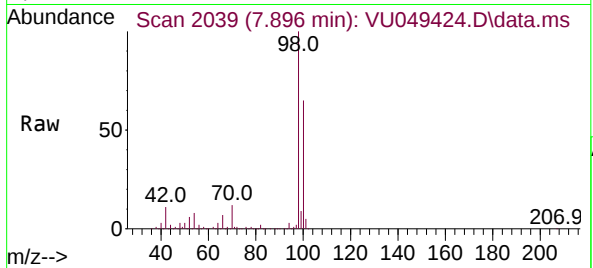




#50
Toluene-d8
Concen: 47.847 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049424.D
Acq: 28 Jun 2022 00:19

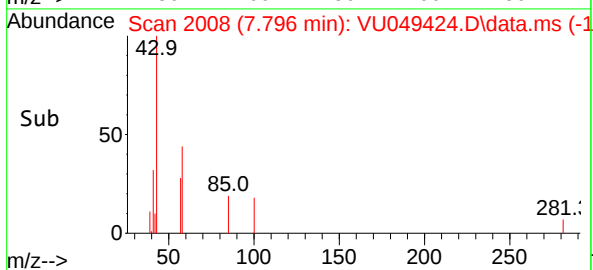
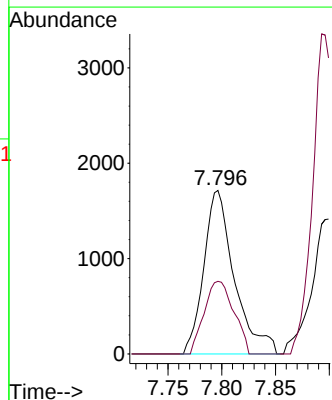
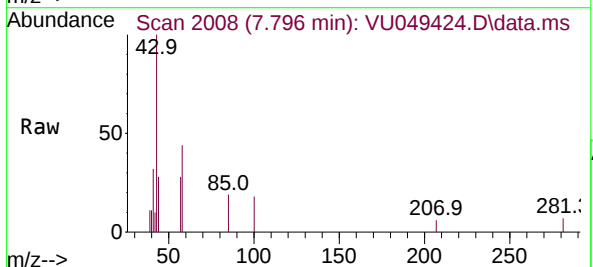
Instrument :
MSVOA_U
ClientSampleId :
RE134D3-20220616DL

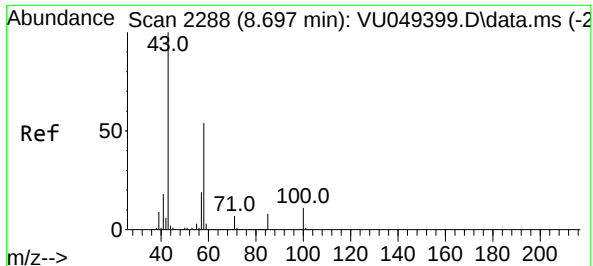
Tgt Ion: 98 Resp: 634129
Ion Ratio Lower Upper
98 100
100 65.7 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.469 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. -0.006 min
Lab File: VU049424.D
Acq: 28 Jun 2022 00:19

Tgt Ion: 43 Resp: 3383
Ion Ratio Lower Upper
43 100
58 43.0 34.7 52.1





#59

2-Hexanone

Concen: 0.640 ug/l

RT: 8.690 min Scan# 21

Delta R.T. -0.006 min

Lab File: VU049424.D

Acq: 28 Jun 2022 00:19

Instrument :

MSVOA_U

ClientSampleId :

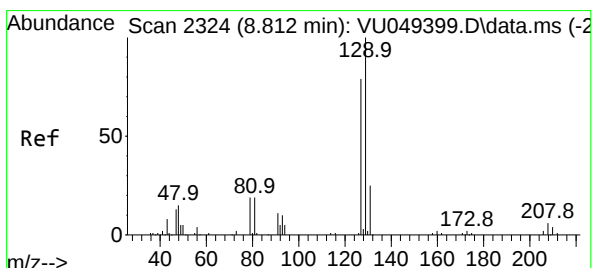
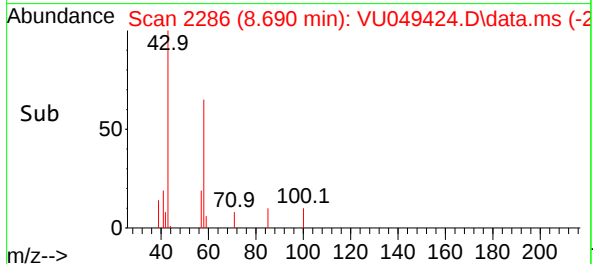
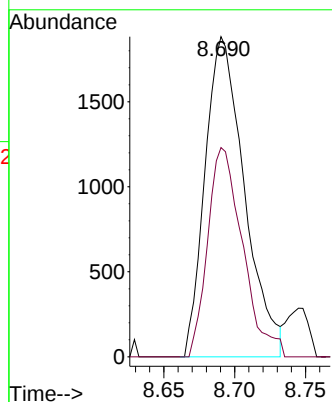
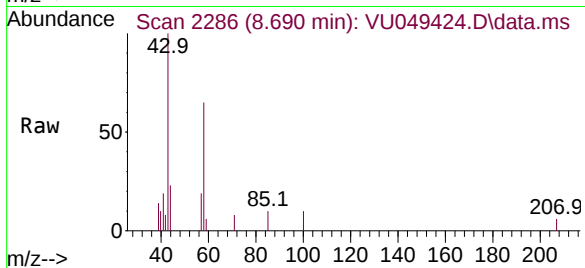
RE134D3-20220616DL

Tgt Ion: 43 Resp: 3632

Ion Ratio Lower Upper

43 100

58 57.9 30.3 90.8



#60

Dibromochloromethane

Concen: 7.307 ug/l

RT: 8.552 min Scan# 2243

Delta R.T. -0.260 min

Lab File: VU049424.D

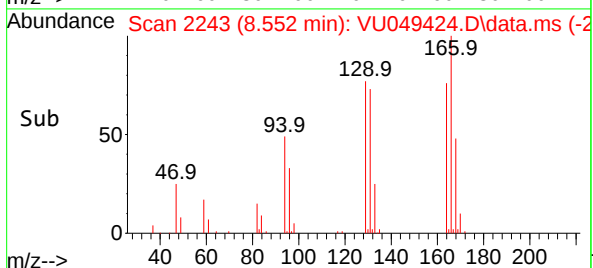
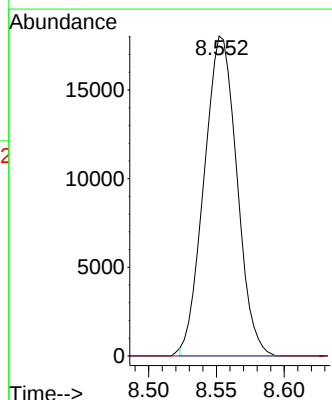
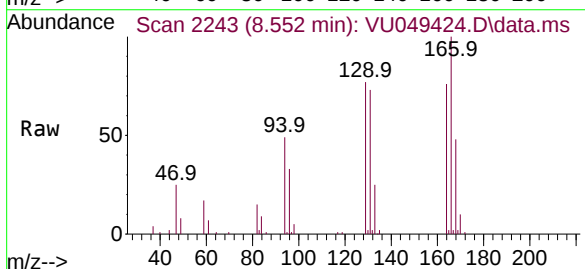
Acq: 28 Jun 2022 00:19

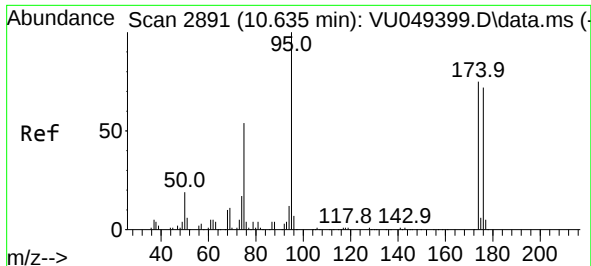
Tgt Ion: 129 Resp: 30374

Ion Ratio Lower Upper

129 100

127 0.0 38.6 116.0#

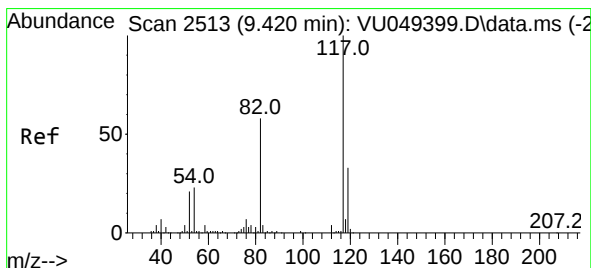
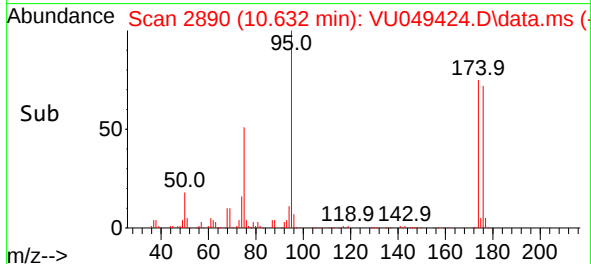
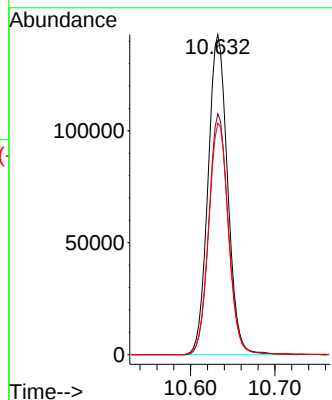
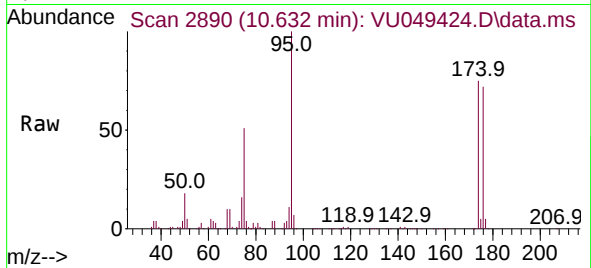




#62
4-Bromofluorobenzene
Concen: 45.435 ug/l
RT: 10.632 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049424.D
Acq: 28 Jun 2022 00:19

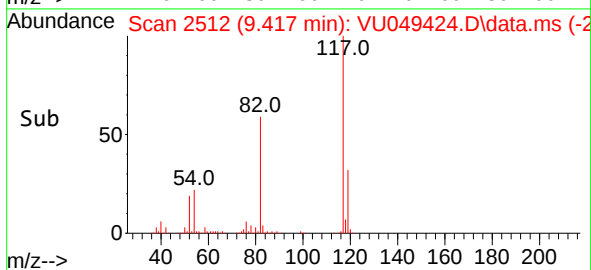
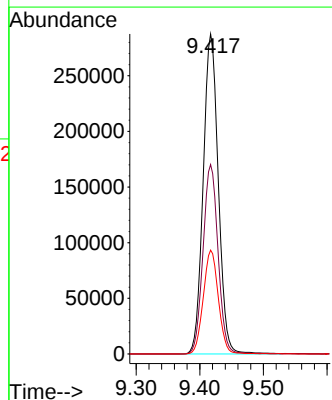
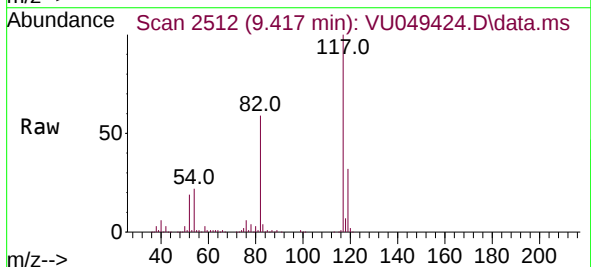
Instrument :
MSVOA_U
ClientSampleId :
RE134D3-20220616DL

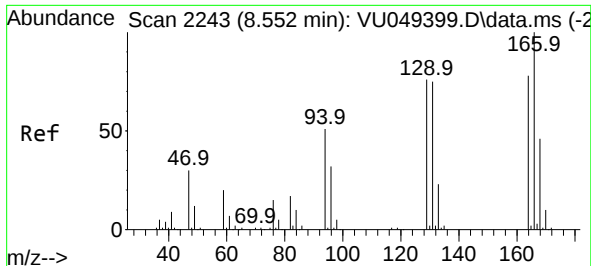
Tgt Ion: 95 Resp: 230665
Ion Ratio Lower Upper
95 100
174 75.0 0.0 182.0
176 73.0 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049424.D
Acq: 28 Jun 2022 00:19

Tgt Ion: 117 Resp: 474325
Ion Ratio Lower Upper
117 100
82 59.2 41.7 62.5
119 32.5 25.7 38.5

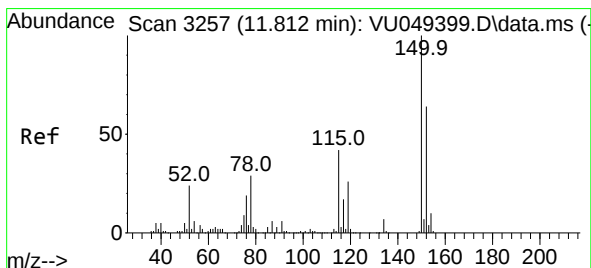
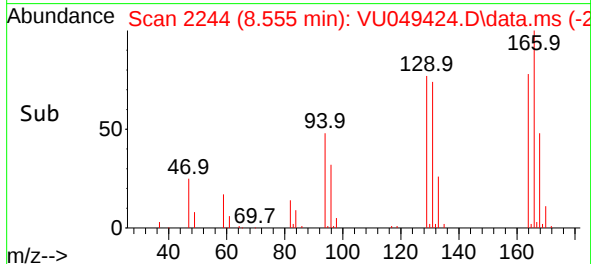
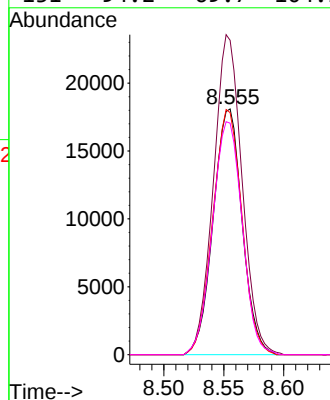
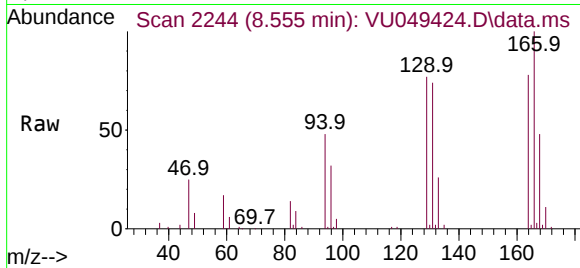




#64
Tetrachloroethene
Concen: 9.967 ug/l
RT: 8.555 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU049424.D
Acq: 28 Jun 2022 00:19

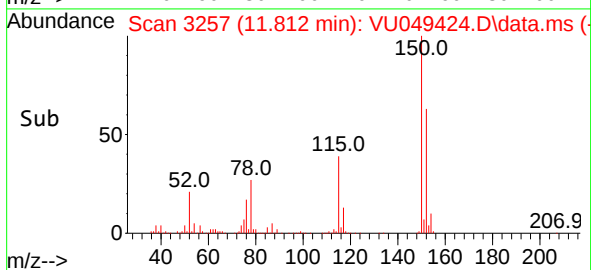
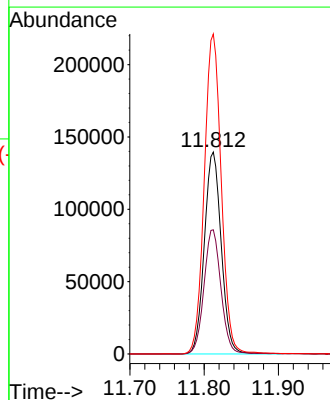
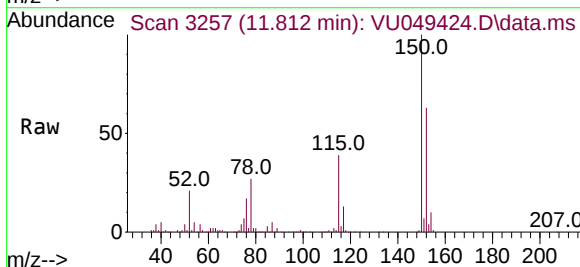
Instrument :
MSVOA_U
ClientSampleId :
RE134D3-20220616DL

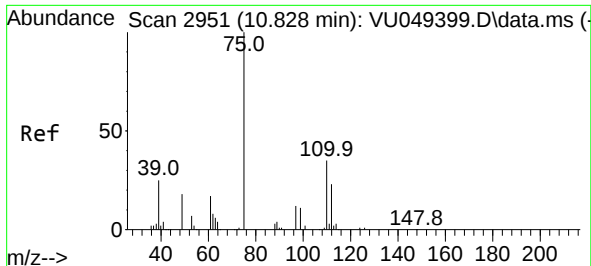
Tgt Ion:164 Resp: 30323
Ion Ratio Lower Upper
164 100
166 127.9 100.0 150.0
129 98.5 72.0 108.0
131 94.2 69.7 104.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.000 min
Lab File: VU049424.D
Acq: 28 Jun 2022 00:19

Tgt Ion:152 Resp: 220617
Ion Ratio Lower Upper
152 100
115 61.6 37.0 110.9
150 159.2 0.0 342.2

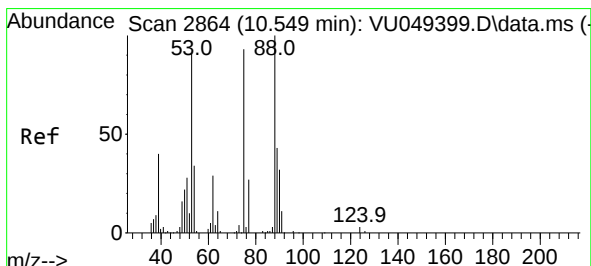
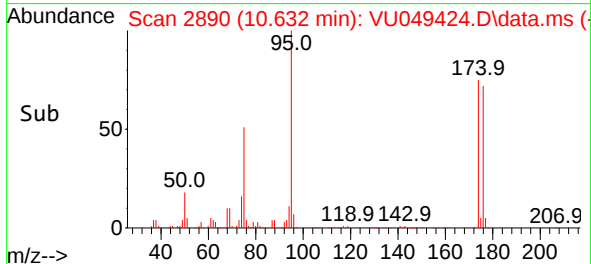
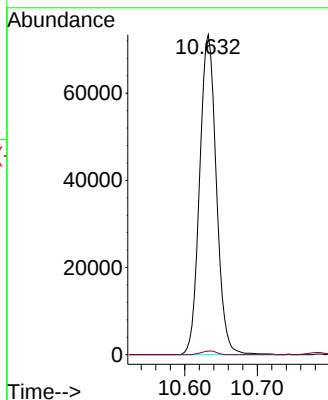
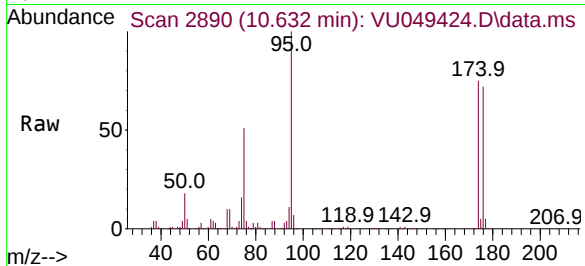




#76
1,2,3-Trichloropropane
Concen: 15.762 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU049424.D
Acq: 28 Jun 2022 00:19

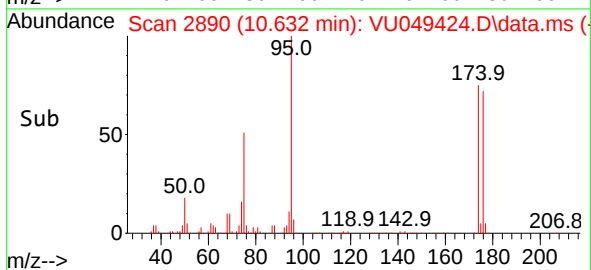
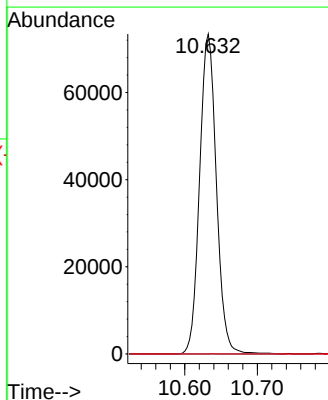
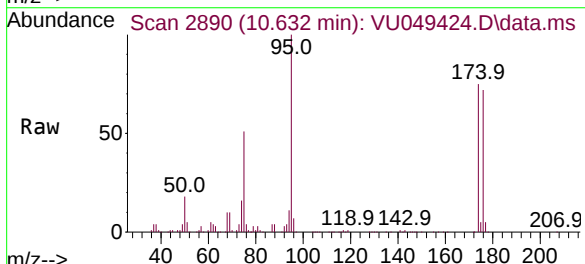
Instrument :
MSVOA_U
ClientSampleId :
RE134D3-20220616DL

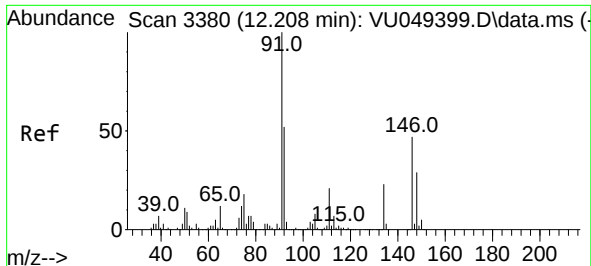
Tgt Ion: 75 Resp: 117878
Ion Ratio Lower Upper
75 100
77 1.0 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.206 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.084 min
Lab File: VU049424.D
Acq: 28 Jun 2022 00:19

Tgt Ion: 75 Resp: 117878
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#





#89

n-Butylbenzene

Concen: 0.232 ug/l

RT: 12.214 min Scan# 31

Delta R.T. 0.006 min

Lab File: VU049424.D

Acq: 28 Jun 2022 00:19

Instrument :

MSVOA_U

ClientSampleId :

RE134D3-20220616DL

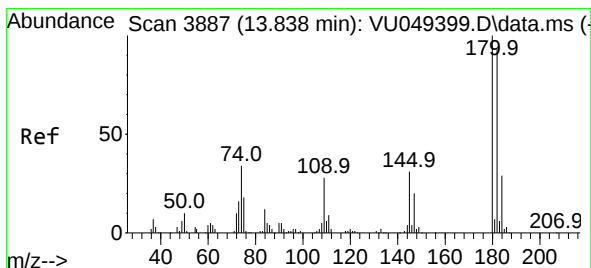
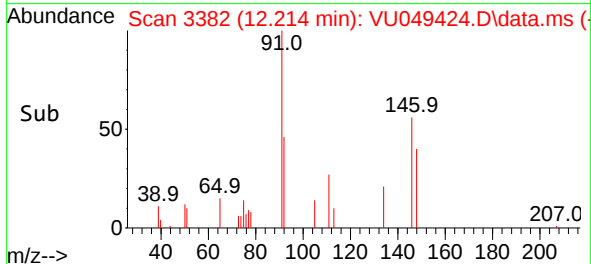
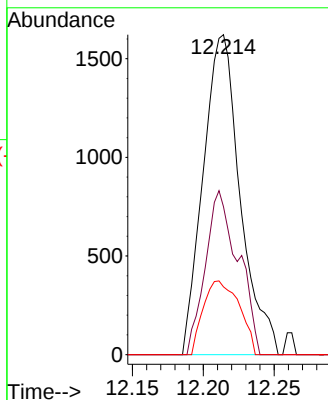
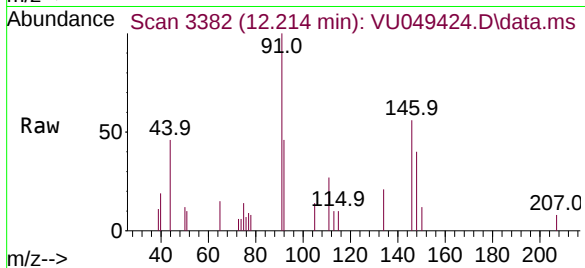
Tgt Ion: 91 Resp: 2946

Ion Ratio Lower Upper

91 100

92 45.6 26.2 78.6

134 22.4 13.5 40.4



#93

1,2,4-Trichlorobenzene

Concen: 2.341 ug/l

RT: 13.844 min Scan# 3889

Delta R.T. 0.006 min

Lab File: VU049424.D

Acq: 28 Jun 2022 00:19

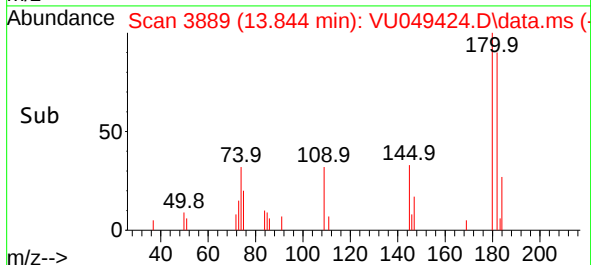
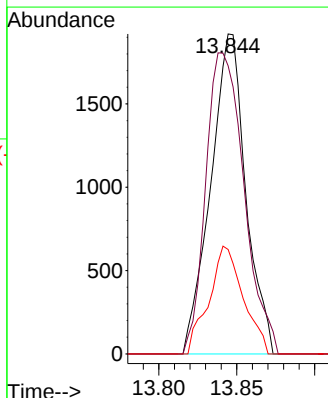
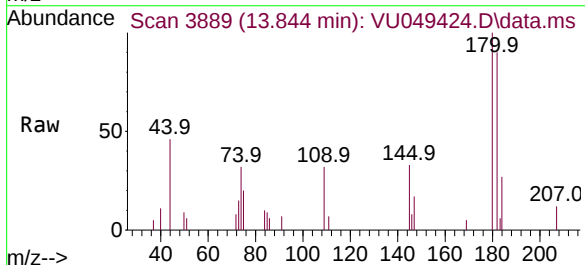
Tgt Ion: 180 Resp: 3008

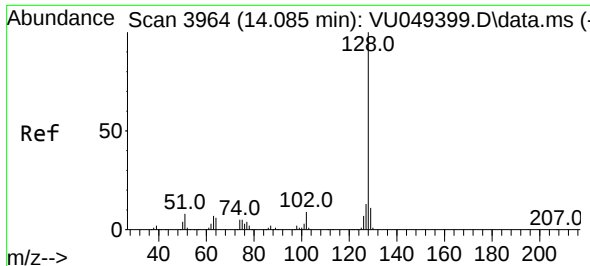
Ion Ratio Lower Upper

180 100

182 102.6 47.9 143.6

145 32.8 14.0 41.9

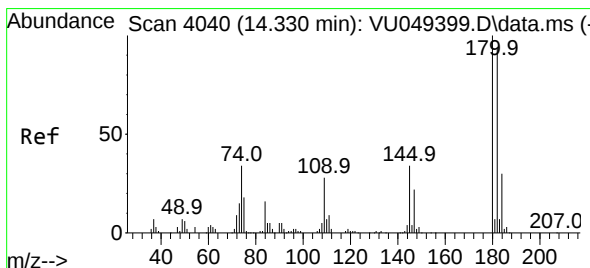
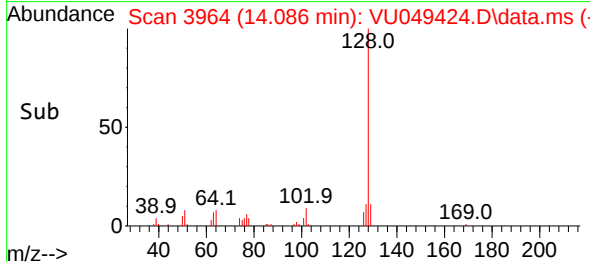
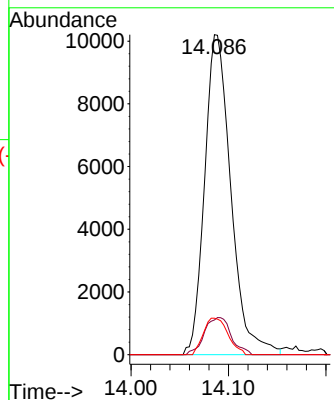
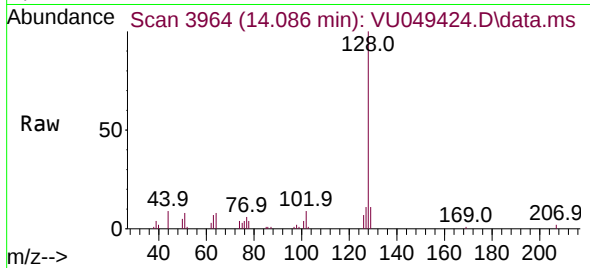




#95
Naphthalene
Concen: 2.806 ug/l
RT: 14.086 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU049424.D
Acq: 28 Jun 2022 00:19

Instrument :
MSVOA_U
ClientSampleId :
RE134D3-20220616DL

Tgt Ion:128 Resp: 19142
Ion Ratio Lower Upper
128 100
127 11.9 10.3 15.5
129 10.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 1.875 ug/l
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU049424.D
Acq: 28 Jun 2022 00:19

Tgt Ion:180 Resp: 3634
Ion Ratio Lower Upper
180 100
182 104.0 48.4 145.0
145 33.0 14.8 44.4

