

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011923\
 Data File : VU052742.D
 Acq On : 19 Jan 2023 17:57
 Operator : JC/MD
 Sample : VU0119WBL05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0119WBL05

Quant Time: Jan 20 01:11:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U011923W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 20 01:04:16 2023
 Response via : Initial Calibration

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

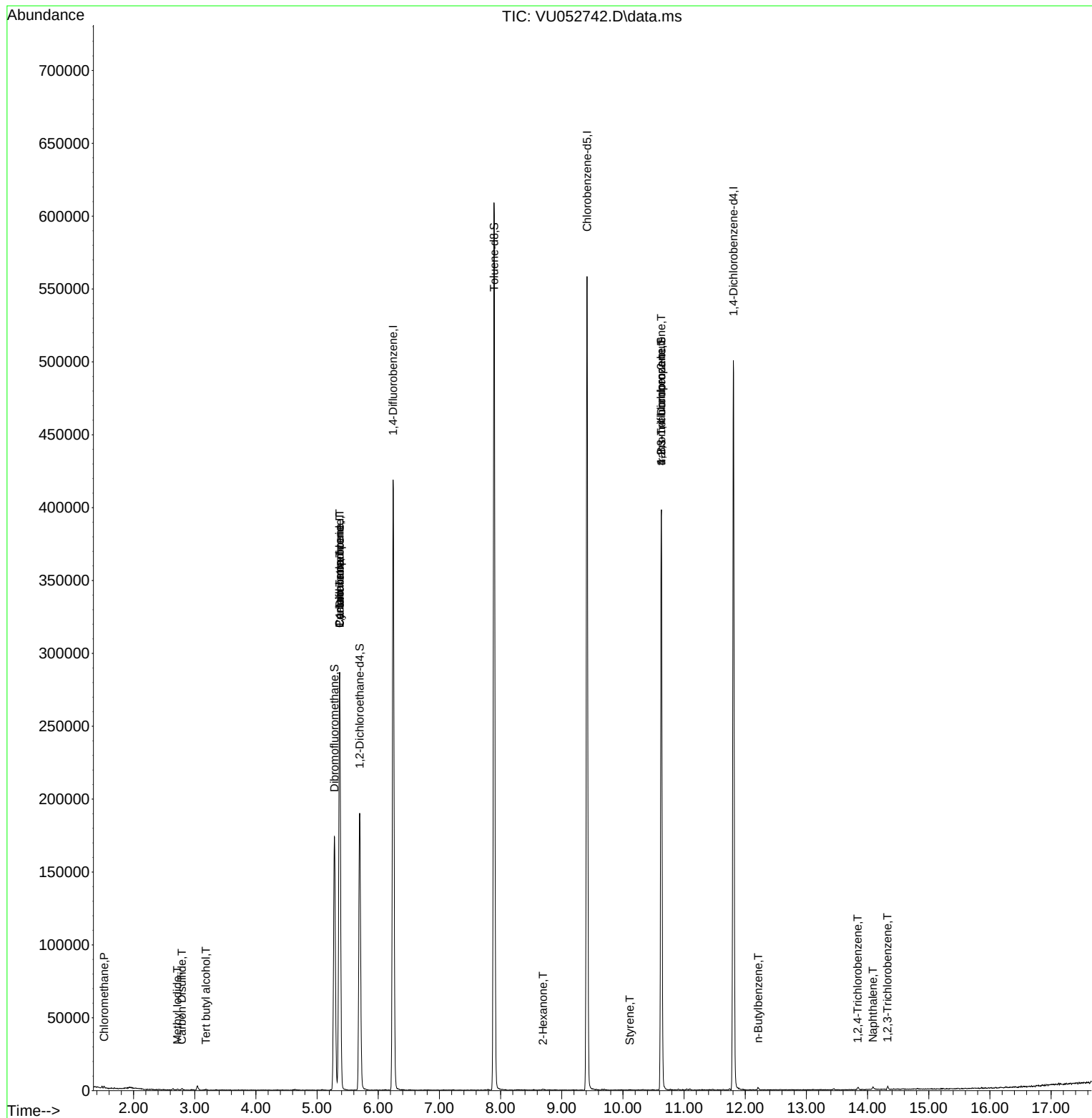
Internal Standards						
1) Pentafluorobenzene	5.369	168	202832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	340821	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	307572	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	134197	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.697	65	146057	50.000	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 100.000%		
35) Dibromofluoromethane	5.282	113	113988	48.032	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 96.060%		
50) Toluene-d8	7.893	98	397750	44.692	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 89.380%#		
62) 4-Bromofluorobenzene	10.629	95	130375	40.102	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 80.200%#		
Target Compounds						
						Qvalue
3) Chloromethane	1.520	50	1037	0.422	ug/l #	80
10) Methyl Iodide	2.716	142	602	4.701	ug/l #	83
11) Tert butyl alcohol	3.183	59	218	0.438	ug/l #	88
17) Carbon Disulfide	2.790	76	1321	0.204	ug/l #	74
20) Methylene Chloride	3.044	84	1576	Below Cal		85
31) Cyclohexane	5.369	56	4030	0.985	ug/l #	1
36) 1,1-Dichloropropene	5.369	75	16375	4.809	ug/l #	49
38) Carbon Tetrachloride	5.369	117	20078	5.731	ug/l #	17
59) 2-Hexanone	8.694	43	723	0.281	ug/l	85
70) Styrene	10.111	104	166	1.359	ug/l #	34
76) 1,2,3-Trichloropropane	10.629	75	66638	18.196	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.629	75	66638	70.709	ug/l #	13
89) n-Butylbenzene	12.211	91	875	2.552	ug/l #	79
93) 1,2,4-Trichlorobenzene	13.838	180	906	0.353	ug/l #	80
95) Naphthalene	14.089	128	2368	2.765	ug/l #	86
96) 1,2,3-Trichlorobenzene	14.327	180	987	0.387	ug/l #	81

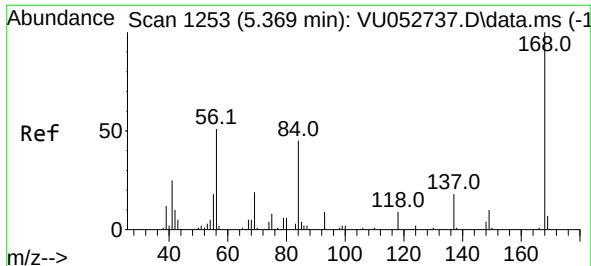
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jan 20 01:04:16 2023
Response via : Initial Calibration

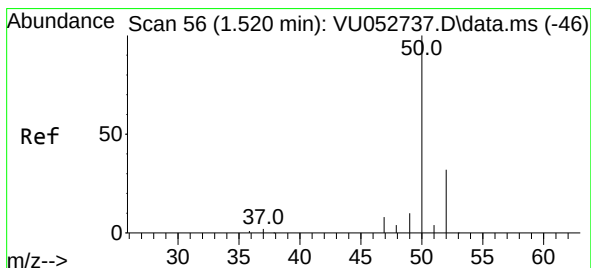
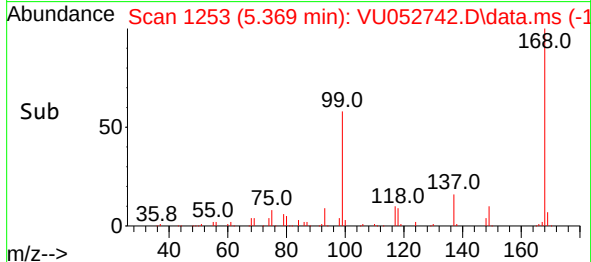
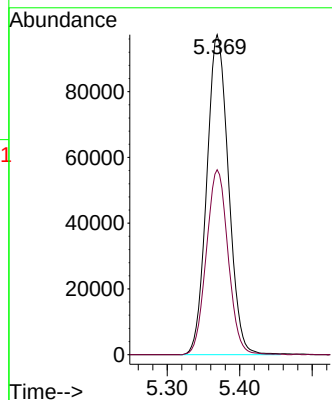
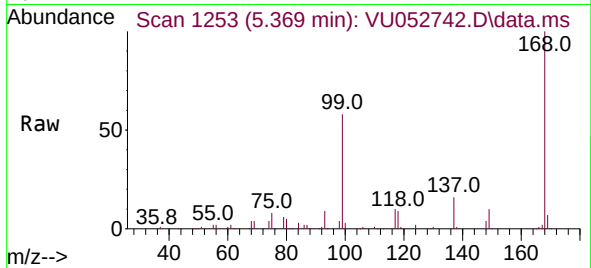




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU052742.D
Acq: 19 Jan 2023 17:57

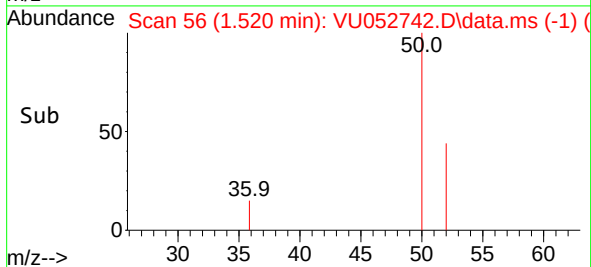
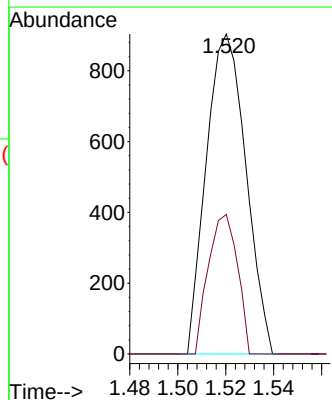
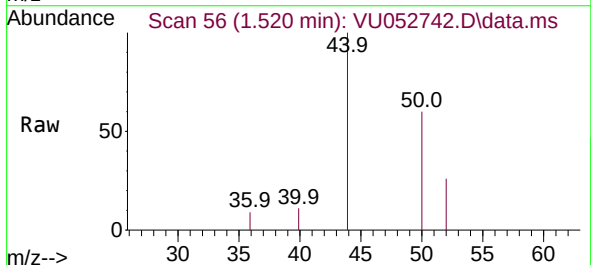
Instrument :
MSVOA_U
ClientSampleId :
VU0119WBL05

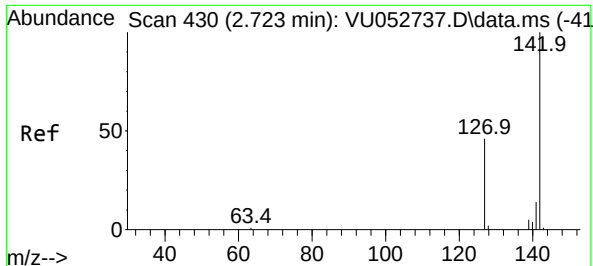
Tgt Ion:168 Resp: 202832
Ion Ratio Lower Upper
168 100
99 57.8 46.4 69.6



#3
Chloromethane
Concen: 0.422 ug/l
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU052742.D
Acq: 19 Jan 2023 17:57

Tgt Ion: 50 Resp: 1037
Ion Ratio Lower Upper
50 100
52 43.6 25.8 38.6#

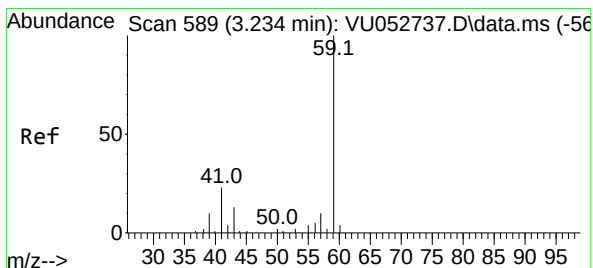
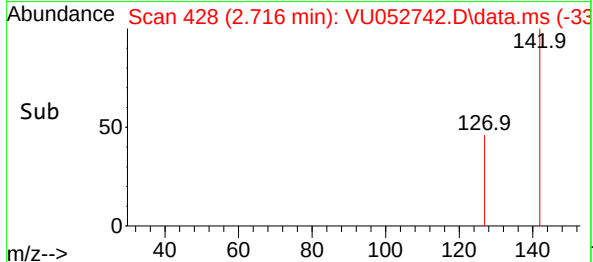
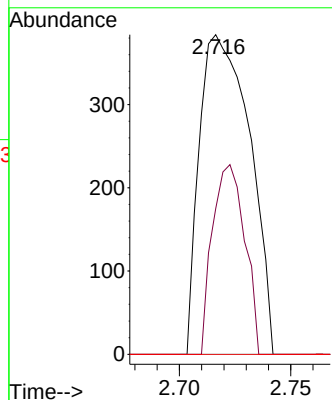
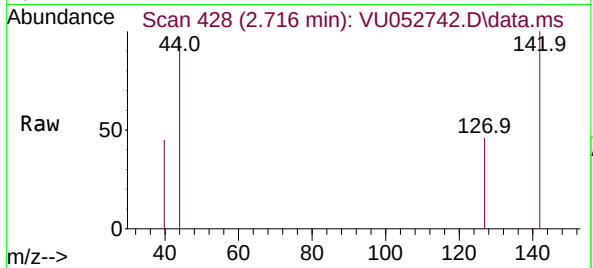




#10
Methyl Iodide
Concen: 4.701 ug/l
RT: 2.716 min Scan# 41
Delta R.T. -0.007 min
Lab File: VU052742.D
Acq: 19 Jan 2023 17:57

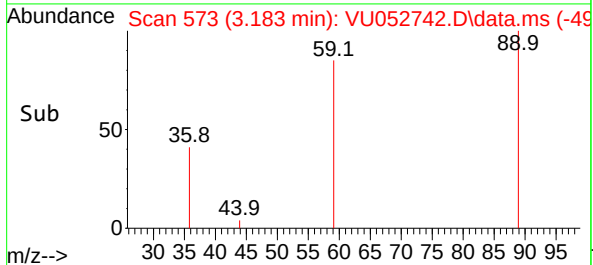
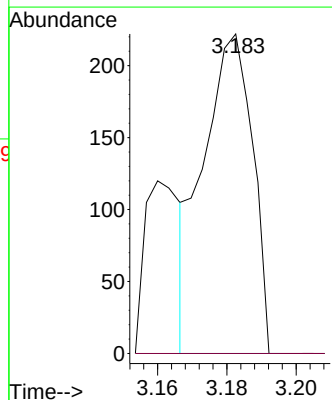
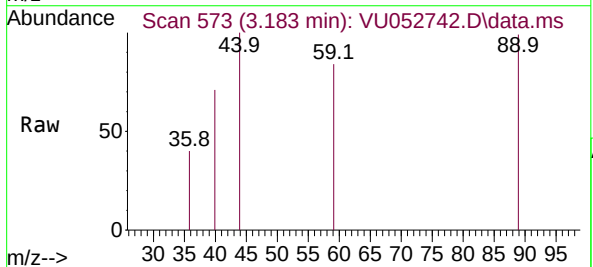
Instrument :
MSVOA_U
ClientSampleId :
VU0119WBL05

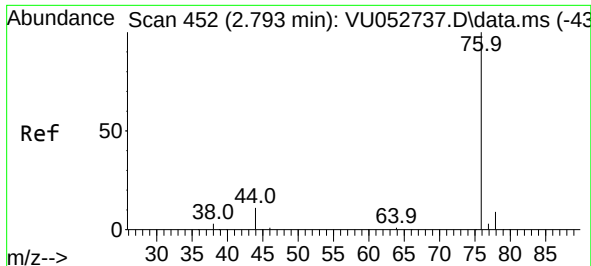
Tgt Ion:142 Resp: 602
Ion Ratio Lower Upper
142 100
127 38.0 36.3 54.5
141 0.0 11.8 17.6#



#11
Tert butyl alcohol
Concen: 0.438 ug/l
RT: 3.183 min Scan# 573
Delta R.T. -0.051 min
Lab File: VU052742.D
Acq: 19 Jan 2023 17:57

Tgt Ion: 59 Resp: 218
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

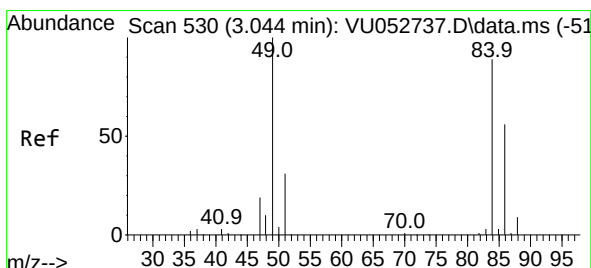
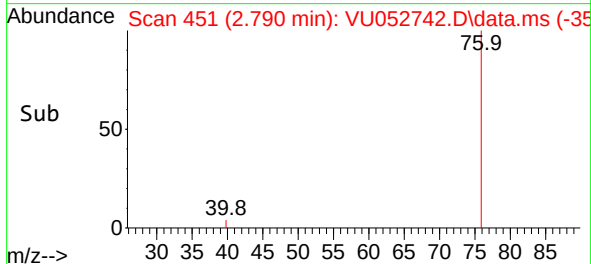
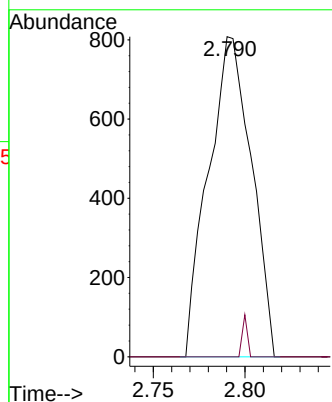
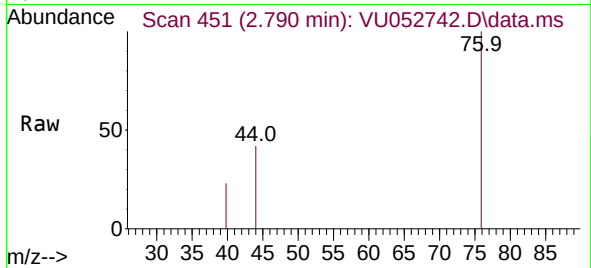




#17
Carbon Disulfide
Concen: 0.204 ug/l
RT: 2.790 min Scan# 41
Delta R.T. -0.003 min
Lab File: VU052742.D
Acq: 19 Jan 2023 17:57

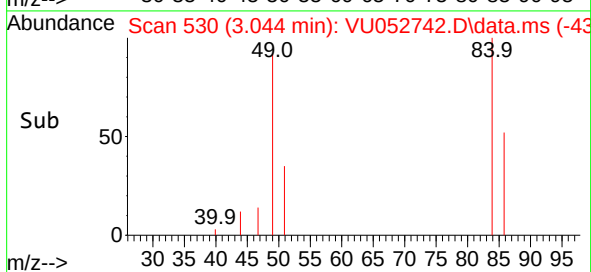
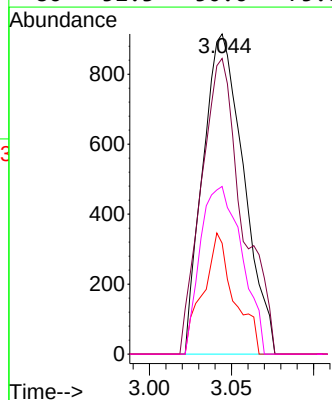
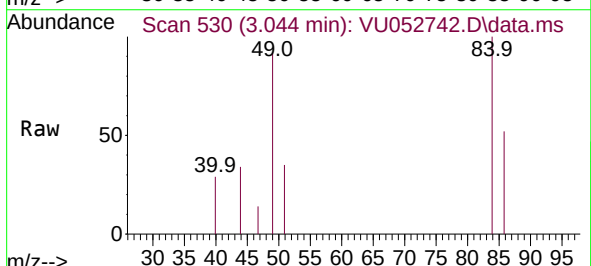
Instrument :
MSVOA_U
ClientSampleId :
VU0119WBL05

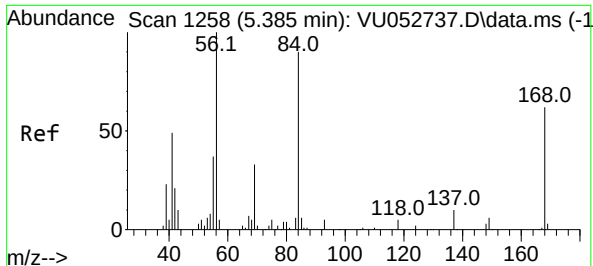
Tgt Ion: 76 Resp: 1321
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU052742.D
Acq: 19 Jan 2023 17:57

Tgt Ion: 84 Resp: 1576
Ion Ratio Lower Upper
84 100
49 92.3 90.2 135.4
51 34.6 28.1 42.1
86 52.3 50.6 75.8





#31

Cyclohexane

Concen: 0.985 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.016 min

Lab File: VU052742.D

Acq: 19 Jan 2023 17:57

Instrument :

MSVOA_U

ClientSampleId :

VU0119WBL05

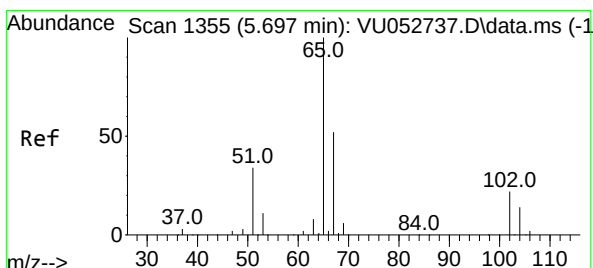
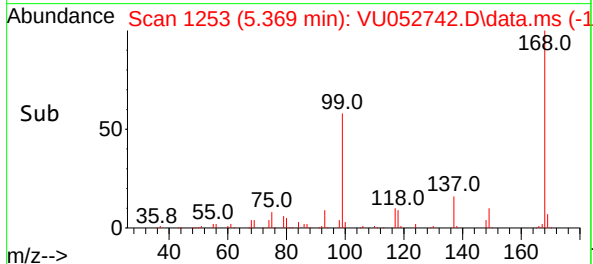
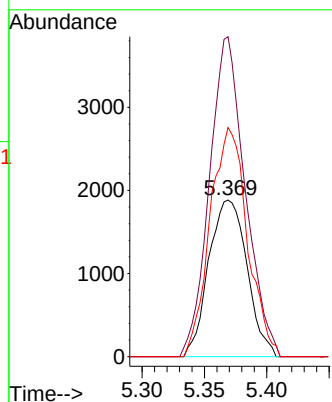
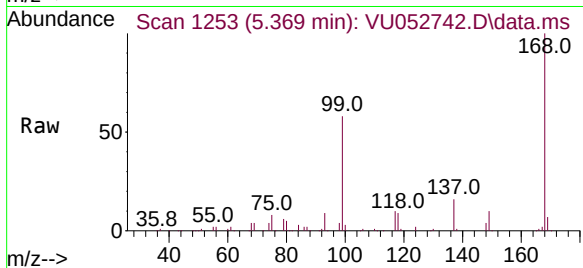
Tgt Ion: 56 Resp: 4030

Ion Ratio Lower Upper

56 100

69 204.4 26.2 39.2#

84 146.3 72.2 108.4#



#33

1,2-Dichloroethane-d4

Concen: 50.000 ug/l

RT: 5.697 min Scan# 1355

Delta R.T. 0.000 min

Lab File: VU052742.D

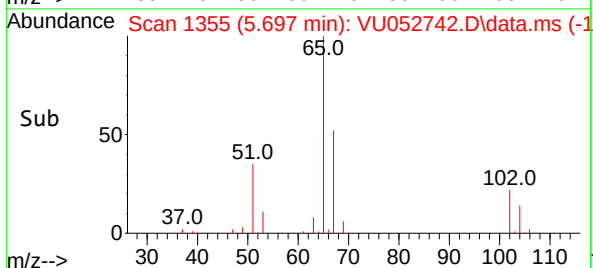
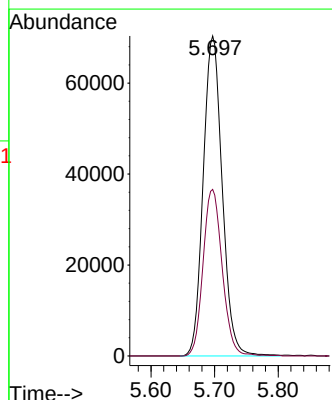
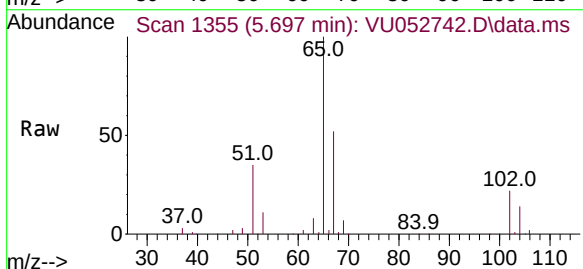
Acq: 19 Jan 2023 17:57

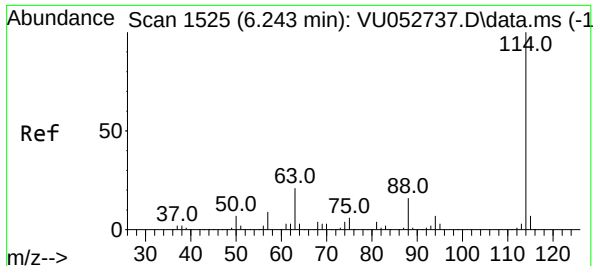
Tgt Ion: 65 Resp: 146057

Ion Ratio Lower Upper

65 100

67 52.3 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.243 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU052742.D

Acq: 19 Jan 2023 17:57

Instrument :

MSVOA_U

ClientSampleId :

VU0119WBL05

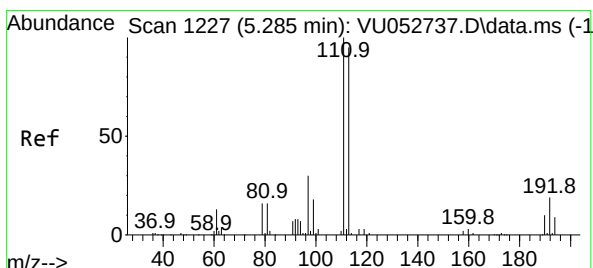
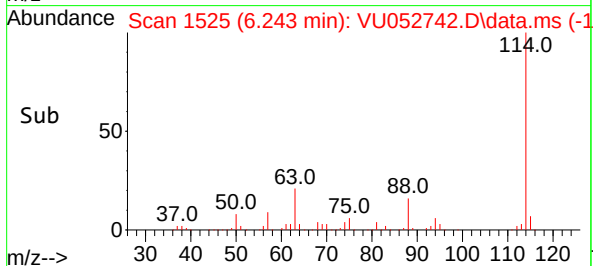
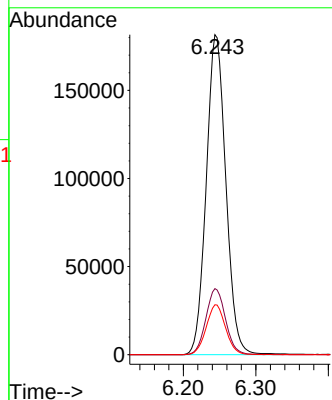
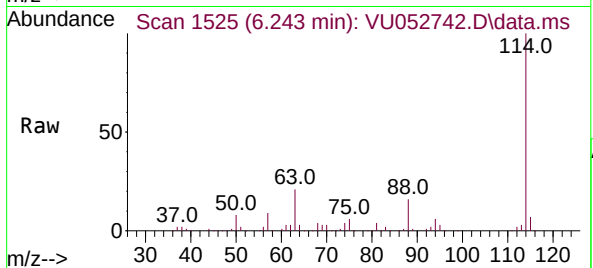
Tgt Ion:114 Resp: 340821

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.4

88 15.6 0.0 32.8



#35

Dibromofluoromethane

Concen: 48.032 ug/l

RT: 5.282 min Scan# 1226

Delta R.T. -0.003 min

Lab File: VU052742.D

Acq: 19 Jan 2023 17:57

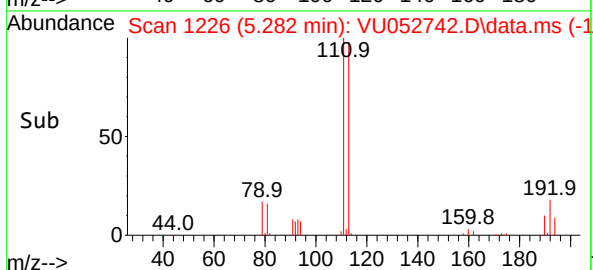
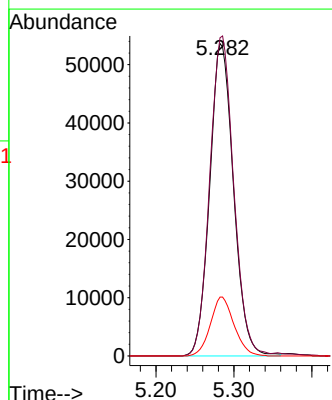
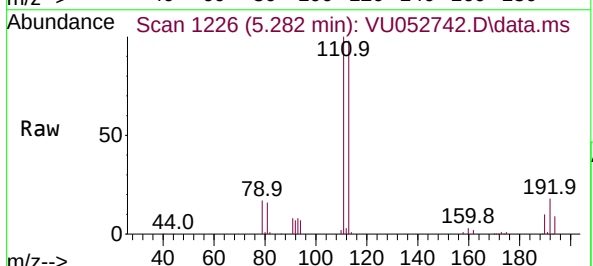
Tgt Ion:113 Resp: 113988

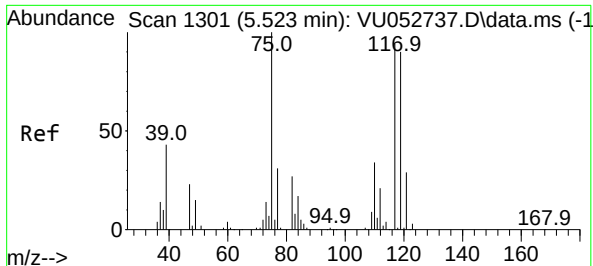
Ion Ratio Lower Upper

113 100

111 102.7 81.2 121.8

192 18.7 15.7 23.5





#36

1,1-Dichloropropene

Concen: 4.809 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.154 min

Lab File: VU052742.D

Acq: 19 Jan 2023 17:57

Instrument :

MSVOA_U

ClientSampleId :

VU0119WBL05

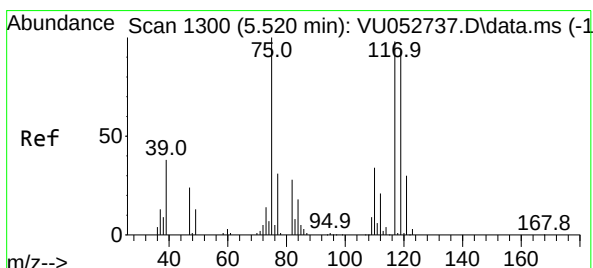
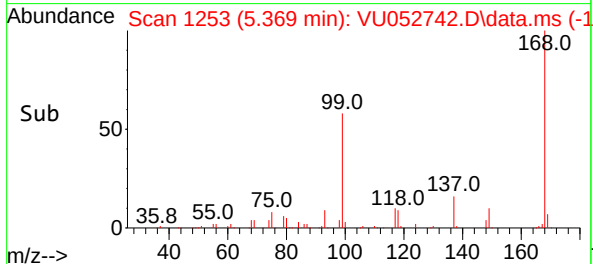
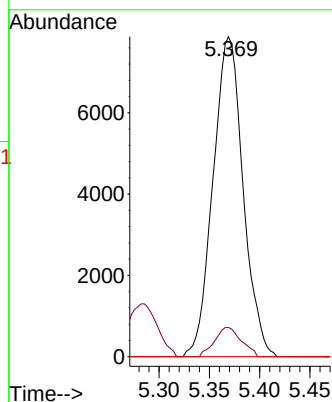
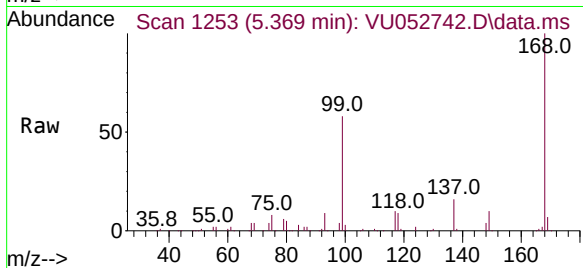
Tgt Ion: 75 Resp: 16375

Ion Ratio Lower Upper

75 100

110 8.1 17.1 51.2#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.731 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.151 min

Lab File: VU052742.D

Acq: 19 Jan 2023 17:57

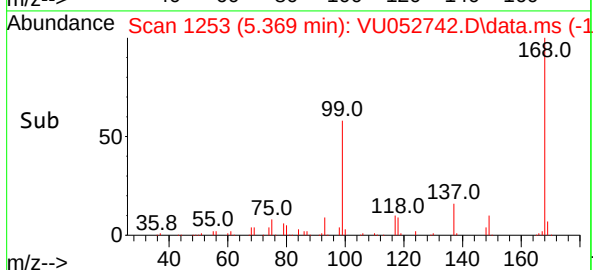
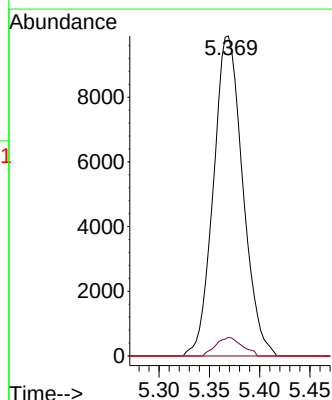
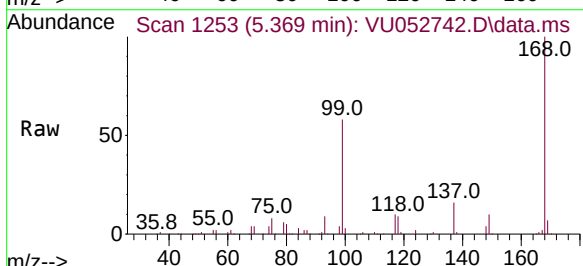
Tgt Ion: 117 Resp: 20078

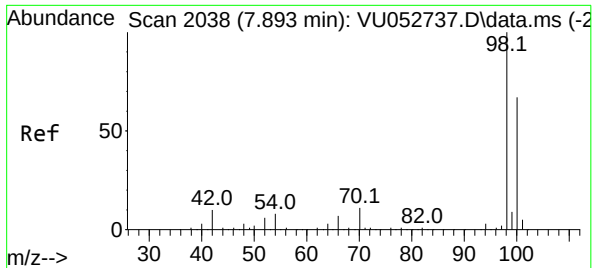
Ion Ratio Lower Upper

117 100

119 5.8 75.6 113.4#

121 0.0 24.2 36.4#

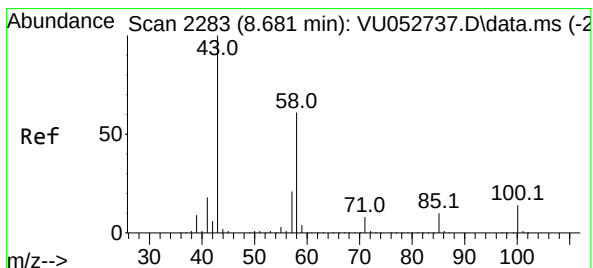
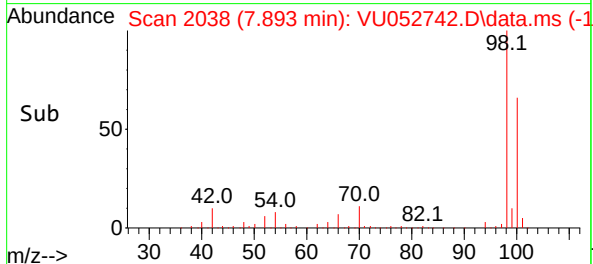
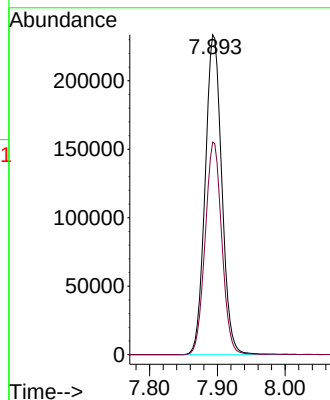
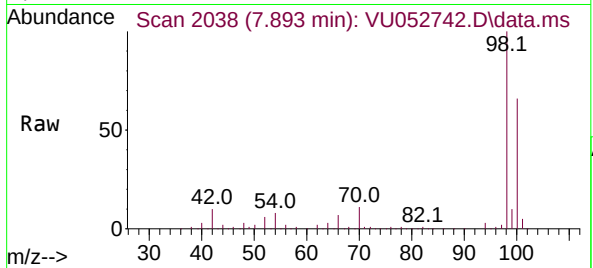




#50
Toluene-d8
Concen: 44.692 ug/l
RT: 7.893 min Scan# 2038
Delta R.T. 0.000 min
Lab File: VU052742.D
Acq: 19 Jan 2023 17:57

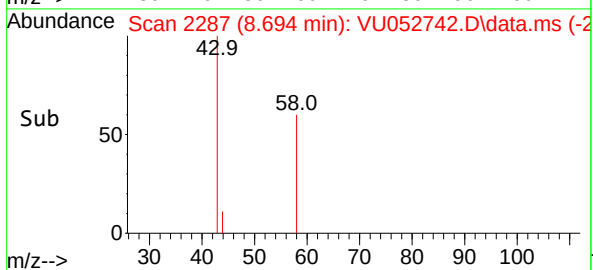
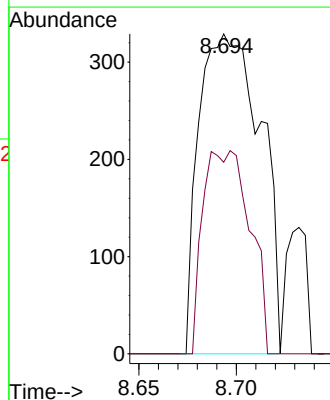
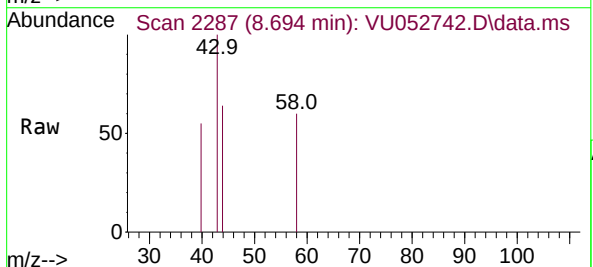
Instrument :
MSVOA_U
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VU0119WBL05

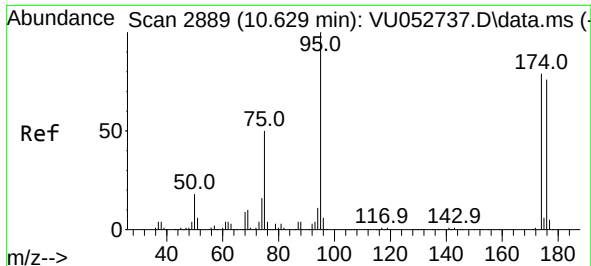
Tgt Ion: 98 Resp: 397750
Ion Ratio Lower Upper
98 100
100 66.7 53.7 80.5



#59
2-Hexanone
Concen: 0.281 ug/l
RT: 8.694 min Scan# 2287
Delta R.T. 0.013 min
Lab File: VU052742.D
Acq: 19 Jan 2023 17:57

Tgt Ion: 43 Resp: 723
Ion Ratio Lower Upper
43 100
58 48.7 29.8 89.5

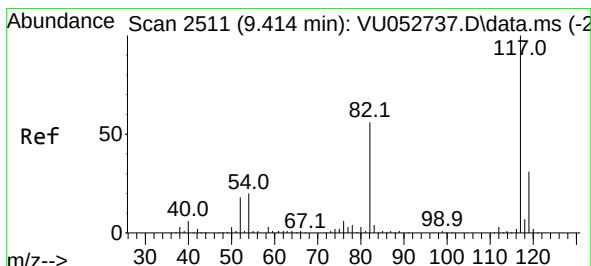
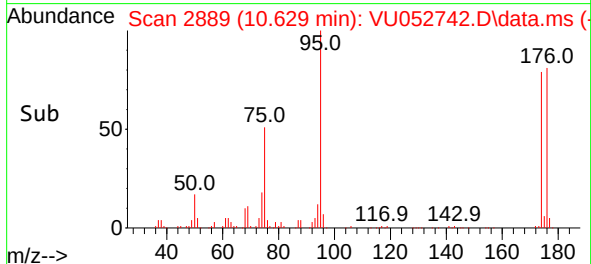
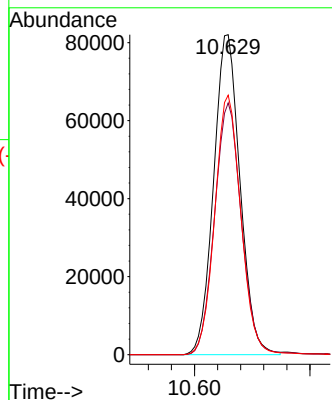
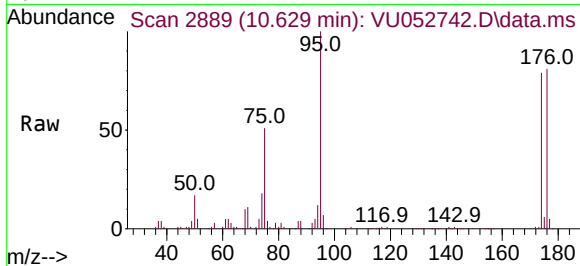




#62
4-Bromofluorobenzene
Concen: 40.102 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. 0.000 min
Lab File: VU052742.D
Acq: 19 Jan 2023 17:57

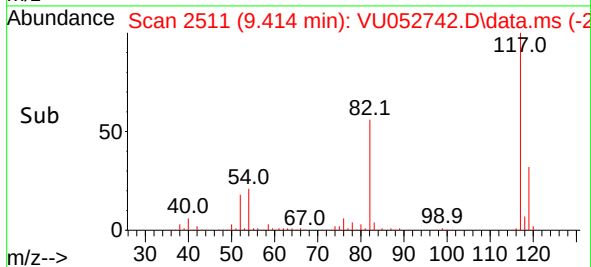
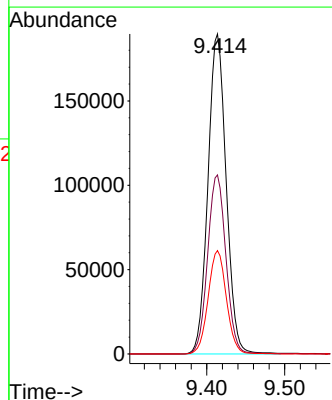
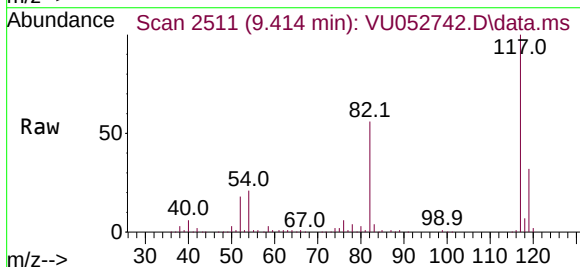
Instrument :
MSVOA_U
ClientSampleId :
VU0119WBL05

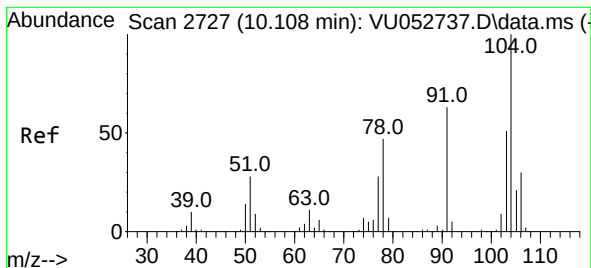
Tgt Ion: 95 Resp: 130375
Ion Ratio Lower Upper
95 100
174 79.7 0.0 158.6
176 80.5 0.0 150.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.414 min Scan# 2511
Delta R.T. -0.000 min
Lab File: VU052742.D
Acq: 19 Jan 2023 17:57

Tgt Ion: 117 Resp: 307572
Ion Ratio Lower Upper
117 100
82 55.9 44.7 67.1
119 32.3 25.0 37.6





#70

Styrene

Concen: 1.359 ug/l

RT: 10.111 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU052742.D

Acq: 19 Jan 2023 17:57

Instrument :

MSVOA_U

ClientSampleId :

VU0119WBL05

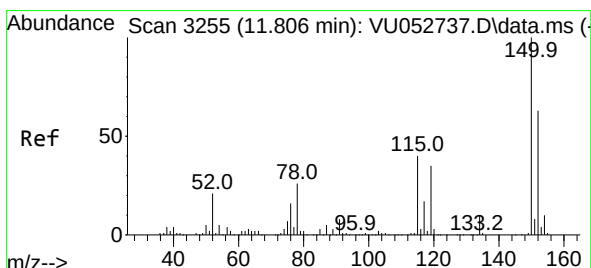
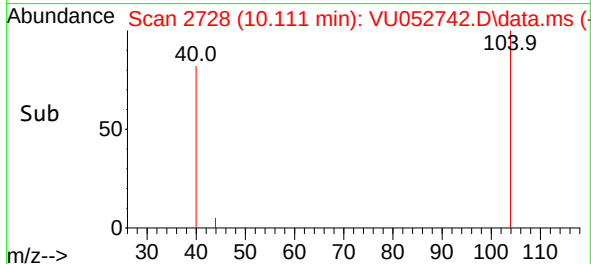
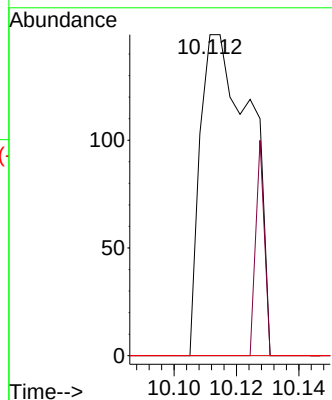
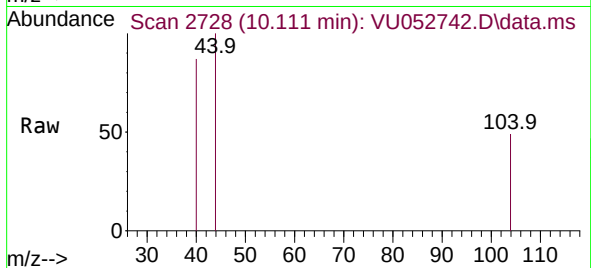
Tgt Ion:104 Resp: 166

Ion Ratio Lower Upper

104 100

78 11.4 39.9 59.9#

103 0.0 43.4 65.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.806 min Scan# 3255

Delta R.T. 0.000 min

Lab File: VU052742.D

Acq: 19 Jan 2023 17:57

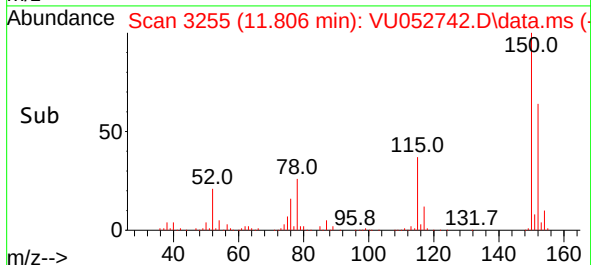
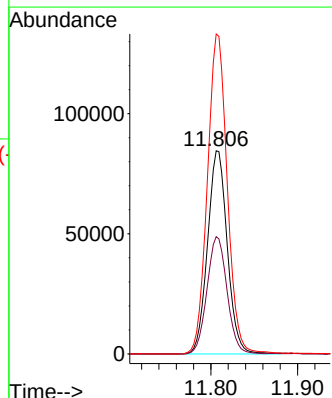
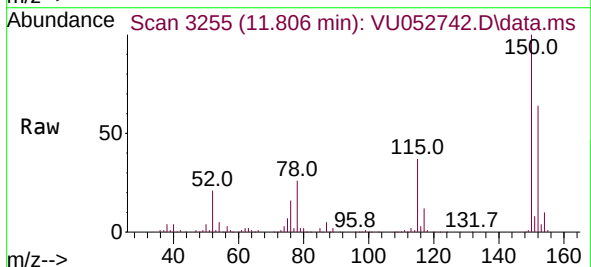
Tgt Ion:152 Resp: 134197

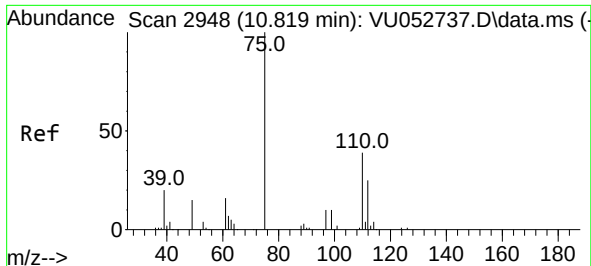
Ion Ratio Lower Upper

152 100

115 58.5 41.7 125.1

150 158.3 0.0 349.2

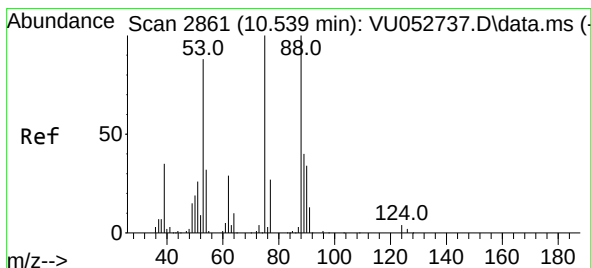
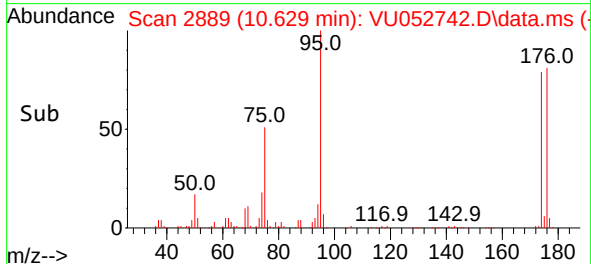
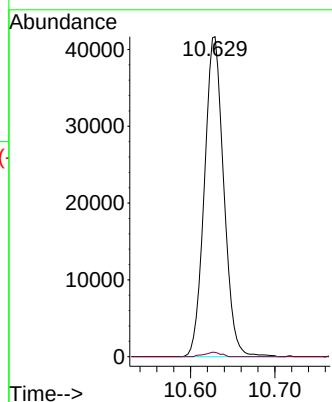
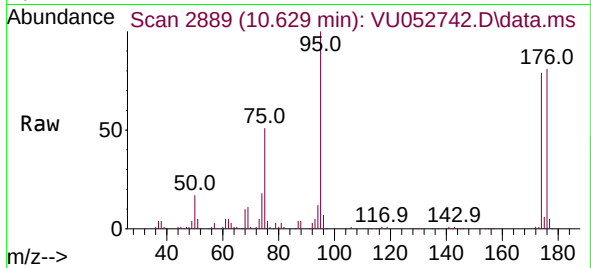




#76
1,2,3-Trichloropropane
Concen: 18.196 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. -0.190 min
Lab File: VU052742.D
Acq: 19 Jan 2023 17:57

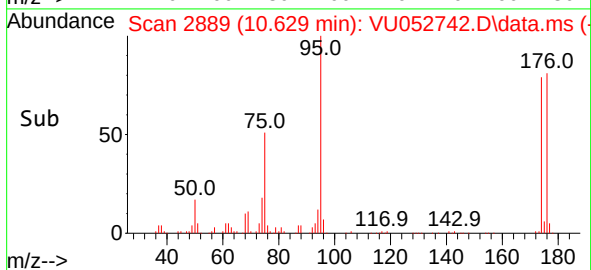
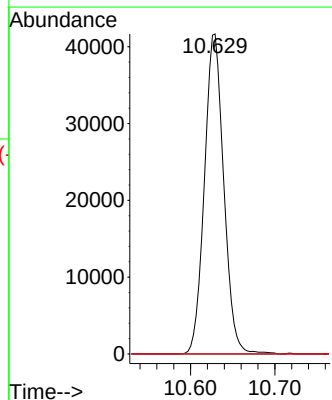
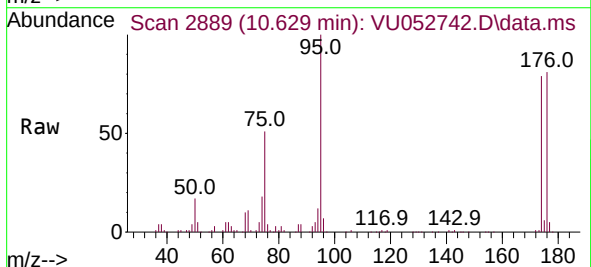
Instrument :
MSVOA_U
ClientSampleId :
VU0119WBL05

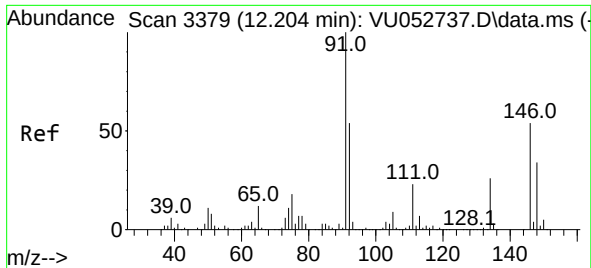
Tgt Ion: 75 Resp: 66638
Ion Ratio Lower Upper
75 100
77 1.2 15.0 45.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.709 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. 0.090 min
Lab File: VU052742.D
Acq: 19 Jan 2023 17:57

Tgt Ion: 75 Resp: 66638
Ion Ratio Lower Upper
75 100
53 0.0 72.4 108.6#
89 0.0 35.0 52.4#





#89

n-Butylbenzene

Concen: 2.552 ug/l

RT: 12.211 min Scan# 3381

Delta R.T. 0.007 min

Lab File: VU052742.D

Acq: 19 Jan 2023 17:57

Instrument :

MSVOA_U

ClientSampleId :

VU0119WBL05

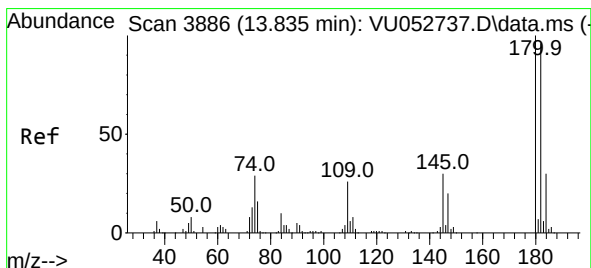
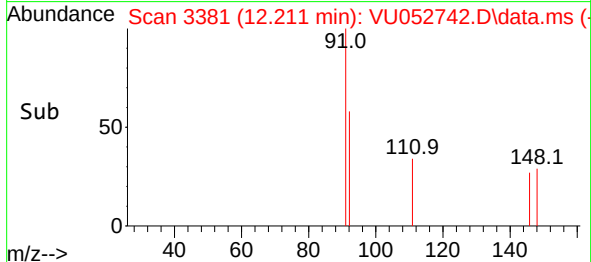
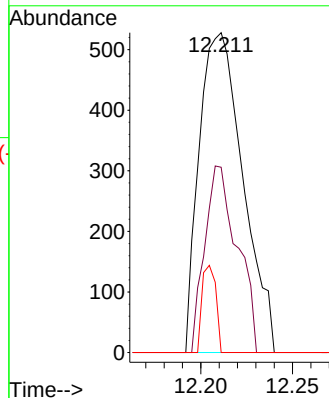
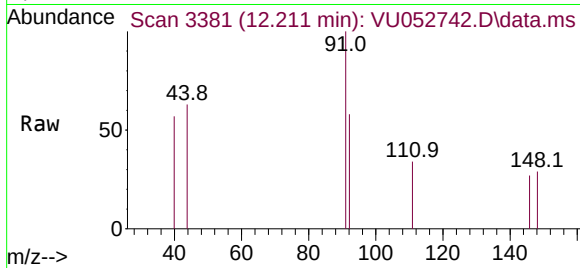
Tgt Ion: 91 Resp: 875

Ion Ratio Lower Upper

91 100

92 43.5 26.8 80.3

134 8.7 13.1 39.3#



#93

1,2,4-Trichlorobenzene

Concen: 0.353 ug/l

RT: 13.838 min Scan# 3887

Delta R.T. 0.003 min

Lab File: VU052742.D

Acq: 19 Jan 2023 17:57

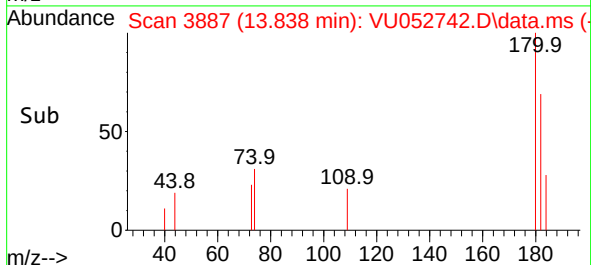
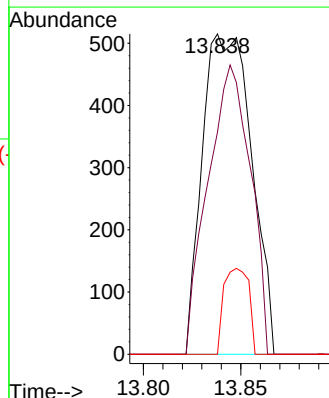
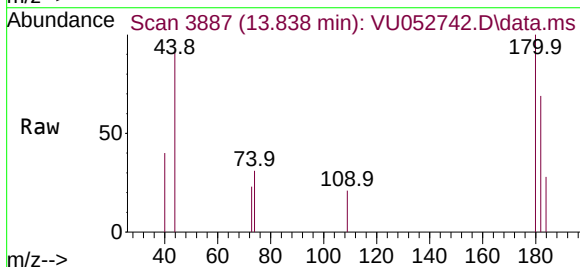
Tgt Ion:180 Resp: 906

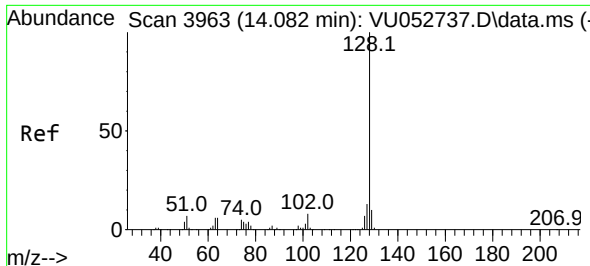
Ion Ratio Lower Upper

180 100

182 77.9 47.4 142.3

145 13.5 14.9 44.5#

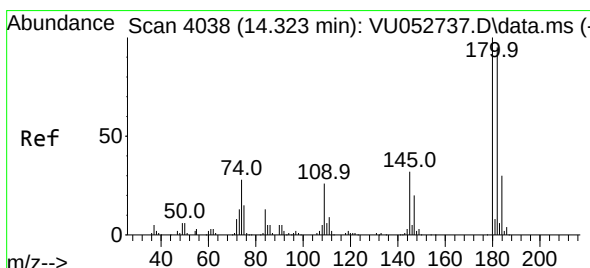
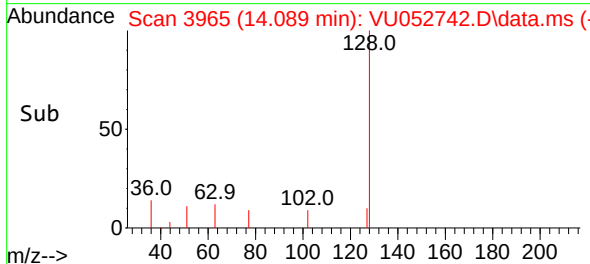
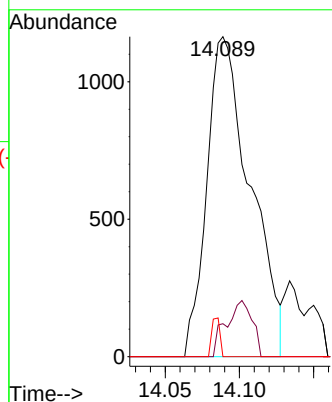
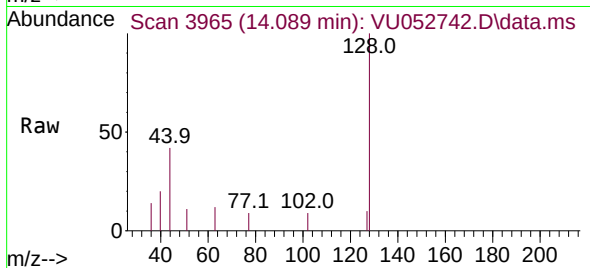




#95
Naphthalene
Concen: 2.765 ug/l
RT: 14.089 min Scan# 3963
Delta R.T. 0.007 min
Lab File: VU052742.D
Acq: 19 Jan 2023 17:57

Instrument :
MSVOA_U
ClientSampleId :
VU0119WBL05

Tgt Ion:128 Resp: 2368
Ion Ratio Lower Upper
128 100
127 10.5 10.3 15.5
129 2.3 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.387 ug/l
RT: 14.327 min Scan# 4039
Delta R.T. 0.003 min
Lab File: VU052742.D
Acq: 19 Jan 2023 17:57

Tgt Ion:180 Resp: 987
Ion Ratio Lower Upper
180 100
182 82.3 48.1 144.3
145 13.1 15.8 47.4#

