

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052623\
 Data File : VU054275.D
 Acq On : 26 May 2023 11:01
 Operator : JC/MD
 Sample : VU0526WBL01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0526WBL01

Quant Time: May 29 23:58:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052523W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 26 06:40:51 2023
 Response via : Initial Calibration

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

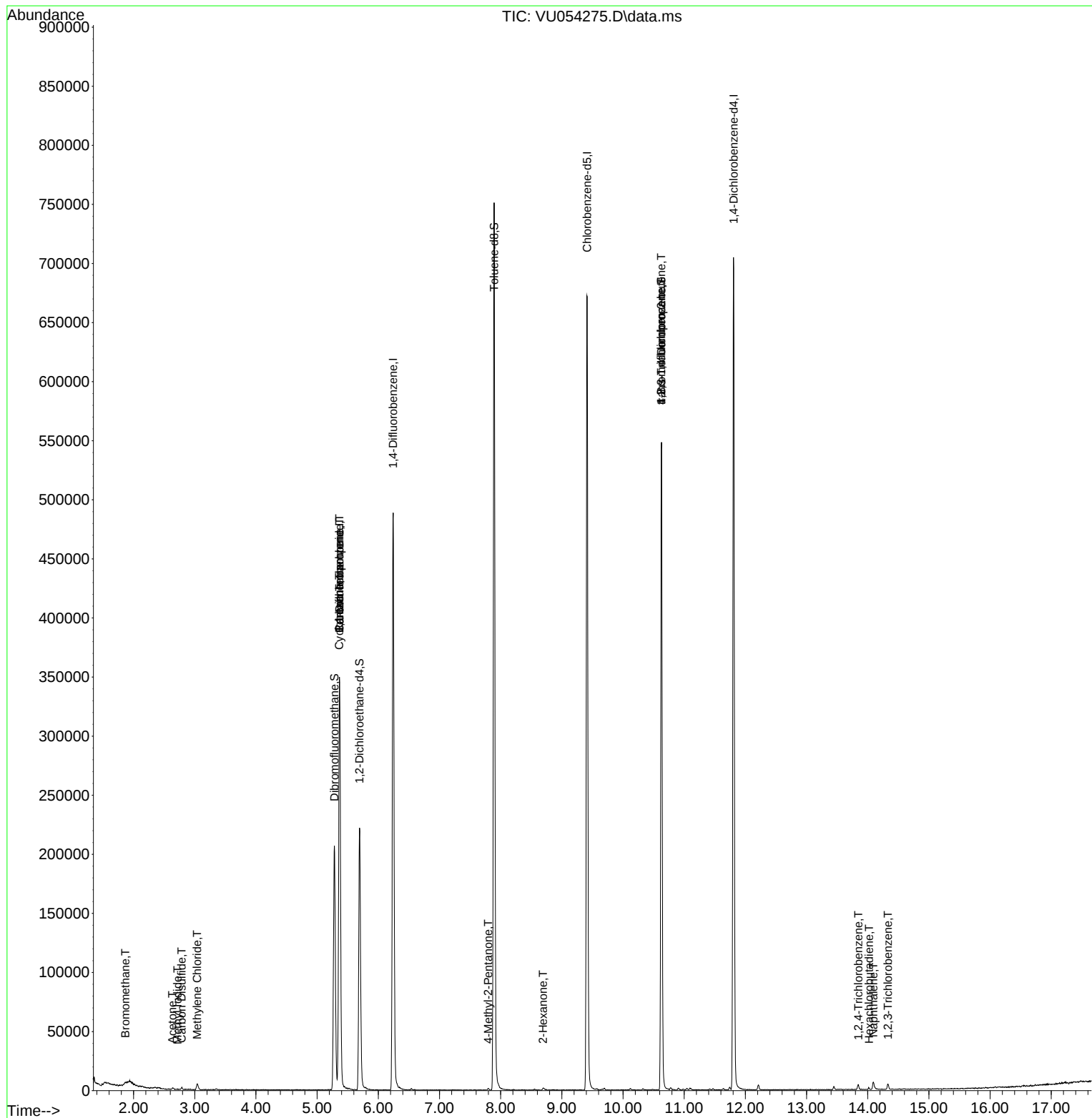
Internal Standards						
1) Pentafluorobenzene	5.366	168	253950	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	404831	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	390813	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.809	152	198494	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.694	65	168776	50.698	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.400%			
35) Dibromofluoromethane	5.282	113	136062	52.191	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.380%			
50) Toluene-d8	7.893	98	507559	51.184	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.360%			
62) 4-Bromofluorobenzene	10.626	95	182411	47.441	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.880%			
Target Compounds					Qvalue	
5) Bromomethane	1.864	94	618	0.315	ug/l #	70
10) Methyl Iodide	2.716	142	153	2.378	ug/l #	43
16) Acetone	2.636	43	623	0.326	ug/l	96
17) Carbon Disulfide	2.787	76	1794	0.222	ug/l #	85
20) Methylene Chloride	3.038	84	2696	0.783	ug/l	91
31) Cyclohexane	5.362	56	4687	0.997	ug/l #	1
36) 1,1-Dichloropropene	5.366	75	19464	4.753	ug/l #	48
38) Carbon Tetrachloride	5.366	117	25062	5.980	ug/l #	16
51) 4-Methyl-2-Pentanone	7.796	43	1007	0.219	ug/l	92
59) 2-Hexanone	8.694	43	1710	0.471	ug/l	89
76) 1,2,3-Trichloropropane	10.626	75	93095	16.070	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.626	75	93095	61.192	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.844	180	1998	2.067	ug/l	95
94) Hexachlorobutadiene	14.021	225	412	1.012	ug/l	80
95) Naphthalene	14.092	128	7533	2.484	ug/l	98
96) 1,2,3-Trichlorobenzene	14.330	180	2071	1.701	ug/l	93

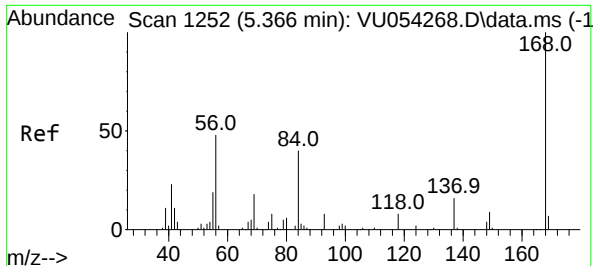
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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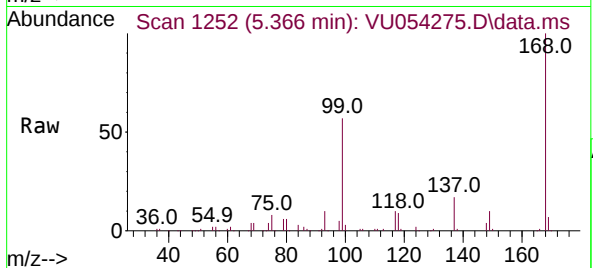
Quant Time: May 29 23:58:05 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052523W.M
Quant Title : SW846 8260
QLast Update : Fri May 26 06:40:51 2023
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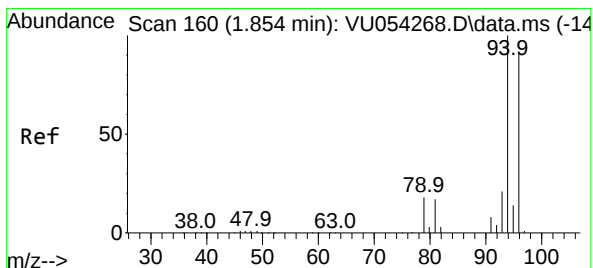
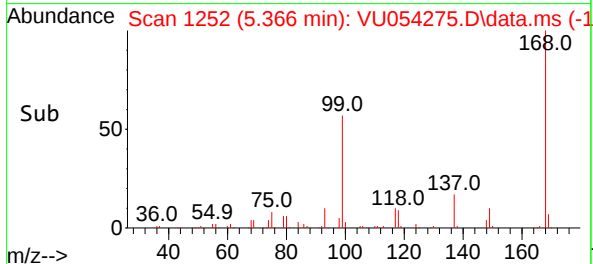
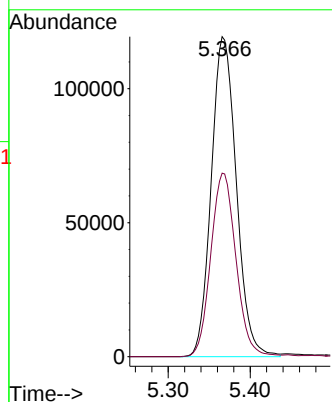


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.366 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU054275.D
Acq: 26 May 2023 11:01

Instrument :
MSVOA_U
ClientSampleId :
VU0526WBL01

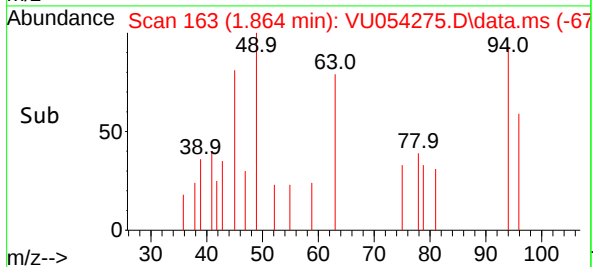
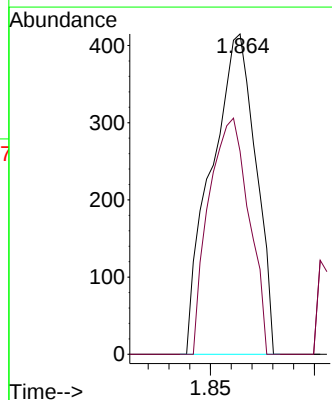
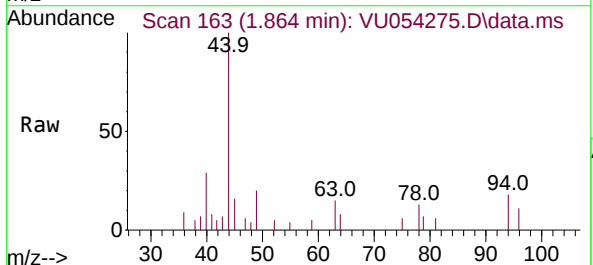


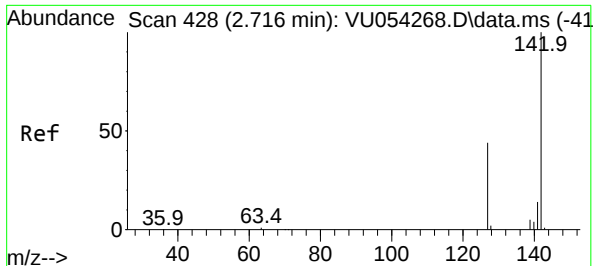
Tgt Ion:168 Resp: 253950
Ion Ratio Lower Upper
168 100
99 57.4 39.3 58.9



#5
Bromomethane
Concen: 0.315 ug/l
RT: 1.864 min Scan# 163
Delta R.T. 0.010 min
Lab File: VU054275.D
Acq: 26 May 2023 11:01

Tgt Ion: 94 Resp: 618
Ion Ratio Lower Upper
94 100
96 63.4 73.7 110.5#

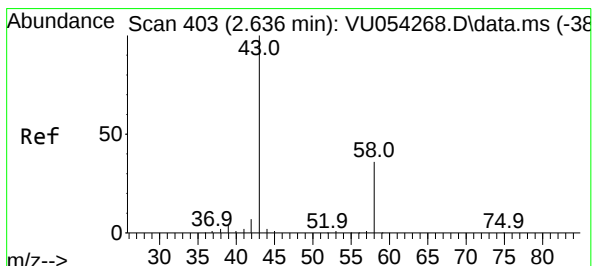
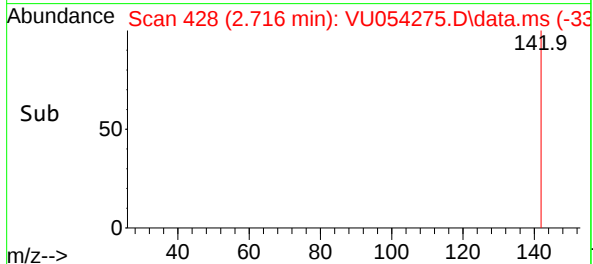
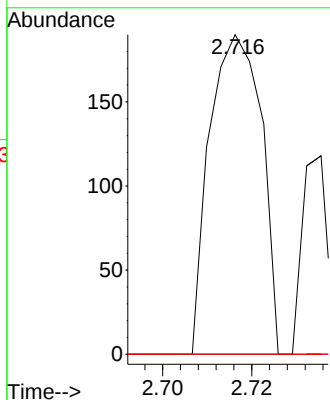
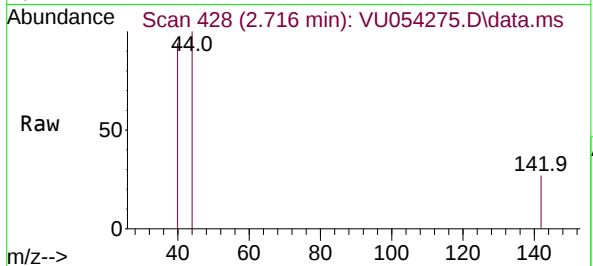




#10
Methyl Iodide
Concen: 2.378 ug/l
RT: 2.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VU054275.D
Acq: 26 May 2023 11:01

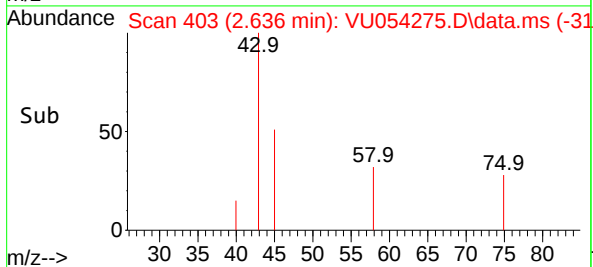
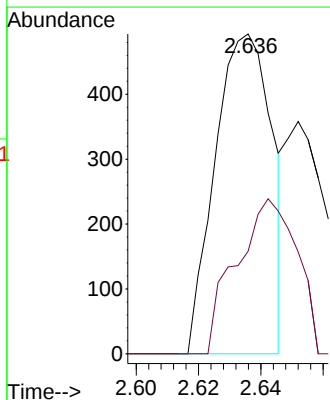
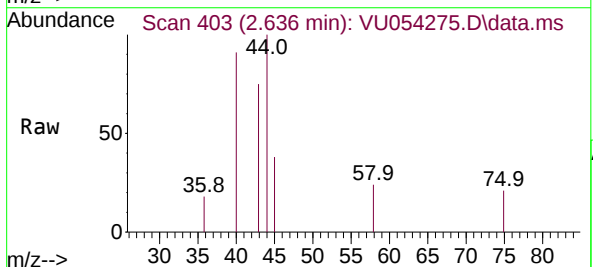
Instrument :
MSVOA_U
ClientSampleId :
VU0526WBL01

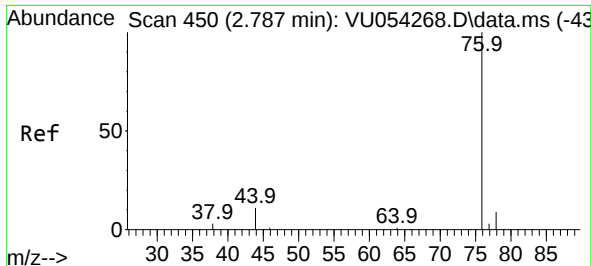
Tgt Ion:142 Resp: 153
Ion Ratio Lower Upper
142 100
127 0.0 32.5 48.7#
141 0.0 11.4 17.0#



#16
Acetone
Concen: 0.326 ug/l
RT: 2.636 min Scan# 403
Delta R.T. -0.000 min
Lab File: VU054275.D
Acq: 26 May 2023 11:01

Tgt Ion: 43 Resp: 623
Ion Ratio Lower Upper
43 100
58 32.0 27.5 41.3

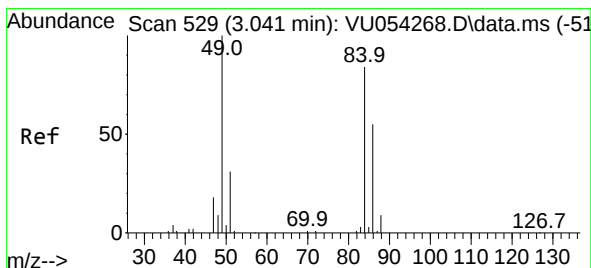
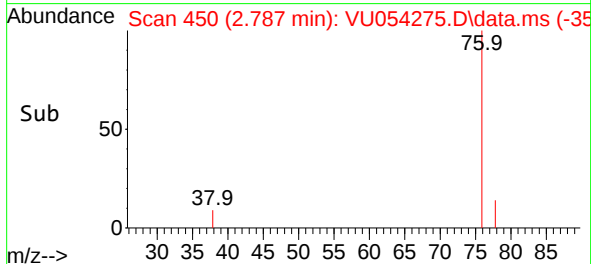
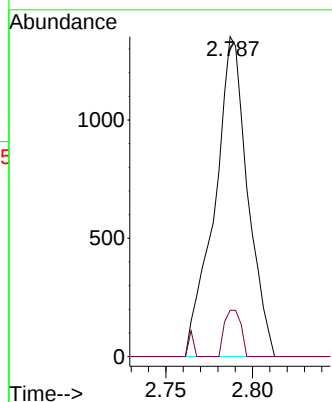
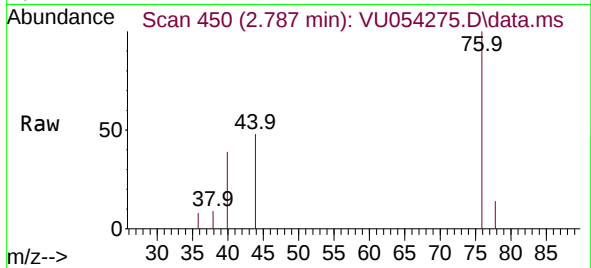




#17
Carbon Disulfide
Concen: 0.222 ug/l
RT: 2.787 min Scan# 41
Delta R.T. 0.000 min
Lab File: VU054275.D
Acq: 26 May 2023 11:01

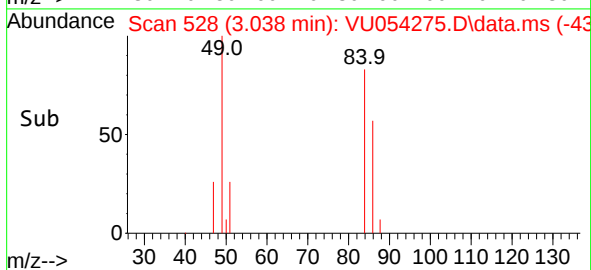
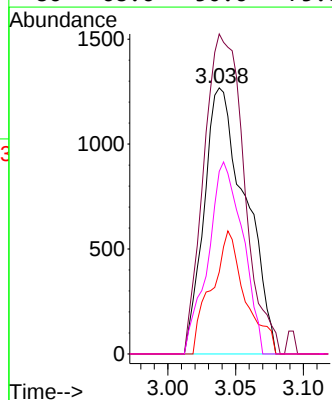
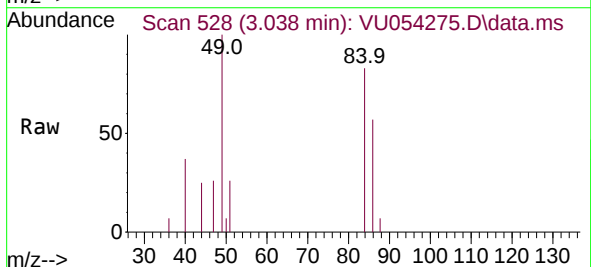
Instrument :
MSVOA_U
ClientSampleId :
VU0526WBL01

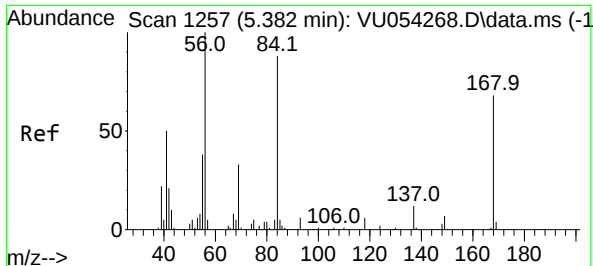
Tgt Ion: 76 Resp: 1794
Ion Ratio Lower Upper
76 100
78 14.5 7.3 10.9#



#20
Methylene Chloride
Concen: 0.783 ug/l
RT: 3.038 min Scan# 528
Delta R.T. -0.003 min
Lab File: VU054275.D
Acq: 26 May 2023 11:01

Tgt Ion: 84 Resp: 2696
Ion Ratio Lower Upper
84 100
49 120.3 86.6 129.8
51 30.8 26.6 40.0
86 68.6 50.6 75.8





#31

Cyclohexane

Concen: 0.997 ug/l

RT: 5.362 min Scan# 1

Delta R.T. -0.020 min

Lab File: VU054275.D

Acq: 26 May 2023 11:01

Instrument :

MSVOA_U

ClientSampleId :

VU0526WBL01

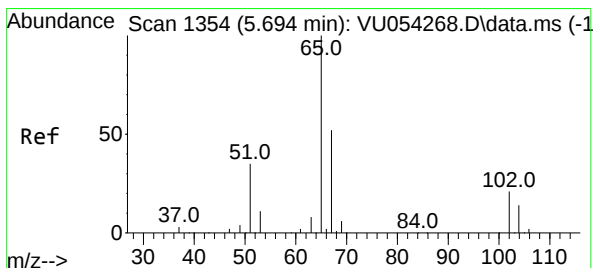
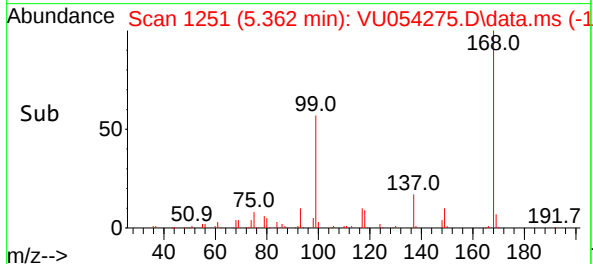
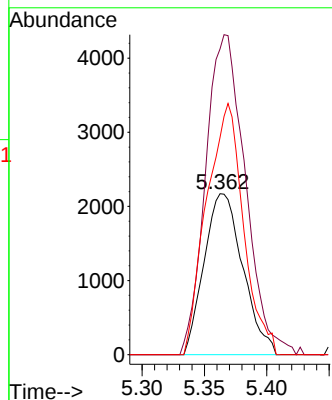
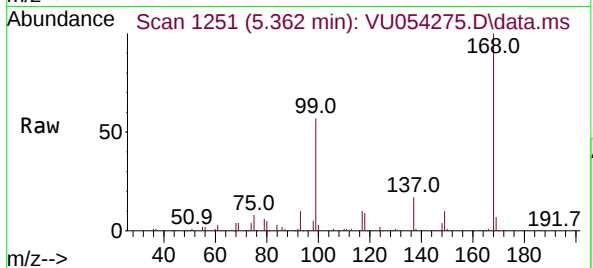
Tgt Ion: 56 Resp: 4687

Ion Ratio Lower Upper

56 100

69 190.0 27.8 41.8#

84 135.0 74.2 111.4#



#33

1,2-Dichloroethane-d4

Concen: 50.698 ug/l

RT: 5.694 min Scan# 1354

Delta R.T. -0.000 min

Lab File: VU054275.D

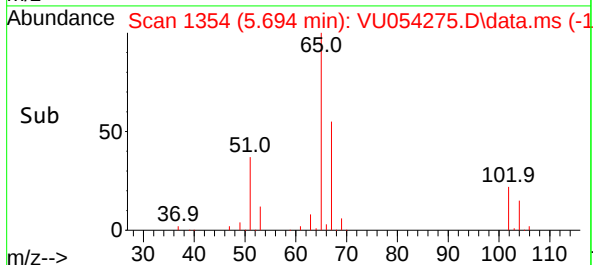
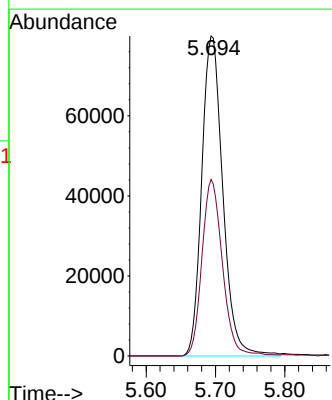
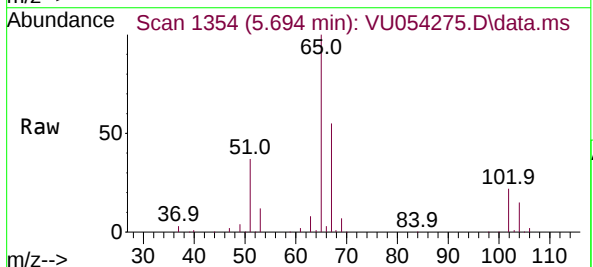
Acq: 26 May 2023 11:01

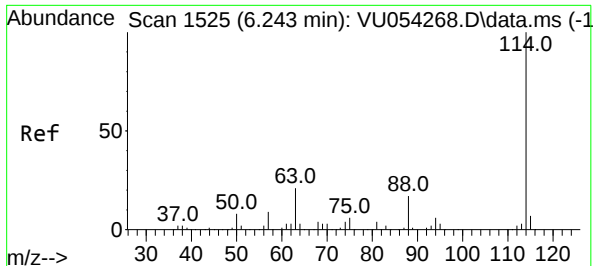
Tgt Ion: 65 Resp: 168776

Ion Ratio Lower Upper

65 100

67 53.6 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.243 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU054275.D

Acq: 26 May 2023 11:01

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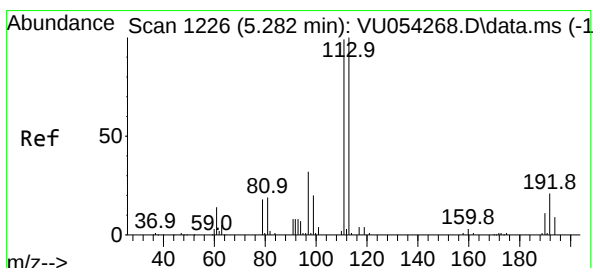
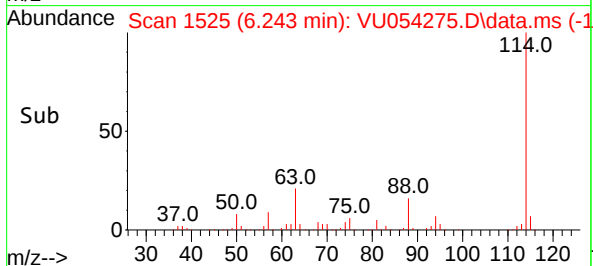
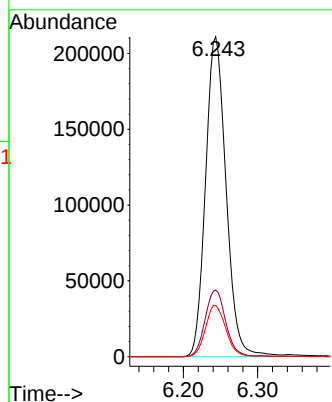
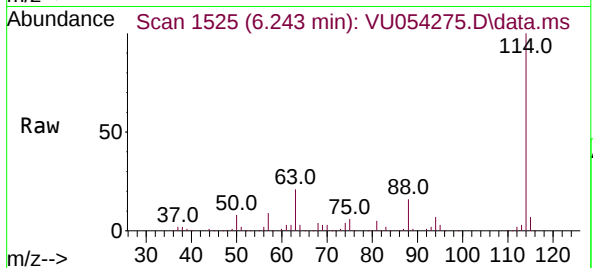
Tgt Ion:114 Resp: 404831

Ion Ratio Lower Upper

114 100

63 20.8 0.0 37.8

88 16.1 0.0 29.2



#35

Dibromofluoromethane

Concen: 52.191 ug/l

RT: 5.282 min Scan# 1226

Delta R.T. 0.000 min

Lab File: VU054275.D

Acq: 26 May 2023 11:01

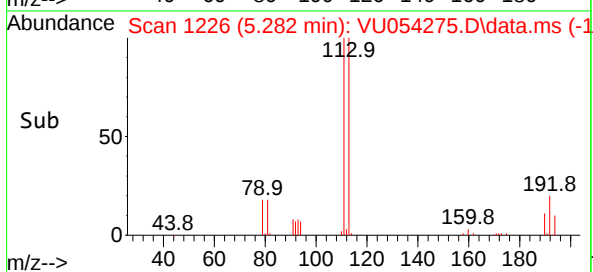
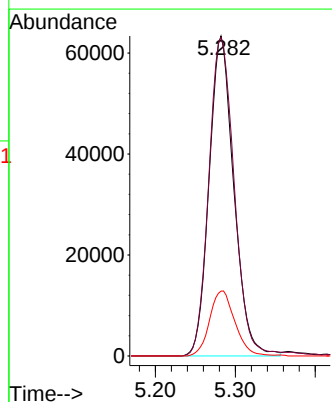
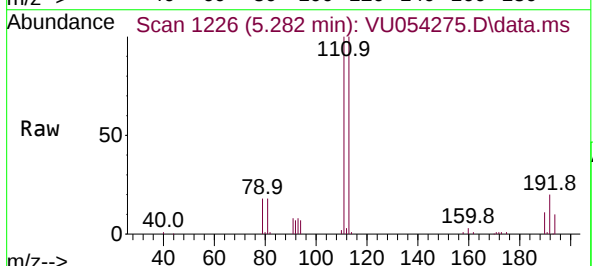
Tgt Ion:113 Resp: 136062

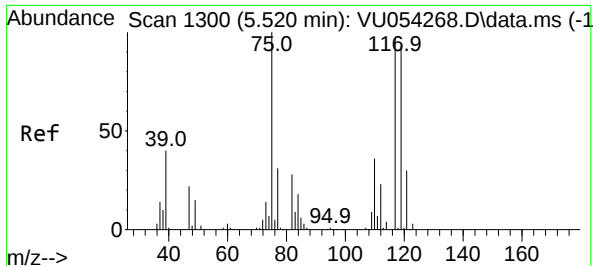
Ion Ratio Lower Upper

113 100

111 103.2 82.1 123.1

192 20.8 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.753 ug/l

RT: 5.366 min Scan# 11

Delta R.T. -0.154 min

Lab File: VU054275.D

Acq: 26 May 2023 11:01

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VU0526WBL01

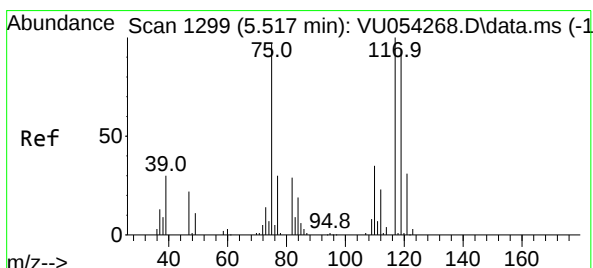
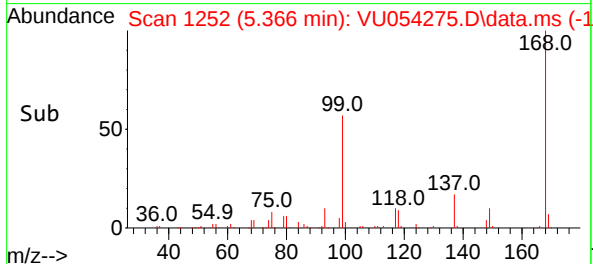
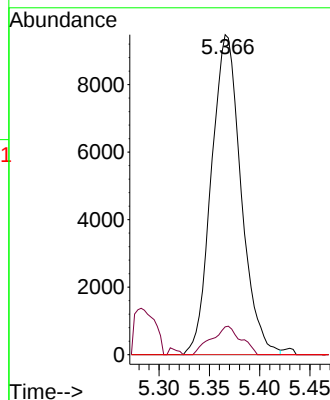
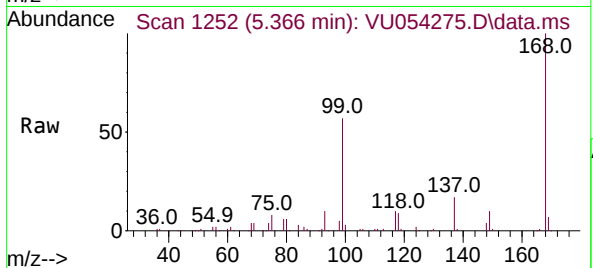
Tgt Ion: 75 Resp: 19464

Ion Ratio Lower Upper

75 100

110 8.8 18.4 55.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.980 ug/l

RT: 5.366 min Scan# 1252

Delta R.T. -0.151 min

Lab File: VU054275.D

Acq: 26 May 2023 11:01

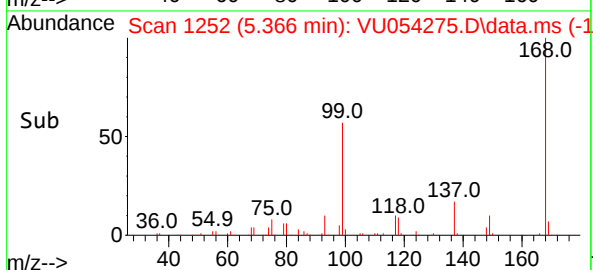
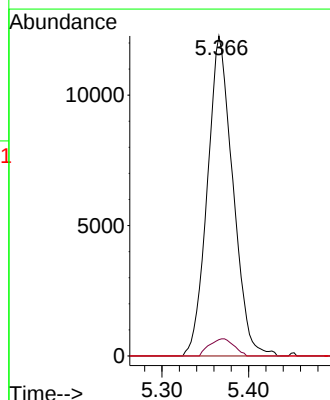
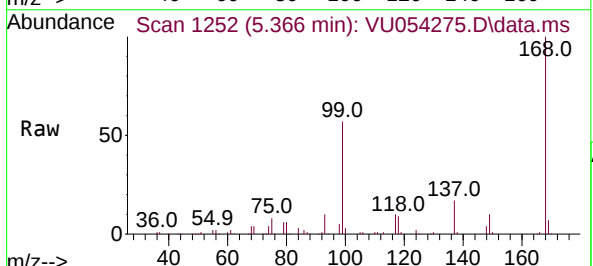
Tgt Ion: 117 Resp: 25062

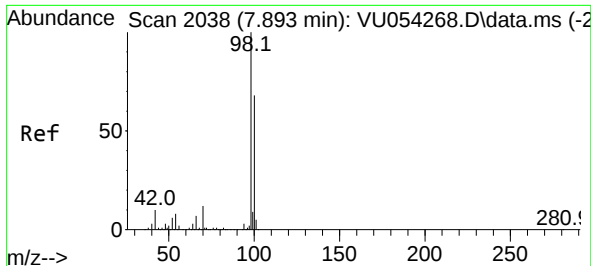
Ion Ratio Lower Upper

117 100

119 5.1 76.8 115.2#

121 0.0 24.7 37.1#

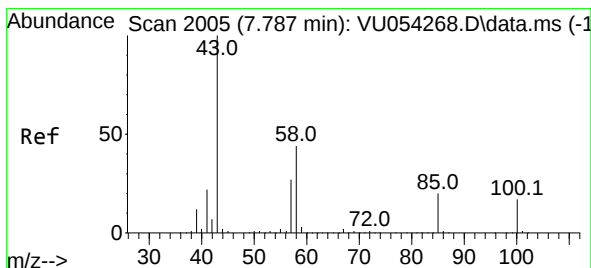
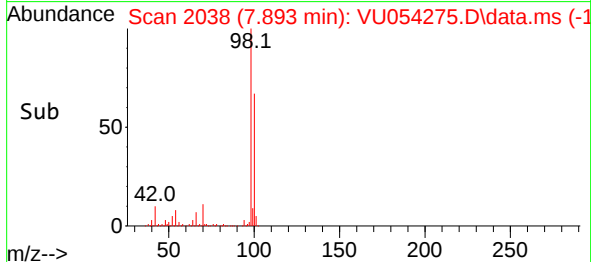
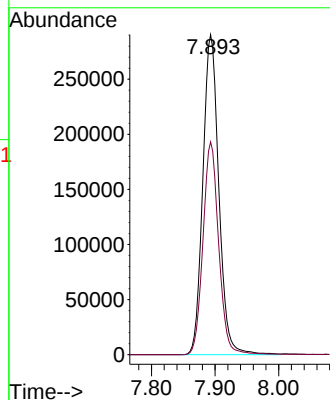
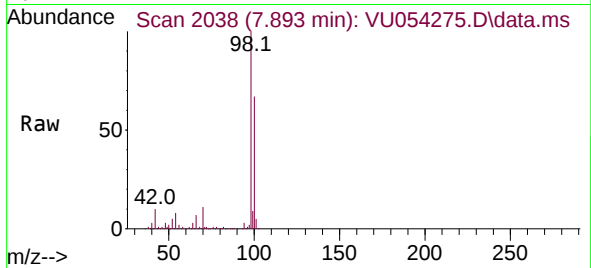




#50
Toluene-d8
Concen: 51.184 ug/l
RT: 7.893 min Scan# 2038
Delta R.T. -0.000 min
Lab File: VU054275.D
Acq: 26 May 2023 11:01

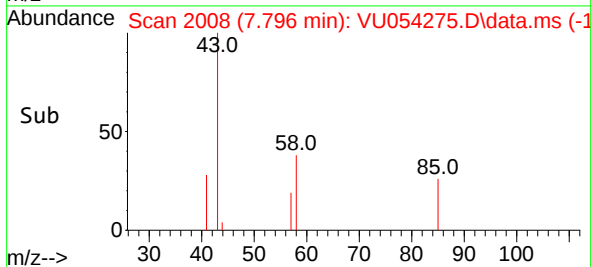
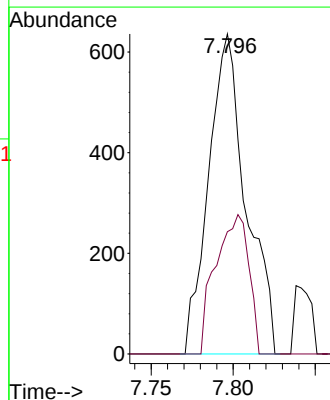
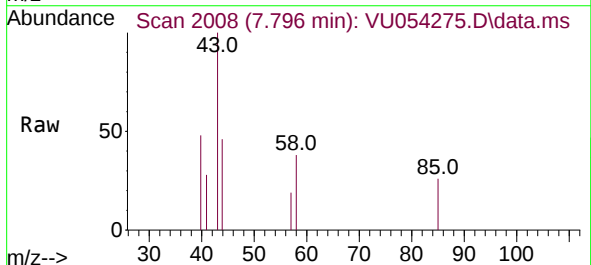
Instrument :
MSVOA_U
ClientSampleId :
VU0526WBL01

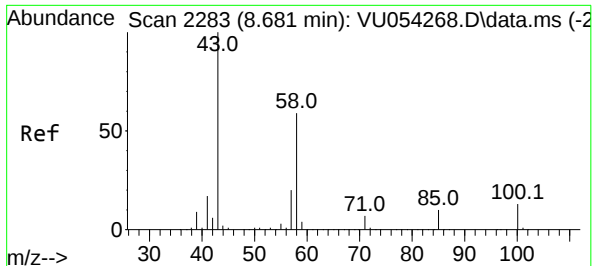
Tgt Ion: 98 Resp: 507559
Ion Ratio Lower Upper
98 100
100 65.5 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.219 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. 0.009 min
Lab File: VU054275.D
Acq: 26 May 2023 11:01

Tgt Ion: 43 Resp: 1007
Ion Ratio Lower Upper
43 100
58 38.5 34.7 52.1





#59

2-Hexanone

Concen: 0.471 ug/l

RT: 8.694 min Scan# 21

Delta R.T. 0.013 min

Lab File: VU054275.D

Acq: 26 May 2023 11:01

Instrument :

MSVOA_U

ClientSampleId :

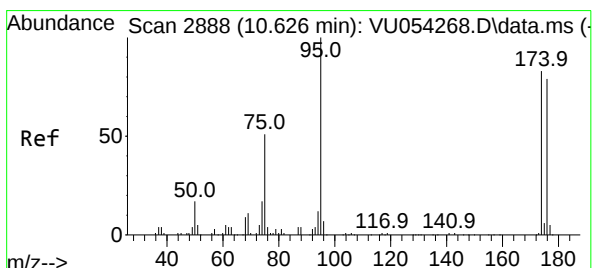
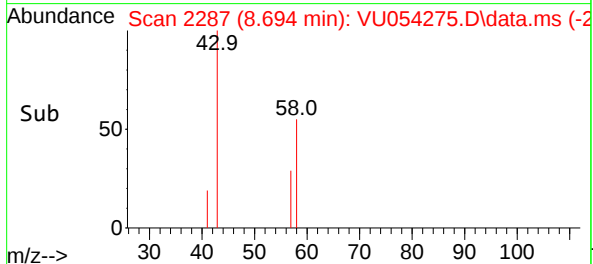
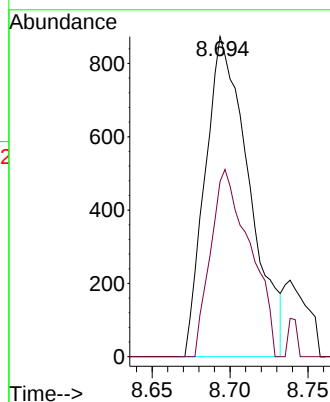
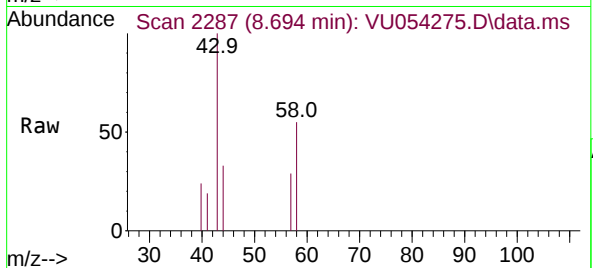
VU0526WBL01

Tgt Ion: 43 Resp: 1710

Ion Ratio Lower Upper

43 100

58 52.4 30.3 90.8



#62

4-Bromofluorobenzene

Concen: 47.441 ug/l

RT: 10.626 min Scan# 2888

Delta R.T. -0.000 min

Lab File: VU054275.D

Acq: 26 May 2023 11:01

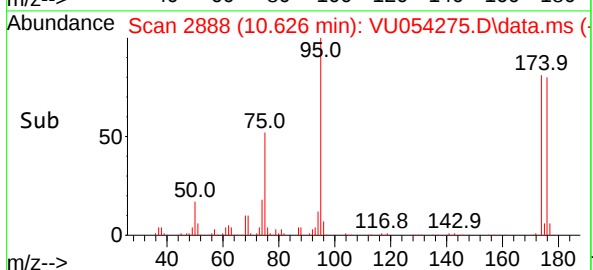
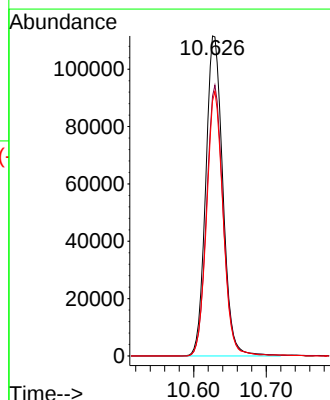
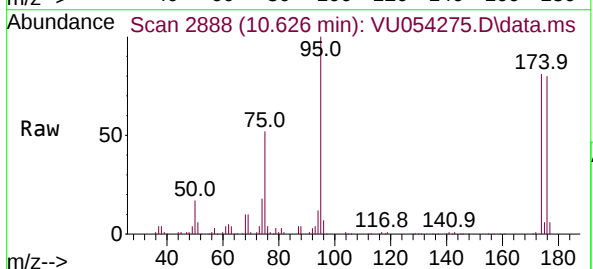
Tgt Ion: 95 Resp: 182411

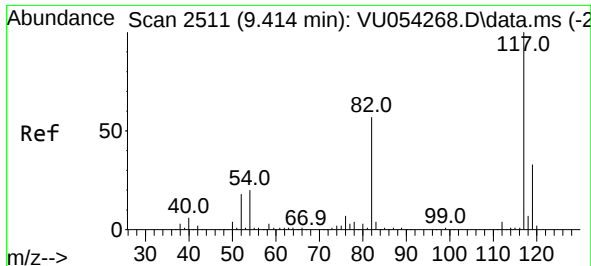
Ion Ratio Lower Upper

95 100

174 82.7 0.0 182.0

176 79.7 0.0 177.8

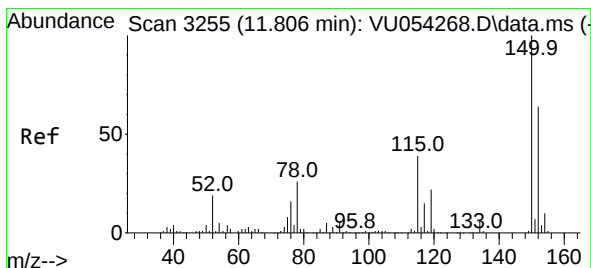
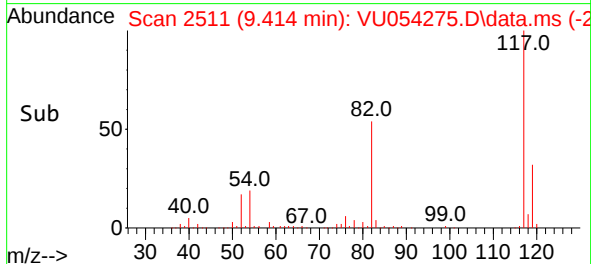
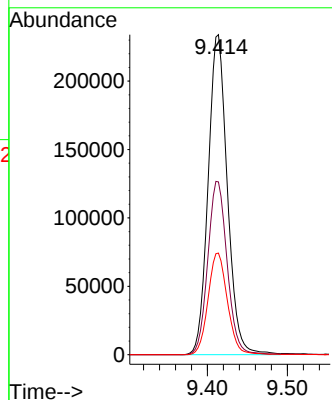
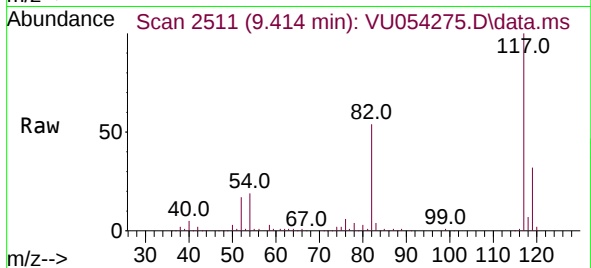




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.414 min Scan# 2511
Delta R.T. -0.000 min
Lab File: VU054275.D
Acq: 26 May 2023 11:01

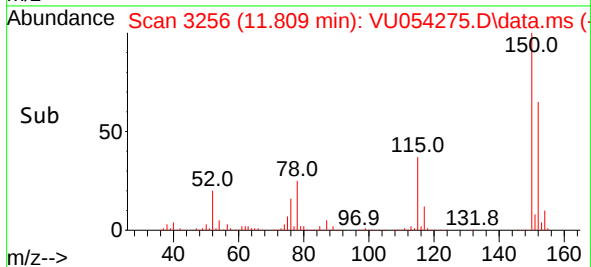
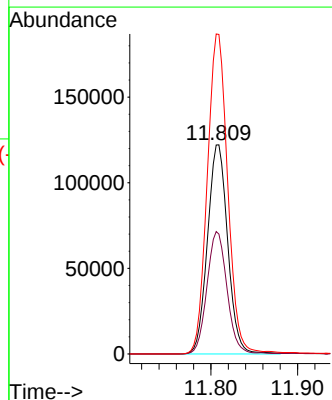
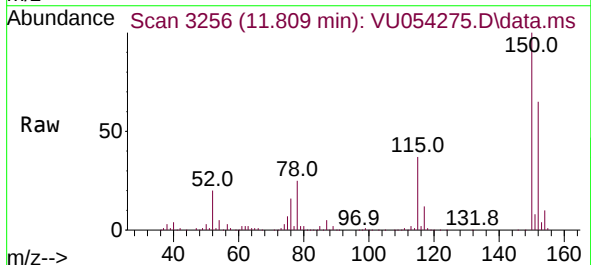
Instrument :
MSVOA_U
ClientSampleId :
VU0526WBL01

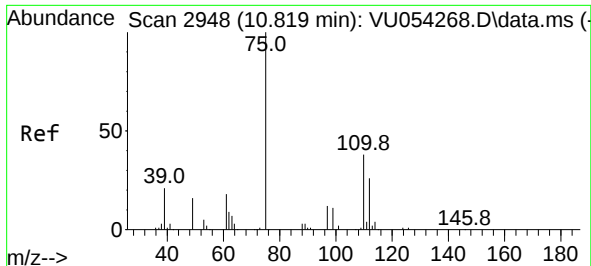
Tgt Ion:117 Resp: 390813
Ion Ratio Lower Upper
117 100
82 54.0 41.7 62.5
119 31.7 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.809 min Scan# 3256
Delta R.T. 0.003 min
Lab File: VU054275.D
Acq: 26 May 2023 11:01

Tgt Ion:152 Resp: 198494
Ion Ratio Lower Upper
152 100
115 57.9 37.0 110.9
150 155.3 0.0 342.2

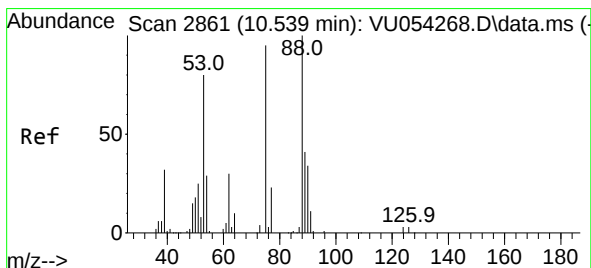
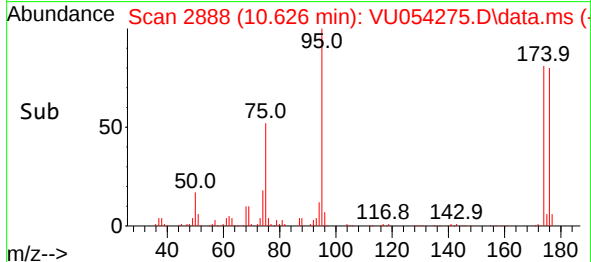
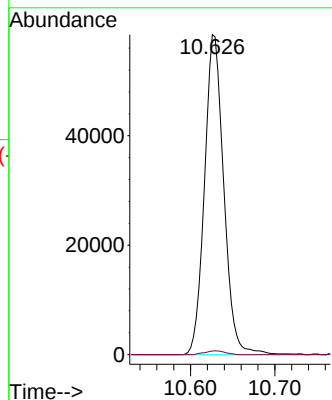
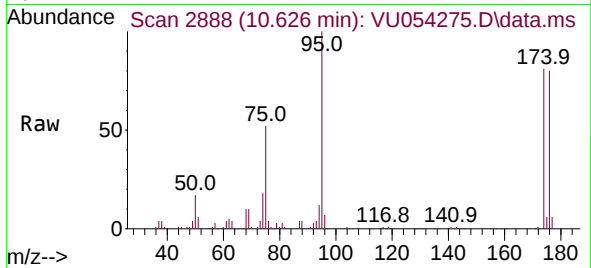




#76
1,2,3-Trichloropropane
Concen: 16.070 ug/l
RT: 10.626 min Scan# 2888
Delta R.T. -0.193 min
Lab File: VU054275.D
Acq: 26 May 2023 11:01

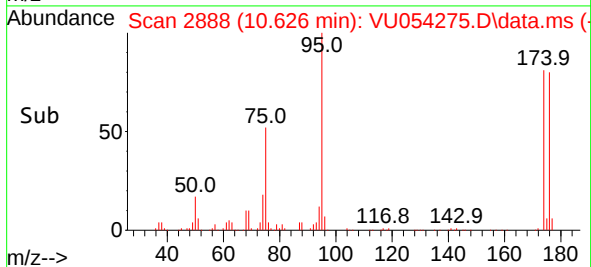
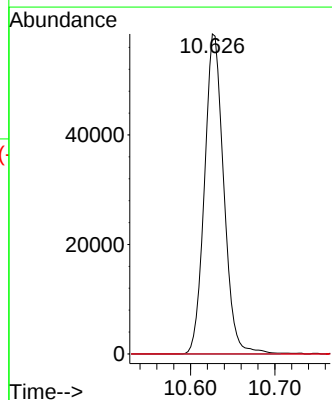
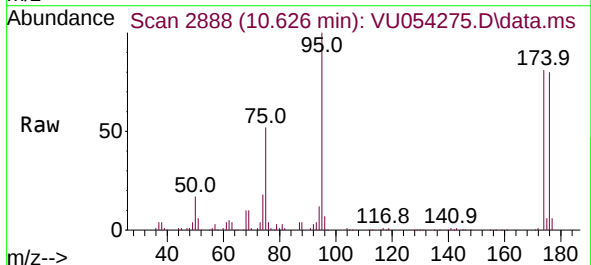
Instrument :
MSVOA_U
ClientSampleId :
VU0526WBL01

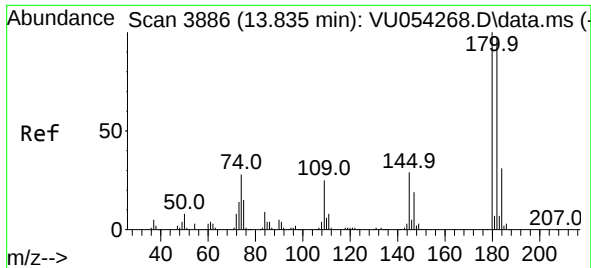
Tgt Ion: 75 Resp: 93095
Ion Ratio Lower Upper
75 100
77 1.3 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.192 ug/l
RT: 10.626 min Scan# 2888
Delta R.T. 0.087 min
Lab File: VU054275.D
Acq: 26 May 2023 11:01

Tgt Ion: 75 Resp: 93095
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#

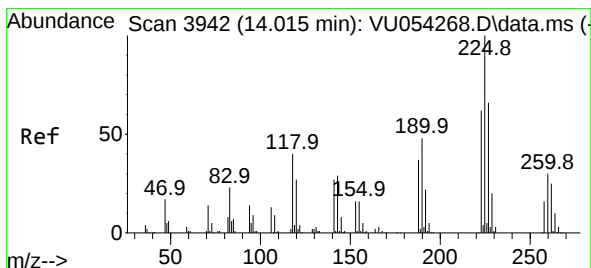
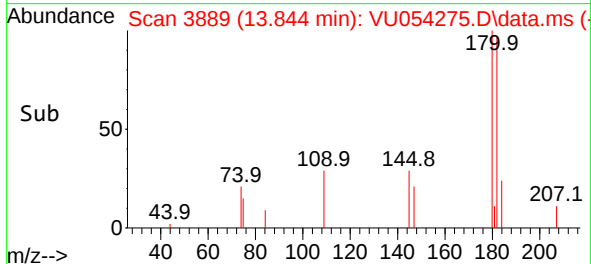
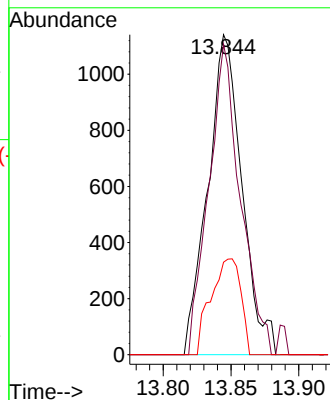
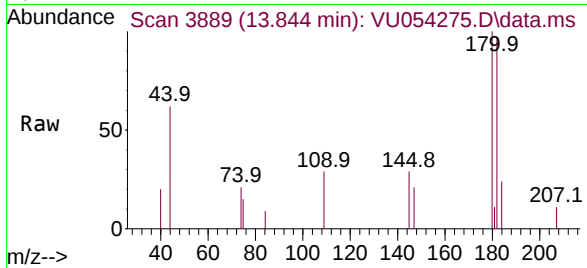




#93
1,2,4-Trichlorobenzene
Concen: 2.067 ug/l
RT: 13.844 min Scan# 3889
Delta R.T. 0.009 min
Lab File: VU054275.D
Acq: 26 May 2023 11:01

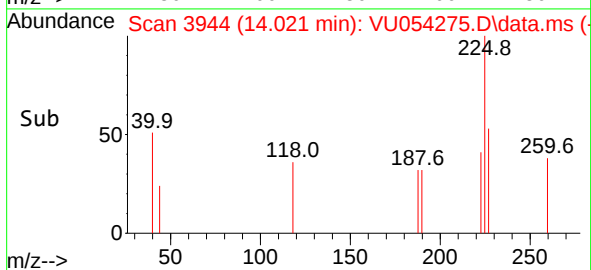
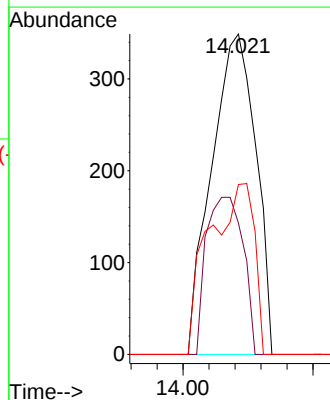
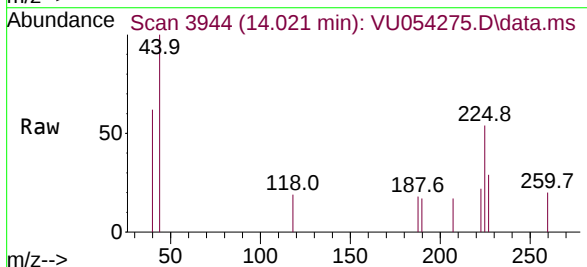
Instrument :
MSVOA_U
ClientSampleId :
VU0526WBL01

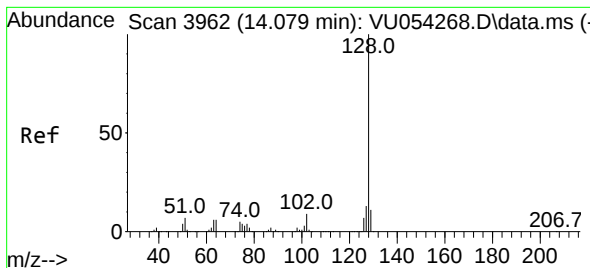
Tgt Ion:180 Resp: 1998
Ion Ratio Lower Upper
180 100
182 89.8 47.9 143.6
145 26.1 14.0 41.9



#94
Hexachlorobutadiene
Concen: 1.012 ug/l
RT: 14.021 min Scan# 3944
Delta R.T. 0.006 min
Lab File: VU054275.D
Acq: 26 May 2023 11:01

Tgt Ion:225 Resp: 412
Ion Ratio Lower Upper
225 100
223 40.8 31.3 93.9
227 54.4 32.0 96.2





#95

Naphthalene

Concen: 2.484 ug/l

RT: 14.092 min Scan# 3966

Delta R.T. 0.013 min

Lab File: VU054275.D

Acq: 26 May 2023 11:01

Instrument :

MSVOA_U

ClientSampleId :

VU0526WBL01

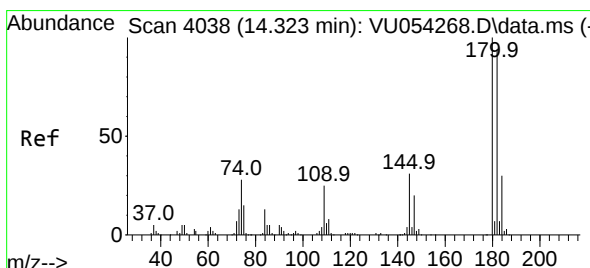
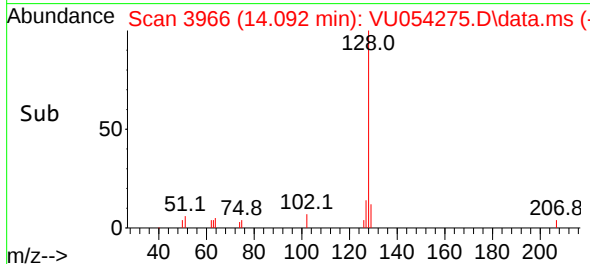
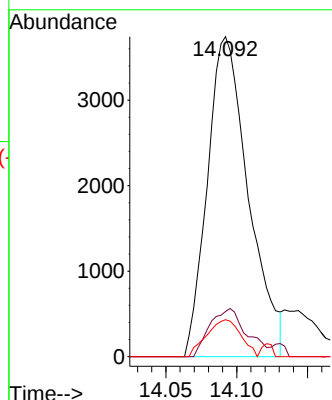
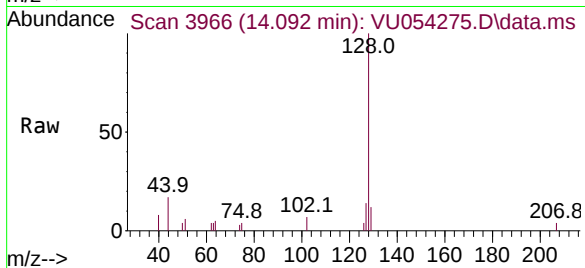
Tgt Ion:128 Resp: 7533

Ion Ratio Lower Upper

128 100

127 13.4 10.3 15.5

129 9.6 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 1.701 ug/l

RT: 14.330 min Scan# 4040

Delta R.T. 0.007 min

Lab File: VU054275.D

Acq: 26 May 2023 11:01

Tgt Ion:180 Resp: 2071

Ion Ratio Lower Upper

180 100

182 89.1 48.4 145.0

145 26.4 14.8 44.4

