

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052623\
 Data File : VU054282.D
 Acq On : 26 May 2023 13:51
 Operator : JC/MD
 Sample : 02936-08 100X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 56BR-20230524

Quant Time: May 30 00:01:12 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)

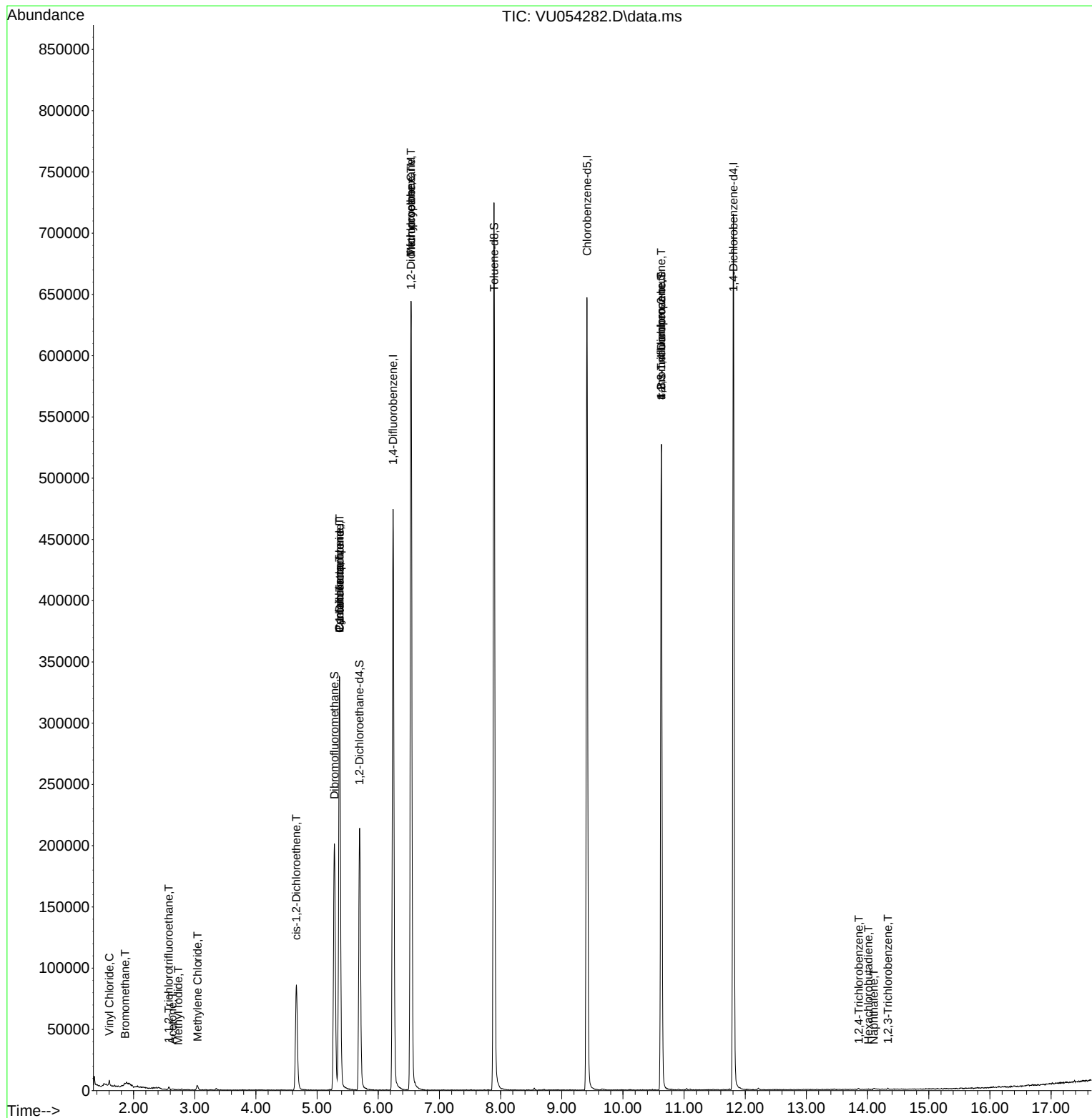
Internal Standards						
1) Pentafluorobenzene	5.369	168	246295	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	399339	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	377766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	195611	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.694	65	160658	49.760	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.520%
35) Dibromofluoromethane	5.282	113	131495	51.132	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.260%
50) Toluene-d8	7.893	98	486754	49.761	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.520%
62) 4-Bromofluorobenzene	10.629	95	175719	46.330	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.660%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.604	62	2695	0.785	ug/l #	76
5) Bromomethane	1.861	94	396	0.208	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.575	101	722	0.282	ug/l	95
10) Methyl Iodide	2.732	142	163	2.382	ug/l #	43
16) Acetone	2.633	43	942	0.509	ug/l	89
20) Methylene Chloride	3.044	84	1980	0.593	ug/l	91
27) cis-1,2-Dichloroethene	4.661	96	46774	14.824	ug/l	95
31) Cyclohexane	5.366	56	4801	1.053	ug/l #	3
36) 1,1-Dichloropropene	5.366	75	19168	4.745	ug/l #	47
38) Carbon Tetrachloride	5.369	117	24317	5.882	ug/l #	15
39) Methylcyclohexane	6.536	83	2593	0.567	ug/l #	1
44) Trichloroethene	6.536	130	227909	70.765	ug/l	93
45) 1,2-Dichloropropane	6.533	63	827	0.275	ug/l #	1
76) 1,2,3-Trichloropropane	10.629	75	90193	15.798	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.629	75	90193	60.158	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.857	180	636	1.780	ug/l #	68
94) Hexachlorobutadiene	14.012	225	42	0.840	ug/l #	1
95) Naphthalene	14.102	128	1612	2.098	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.333	180	455	1.354	ug/l	93

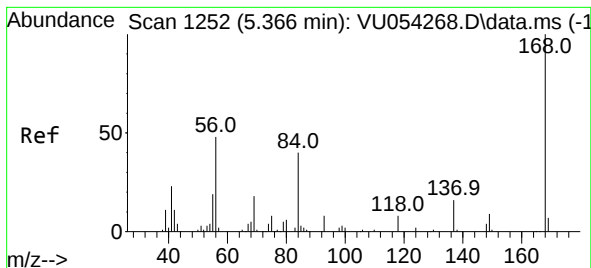
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052623\
Data File : VU054282.D
Acq On : 26 May 2023 13:51
Operator : JC/MD
Sample : 02936-08 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
56BR-20230524

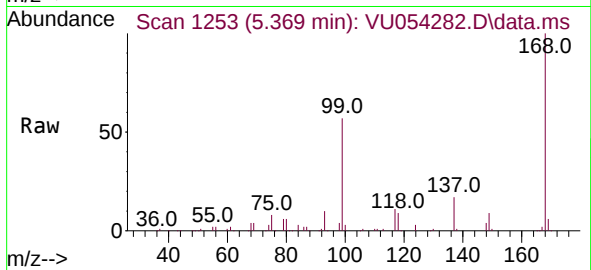
Quant Time: May 30 00:01:12 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052523W.M
Quant Title : SW846 8260
QLast Update : Fri May 26 06:40:51 2023
Response via : Initial Calibration



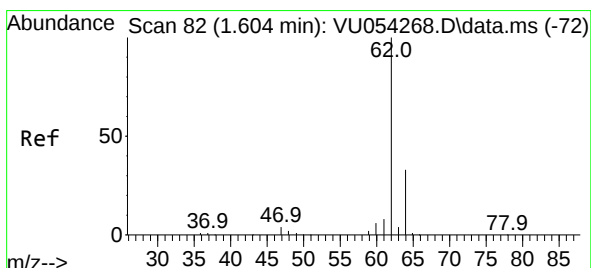
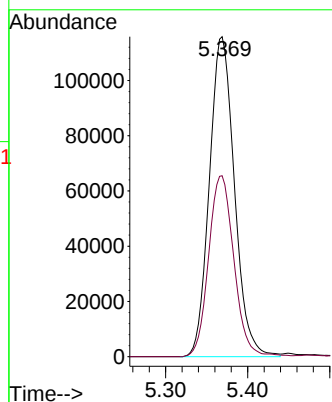
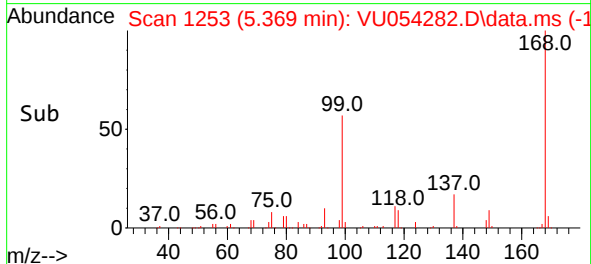


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054282.D
Acq: 26 May 2023 13:51

Instrument :
MSVOA_U
ClientSampleId :
56BR-20230524

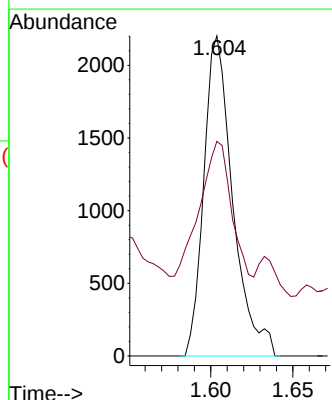
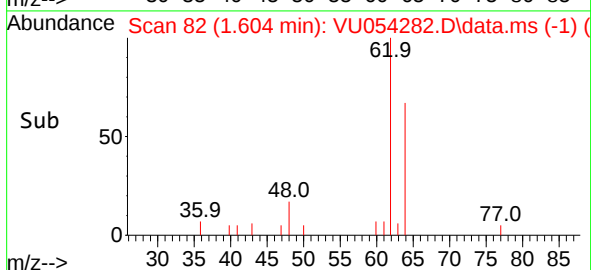
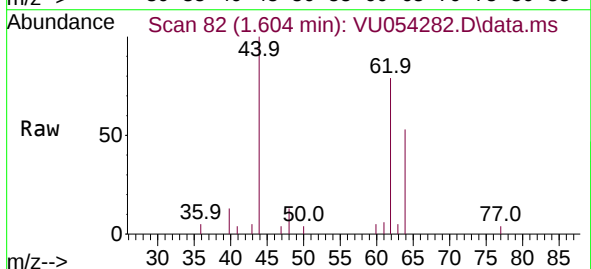


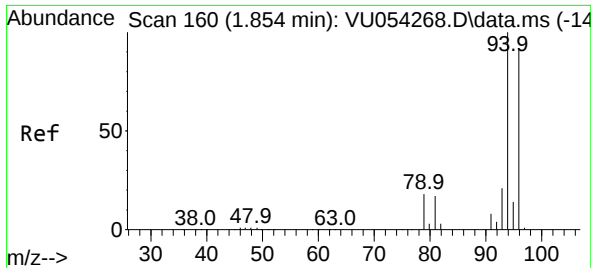
Tgt Ion:168 Resp: 246295
Ion Ratio Lower Upper
168 100
99 56.6 39.3 58.9



#4
Vinyl Chloride
Concen: 0.785 ug/l
RT: 1.604 min Scan# 82
Delta R.T. -0.000 min
Lab File: VU054282.D
Acq: 26 May 2023 13:51

Tgt Ion: 62 Resp: 2695
Ion Ratio Lower Upper
62 100
64 44.7 25.3 37.9#

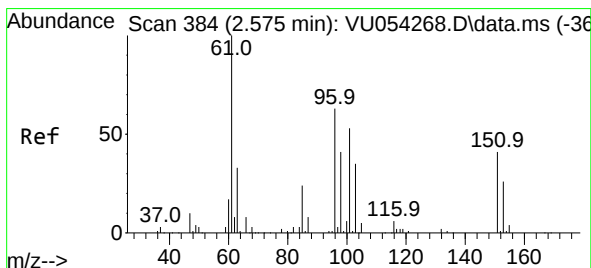
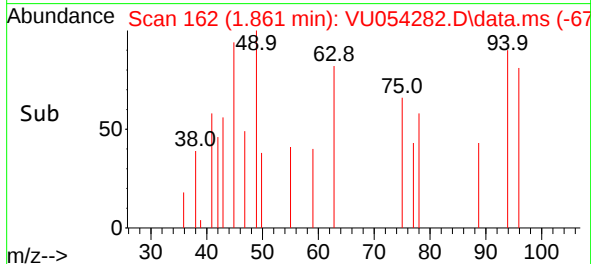
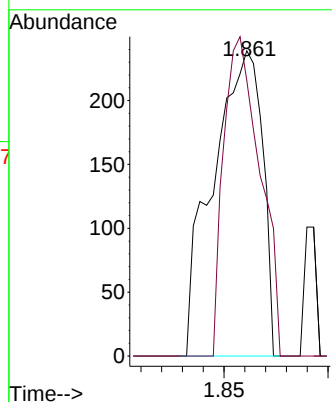
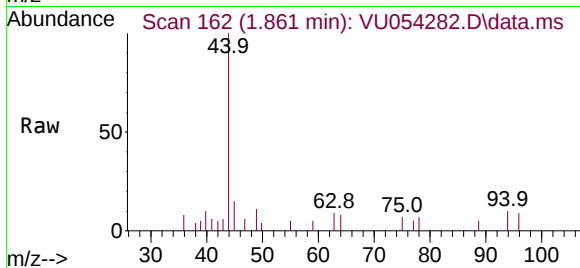




#5
Bromomethane
Concen: 0.208 ug/l
RT: 1.861 min Scan# 1
Delta R.T. 0.007 min
Lab File: VU054282.D
Acq: 26 May 2023 13:51

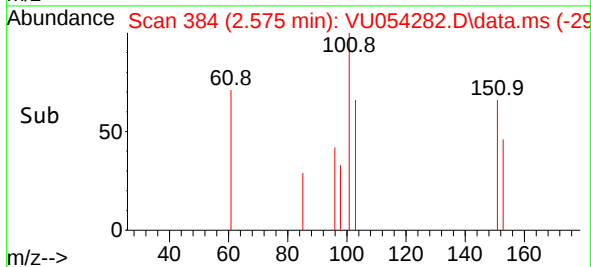
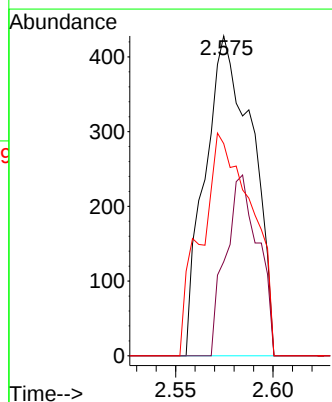
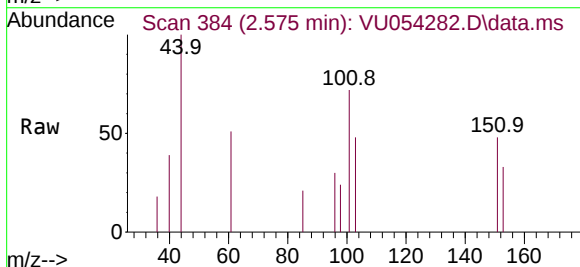
Instrument :
MSVOA_U
ClientSampleId :
56BR-20230524

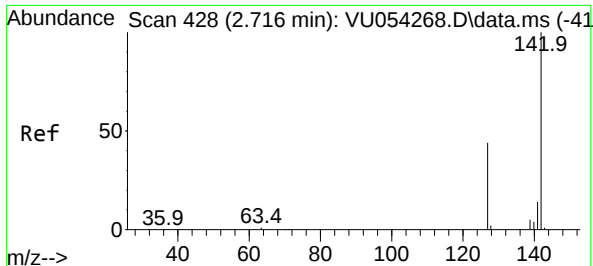
Tgt Ion: 94 Resp: 396
Ion Ratio Lower Upper
94 100
96 90.4 73.7 110.5



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.282 ug/l
RT: 2.575 min Scan# 384
Delta R.T. -0.000 min
Lab File: VU054282.D
Acq: 26 May 2023 13:51

Tgt Ion: 101 Resp: 722
Ion Ratio Lower Upper
101 100
85 38.9 33.9 50.9
151 75.2 64.0 96.0

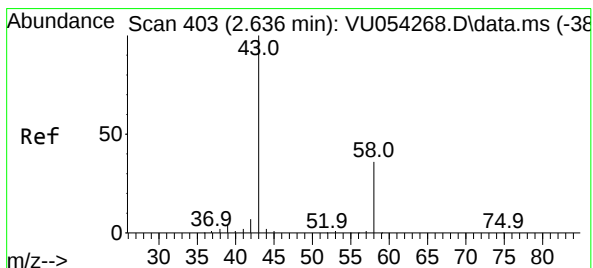
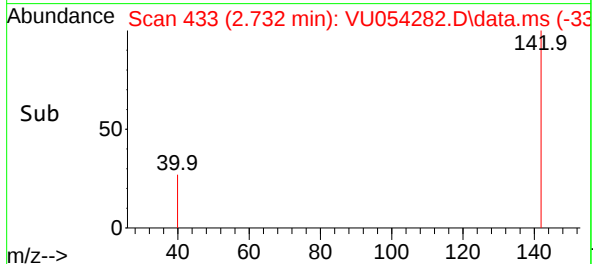
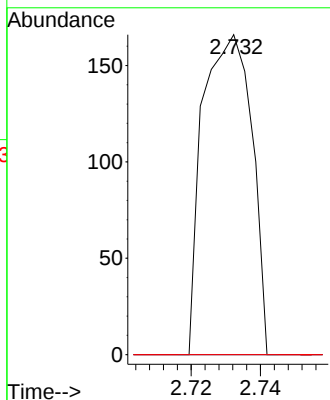
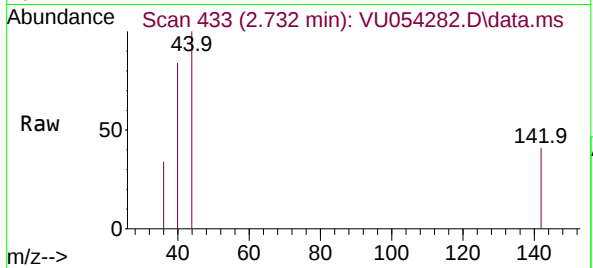




#10
Methyl Iodide
Concen: 2.382 ug/l
RT: 2.732 min Scan# 41
Delta R.T. 0.016 min
Lab File: VU054282.D
Acq: 26 May 2023 13:51

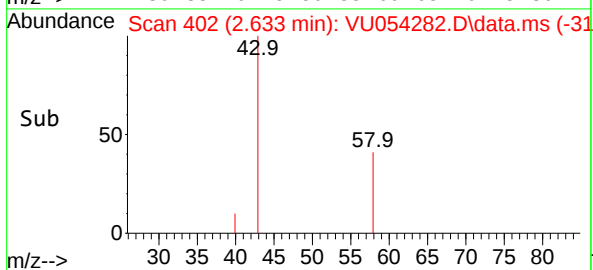
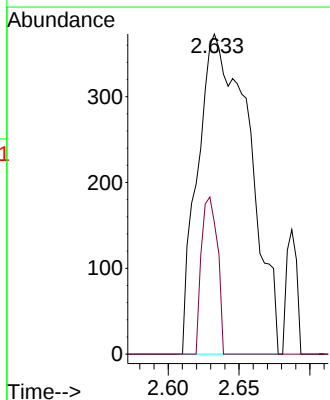
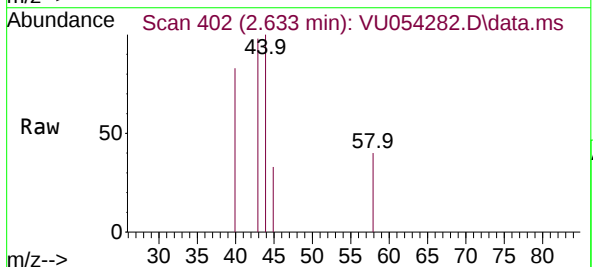
Instrument :
MSVOA_U
ClientSampleId :
56BR-20230524

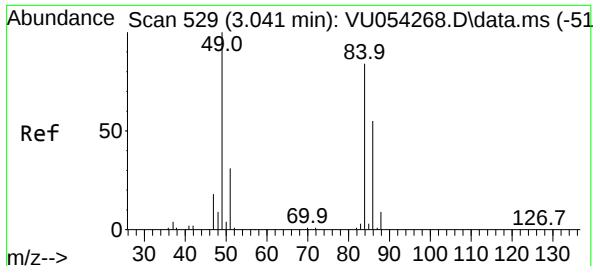
Tgt Ion:142 Resp: 163
Ion Ratio Lower Upper
142 100
127 0.0 32.5 48.7#
141 0.0 11.4 17.0#



#16
Acetone
Concen: 0.509 ug/l
RT: 2.633 min Scan# 402
Delta R.T. -0.003 min
Lab File: VU054282.D
Acq: 26 May 2023 13:51

Tgt Ion: 43 Resp: 942
Ion Ratio Lower Upper
43 100
58 41.0 27.5 41.3

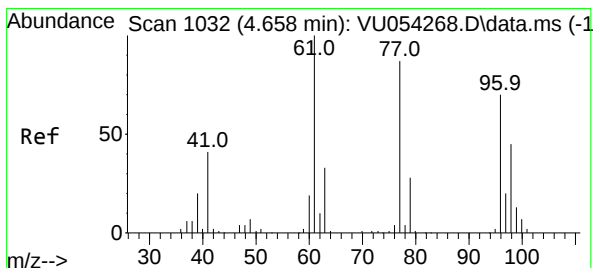
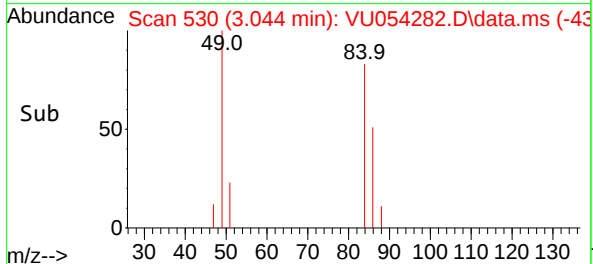
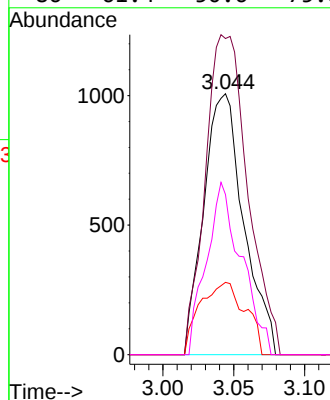
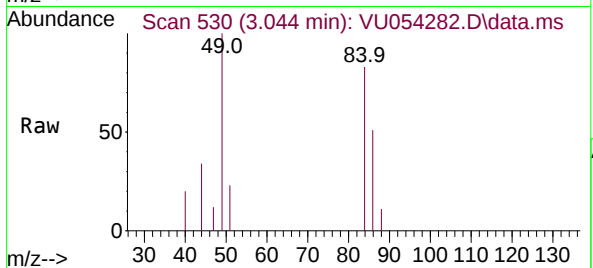




#20
Methylene Chloride
Concen: 0.593 ug/l
RT: 3.044 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU054282.D
Acq: 26 May 2023 13:51

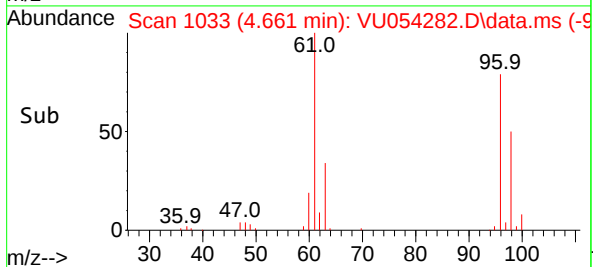
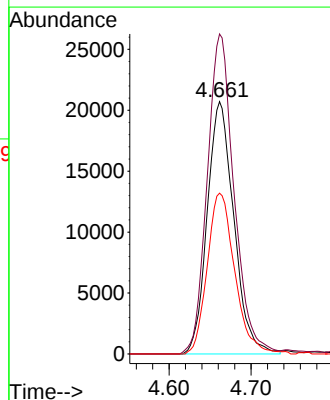
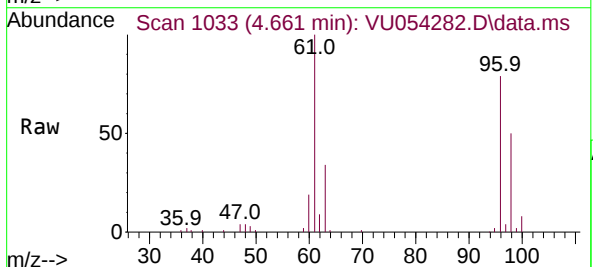
Instrument :
MSVOA_U
ClientSampleId :
56BR-20230524

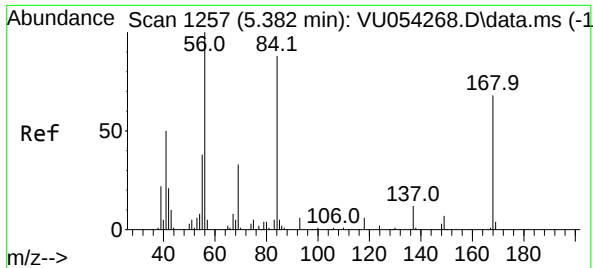
Tgt Ion: 84	Resp:	1980	
Ion	Ratio	Lower	Upper
84	100		
49	121.2	86.6	129.8
51	27.7	26.6	40.0
86	61.4	50.6	75.8



#27
cis-1,2-Dichloroethene
Concen: 14.824 ug/l
RT: 4.661 min Scan# 1033
Delta R.T. 0.003 min
Lab File: VU054282.D
Acq: 26 May 2023 13:51

Tgt Ion: 96	Resp:	46774	
Ion	Ratio	Lower	Upper
96	100		
61	127.7	0.0	271.6
98	65.8	0.0	128.2

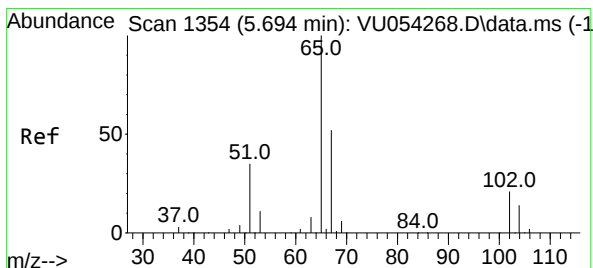
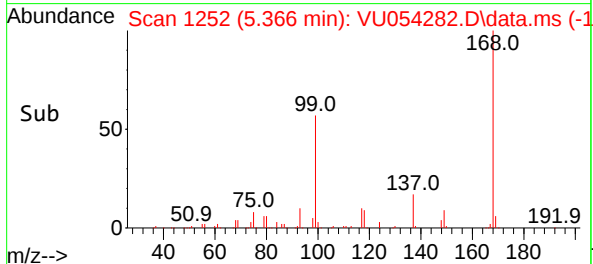
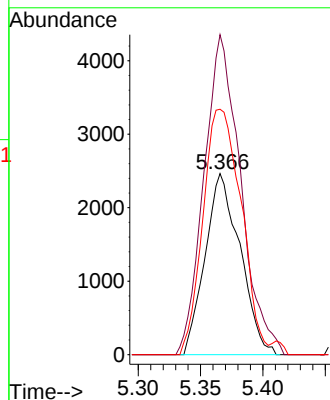
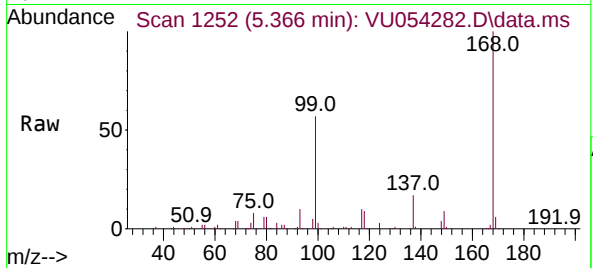




#31
Cyclohexane
Concen: 1.053 ug/l
RT: 5.366 min Scan# 1252
Delta R.T. -0.016 min
Lab File: VU054282.D
Acq: 26 May 2023 13:51

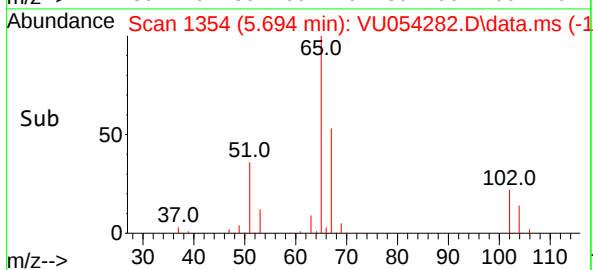
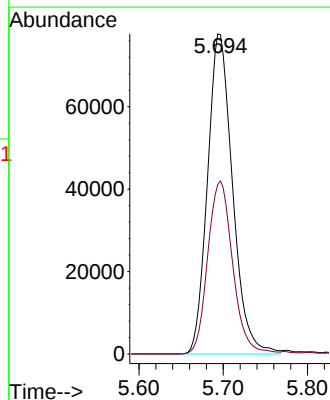
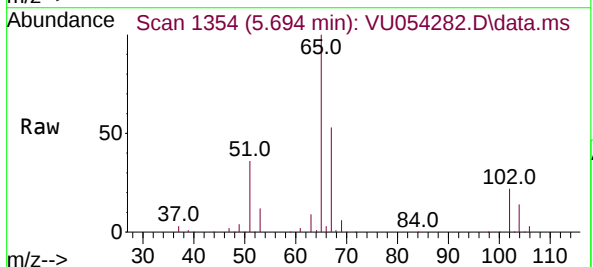
Instrument :
MSVOA_U
ClientSampleId :
56BR-20230524

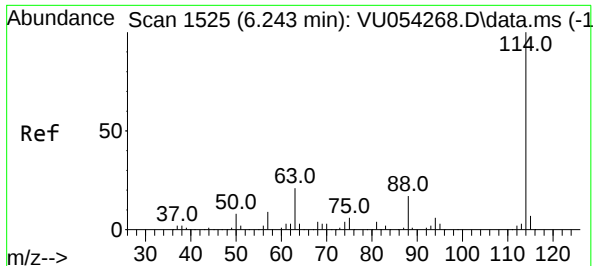
Tgt Ion: 56 Resp: 4801
Ion Ratio Lower Upper
56 100
69 172.4 27.8 41.8#
84 135.6 74.2 111.4#



#33
1,2-Dichloroethane-d4
Concen: 49.760 ug/l
RT: 5.694 min Scan# 1354
Delta R.T. -0.000 min
Lab File: VU054282.D
Acq: 26 May 2023 13:51

Tgt Ion: 65 Resp: 160658
Ion Ratio Lower Upper
65 100
67 53.7 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: VU054282.D

Acq: 26 May 2023 13:51

Instrument :

MSVOA_U

ClientSampleId :

56BR-20230524

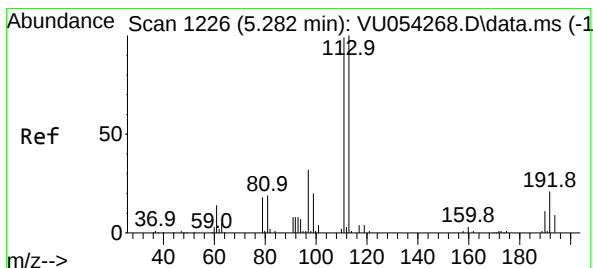
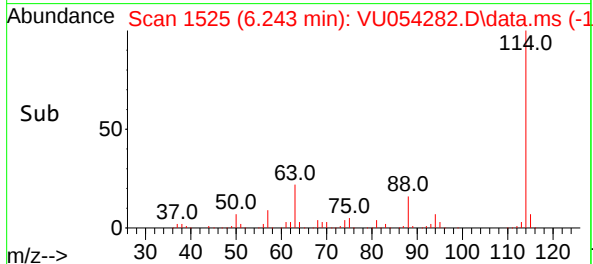
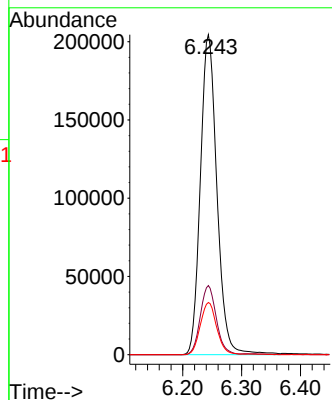
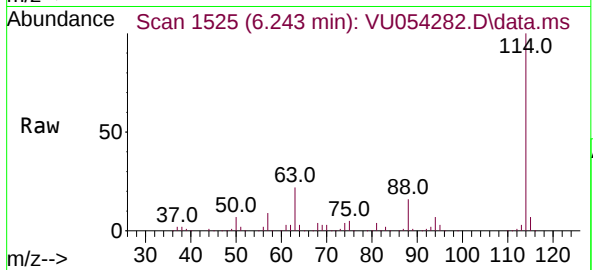
Tgt Ion:114 Resp: 399339

Ion Ratio Lower Upper

114 100

63 21.6 0.0 37.8

88 16.3 0.0 29.2



#35

Dibromofluoromethane

Concen: 51.132 ug/l

RT: 5.282 min Scan# 1226

Delta R.T. -0.000 min

Lab File: VU054282.D

Acq: 26 May 2023 13:51

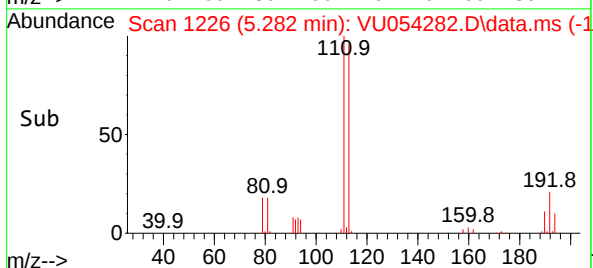
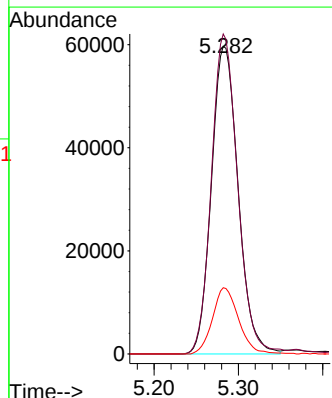
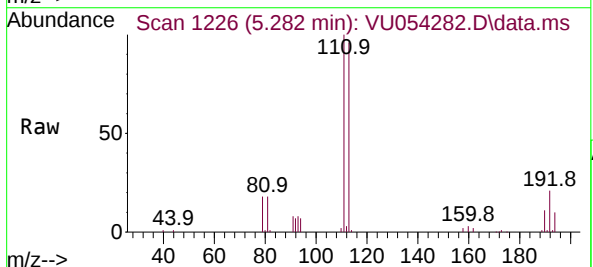
Tgt Ion:113 Resp: 131495

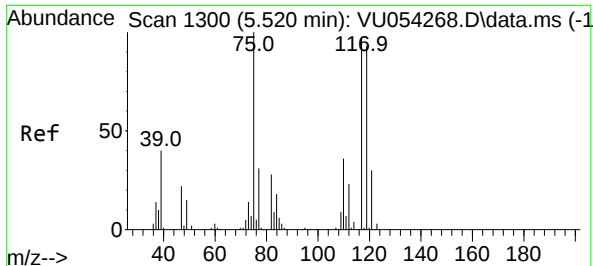
Ion Ratio Lower Upper

113 100

111 102.3 82.1 123.1

192 21.0 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.745 ug/l

RT: 5.366 min Scan# 1252

Delta R.T. -0.154 min

Lab File: VU054282.D

Acq: 26 May 2023 13:51

Instrument :

MSVOA_U

ClientSampleId :

56BR-20230524

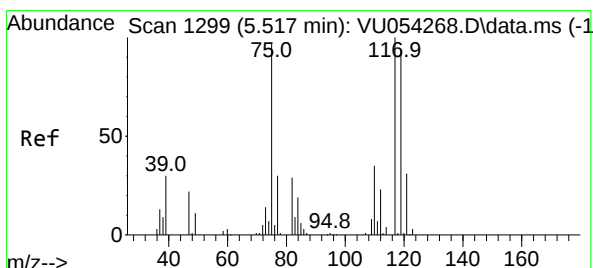
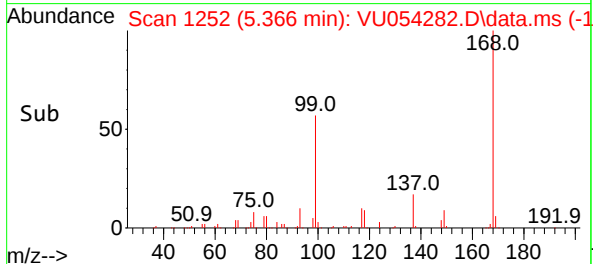
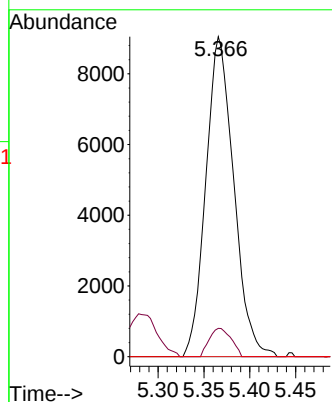
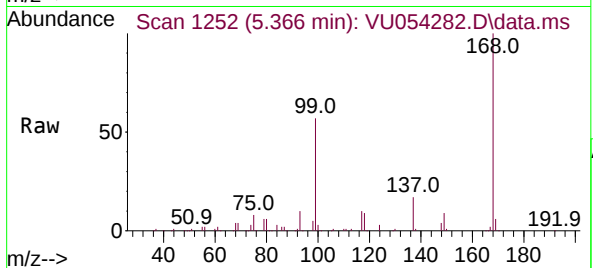
Tgt Ion: 75 Resp: 19168

Ion Ratio Lower Upper

75 100

110 6.9 18.4 55.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.882 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.148 min

Lab File: VU054282.D

Acq: 26 May 2023 13:51

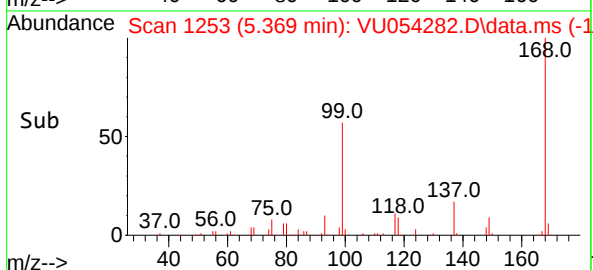
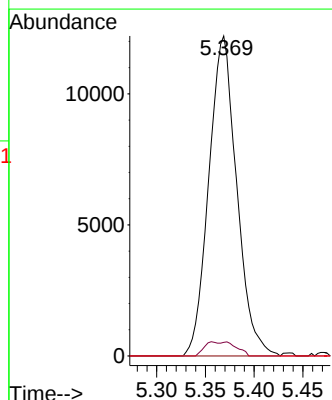
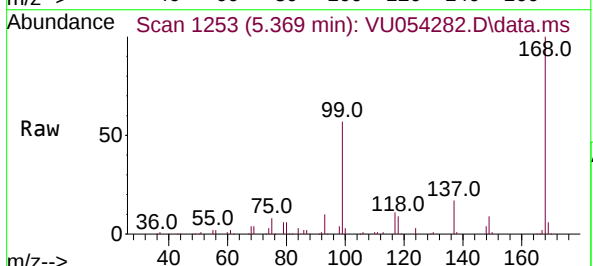
Tgt Ion: 117 Resp: 24317

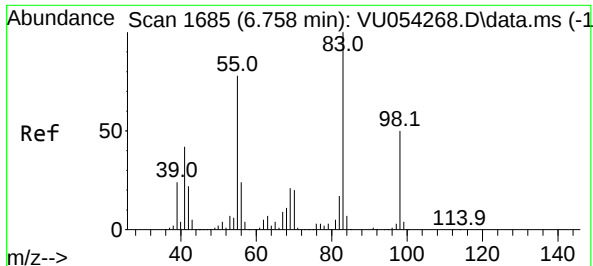
Ion Ratio Lower Upper

117 100

119 4.3 76.8 115.2#

121 0.0 24.7 37.1#





#39

Methylcyclohexane

Concen: 0.567 ug/l

RT: 6.536 min Scan# 1616

Delta R.T. -0.222 min

Lab File: VU054282.D

Acq: 26 May 2023 13:51

Instrument :

MSVOA_U

ClientSampleId :

56BR-20230524

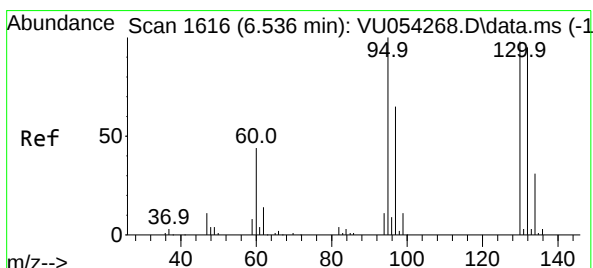
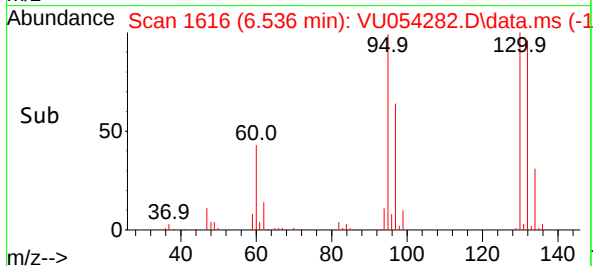
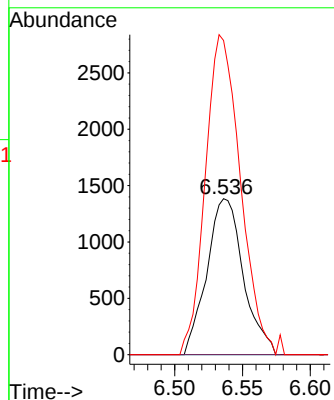
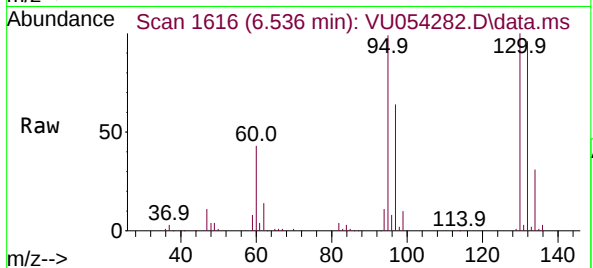
Tgt Ion: 83 Resp: 2593

Ion Ratio Lower Upper

83 100

55 0.0 55.3 82.9#

98 201.4 37.3 55.9#



#44

Trichloroethene

Concen: 70.765 ug/l

RT: 6.536 min Scan# 1616

Delta R.T. -0.000 min

Lab File: VU054282.D

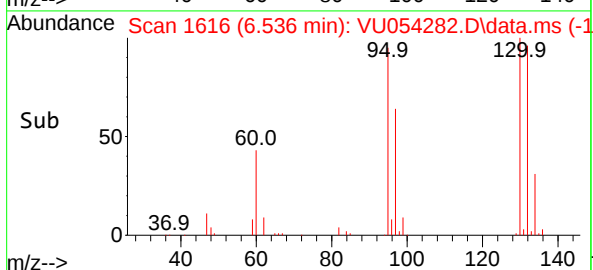
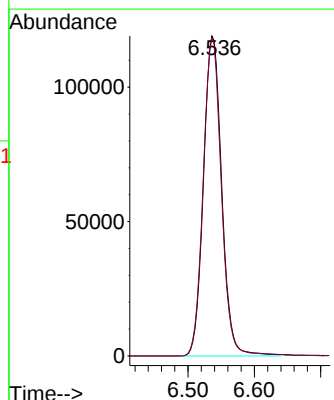
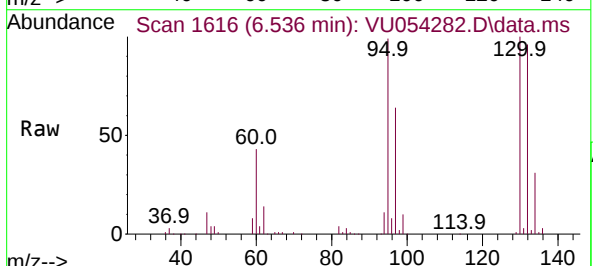
Acq: 26 May 2023 13:51

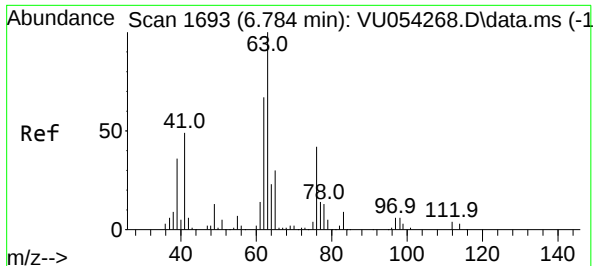
Tgt Ion:130 Resp: 227909

Ion Ratio Lower Upper

130 100

95 99.3 0.0 184.6





#45

1,2-Dichloropropane

Concen: 0.275 ug/l

RT: 6.533 min Scan# 1

Delta R.T. -0.251 min

Lab File: VU054282.D

Acq: 26 May 2023 13:51

Instrument :

MSVOA_U

ClientSampleId :

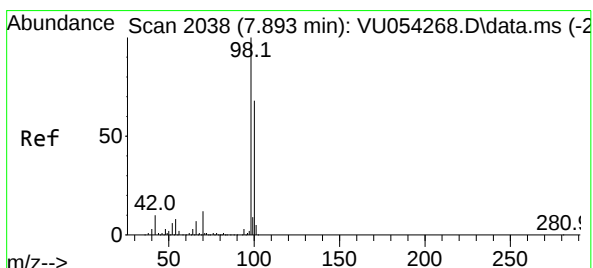
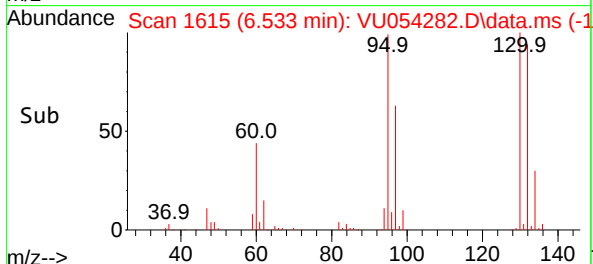
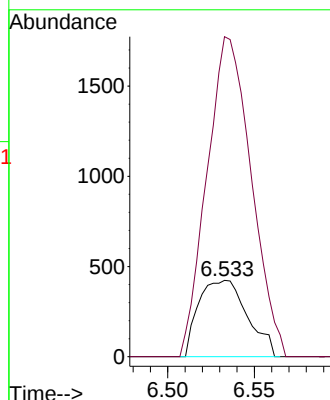
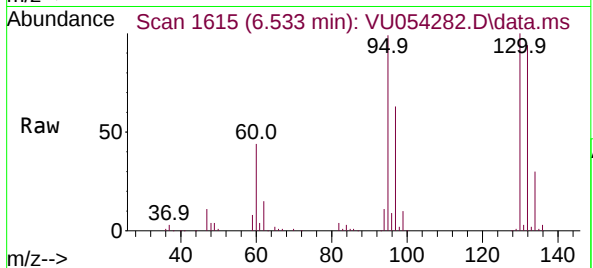
56BR-20230524

Tgt Ion: 63 Resp: 827

Ion Ratio Lower Upper

63 100

65 419.4 25.0 37.4#



#50

Toluene-d8

Concen: 49.761 ug/l

RT: 7.893 min Scan# 2038

Delta R.T. -0.000 min

Lab File: VU054282.D

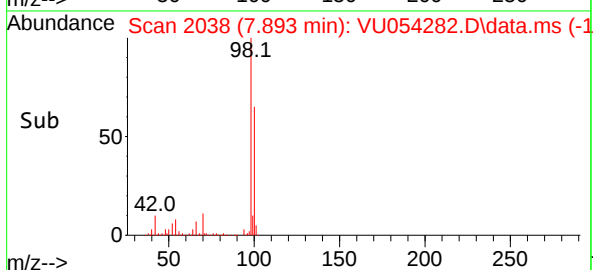
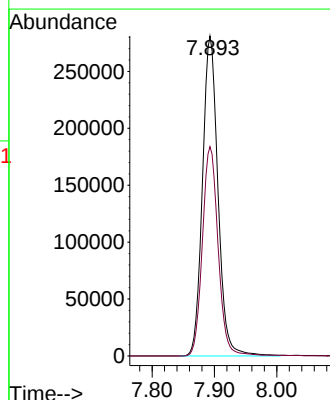
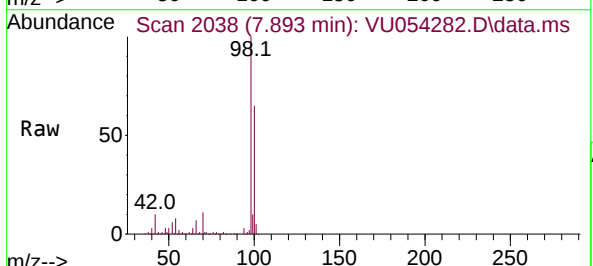
Acq: 26 May 2023 13:51

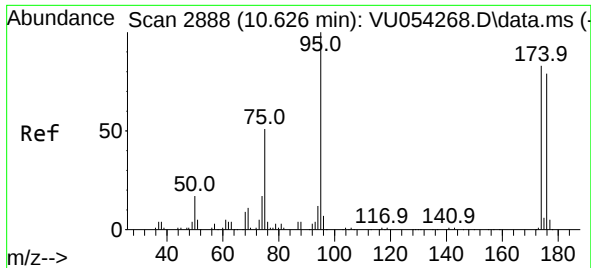
Tgt Ion: 98 Resp: 486754

Ion Ratio Lower Upper

98 100

100 66.2 51.7 77.5

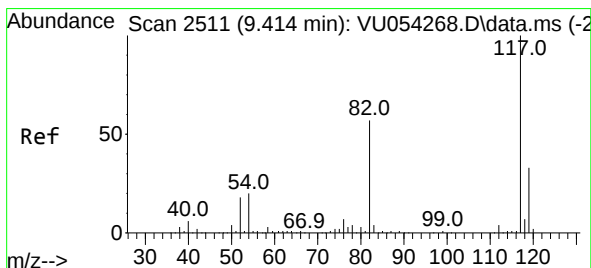
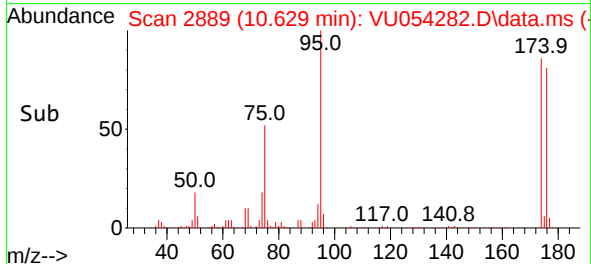
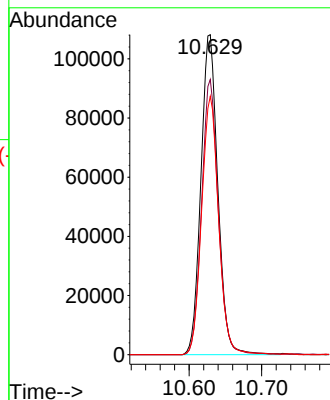
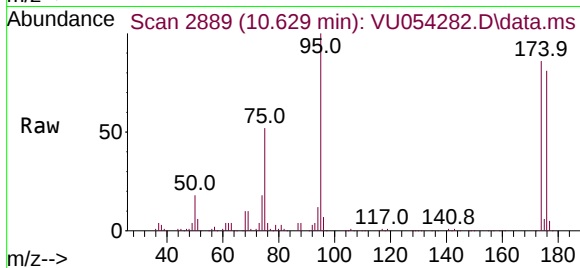




#62
4-Bromofluorobenzene
Concen: 46.330 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. 0.003 min
Lab File: VU054282.D
Acq: 26 May 2023 13:51

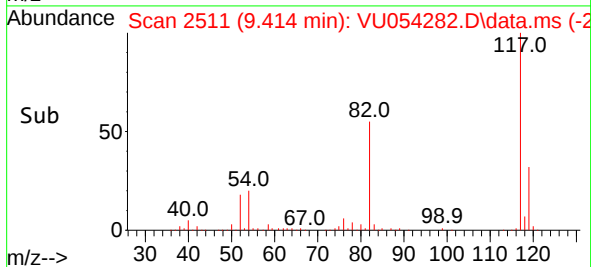
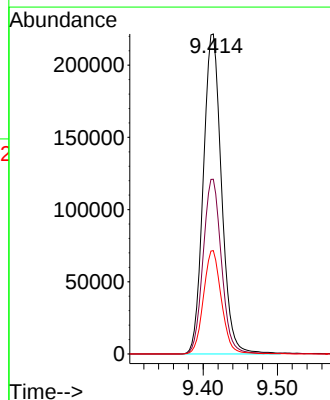
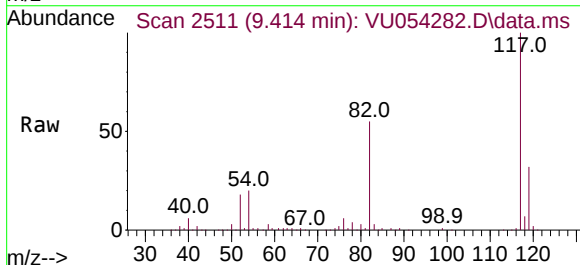
Instrument :
MSVOA_U
ClientSampleId :
56BR-20230524

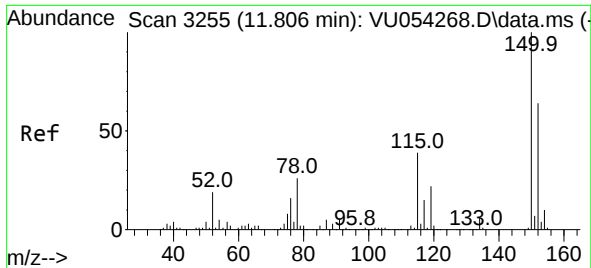
Tgt Ion: 95 Resp: 175719
Ion Ratio Lower Upper
95 100
174 84.6 0.0 182.0
176 81.0 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.414 min Scan# 2511
Delta R.T. -0.000 min
Lab File: VU054282.D
Acq: 26 May 2023 13:51

Tgt Ion: 117 Resp: 377766
Ion Ratio Lower Upper
117 100
82 54.6 41.7 62.5
119 32.3 25.7 38.5

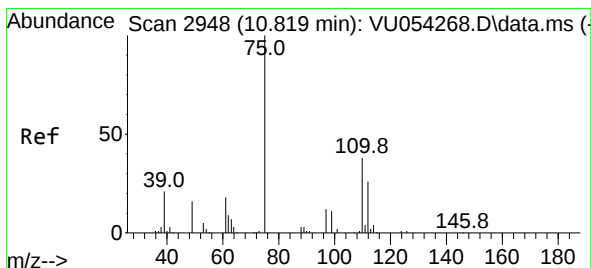
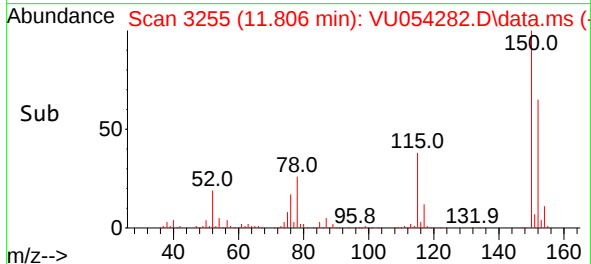
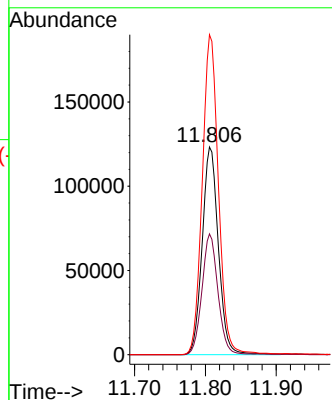
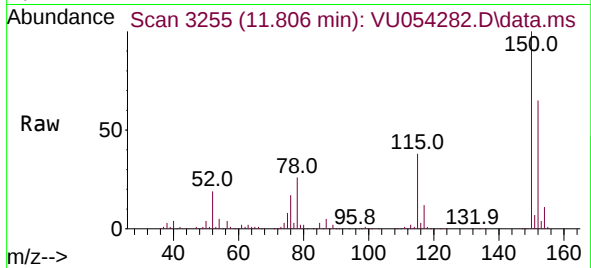




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.806 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU054282.D
Acq: 26 May 2023 13:51

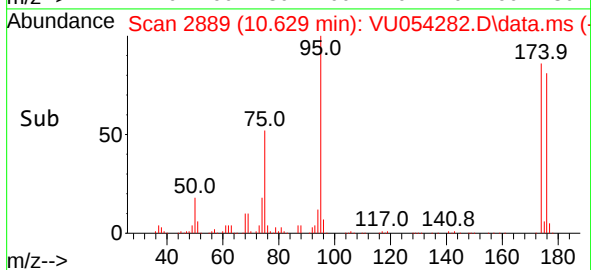
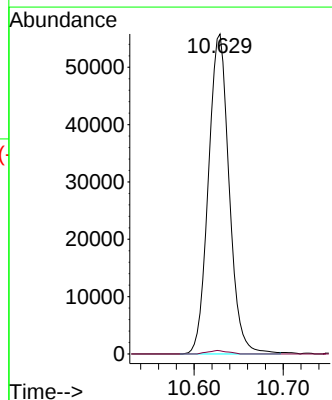
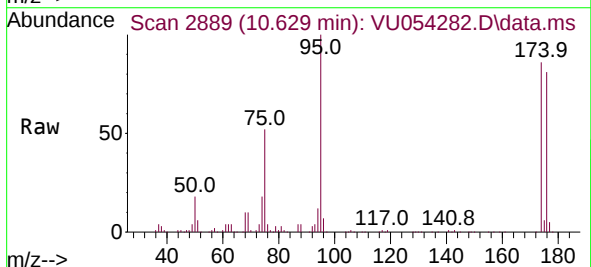
Instrument :
MSVOA_U
ClientSampleId :
56BR-20230524

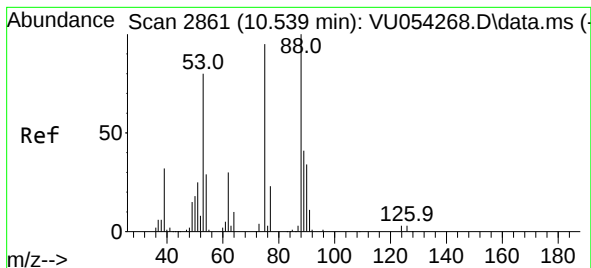
Tgt Ion:152 Resp: 195611
Ion Ratio Lower Upper
152 100
115 57.1 37.0 110.9
150 153.9 0.0 342.2



#76
1,2,3-Trichloropropane
Concen: 15.798 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. -0.190 min
Lab File: VU054282.D
Acq: 26 May 2023 13:51

Tgt Ion: 75 Resp: 90193
Ion Ratio Lower Upper
75 100
77 1.1 15.8 47.3#

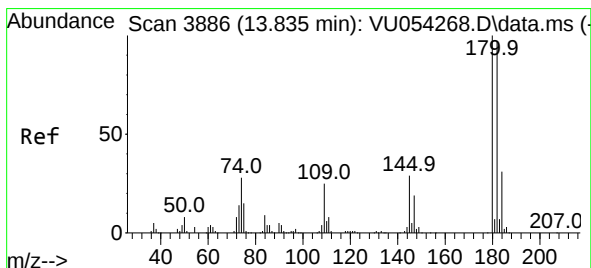
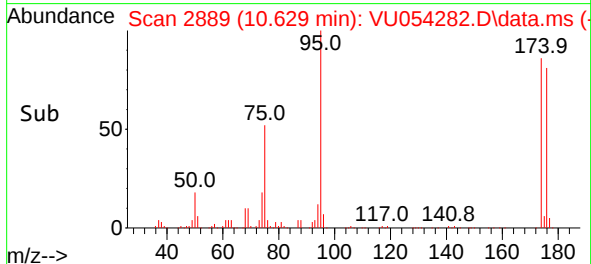
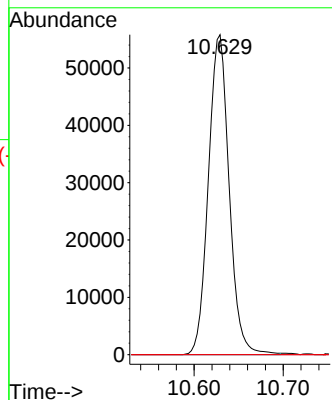
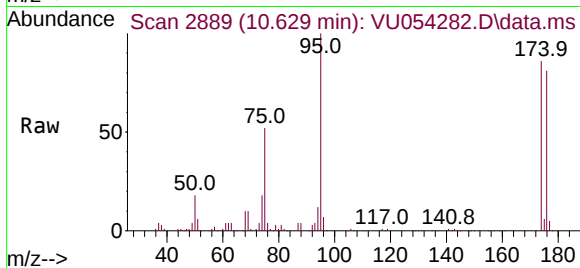




#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.158 ug/l
 RT: 10.629 min Scan# 21
 Delta R.T. 0.090 min
 Lab File: VU054282.D
 Acq: 26 May 2023 13:51

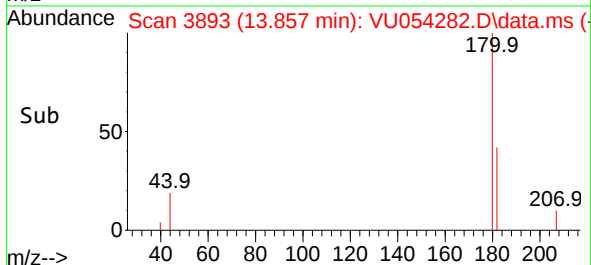
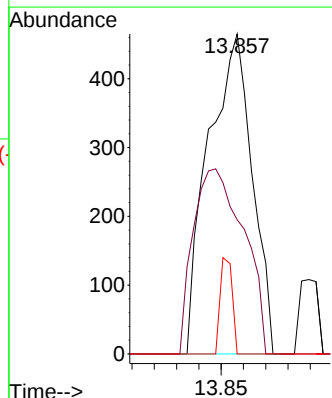
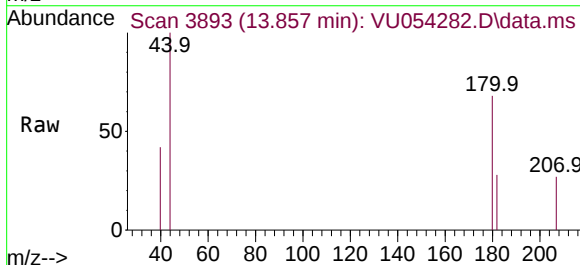
Instrument :
 MSVOA_U
 ClientSampleId :
 56BR-20230524

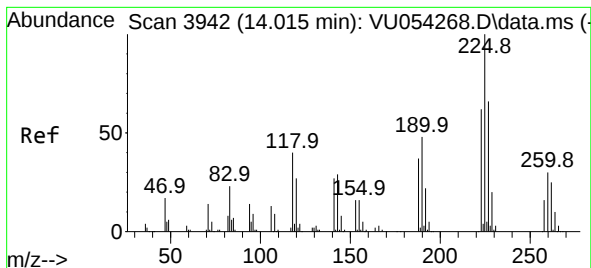
Tgt Ion: 75 Resp: 90193
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.2 103.8#
 89 0.0 37.0 55.6#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.780 ug/l
 RT: 13.857 min Scan# 3893
 Delta R.T. 0.022 min
 Lab File: VU054282.D
 Acq: 26 May 2023 13:51

Tgt Ion:180 Resp: 636
 Ion Ratio Lower Upper
 180 100
 182 66.5 47.9 143.6
 145 8.2 14.0 41.9#





#94

Hexachlorobutadiene

Concen: 0.840 ug/l

RT: 14.012 min Scan# 3941

Delta R.T. -0.003 min

Lab File: VU054282.D

Acq: 26 May 2023 13:51

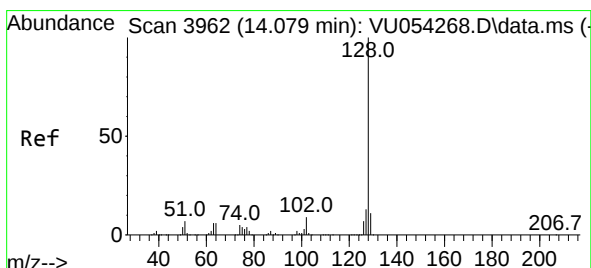
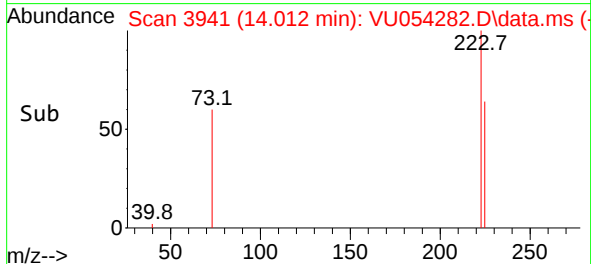
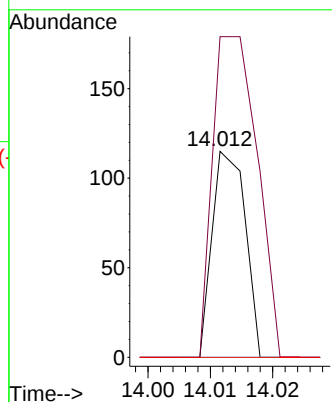
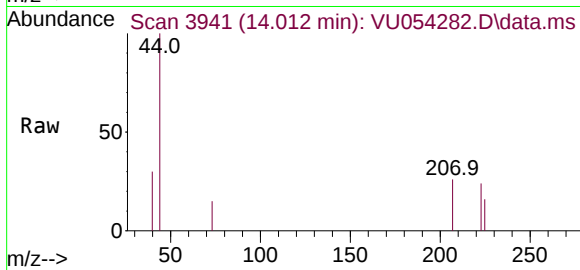
Instrument :

MSVOA_U

ClientSampleId :

56BR-20230524

Tgt Ion:	225	Resp:	42
Ion	Ratio	Lower	Upper
225	100		
223	211.9	31.3	93.9#
227	0.0	32.0	96.2#



#95

Naphthalene

Concen: 2.098 ug/l

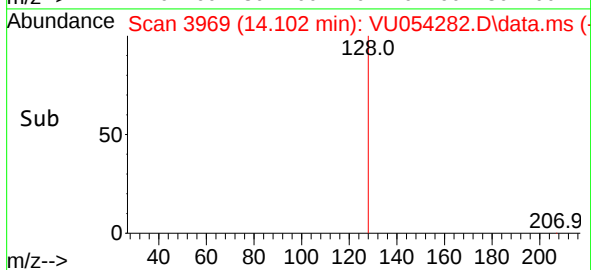
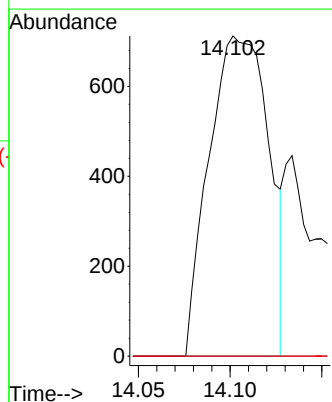
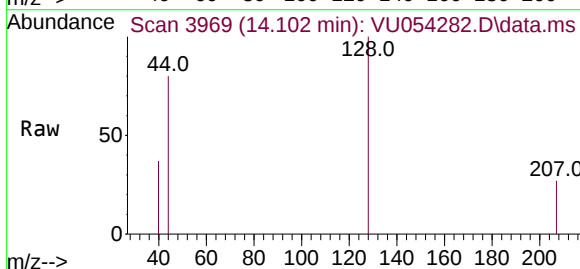
RT: 14.102 min Scan# 3969

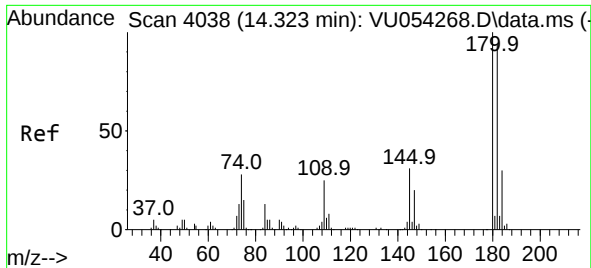
Delta R.T. 0.023 min

Lab File: VU054282.D

Acq: 26 May 2023 13:51

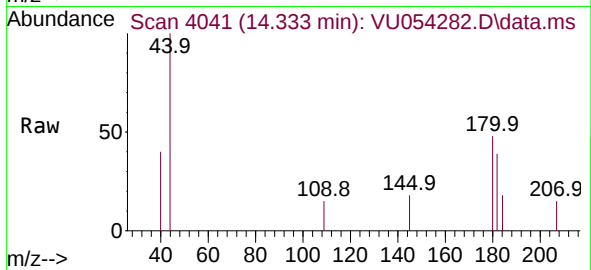
Tgt Ion:	128	Resp:	1612
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.354 ug/l
 RT: 14.333 min Scan# 40
 Delta R.T. 0.010 min
 Lab File: VU054282.D
 Acq: 26 May 2023 13:51

Instrument :
 MSVOA_U
 ClientSampleId :
 56BR-20230524



Tgt Ion:180 Resp: 455

Ion	Ratio	Lower	Upper
180	100		
182	97.4	48.4	145.0
145	15.8	14.8	44.4

