

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053123\
 Data File : VU054337.D
 Acq On : 31 May 2023 15:01
 Operator : JC/MD
 Sample : 02936-19
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PDB-BLANK-20230524

Quant Time: Jun 01 05:21:22 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)

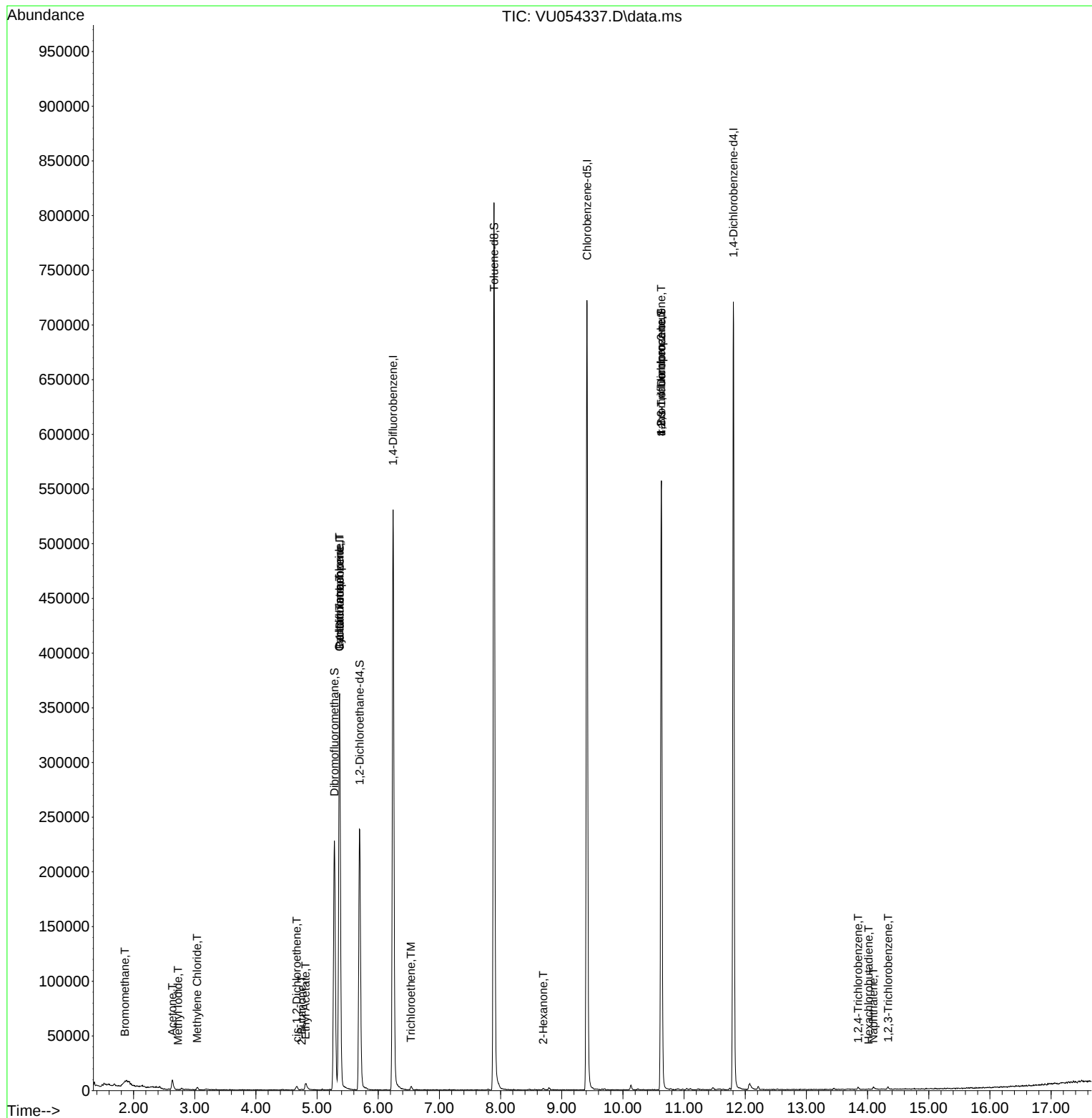
Internal Standards						
1) Pentafluorobenzene	5.369	168	264362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	436086	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	414662	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	197680	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.697	65	180183	51.993	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.980%	
35) Dibromofluoromethane	5.282	113	147585	52.553	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.100%	
50) Toluene-d8	7.893	98	545764	51.093	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.180%	
62) 4-Bromofluorobenzene	10.629	95	191034	46.123	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.240%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.858	94	582	0.285	ug/l	81
10) Methyl Iodide	2.726	142	108	2.363	ug/l #	43
16) Acetone	2.632	43	11738	5.909	ug/l	94
20) Methylene Chloride	3.038	84	924	0.258	ug/l #	70
25) 2-Butanone	4.751	43	1226	0.466	ug/l #	85
27) cis-1,2-Dichloroethene	4.668	96	1848	0.546	ug/l	94
31) Cyclohexane	5.365	56	5195	1.062	ug/l #	1
36) 1,1-Dichloropropene	5.369	75	19614	4.447	ug/l #	49
37) Ethyl Acetate	4.812	43	9932	1.848	ug/l #	91
38) Carbon Tetrachloride	5.365	117	25530	5.655	ug/l #	16
44) Trichloroethene	6.536	130	1238	0.352	ug/l	66
59) 2-Hexanone	8.697	43	1273	0.326	ug/l	84
76) 1,2,3-Trichloropropane	10.629	75	94703	16.414	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.629	75	94703	62.505	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.844	180	1177	1.894	ug/l	81
94) Hexachlorobutadiene	14.018	225	144	0.888	ug/l	93
95) Naphthalene	14.095	128	2947	2.185	ug/l #	78
96) 1,2,3-Trichlorobenzene	14.336	180	962	1.463	ug/l	87

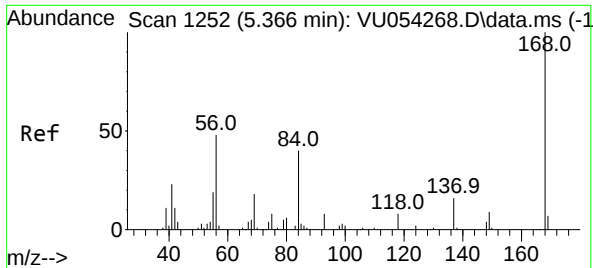
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053123\
Data File : VU054337.D
Acq On : 31 May 2023 15:01
Operator : JC/MD
Sample : 02936-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PDB-BLANK-20230524

Quant Time: Jun 01 05:21:22 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

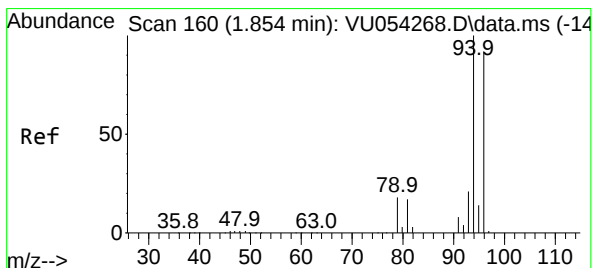
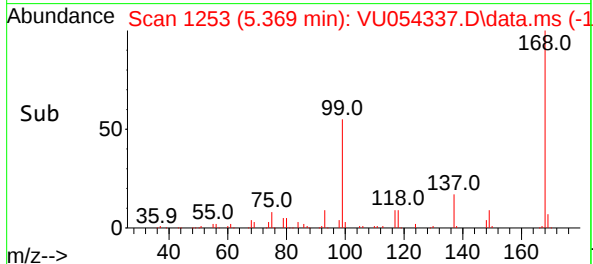
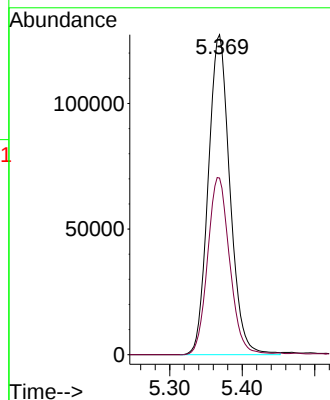
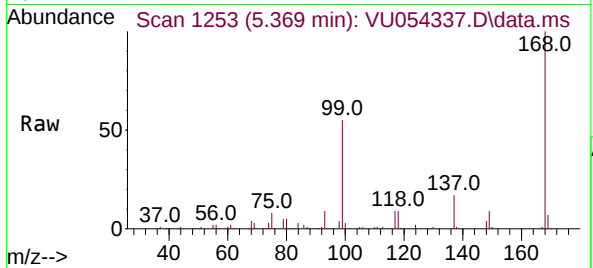




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054337.D
Acq: 31 May 2023 15:01

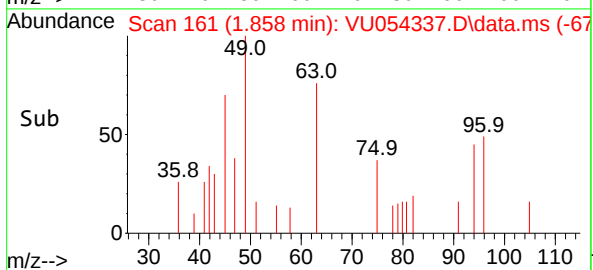
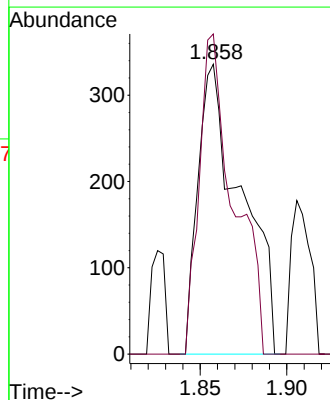
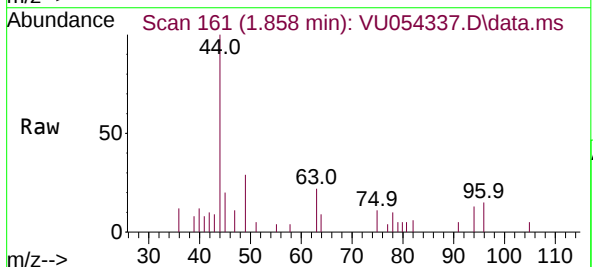
Instrument :
MSVOA_U
ClientSampleId :
PDB-BLANK-20230524

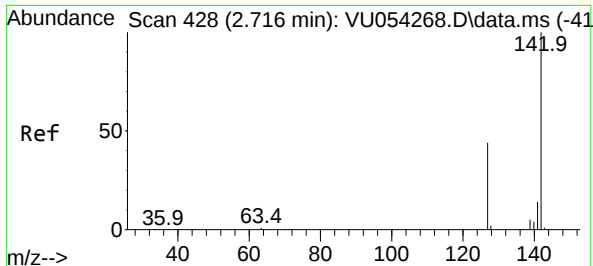
Tgt Ion:168 Resp: 264362
Ion Ratio Lower Upper
168 100
99 55.2 39.3 58.9



#5
Bromomethane
Concen: 0.285 ug/l
RT: 1.858 min Scan# 161
Delta R.T. 0.004 min
Lab File: VU054337.D
Acq: 31 May 2023 15:01

Tgt Ion: 94 Resp: 582
Ion Ratio Lower Upper
94 100
96 110.4 73.7 110.5





#10

Methyl Iodide

Concen: 2.363 ug/l

RT: 2.726 min Scan# 41

Delta R.T. 0.010 min

Lab File: VU054337.D

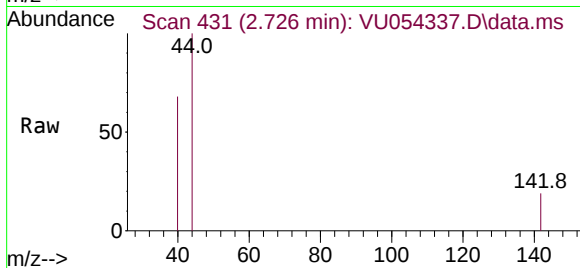
Acq: 31 May 2023 15:01

Instrument :

MSVOA_U

ClientSampleId :

PDB-BLANK-20230524



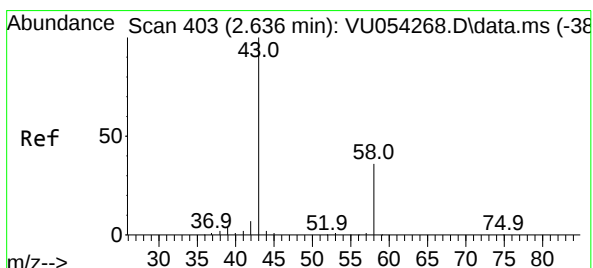
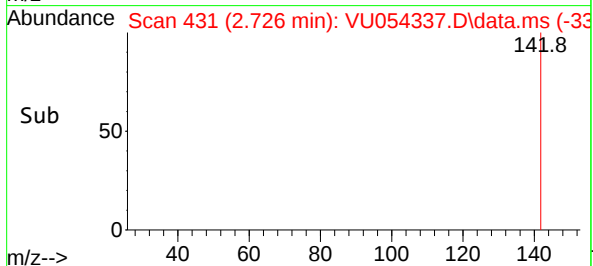
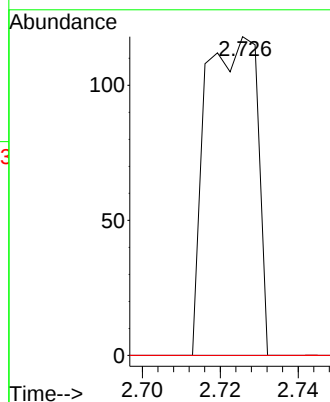
Tgt Ion:142 Resp: 108

Ion Ratio Lower Upper

142 100

127 0.0 32.5 48.7#

141 0.0 11.4 17.0#



#16

Acetone

Concen: 5.909 ug/l

RT: 2.632 min Scan# 402

Delta R.T. -0.004 min

Lab File: VU054337.D

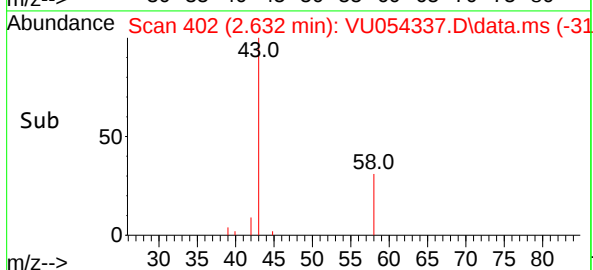
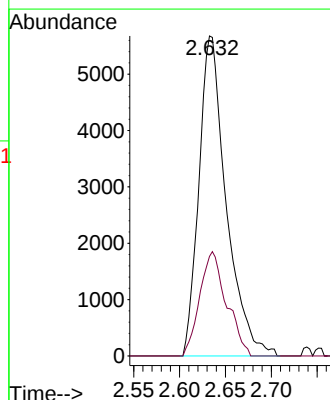
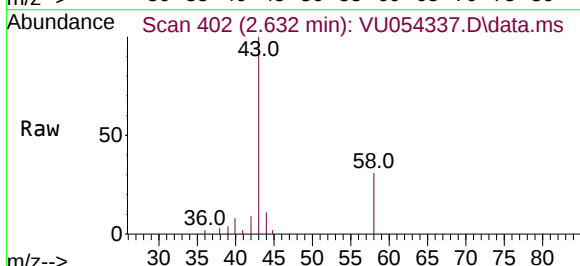
Acq: 31 May 2023 15:01

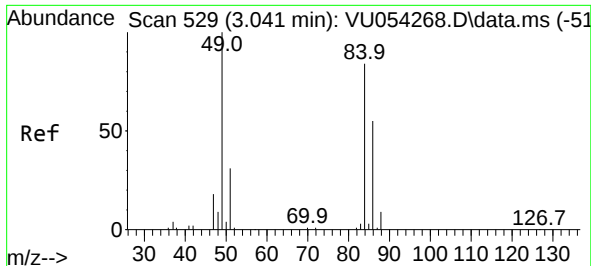
Tgt Ion: 43 Resp: 11738

Ion Ratio Lower Upper

43 100

58 31.1 27.5 41.3

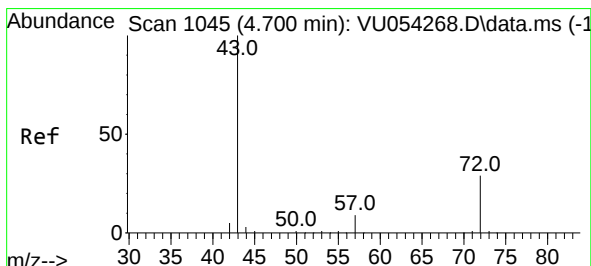
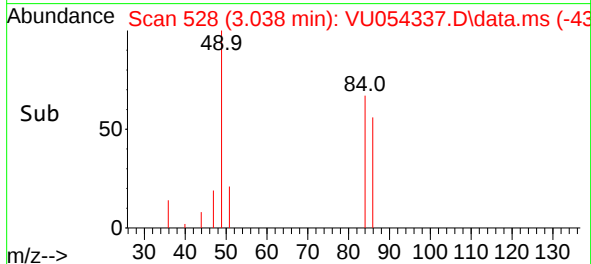
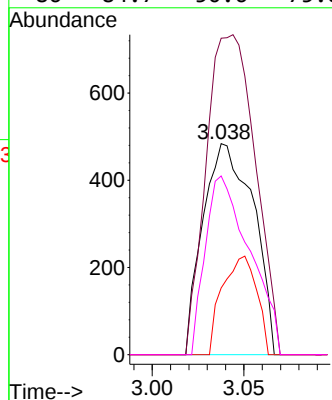
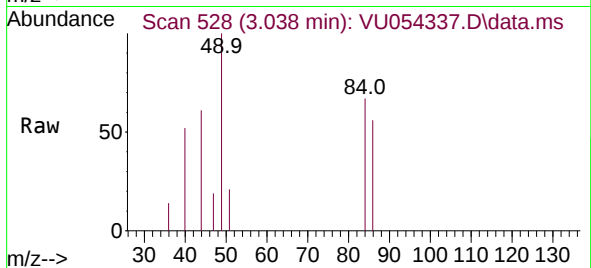




#20
Methylene Chloride
Concen: 0.258 ug/l
RT: 3.038 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU054337.D
Acq: 31 May 2023 15:01

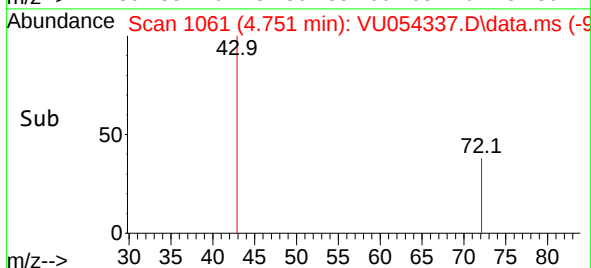
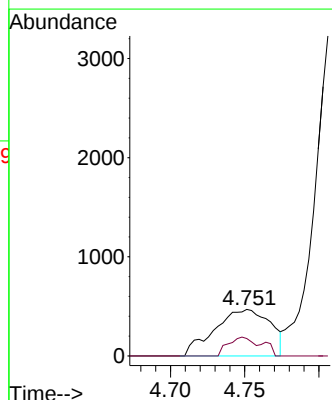
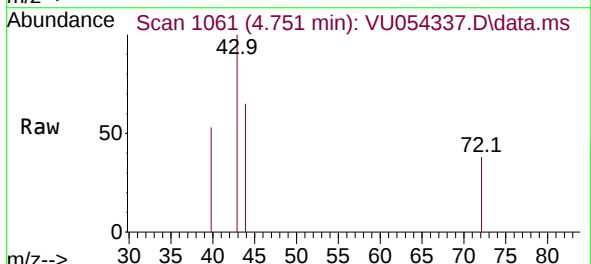
Instrument :
MSVOA_U
ClientSampleId :
PDB-BLANK-20230524

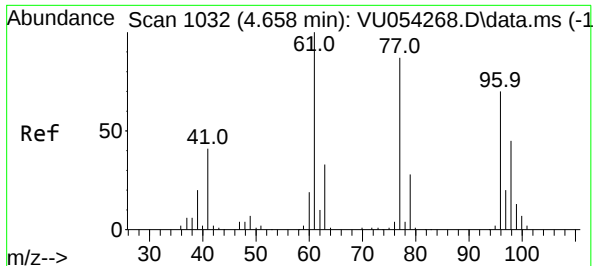
Tgt Ion:	84	Resp:	924
Ion	Ratio	Lower	Upper
84	100		
49	150.0	86.6	129.8#
51	31.6	26.6	40.0
86	84.7	50.6	75.8#



#25
2-Butanone
Concen: 0.466 ug/l
RT: 4.751 min Scan# 1061
Delta R.T. 0.051 min
Lab File: VU054337.D
Acq: 31 May 2023 15:01

Tgt Ion:	43	Resp:	1226
Ion	Ratio	Lower	Upper
43	100		
72	37.5	23.8	35.6#

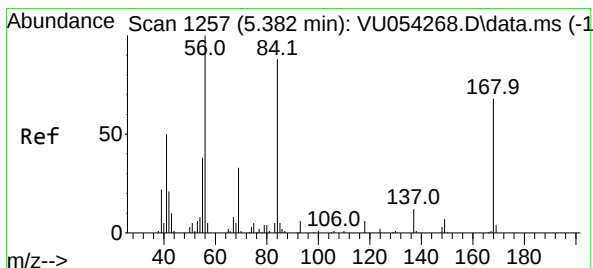
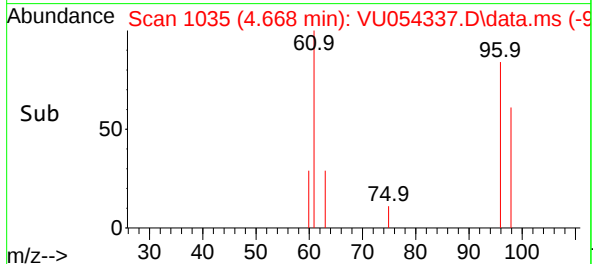
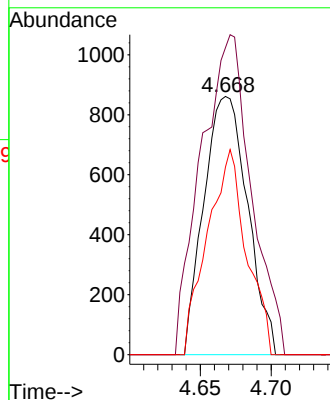
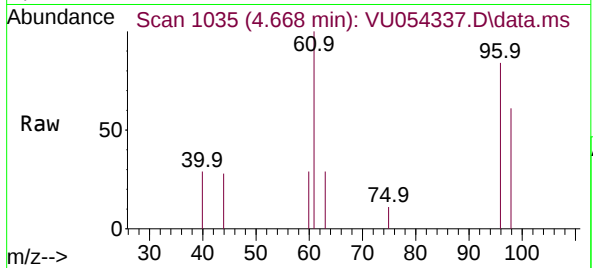




#27
 cis-1,2-Dichloroethene
 Concen: 0.546 ug/l
 RT: 4.668 min Scan# 1035
 Delta R.T. 0.010 min
 Lab File: VU054337.D
 Acq: 31 May 2023 15:01

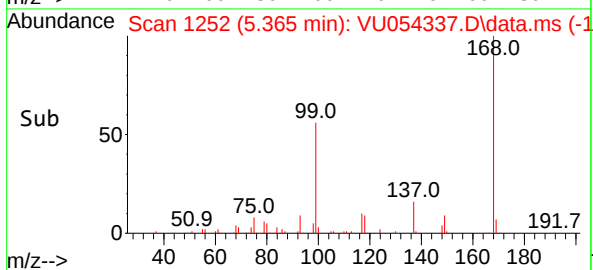
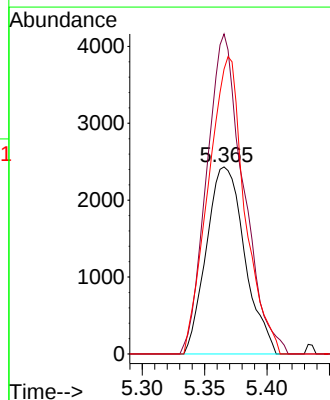
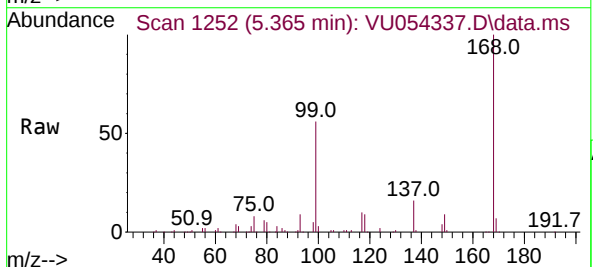
Instrument :
 MSVOA_U
 ClientSampleId :
 PDB-BLANK-20230524

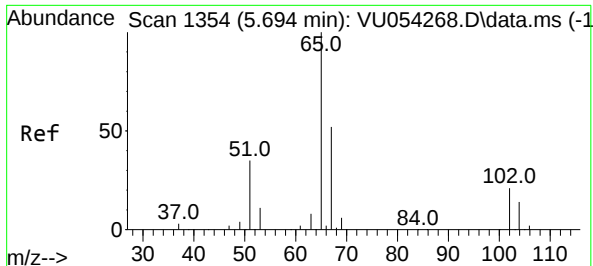
Tgt Ion:	96	Resp:	1848
Ion	Ratio	Lower	Upper
96	100		
61	141.9	0.0	271.6
98	70.8	0.0	128.2



#31
 Cyclohexane
 Concen: 1.062 ug/l
 RT: 5.365 min Scan# 1252
 Delta R.T. -0.017 min
 Lab File: VU054337.D
 Acq: 31 May 2023 15:01

Tgt Ion:	56	Resp:	5195
Ion	Ratio	Lower	Upper
56	100		
69	171.1	27.8	41.8#
84	152.3	74.2	111.4#





#33

1,2-Dichloroethane-d4

Concen: 51.993 ug/l

RT: 5.697 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU054337.D

Acq: 31 May 2023 15:01

Instrument :

MSVOA_U

ClientSampleId :

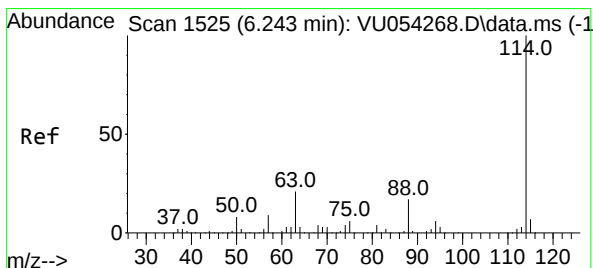
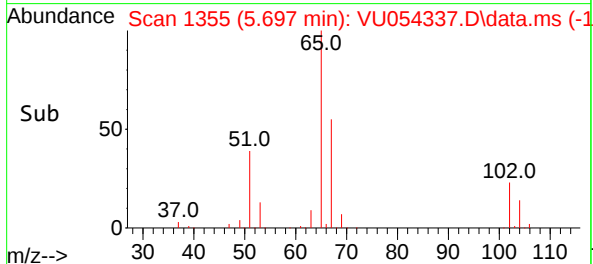
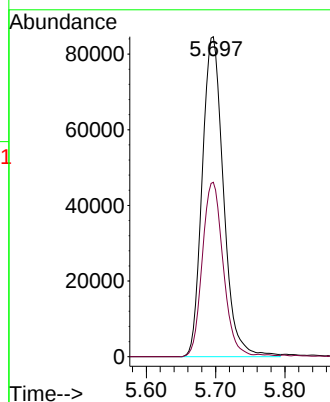
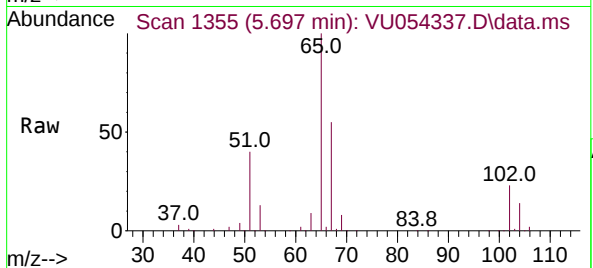
PDB-BLANK-20230524

Tgt Ion: 65 Resp: 180183

Ion Ratio Lower Upper

65 100

67 53.4 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.243 min Scan# 1525

Delta R.T. 0.000 min

Lab File: VU054337.D

Acq: 31 May 2023 15:01

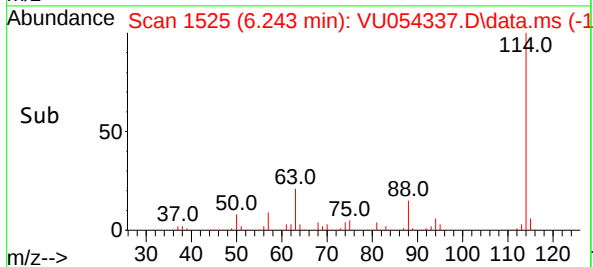
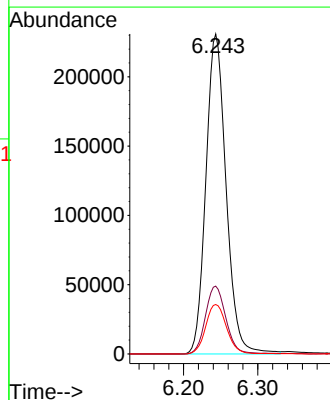
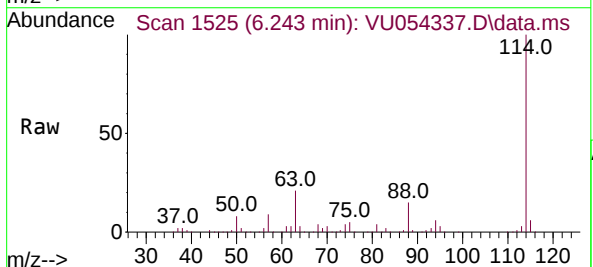
Tgt Ion: 114 Resp: 436086

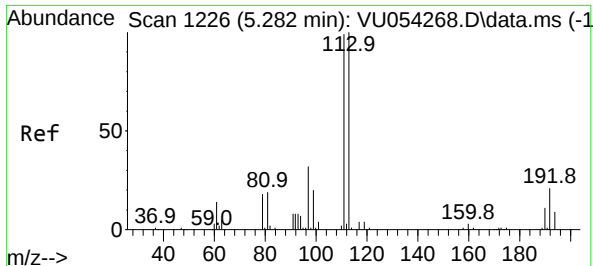
Ion Ratio Lower Upper

114 100

63 21.2 0.0 37.8

88 15.4 0.0 29.2

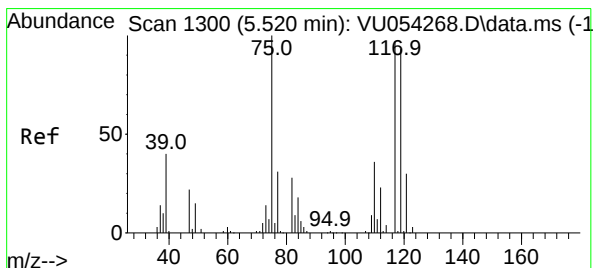
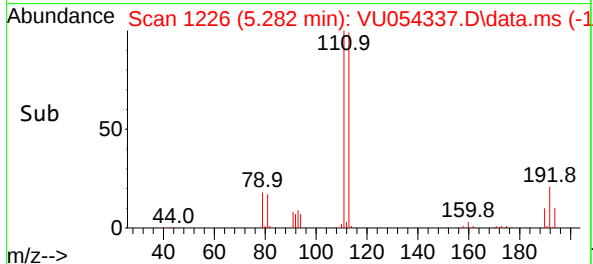
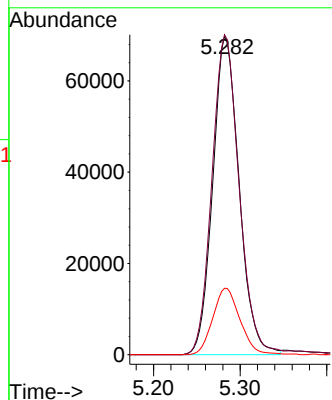
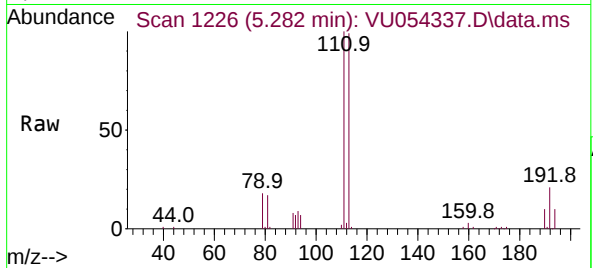




#35
Dibromofluoromethane
Concen: 52.553 ug/l
RT: 5.282 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU054337.D
Acq: 31 May 2023 15:01

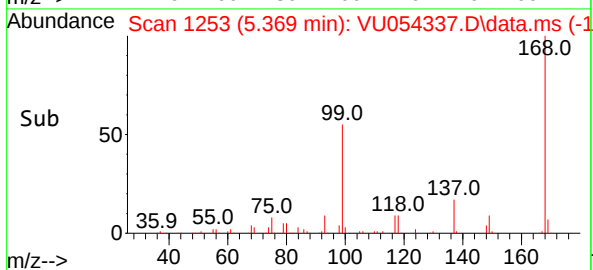
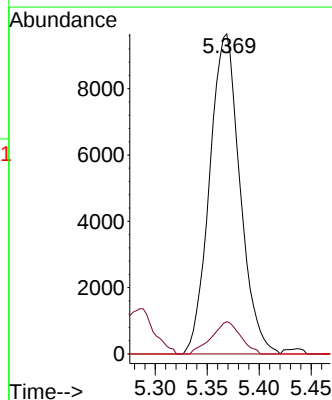
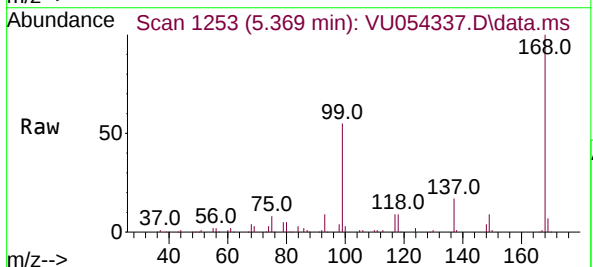
Instrument :
MSVOA_U
ClientSampleId :
PDB-BLANK-20230524

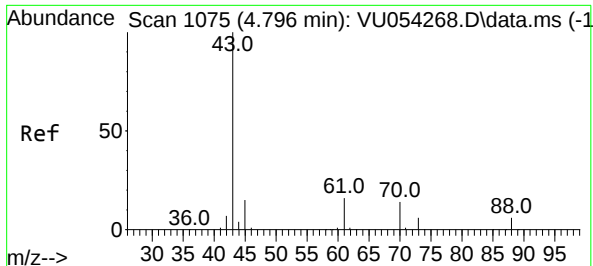
Tgt Ion:113 Resp: 147585
Ion Ratio Lower Upper
113 100
111 103.3 82.1 123.1
192 21.5 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.447 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.151 min
Lab File: VU054337.D
Acq: 31 May 2023 15:01

Tgt Ion: 75 Resp: 19614
Ion Ratio Lower Upper
75 100
110 9.6 18.4 55.2#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 1.848 ug/l

RT: 4.812 min Scan# 11

Delta R.T. 0.016 min

Lab File: VU054337.D

Acq: 31 May 2023 15:01

Instrument :

MSVOA_U

ClientSampleId :

PDB-BLANK-20230524

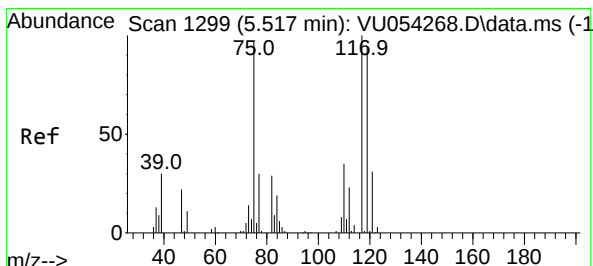
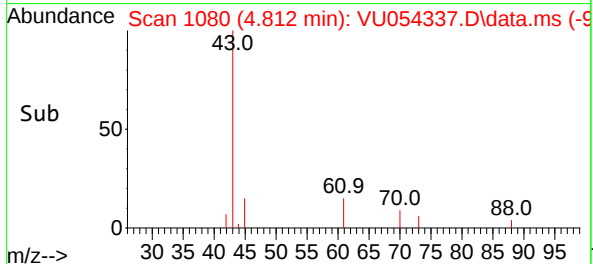
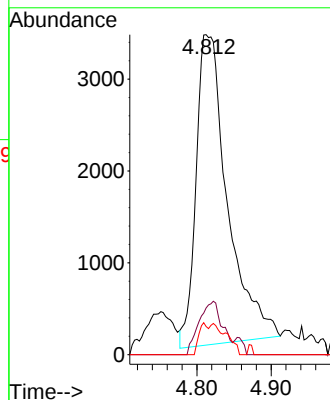
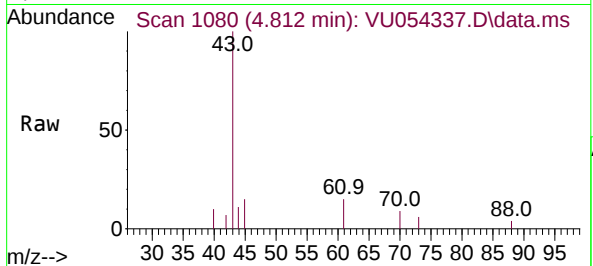
Tgt Ion: 43 Resp: 9932

Ion Ratio Lower Upper

43 100

61 12.9 9.5 14.3

70 3.1 7.5 11.3#



#38

Carbon Tetrachloride

Concen: 5.655 ug/l

RT: 5.365 min Scan# 1252

Delta R.T. -0.152 min

Lab File: VU054337.D

Acq: 31 May 2023 15:01

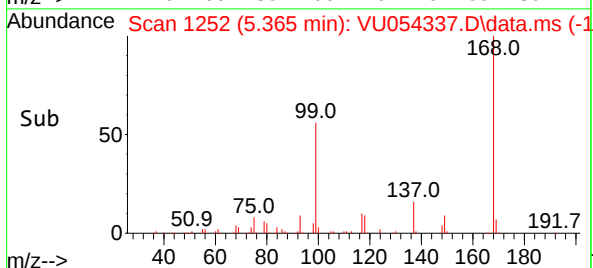
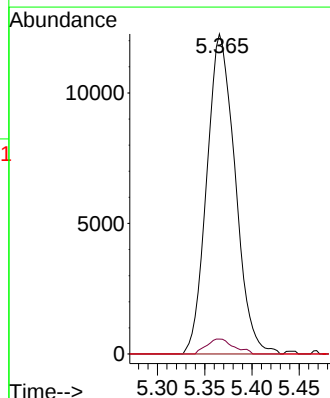
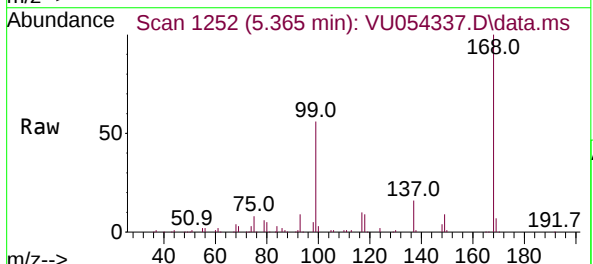
Tgt Ion: 117 Resp: 25530

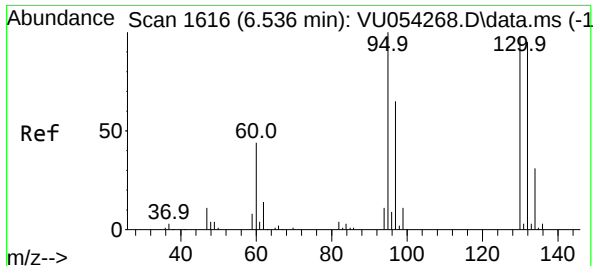
Ion Ratio Lower Upper

117 100

119 4.6 76.8 115.2#

121 0.0 24.7 37.1#

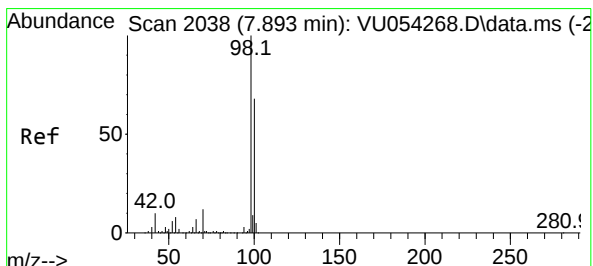
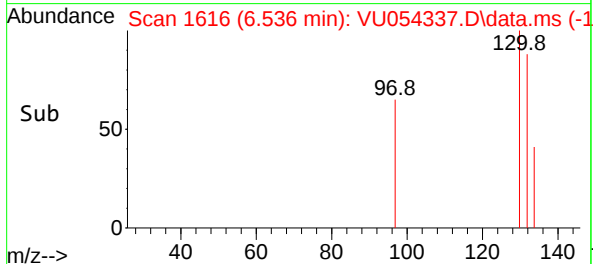
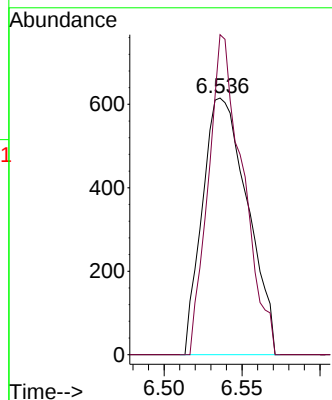
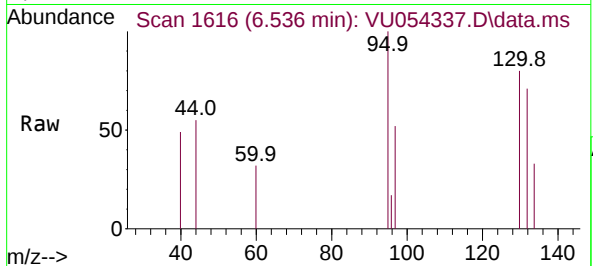




#44
Trichloroethene
Concen: 0.352 ug/l
RT: 6.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU054337.D
Acq: 31 May 2023 15:01

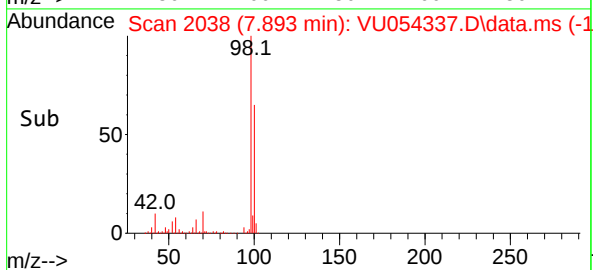
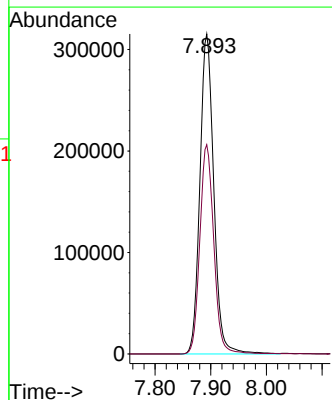
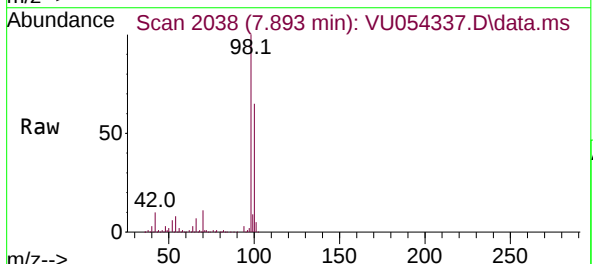
Instrument :
MSVOA_U
ClientSampleId :
PDB-BLANK-20230524

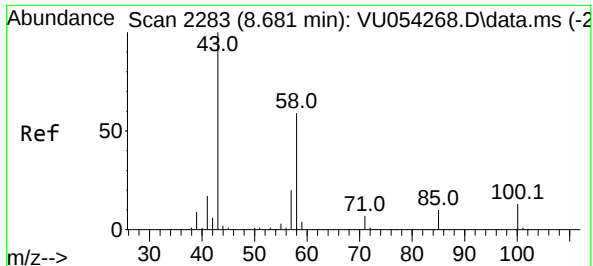
Tgt Ion:130 Resp: 1238
Ion Ratio Lower Upper
130 100
95 124.7 0.0 184.6



#50
Toluene-d8
Concen: 51.093 ug/l
RT: 7.893 min Scan# 2038
Delta R.T. -0.000 min
Lab File: VU054337.D
Acq: 31 May 2023 15:01

Tgt Ion: 98 Resp: 545764
Ion Ratio Lower Upper
98 100
100 65.7 51.7 77.5

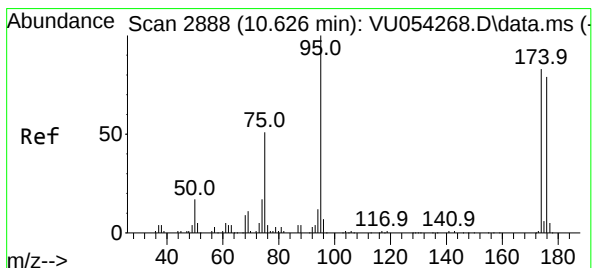
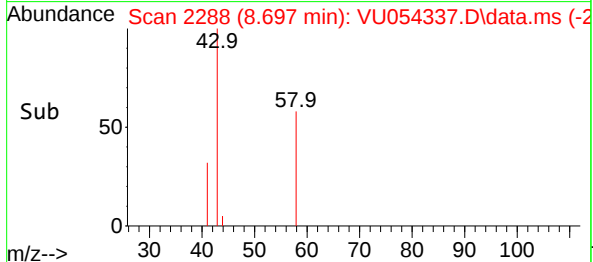
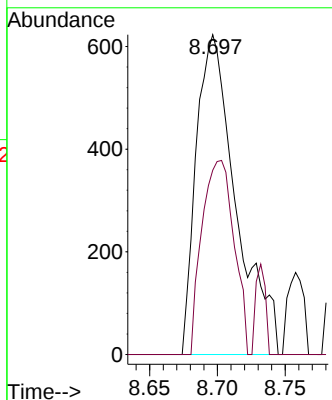
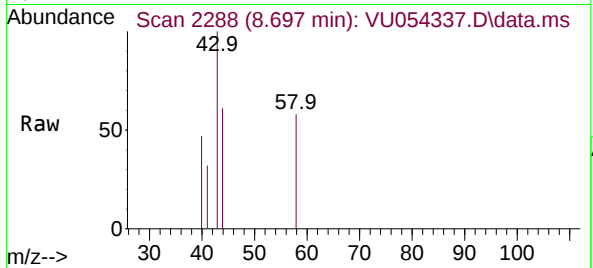




#59
2-Hexanone
Concen: 0.326 ug/l
RT: 8.697 min Scan# 21
Delta R.T. 0.016 min
Lab File: VU054337.D
Acq: 31 May 2023 15:01

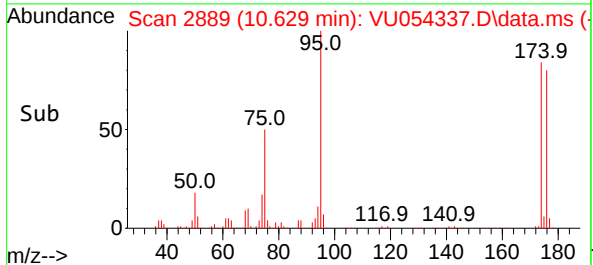
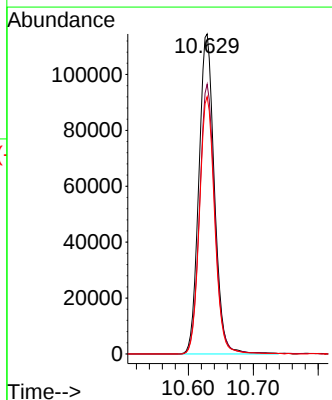
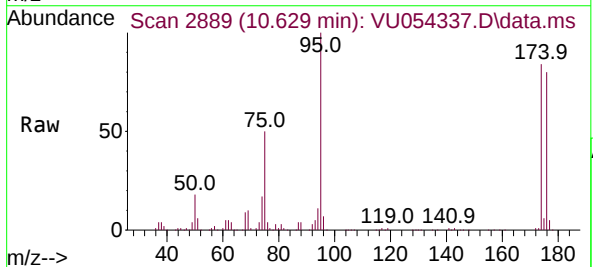
Instrument :
MSVOA_U
ClientSampleId :
PDB-BLANK-20230524

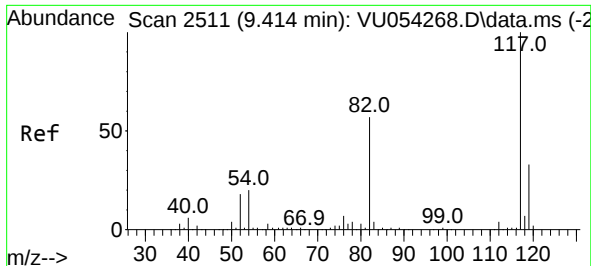
Tgt Ion: 43 Resp: 1273
Ion Ratio Lower Upper
43 100
58 48.6 30.3 90.8



#62
4-Bromofluorobenzene
Concen: 46.123 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. 0.003 min
Lab File: VU054337.D
Acq: 31 May 2023 15:01

Tgt Ion: 95 Resp: 191034
Ion Ratio Lower Upper
95 100
174 83.0 0.0 182.0
176 78.6 0.0 177.8

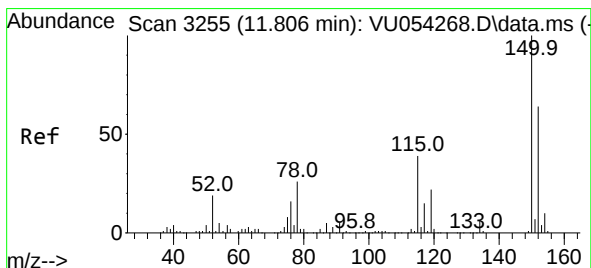
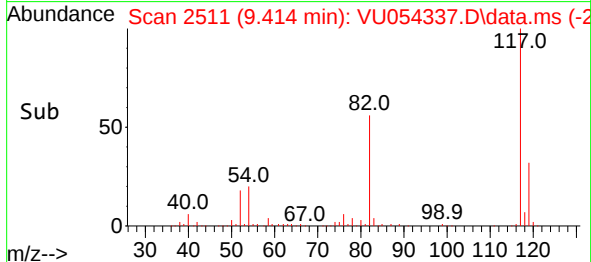
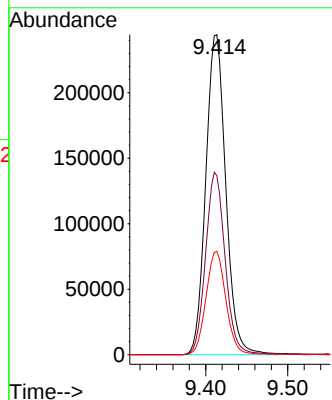
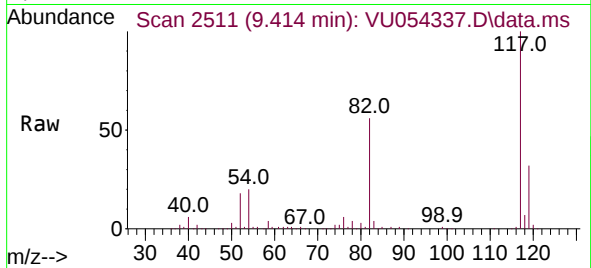




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.414 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054337.D
Acq: 31 May 2023 15:01

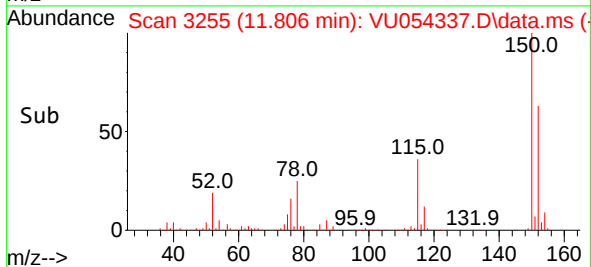
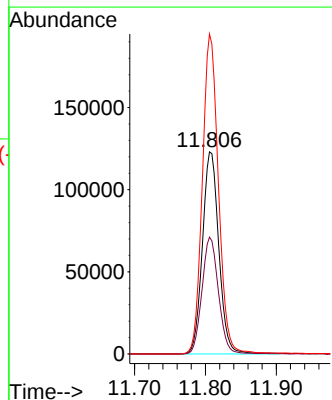
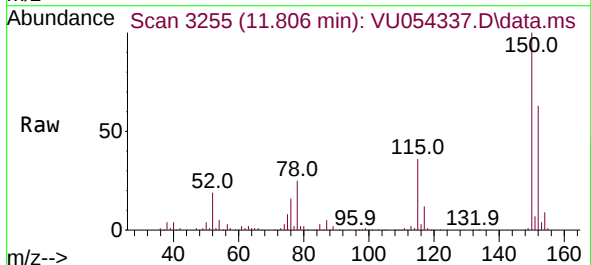
Instrument :
MSVOA_U
ClientSampleId :
PDB-BLANK-20230524

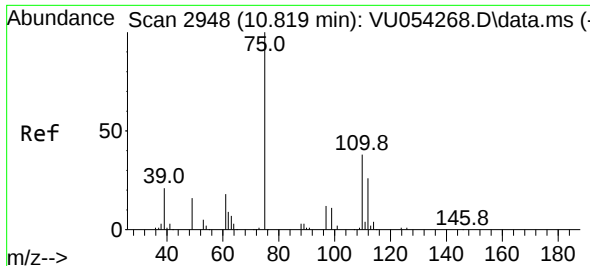
Tgt Ion:117 Resp: 414662
Ion Ratio Lower Upper
117 100
82 55.9 41.7 62.5
119 32.3 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.806 min Scan# 3255
Delta R.T. -0.000 min
Lab File: VU054337.D
Acq: 31 May 2023 15:01

Tgt Ion:152 Resp: 197680
Ion Ratio Lower Upper
152 100
115 57.8 37.0 110.9
150 155.1 0.0 342.2

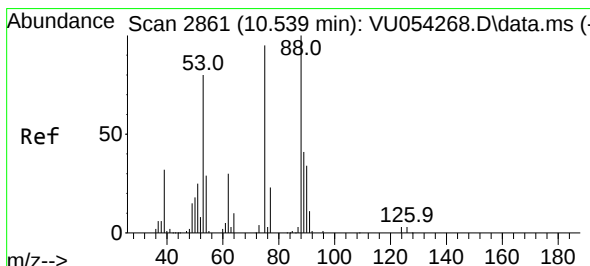
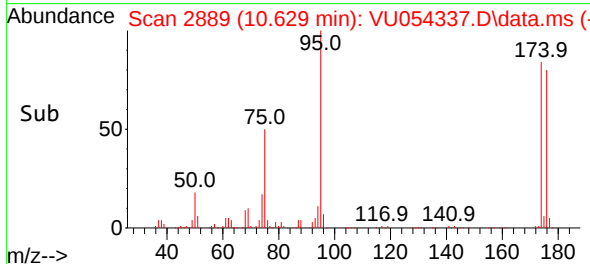
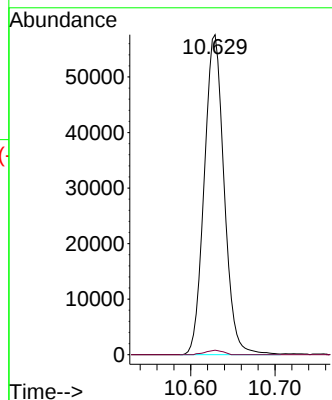
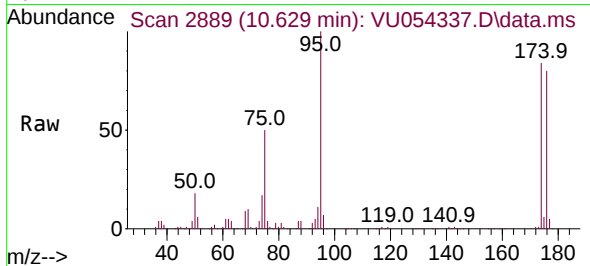




#76
1,2,3-Trichloropropane
Concen: 16.414 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. -0.190 min
Lab File: VU054337.D
Acq: 31 May 2023 15:01

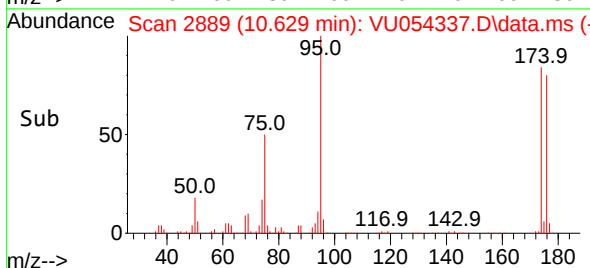
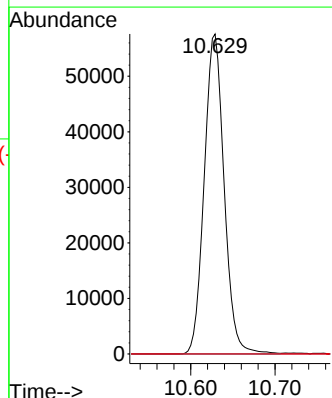
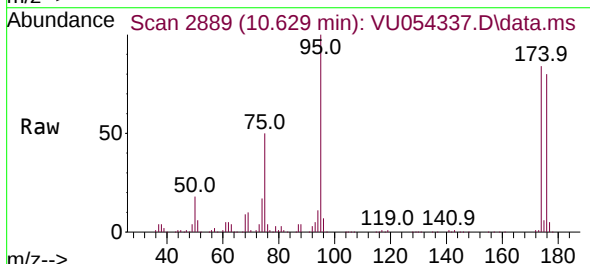
Instrument :
MSVOA_U
ClientSampleId :
PDB-BLANK-20230524

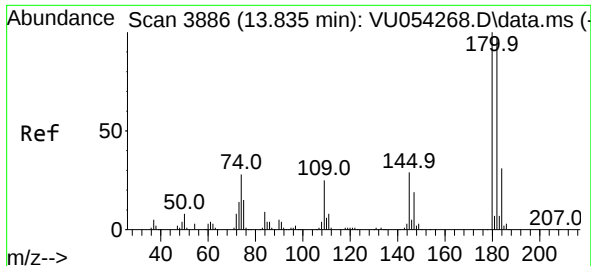
Tgt Ion: 75 Resp: 94703
Ion Ratio Lower Upper
75 100
77 1.2 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.505 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. 0.090 min
Lab File: VU054337.D
Acq: 31 May 2023 15:01

Tgt Ion: 75 Resp: 94703
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#

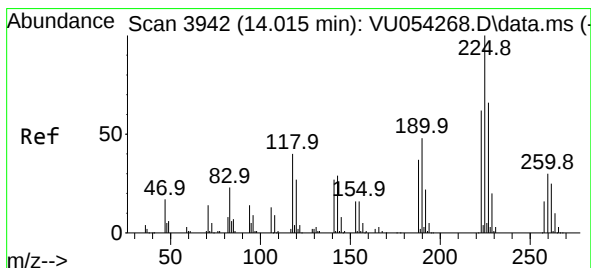
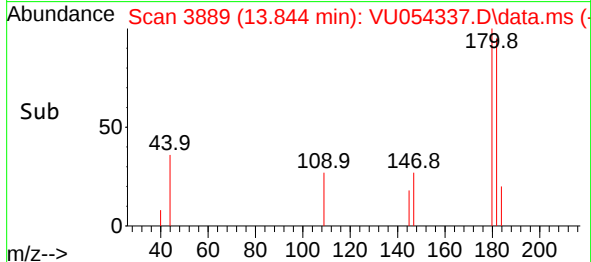
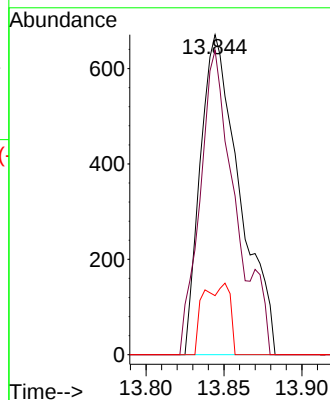
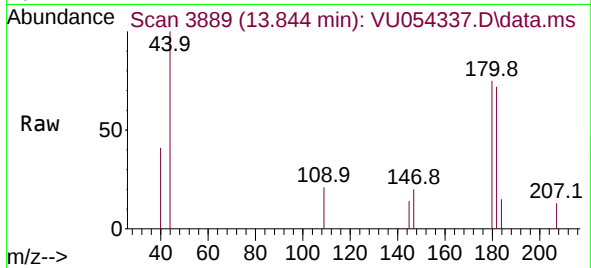




#93
1,2,4-Trichlorobenzene
Concen: 1.894 ug/l
RT: 13.844 min Scan# 3889
Delta R.T. 0.009 min
Lab File: VU054337.D
Acq: 31 May 2023 15:01

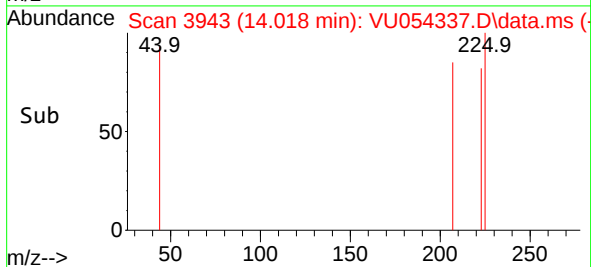
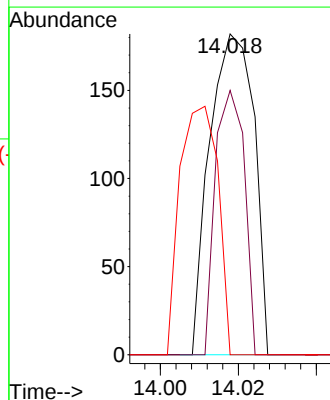
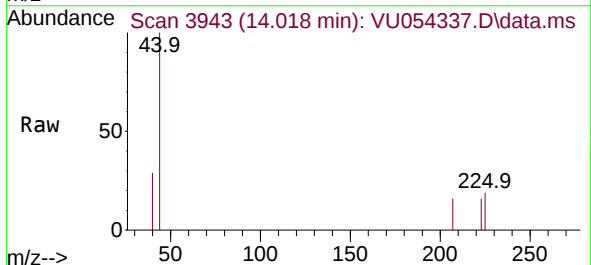
Instrument :
MSVOA_U
ClientSampleId :
PDB-BLANK-20230524

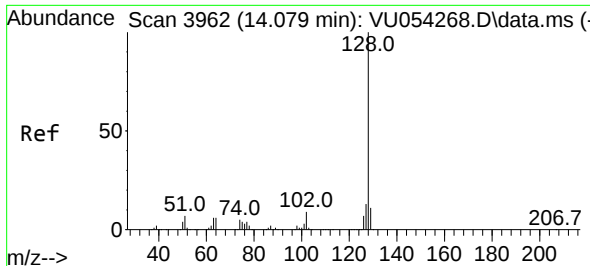
Tgt Ion:180 Resp: 1177
Ion Ratio Lower Upper
180 100
182 78.2 47.9 143.6
145 15.1 14.0 41.9



#94
Hexachlorobutadiene
Concen: 0.888 ug/l
RT: 14.018 min Scan# 3943
Delta R.T. 0.003 min
Lab File: VU054337.D
Acq: 31 May 2023 15:01

Tgt Ion:225 Resp: 144
Ion Ratio Lower Upper
225 100
223 54.2 31.3 93.9
227 66.7 32.0 96.2

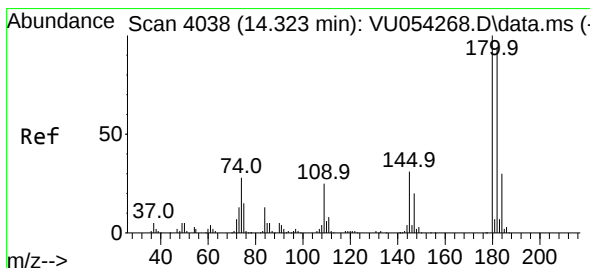
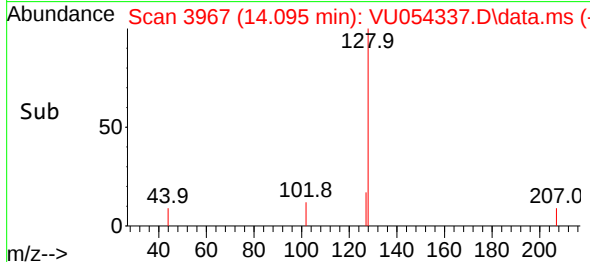
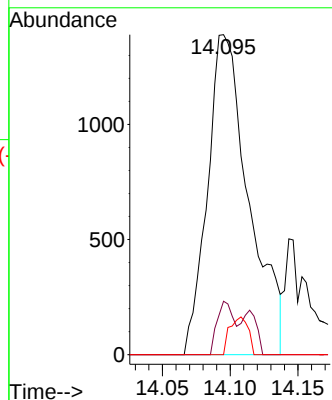
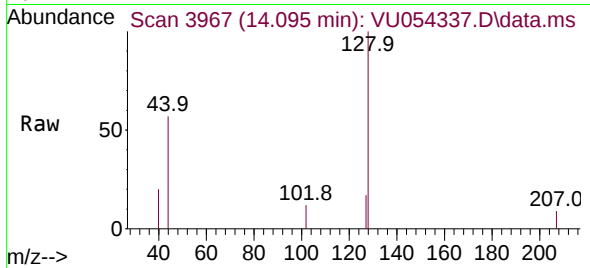




#95
Naphthalene
Concen: 2.185 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.016 min
Lab File: VU054337.D
Acq: 31 May 2023 15:01

Instrument :
MSVOA_U
ClientSampleId :
PDB-BLANK-20230524

Tgt Ion:128 Resp: 2947
Ion Ratio Lower Upper
128 100
127 6.7 10.3 15.5#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.463 ug/l
RT: 14.336 min Scan# 4042
Delta R.T. 0.013 min
Lab File: VU054337.D
Acq: 31 May 2023 15:01

Tgt Ion:180 Resp: 962
Ion Ratio Lower Upper
180 100
182 108.3 48.4 145.0
145 20.9 14.8 44.4

