

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052623\
 Data File : VU054287.D
 Acq On : 26 May 2023 15:50
 Operator : JC/MD
 Sample : 02936-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TB-03-20230523

Quant Time: May 30 00:02:47 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)

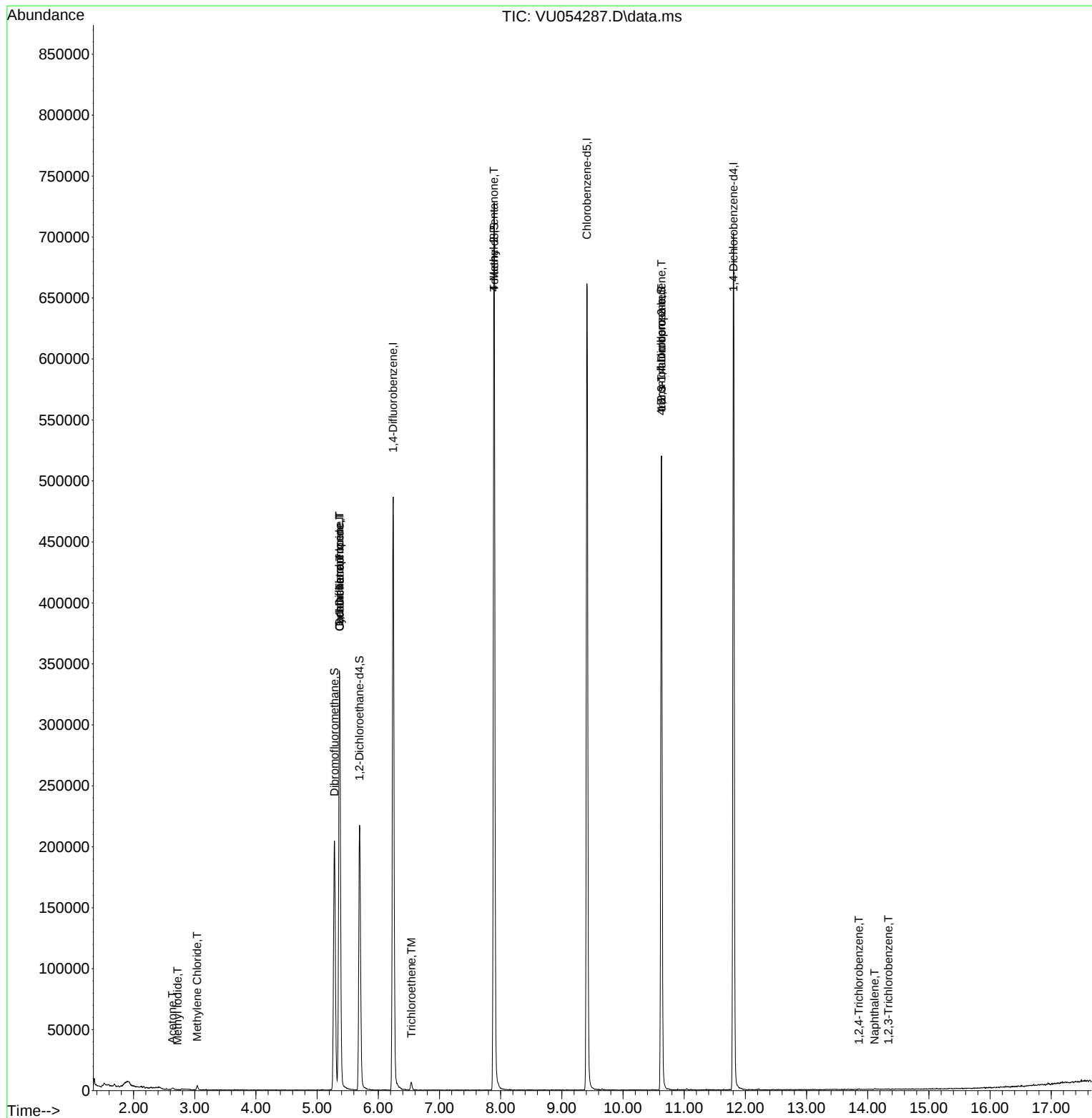
Internal Standards						
1) Pentafluorobenzene	5.366	168	251735	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	400793	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.410	117	376064	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	194225	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.694	65	165425	50.129	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.260%			
35) Dibromofluoromethane	5.282	113	135956	52.675	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.360%			
50) Toluene-d8	7.893	98	494427	50.363	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.720%			
62) 4-Bromofluorobenzene	10.626	95	176875	46.465	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.940%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.716	142	66	2.351	ug/l #	43
16) Acetone	2.636	43	2406	1.272	ug/l #	86
20) Methylene Chloride	3.038	84	1708	0.501	ug/l #	83
31) Cyclohexane	5.369	56	4526	0.971	ug/l #	1
36) 1,1-Dichloropropene	5.366	75	19661	4.850	ug/l #	49
38) Carbon Tetrachloride	5.369	117	24632	5.936	ug/l #	16
44) Trichloroethene	6.539	130	2243	0.694	ug/l	76
51) 4-Methyl-2-Pentanone	7.890	43	2052	0.451	ug/l #	1
76) 1,2,3-Trichloropropane	10.629	75	89443	15.779	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.629	75	89443	60.084	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.854	180	155	1.677	ug/l #	87
95) Naphthalene	14.111	128	790	2.044	ug/l #	76
96) 1,2,3-Trichlorobenzene	14.339	180	72	1.271	ug/l #	1

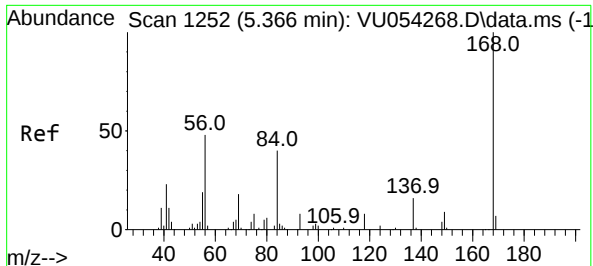
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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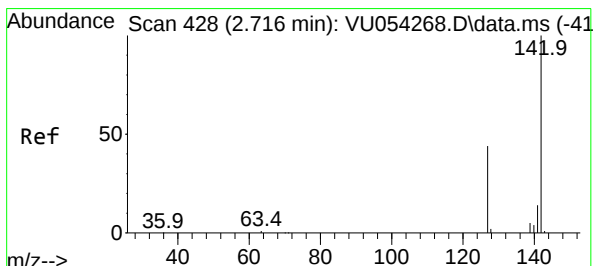
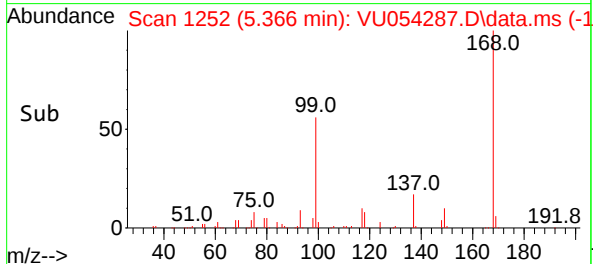
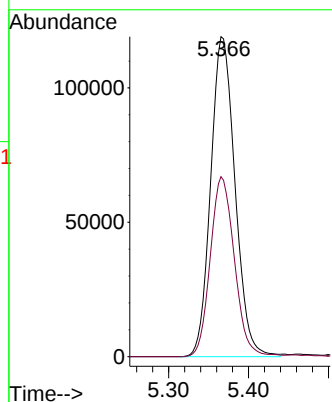
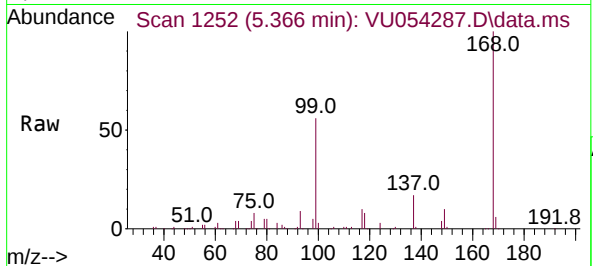




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.366 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU054287.D
Acq: 26 May 2023 15:50

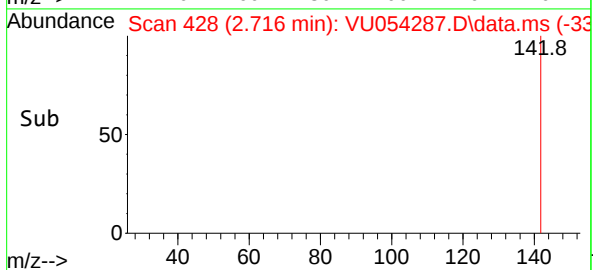
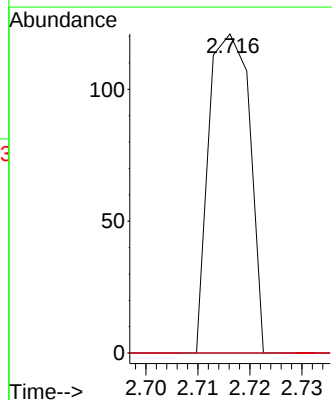
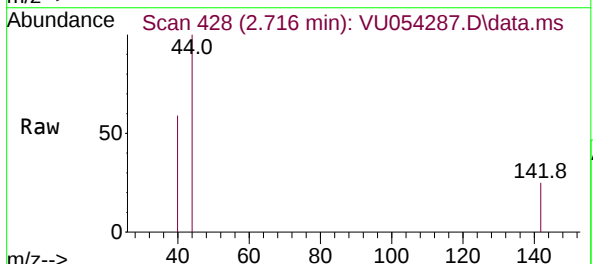
Instrument :
MSVOA_U
ClientSampleId :
TB-03-20230523

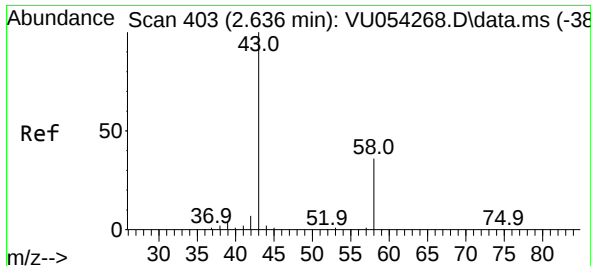
Tgt Ion:168 Resp: 251735
Ion Ratio Lower Upper
168 100
99 56.3 39.3 58.9



#10
Methyl Iodide
Concen: 2.351 ug/l
RT: 2.716 min Scan# 428
Delta R.T. 0.000 min
Lab File: VU054287.D
Acq: 26 May 2023 15:50

Tgt Ion:142 Resp: 66
Ion Ratio Lower Upper
142 100
127 0.0 32.5 48.7#
141 0.0 11.4 17.0#





#16

Acetone

Concen: 1.272 ug/l

RT: 2.636 min Scan# 403

Delta R.T. -0.000 min

Lab File: VU054287.D

Acq: 26 May 2023 15:50

Instrument :

MSVOA_U

ClientSampleId :

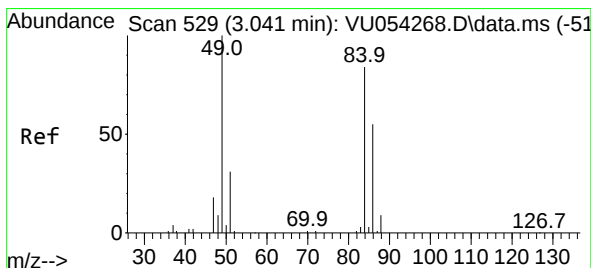
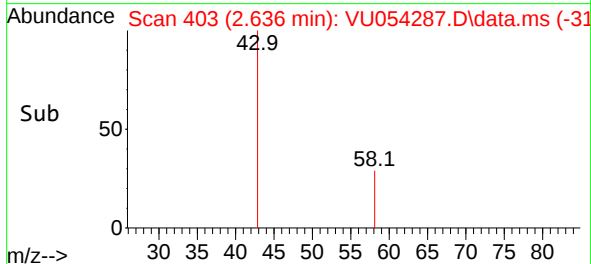
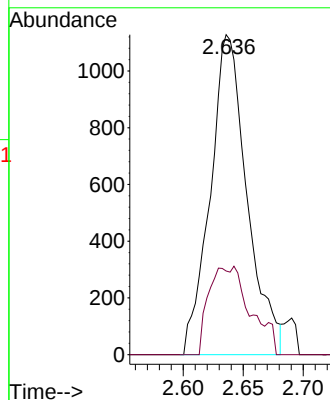
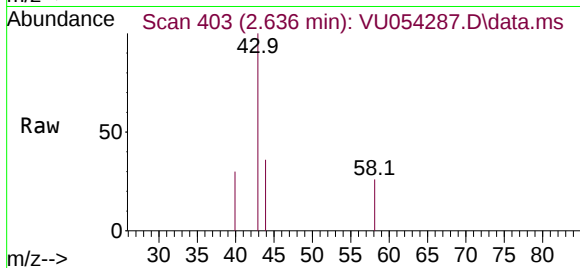
TB-03-20230523

Tgt Ion: 43 Resp: 2406

Ion Ratio Lower Upper

43 100

58 26.2 27.5 41.3#



#20

Methylene Chloride

Concen: 0.501 ug/l

RT: 3.038 min Scan# 528

Delta R.T. -0.003 min

Lab File: VU054287.D

Acq: 26 May 2023 15:50

Tgt Ion: 84 Resp: 1708

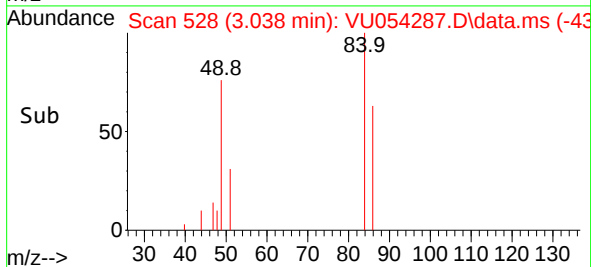
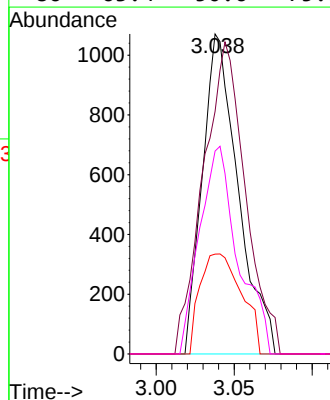
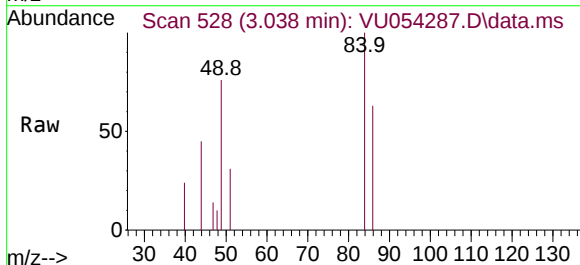
Ion Ratio Lower Upper

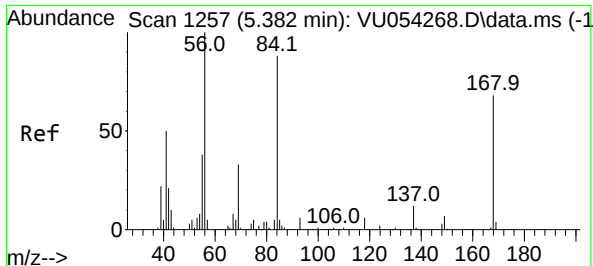
84 100

49 75.8 86.6 129.8#

51 31.2 26.6 40.0

86 63.4 50.6 75.8





#31

Cyclohexane

Concen: 0.971 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.013 min

Lab File: VU054287.D

Acq: 26 May 2023 15:50

Instrument :

MSVOA_U

ClientSampleId :

TB-03-20230523

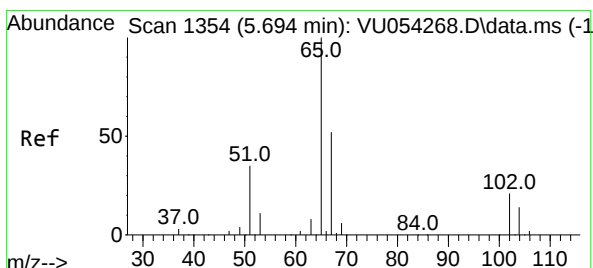
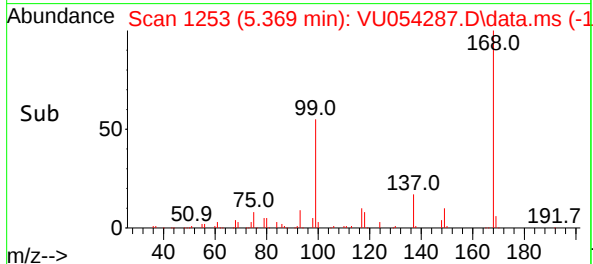
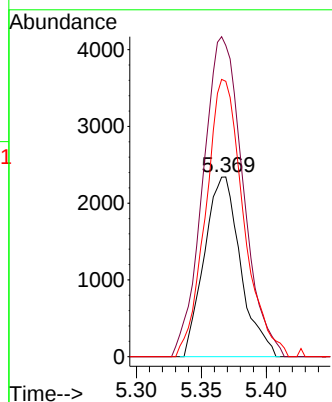
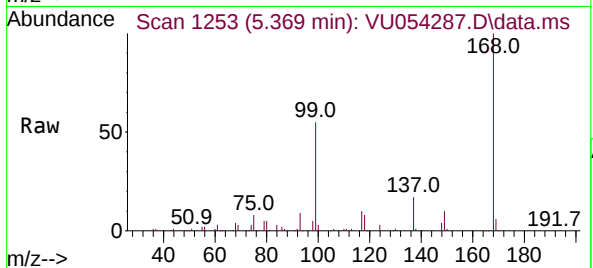
Tgt Ion: 56 Resp: 4526

Ion Ratio Lower Upper

56 100

69 168.5 27.8 41.8#

84 147.4 74.2 111.4#



#33

1,2-Dichloroethane-d4

Concen: 50.129 ug/l

RT: 5.694 min Scan# 1354

Delta R.T. -0.000 min

Lab File: VU054287.D

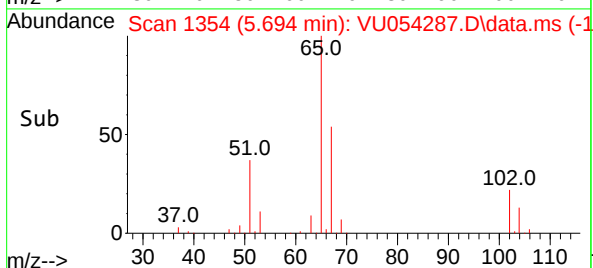
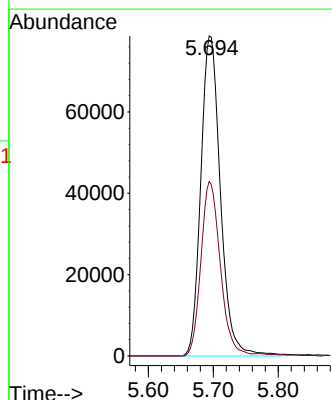
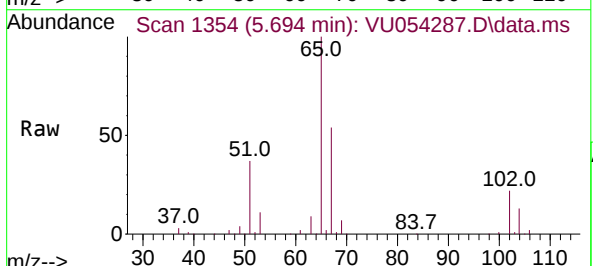
Acq: 26 May 2023 15:50

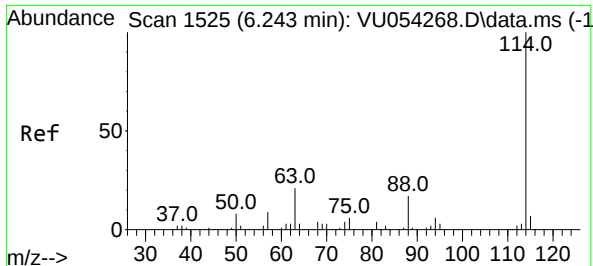
Tgt Ion: 65 Resp: 165425

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# 1

Delta R.T. 0.000 min

Lab File: VU054287.D

Acq: 26 May 2023 15:50

Instrument :

MSVOA_U

ClientSampleId :

TB-03-20230523

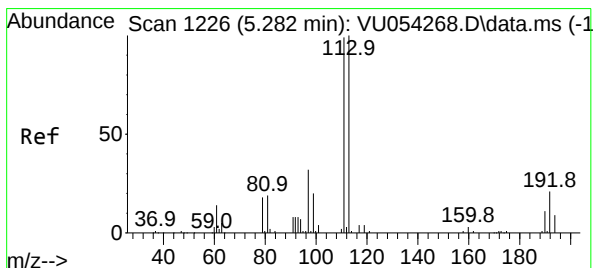
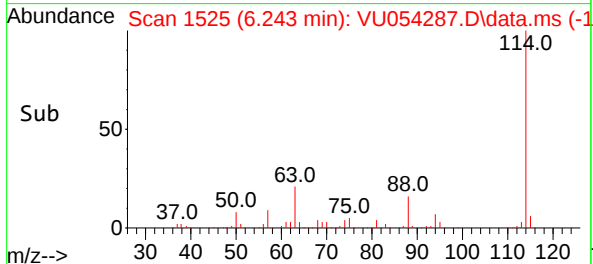
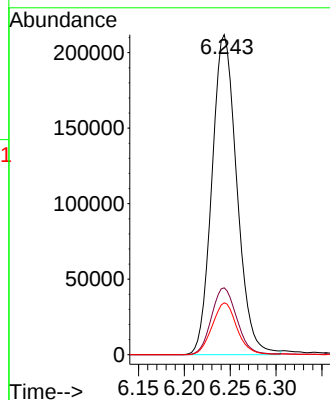
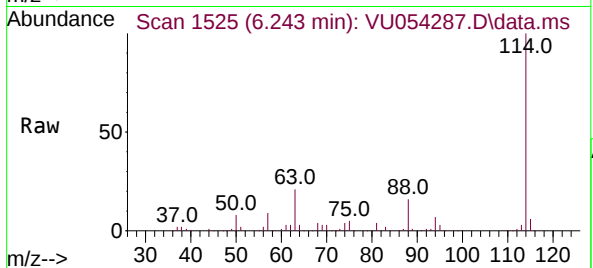
Tgt Ion:114 Resp: 400793

Ion Ratio Lower Upper

114 100

63 20.9 0.0 37.8

88 16.2 0.0 29.2



#35

Dibromofluoromethane

Concen: 52.675 ug/l

RT: 5.282 min Scan# 1226

Delta R.T. -0.000 min

Lab File: VU054287.D

Acq: 26 May 2023 15:50

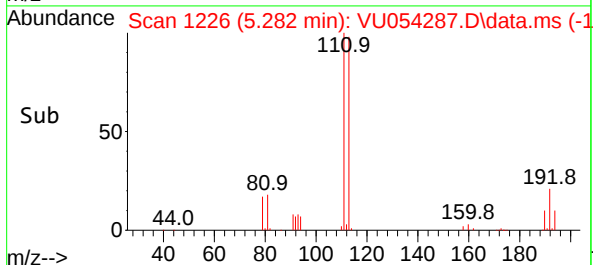
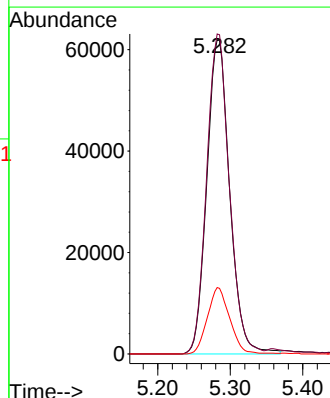
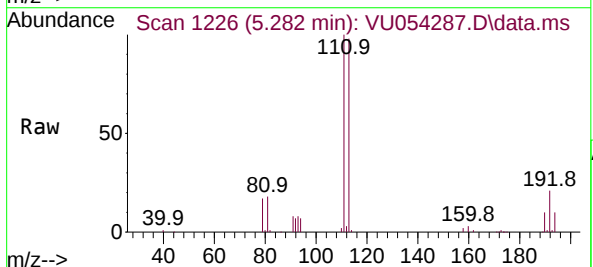
Tgt Ion:113 Resp: 135956

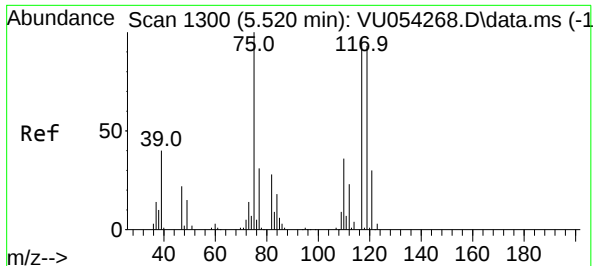
Ion Ratio Lower Upper

113 100

111 101.1 82.1 123.1

192 20.5 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.850 ug/l

RT: 5.366 min Scan# 11

Delta R.T. -0.154 min

Lab File: VU054287.D

Acq: 26 May 2023 15:50

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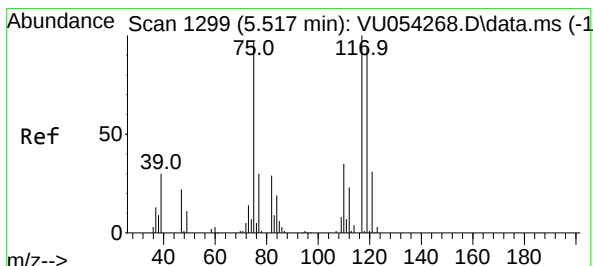
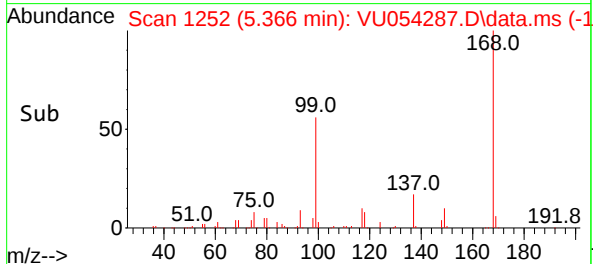
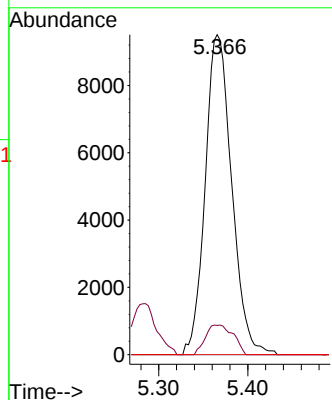
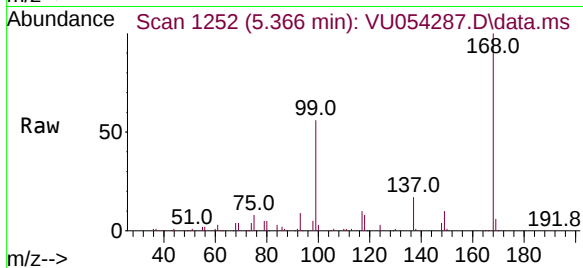
Tgt Ion: 75 Resp: 19661

Ion Ratio Lower Upper

75 100

110 9.7 18.4 55.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.936 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.148 min

Lab File: VU054287.D

Acq: 26 May 2023 15:50

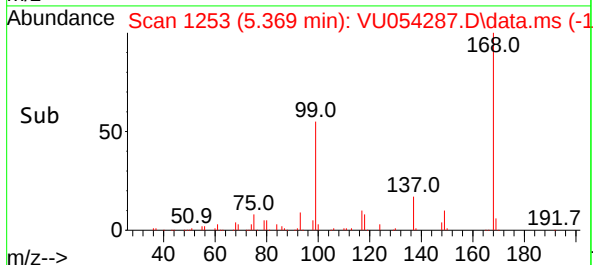
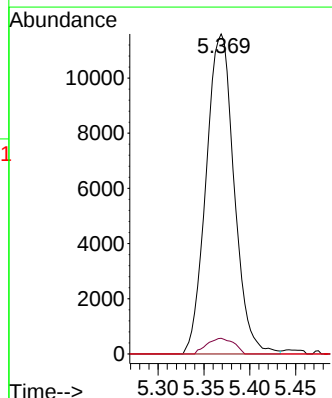
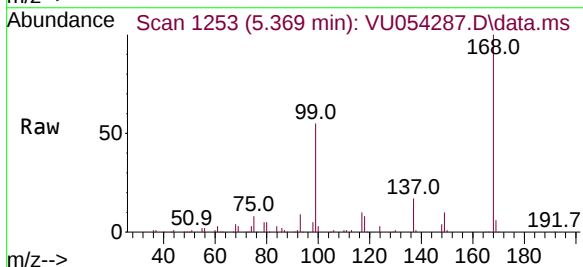
Tgt Ion: 117 Resp: 24632

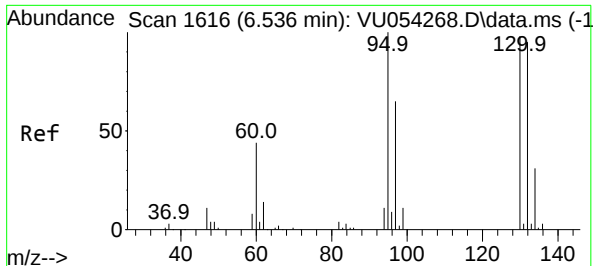
Ion Ratio Lower Upper

117 100

119 4.9 76.8 115.2#

121 0.0 24.7 37.1#

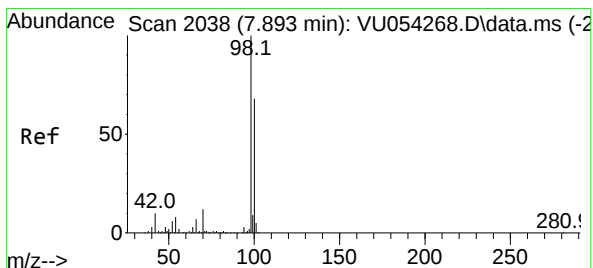
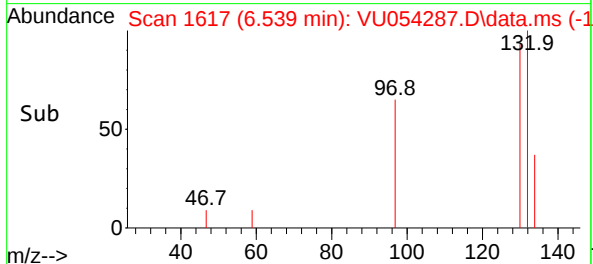
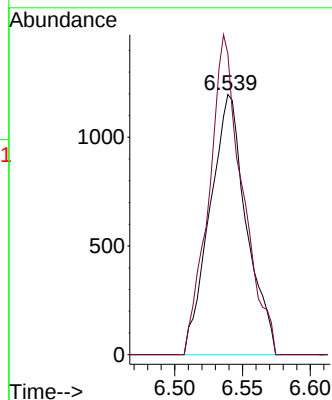
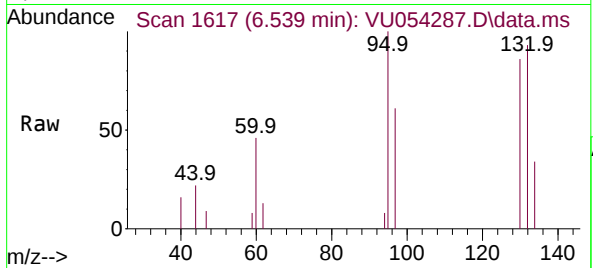




#44
Trichloroethene
Concen: 0.694 ug/l
RT: 6.539 min Scan# 1617
Delta R.T. 0.003 min
Lab File: VU054287.D
Acq: 26 May 2023 15:50

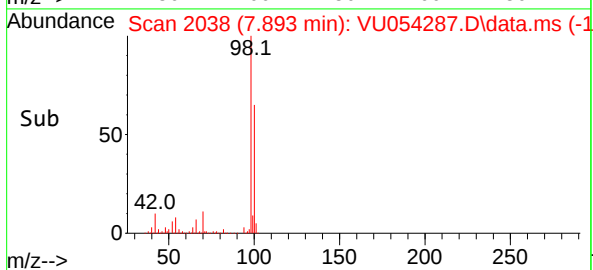
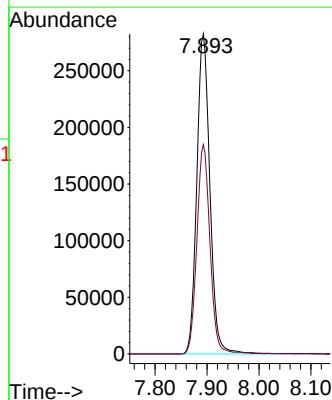
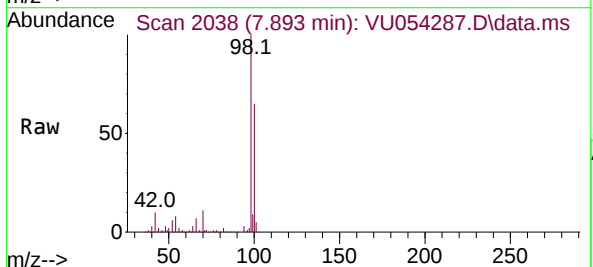
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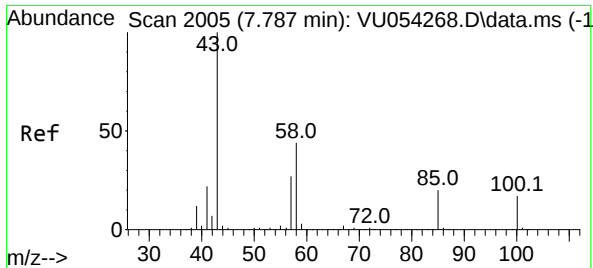
Tgt Ion:130 Resp: 2243
Ion Ratio Lower Upper
130 100
95 115.6 0.0 184.6



#50
Toluene-d8
Concen: 50.363 ug/l
RT: 7.893 min Scan# 2038
Delta R.T. -0.000 min
Lab File: VU054287.D
Acq: 26 May 2023 15:50

Tgt Ion: 98 Resp: 494427
Ion Ratio Lower Upper
98 100
100 65.6 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 0.451 ug/l

RT: 7.890 min Scan# 2005

Delta R.T. 0.103 min

Lab File: VU054287.D

Acq: 26 May 2023 15:50

Instrument :

MSVOA_U

ClientSampleId :

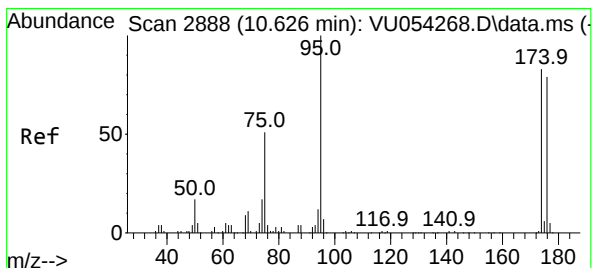
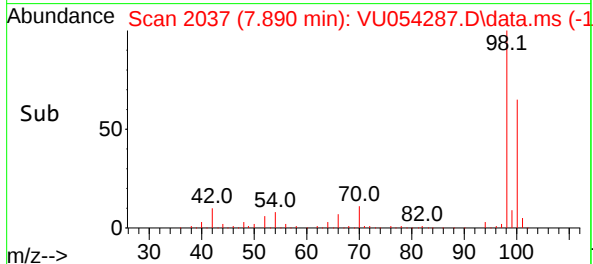
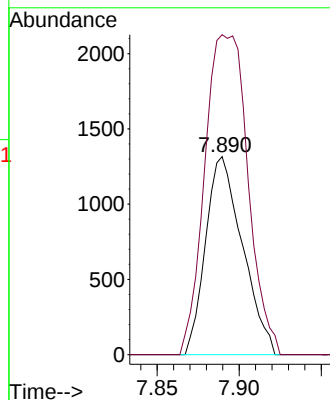
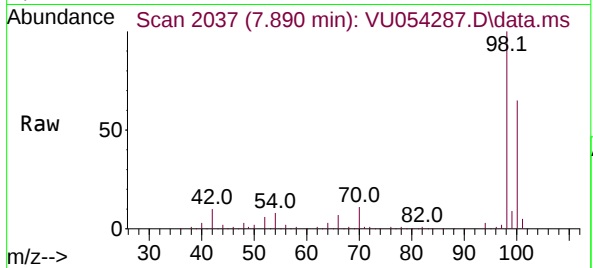
TB-03-20230523

Tgt Ion: 43 Resp: 2052

Ion Ratio Lower Upper

43 100

58 189.2 34.7 52.1#



#62

4-Bromofluorobenzene

Concen: 46.465 ug/l

RT: 10.626 min Scan# 2888

Delta R.T. -0.000 min

Lab File: VU054287.D

Acq: 26 May 2023 15:50

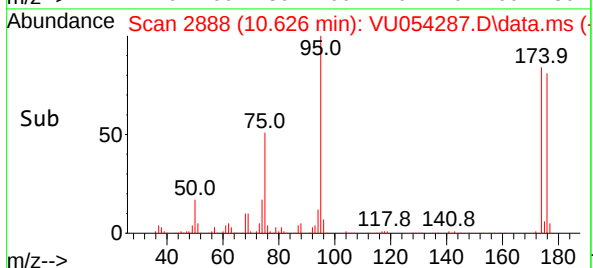
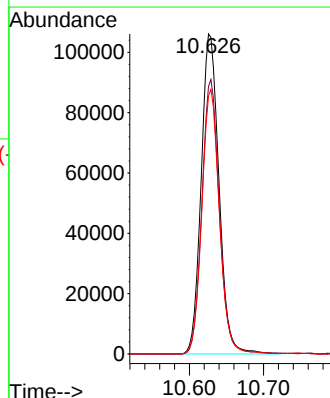
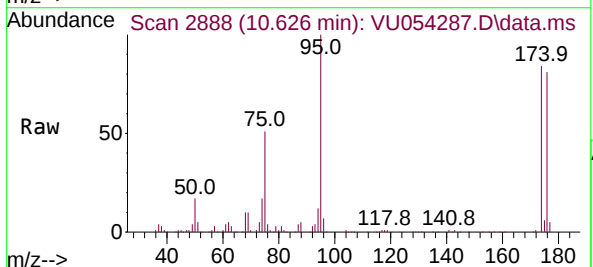
Tgt Ion: 95 Resp: 176875

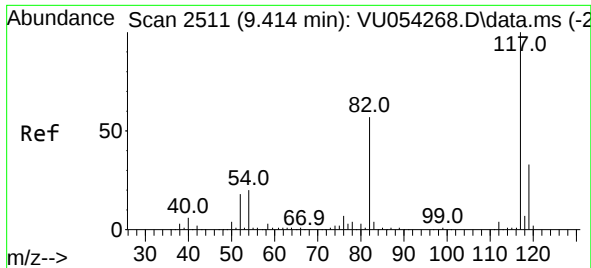
Ion Ratio Lower Upper

95 100

174 84.2 0.0 182.0

176 81.4 0.0 177.8

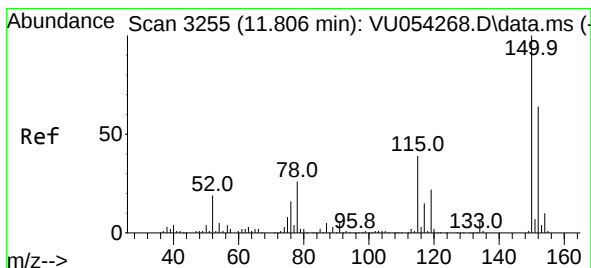
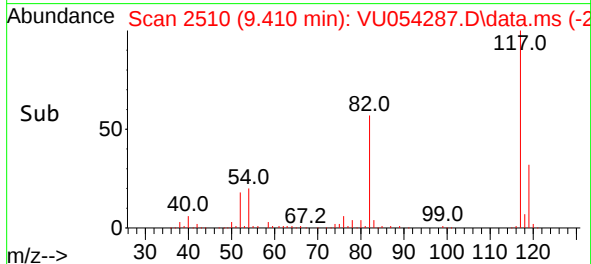
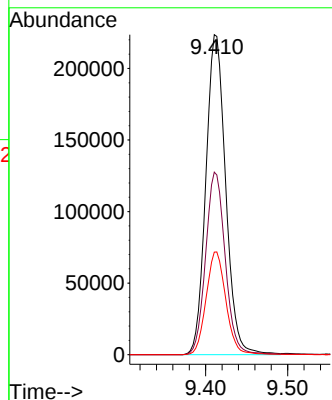
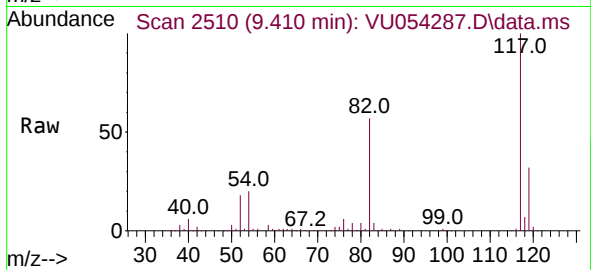




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.410 min Scan# 2511
Delta R.T. -0.004 min
Lab File: VU054287.D
Acq: 26 May 2023 15:50

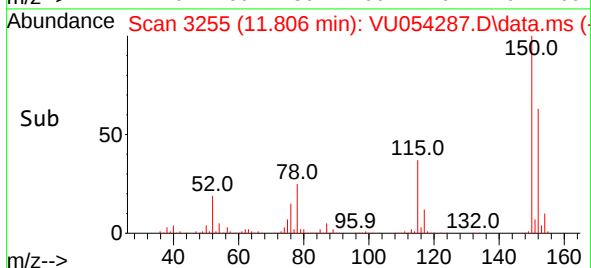
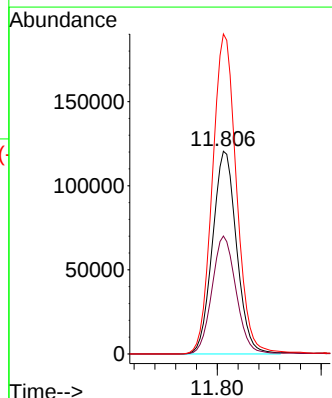
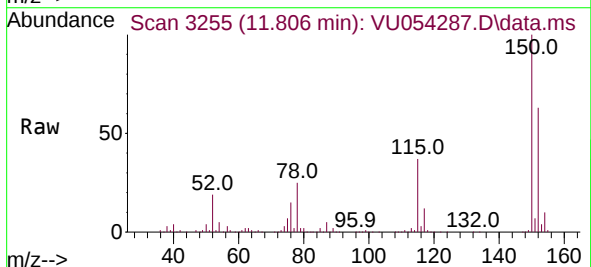
Instrument :
MSVOA_U
ClientSampleId :
TB-03-20230523

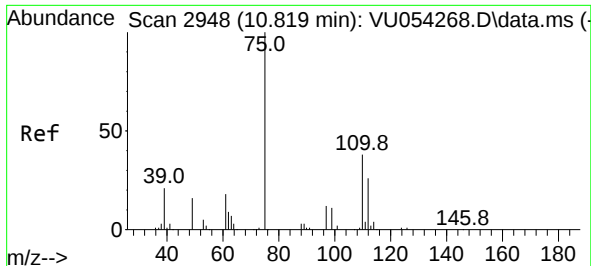
Tgt Ion:117 Resp: 376064
Ion Ratio Lower Upper
117 100
82 57.1 41.7 62.5
119 32.1 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.806 min Scan# 3255
Delta R.T. -0.000 min
Lab File: VU054287.D
Acq: 26 May 2023 15:50

Tgt Ion:152 Resp: 194225
Ion Ratio Lower Upper
152 100
115 58.5 37.0 110.9
150 158.2 0.0 342.2

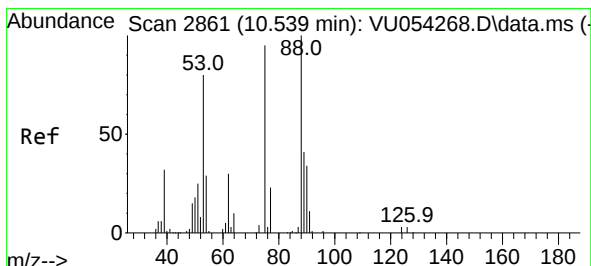
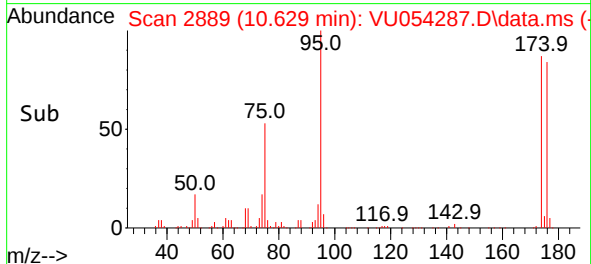
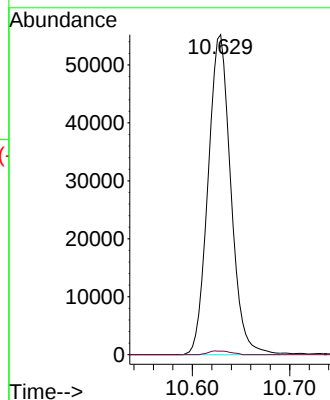
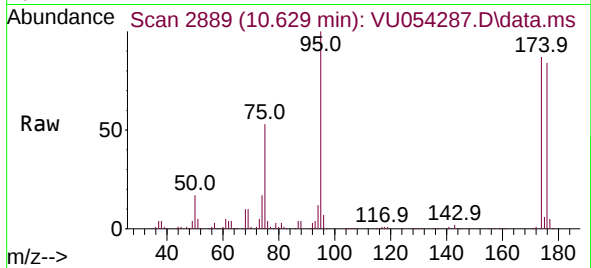




#76
1,2,3-Trichloropropane
Concen: 15.779 ug/l
RT: 10.629 min Scan# 21
Delta R.T. -0.190 min
Lab File: VU054287.D
Acq: 26 May 2023 15:50

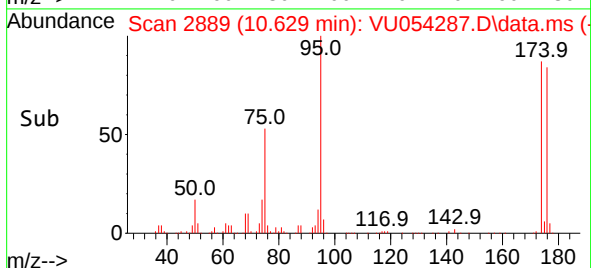
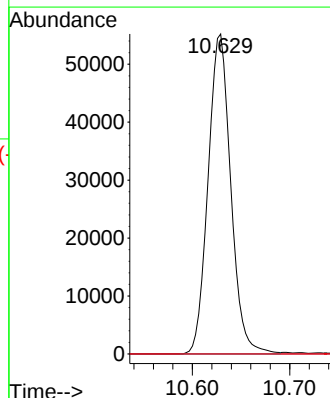
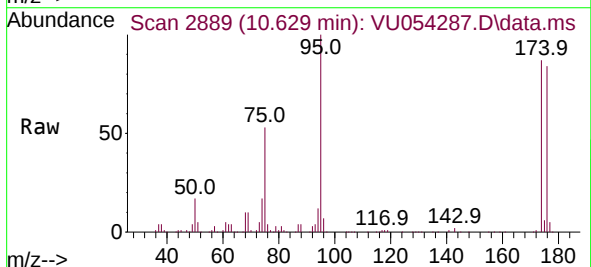
Instrument :
MSVOA_U
ClientSampleId :
TB-03-20230523

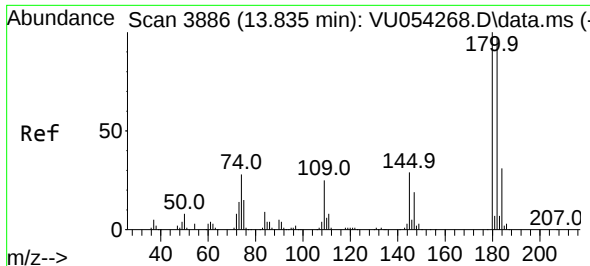
Tgt Ion: 75 Resp: 89443
Ion Ratio Lower Upper
75 100
77 1.1 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.084 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. 0.090 min
Lab File: VU054287.D
Acq: 26 May 2023 15:50

Tgt Ion: 75 Resp: 89443
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#

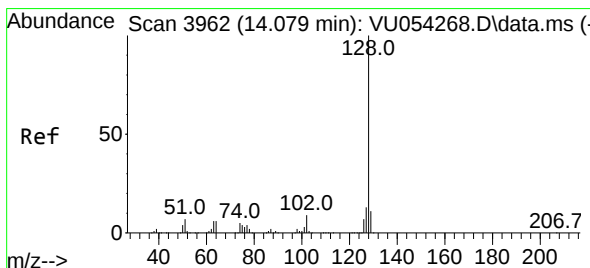
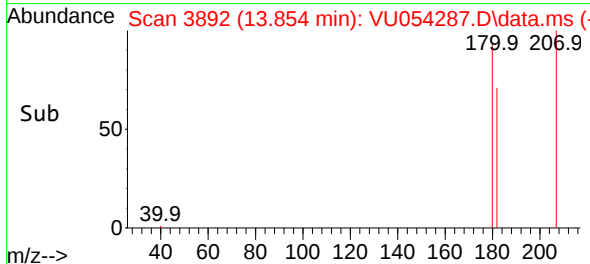
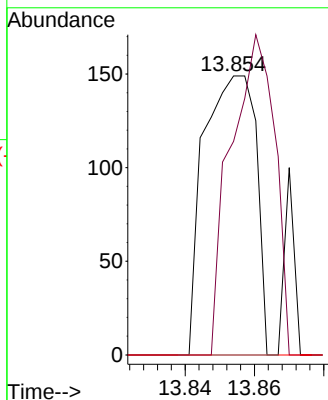
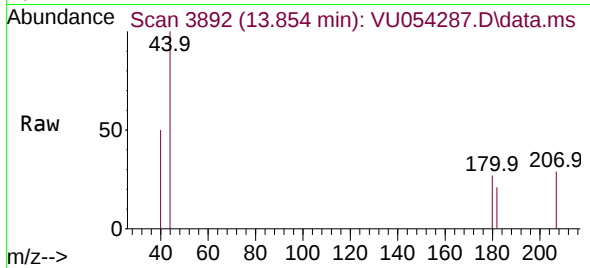




#93
 1,2,4-Trichlorobenzene
 Concen: 1.677 ug/l
 RT: 13.854 min Scan# 3892
 Delta R.T. 0.019 min
 Lab File: VU054287.D
 Acq: 26 May 2023 15:50

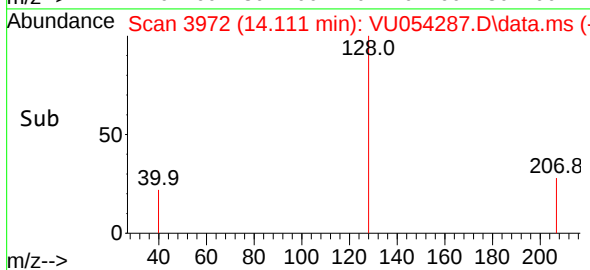
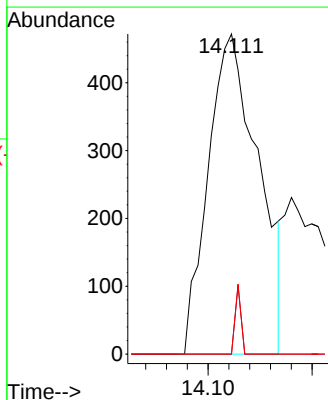
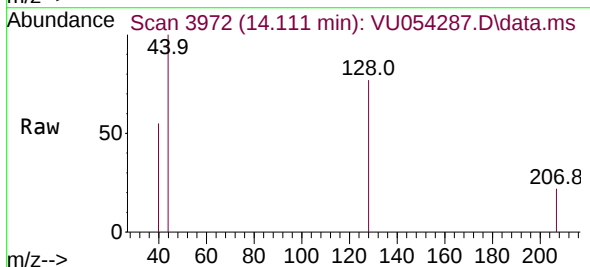
Instrument :
 MSVOA_U
 ClientSampleId :
 TB-03-20230523

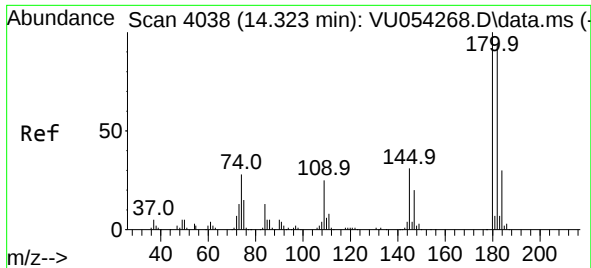
Tgt Ion:	180	Resp:	155
Ion Ratio	Lower	Upper	
180	100		
182	97.4	47.9	143.6
145	0.0	14.0	41.9#



#95
 Naphthalene
 Concen: 2.044 ug/l
 RT: 14.111 min Scan# 3972
 Delta R.T. 0.032 min
 Lab File: VU054287.D
 Acq: 26 May 2023 15:50

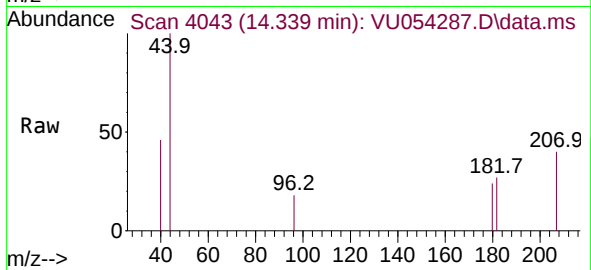
Tgt Ion:	128	Resp:	790
Ion Ratio	Lower	Upper	
128	100		
127	2.4	10.3	15.5#
129	2.5	8.6	13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.271 ug/l
 RT: 14.339 min Scan# 4038
 Delta R.T. 0.016 min
 Lab File: VU054287.D
 Acq: 26 May 2023 15:50

Instrument :
 MSVOA_U
 ClientSampleId :
 TB-03-20230523



Tgt Ion:180 Resp: 72
 Ion Ratio Lower Upper
 180 100
 182 312.5 48.4 145.0#
 145 0.0 14.8 44.4#

