

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053023\
 Data File : VU054325.D
 Acq On : 30 May 2023 19:43
 Operator : JC/MD
 Sample : 02912-13DL 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE103D2-20230523DL

Quant Time: May 31 06:31:29 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)

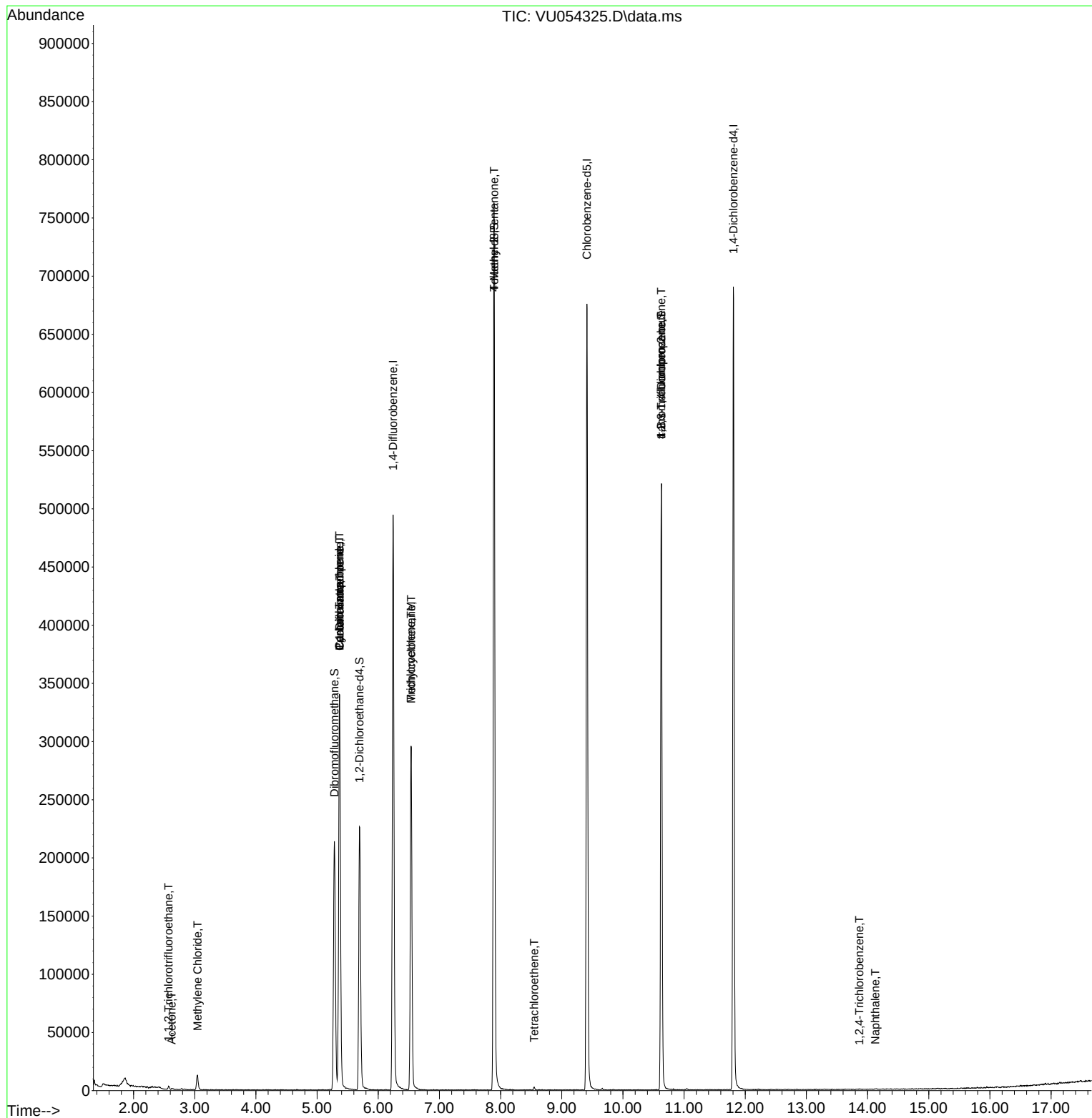
Internal Standards						
1) Pentafluorobenzene	5.369	168	246703	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	411189	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.410	117	388953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.809	152	186275	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.694	65	171508	53.032	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.060%	
35) Dibromofluoromethane	5.282	113	140156	52.930	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.860%	
50) Toluene-d8	7.893	98	510677	50.703	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.400%	
62) 4-Bromofluorobenzene	10.629	95	175701	44.990	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 89.980%	
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.571	101	1331	0.519	ug/l #	85
16) Acetone	2.623	43	1040	0.561	ug/l #	79
20) Methylene Chloride	3.044	84	6741	2.016	ug/l	96
31) Cyclohexane	5.369	56	5252	1.150	ug/l #	7
36) 1,1-Dichloropropene	5.366	75	19014	4.572	ug/l #	50
38) Carbon Tetrachloride	5.366	117	23425	5.503	ug/l #	17
39) Methylcyclohexane	6.539	83	1429	0.303	ug/l #	1
44) Trichloroethene	6.536	130	103216	31.124	ug/l	91
51) 4-Methyl-2-Pentanone	7.893	43	1990	0.427	ug/l #	1
64) Tetrachloroethene	8.549	164	633	0.216	ug/l	95
76) 1,2,3-Trichloropropane	10.629	75	88791	16.332	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.629	75	88791	62.192	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.867	180	87	1.663	ug/l #	12
95) Naphthalene	14.124	128	549	2.030	ug/l #	69

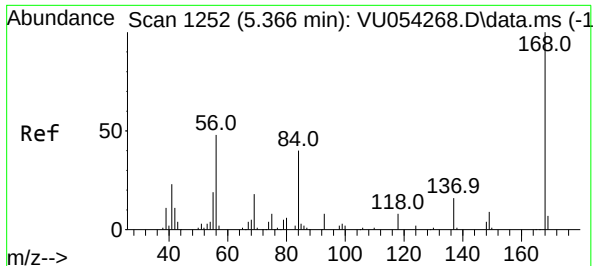
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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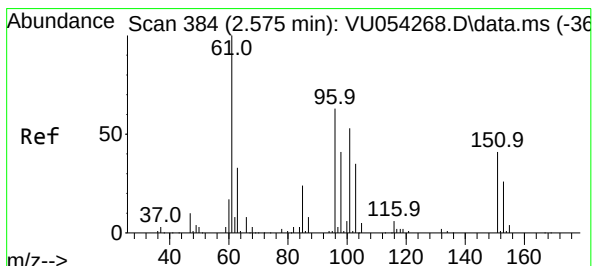
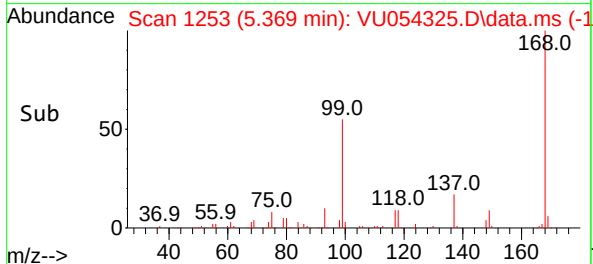
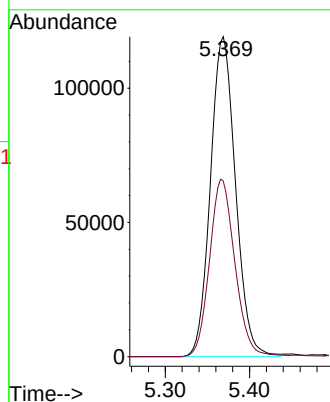
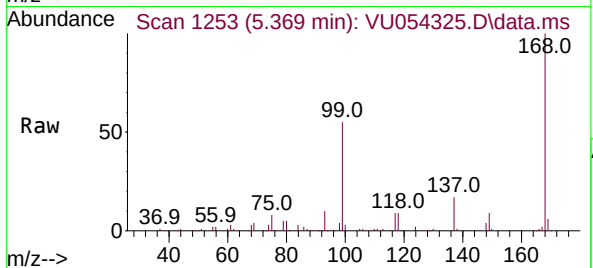




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054325.D
Acq: 30 May 2023 19:43

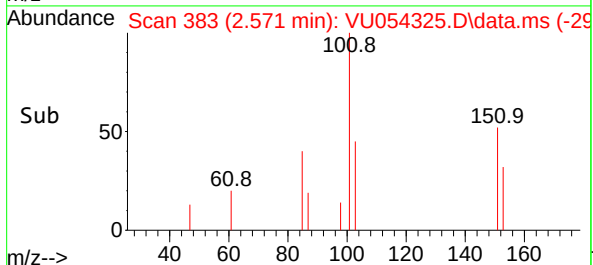
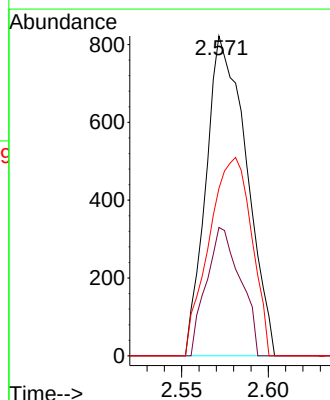
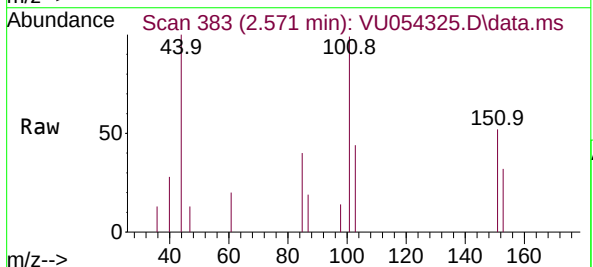
Instrument :
MSVOA_U
ClientSampleId :
RE103D2-20230523DL

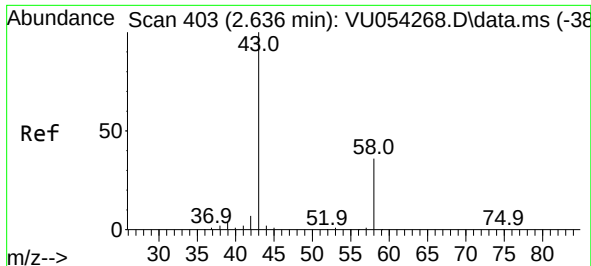
Tgt Ion:168 Resp: 246703
Ion Ratio Lower Upper
168 100
99 54.9 39.3 58.9



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.519 ug/l
RT: 2.571 min Scan# 383
Delta R.T. -0.004 min
Lab File: VU054325.D
Acq: 30 May 2023 19:43

Tgt Ion:101 Resp: 1331
Ion Ratio Lower Upper
101 100
85 33.9 33.9 50.9#
151 65.5 64.0 96.0





#16

Acetone

Concen: 0.561 ug/l

RT: 2.623 min Scan# 31

Delta R.T. -0.013 min

Lab File: VU054325.D

Acq: 30 May 2023 19:43

Instrument :

MSVOA_U

ClientSampleId :

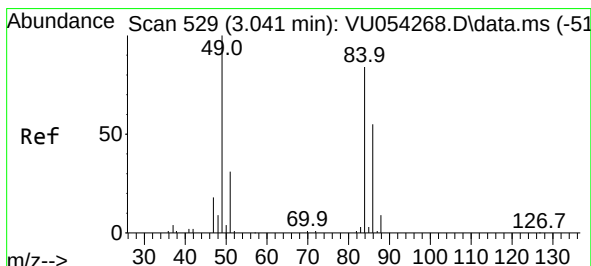
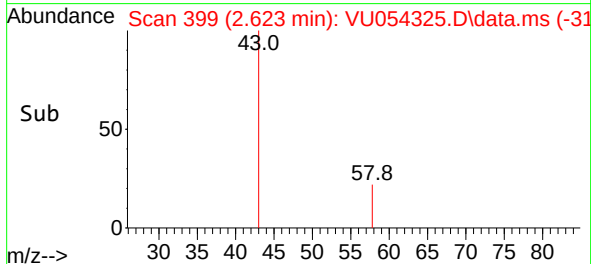
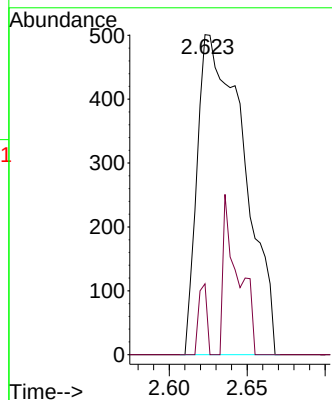
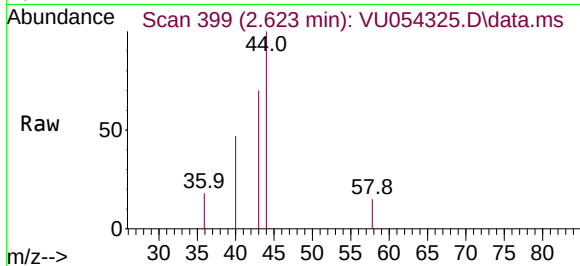
RE103D2-20230523DL

Tgt Ion: 43 Resp: 1040

Ion Ratio Lower Upper

43 100

58 22.2 27.5 41.3#



#20

Methylene Chloride

Concen: 2.016 ug/l

RT: 3.044 min Scan# 530

Delta R.T. 0.003 min

Lab File: VU054325.D

Acq: 30 May 2023 19:43

Tgt Ion: 84 Resp: 6741

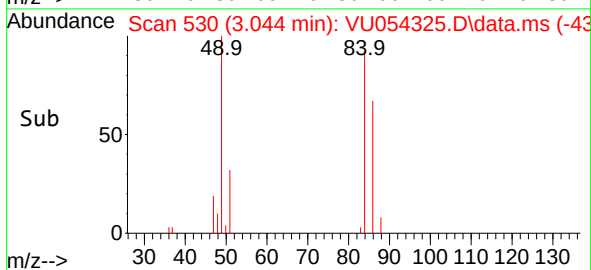
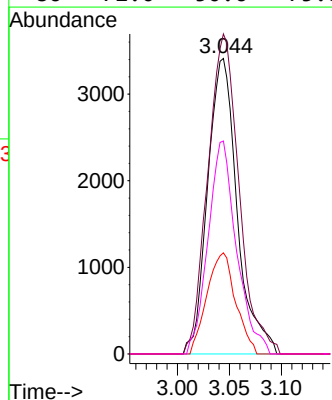
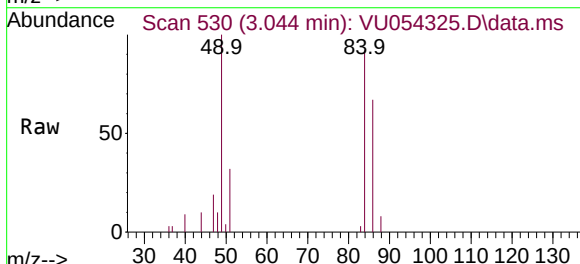
Ion Ratio Lower Upper

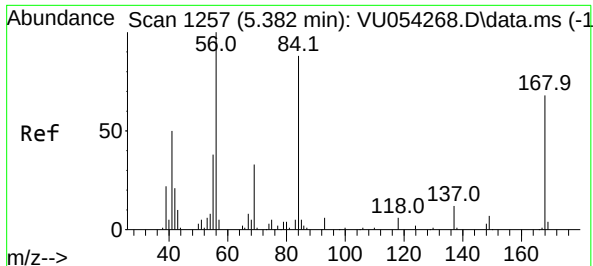
84 100

49 108.3 86.6 129.8

51 34.2 26.6 40.0

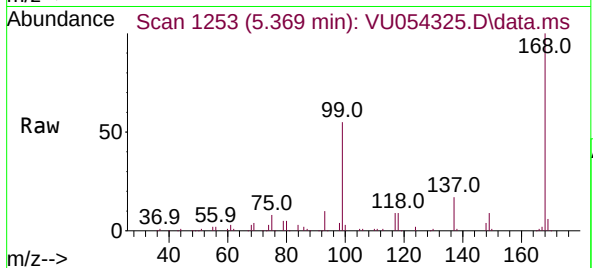
86 72.0 50.6 75.8



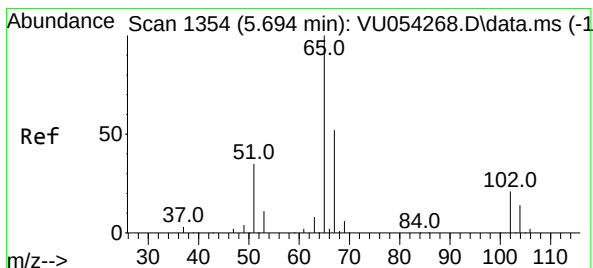
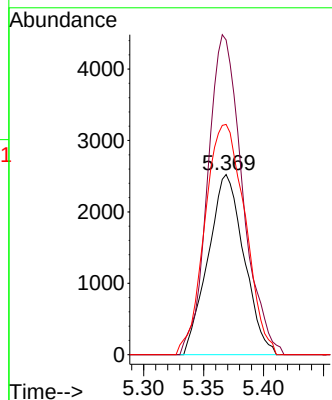
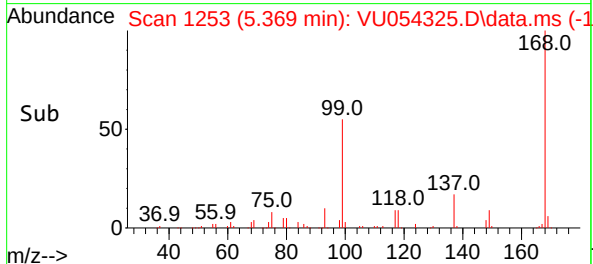


#31
Cyclohexane
Concen: 1.150 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.013 min
Lab File: VU054325.D
Acq: 30 May 2023 19:43

Instrument :
MSVOA_U
ClientSampleId :
RE103D2-20230523DL

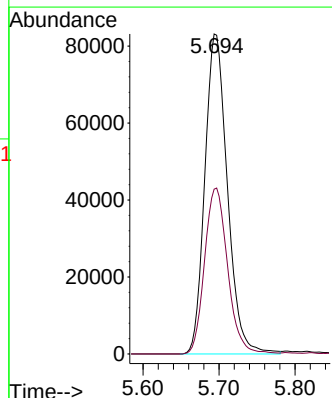
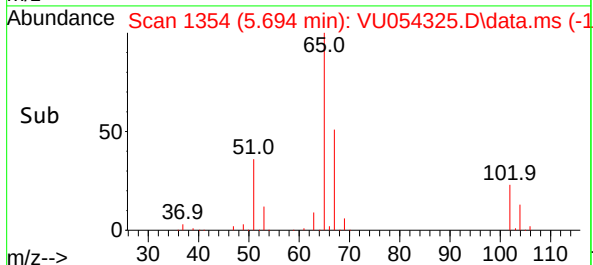
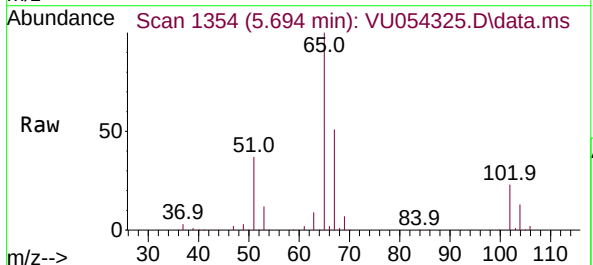


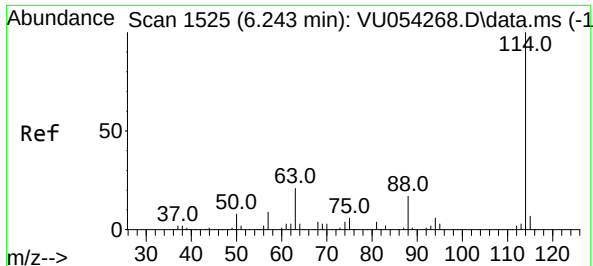
Tgt Ion: 56 Resp: 5252
Ion Ratio Lower Upper
56 100
69 174.8 27.8 41.8#
84 127.9 74.2 111.4#



#33
1,2-Dichloroethane-d4
Concen: 53.032 ug/l
RT: 5.694 min Scan# 1354
Delta R.T. -0.000 min
Lab File: VU054325.D
Acq: 30 May 2023 19:43

Tgt Ion: 65 Resp: 171508
Ion Ratio Lower Upper
65 100
67 53.0 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: VU054325.D

Acq: 30 May 2023 19:43

Instrument :

MSVOA_U

ClientSampleId :

RE103D2-20230523DL

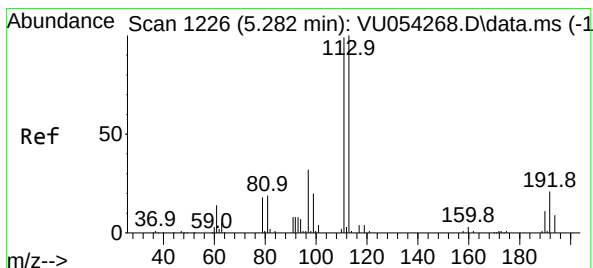
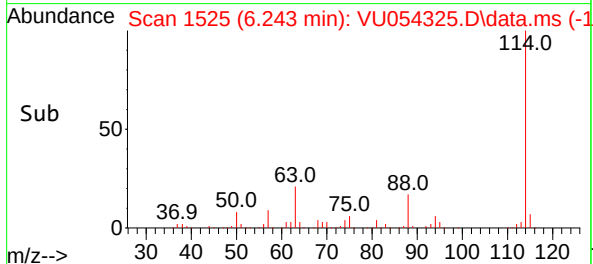
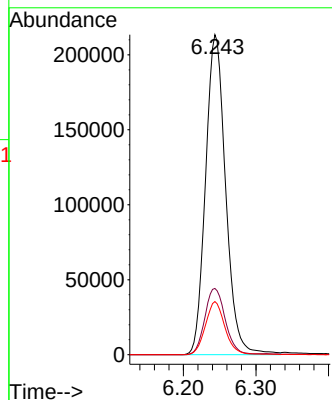
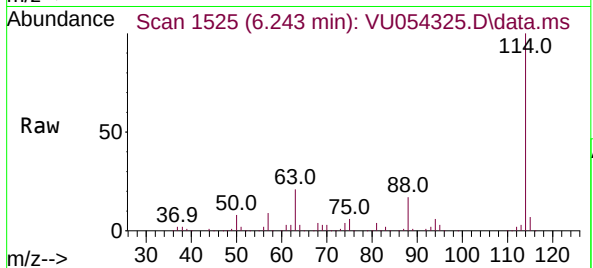
Tgt Ion:114 Resp: 411189

Ion Ratio Lower Upper

114 100

63 20.7 0.0 37.8

88 16.6 0.0 29.2



#35

Dibromofluoromethane

Concen: 52.930 ug/l

RT: 5.282 min Scan# 1226

Delta R.T. -0.000 min

Lab File: VU054325.D

Acq: 30 May 2023 19:43

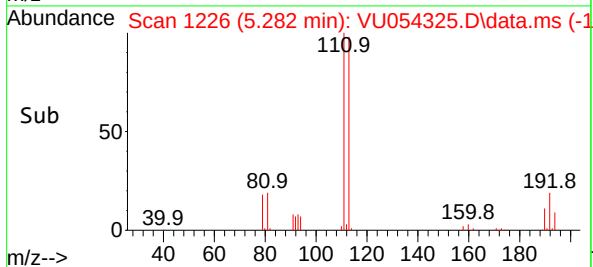
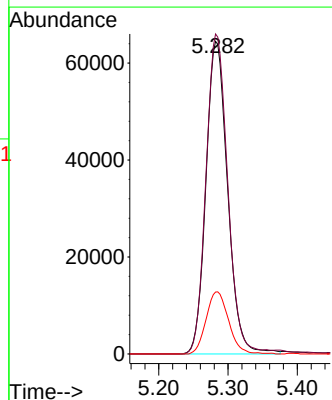
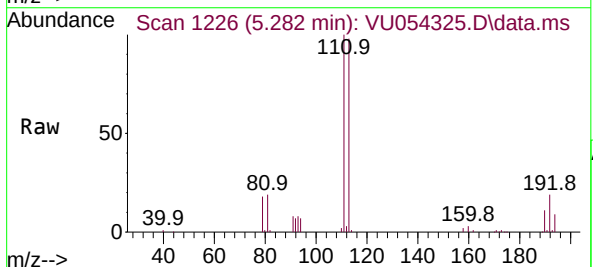
Tgt Ion:113 Resp: 140156

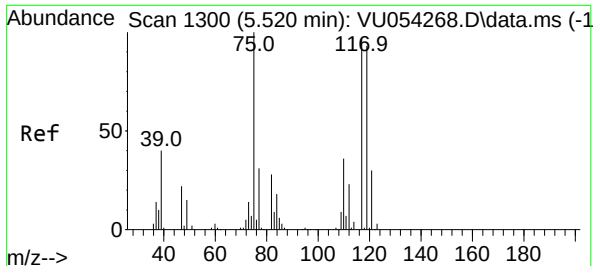
Ion Ratio Lower Upper

113 100

111 102.0 82.1 123.1

192 20.6 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.572 ug/l

RT: 5.366 min Scan# 11

Delta R.T. -0.154 min

Lab File: VU054325.D

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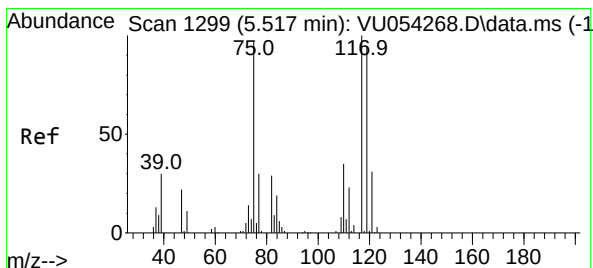
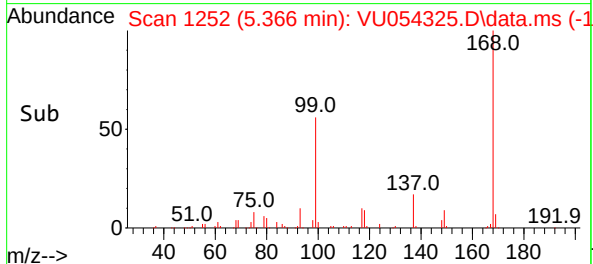
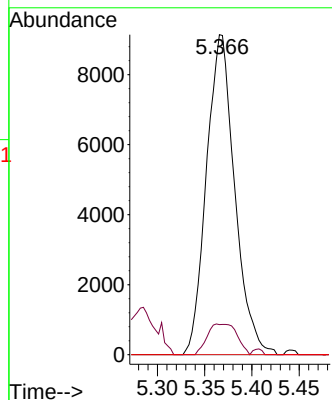
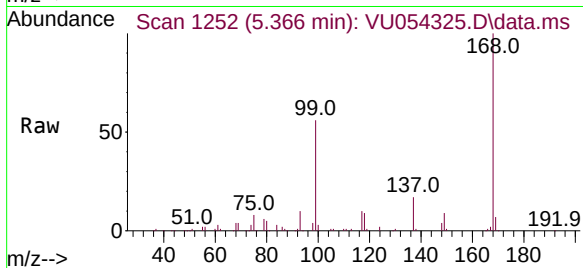
Tgt Ion: 75 Resp: 19014

Ion Ratio Lower Upper

75 100

110 10.0 18.4 55.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.503 ug/l

RT: 5.366 min Scan# 1252

Delta R.T. -0.151 min

Lab File: VU054325.D

Acq: 30 May 2023 19:43

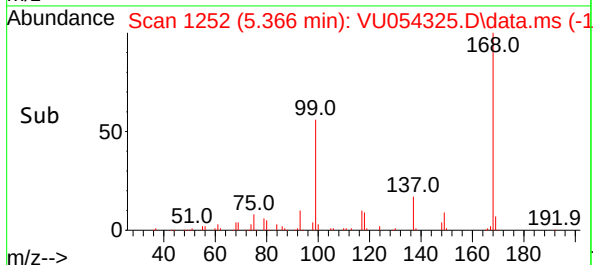
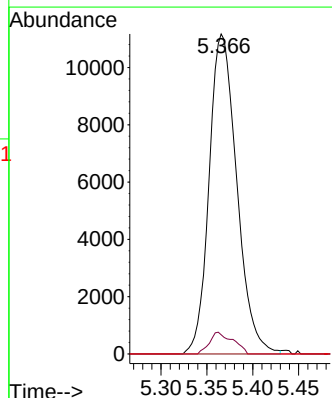
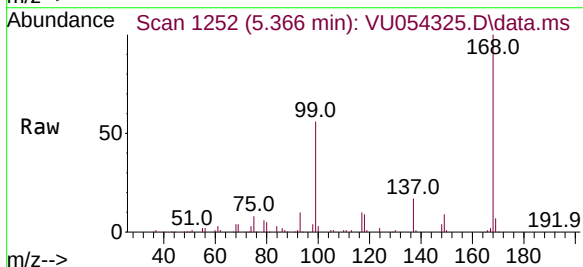
Tgt Ion: 117 Resp: 23425

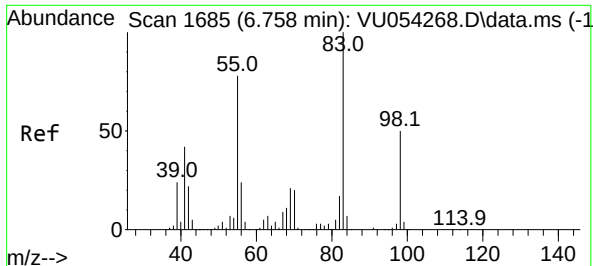
Ion Ratio Lower Upper

117 100

119 6.0 76.8 115.2#

121 0.0 24.7 37.1#





#39

Methylcyclohexane

Concen: 0.303 ug/l

RT: 6.539 min Scan# 1

Delta R.T. -0.219 min

Lab File: VU054325.D

Acq: 30 May 2023 19:43

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MSVOA_U

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RE103D2-20230523DL

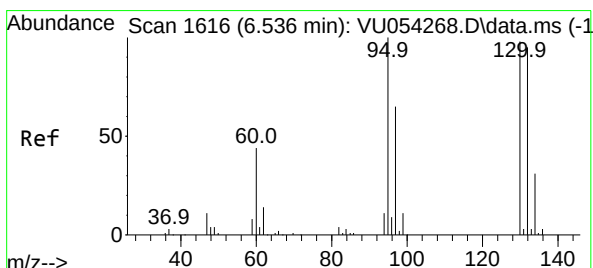
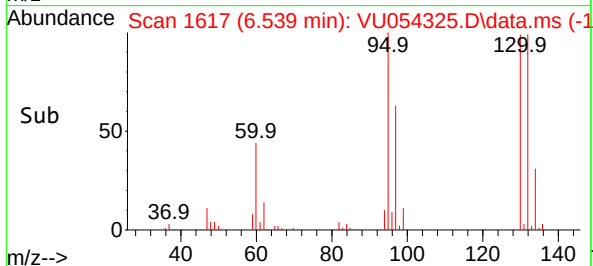
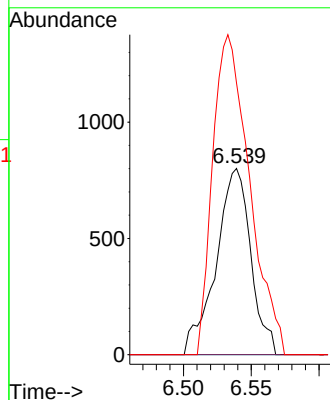
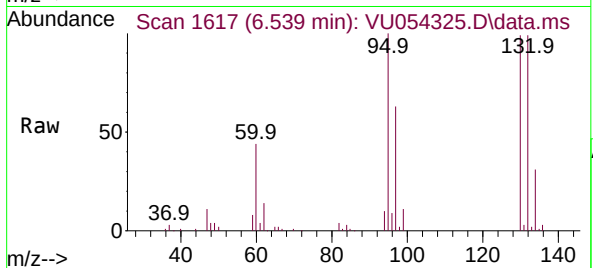
Tgt Ion: 83 Resp: 1429

Ion Ratio Lower Upper

83 100

55 0.0 55.3 82.9#

98 145.8 37.3 55.9#



#44

Trichloroethene

Concen: 31.124 ug/l

RT: 6.536 min Scan# 1616

Delta R.T. -0.000 min

Lab File: VU054325.D

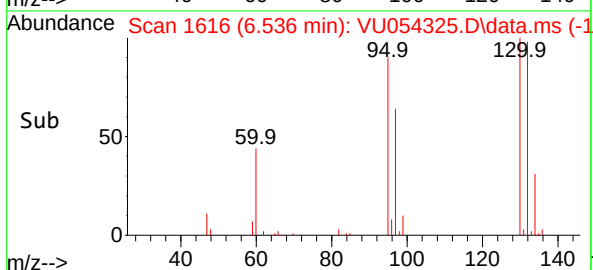
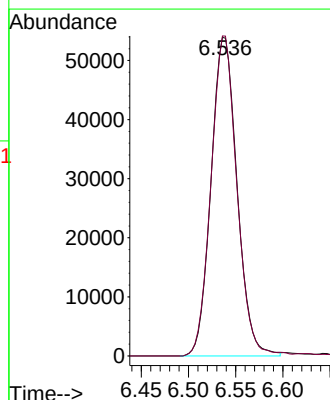
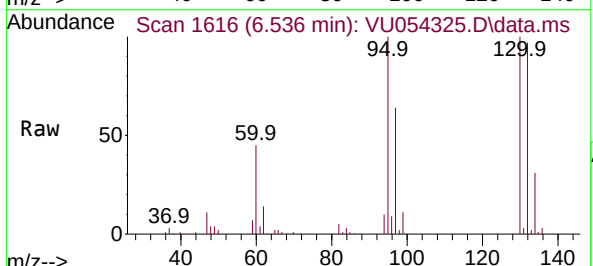
Acq: 30 May 2023 19:43

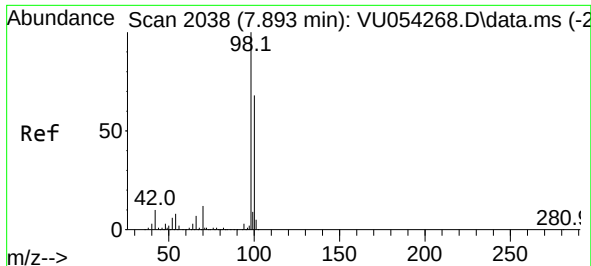
Tgt Ion:130 Resp: 103216

Ion Ratio Lower Upper

130 100

95 100.5 0.0 184.6

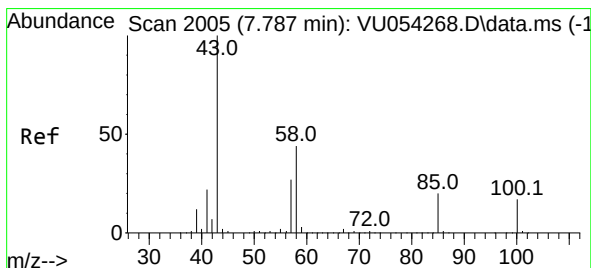
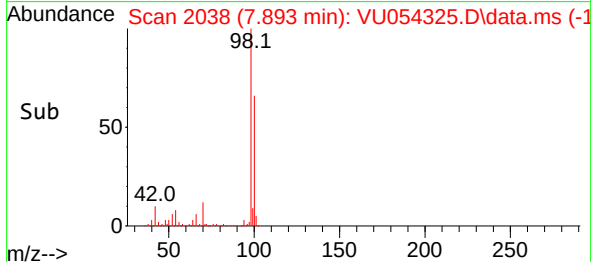
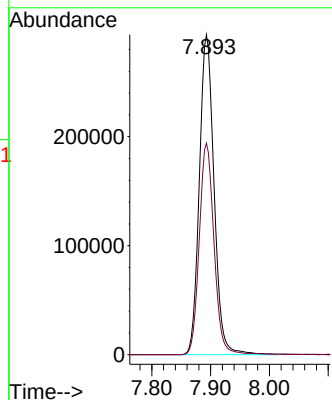
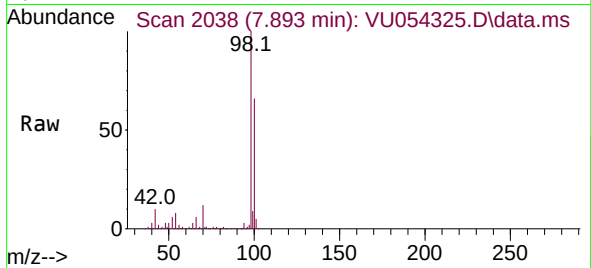




#50
Toluene-d8
Concen: 50.703 ug/l
RT: 7.893 min Scan# 2038
Delta R.T. -0.000 min
Lab File: VU054325.D
Acq: 30 May 2023 19:43

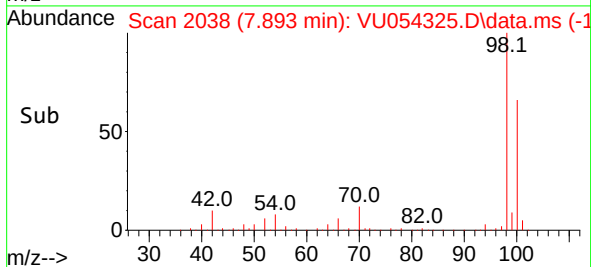
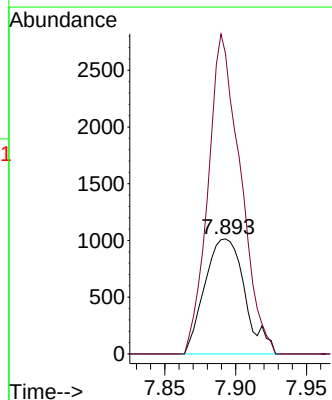
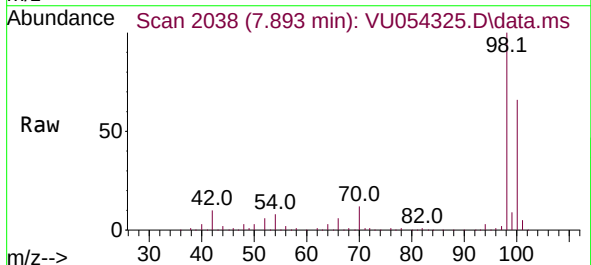
Instrument :
MSVOA_U
ClientSampleId :
RE103D2-20230523DL

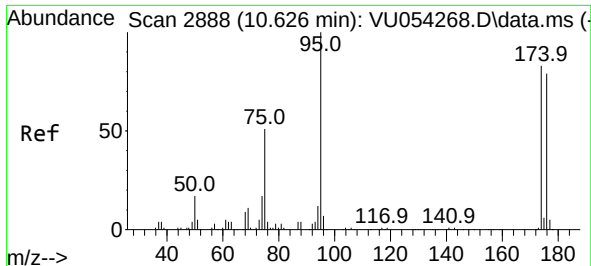
Tgt Ion: 98 Resp: 510677
Ion Ratio Lower Upper
98 100
100 66.3 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.427 ug/l
RT: 7.893 min Scan# 2038
Delta R.T. 0.106 min
Lab File: VU054325.D
Acq: 30 May 2023 19:43

Tgt Ion: 43 Resp: 1990
Ion Ratio Lower Upper
43 100
58 225.1 34.7 52.1#





#62

4-Bromofluorobenzene

Concen: 44.990 ug/l

RT: 10.629 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU054325.D

Acq: 30 May 2023 19:43

Instrument :

MSVOA_U

ClientSampleId :

RE103D2-20230523DL

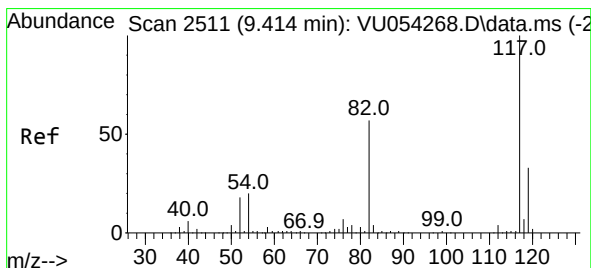
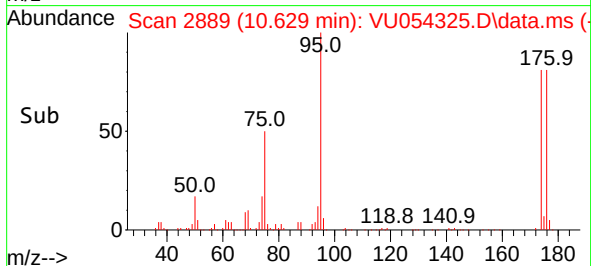
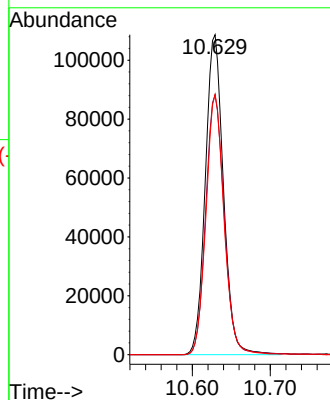
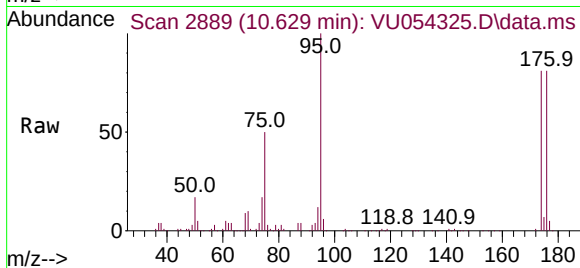
Tgt Ion: 95 Resp: 175701

Ion Ratio Lower Upper

95 100

174 83.0 0.0 182.0

176 81.0 0.0 177.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.410 min Scan# 2510

Delta R.T. -0.004 min

Lab File: VU054325.D

Acq: 30 May 2023 19:43

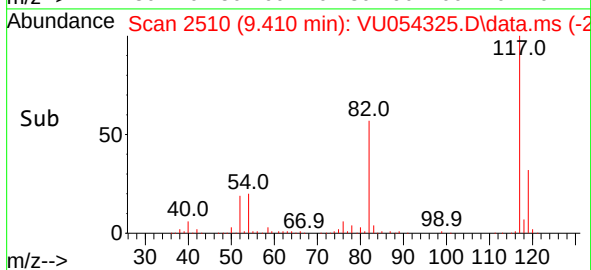
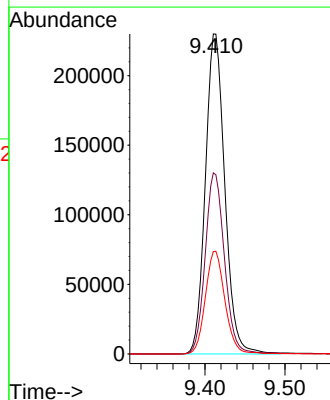
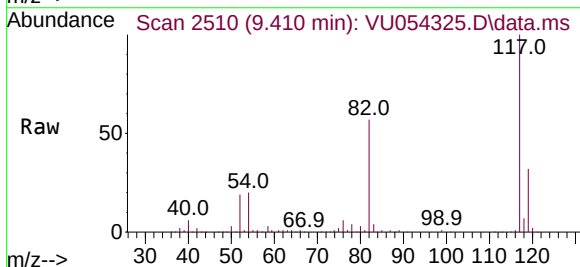
Tgt Ion: 117 Resp: 388953

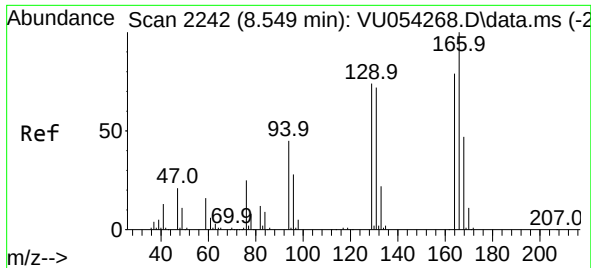
Ion Ratio Lower Upper

117 100

82 56.6 41.7 62.5

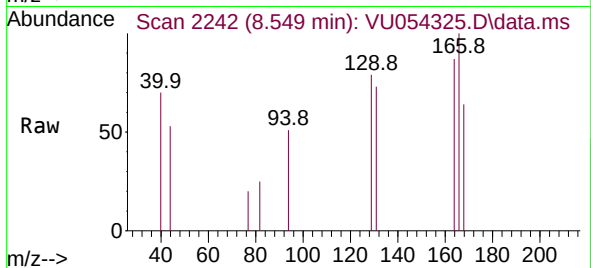
119 32.0 25.7 38.5





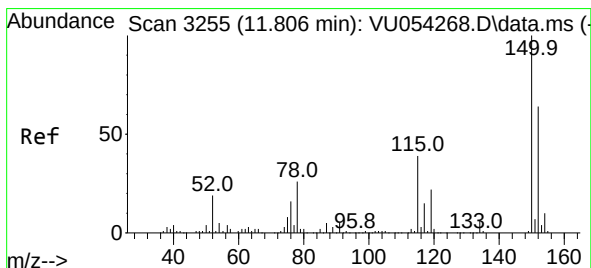
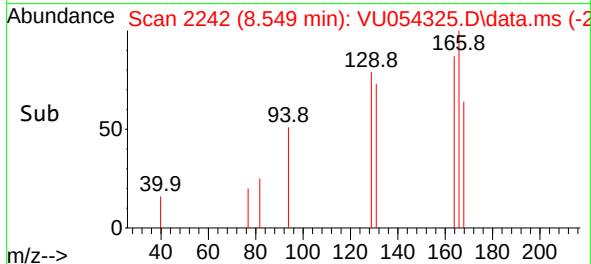
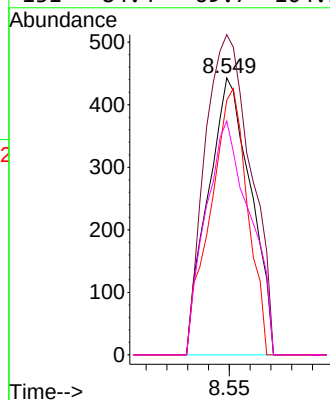
#64
Tetrachloroethene
Concen: 0.216 ug/l
RT: 8.549 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054325.D
Acq: 30 May 2023 19:43

Instrument :
MSVOA_U
ClientSampleId :
RE103D2-20230523DL



Tgt Ion:164 Resp: 633

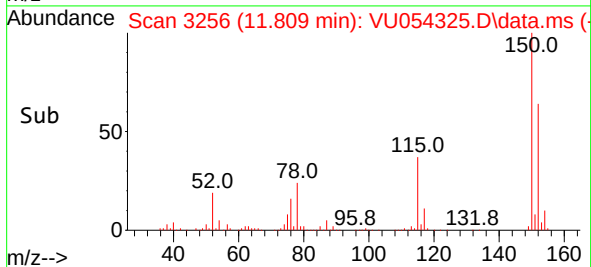
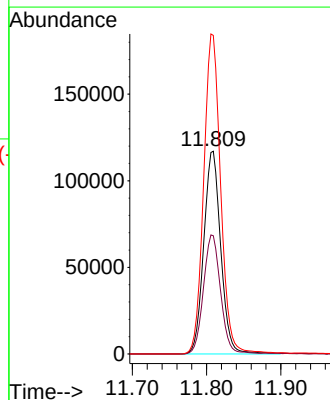
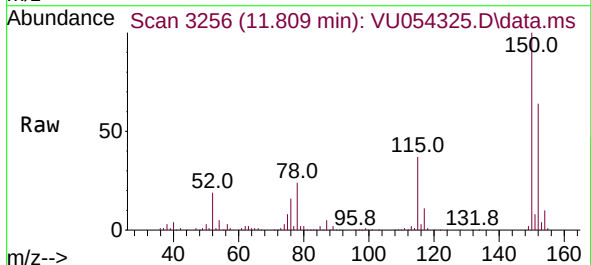
Ion	Ratio	Lower	Upper
164	100		
166	115.6	100.0	150.0
129	91.9	72.0	108.0
131	84.4	69.7	104.5

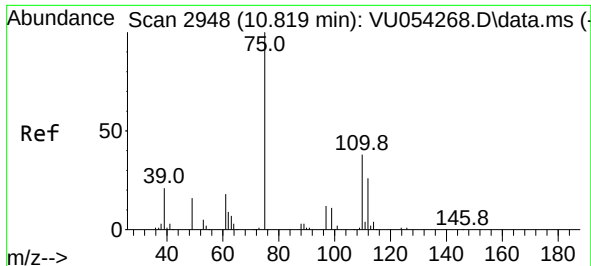


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.809 min Scan# 3256
Delta R.T. 0.003 min
Lab File: VU054325.D
Acq: 30 May 2023 19:43

Tgt Ion:152 Resp: 186275

Ion	Ratio	Lower	Upper
152	100		
115	58.9	37.0	110.9
150	157.5	0.0	342.2

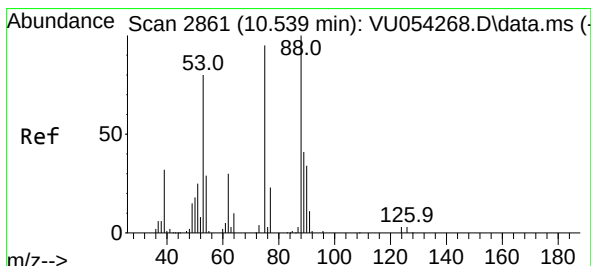
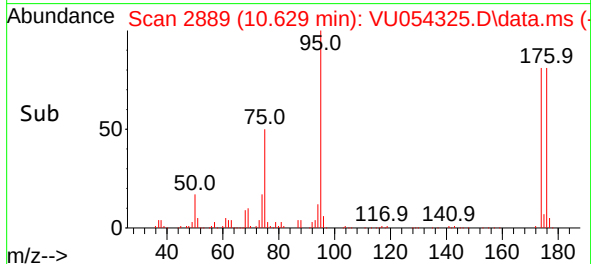
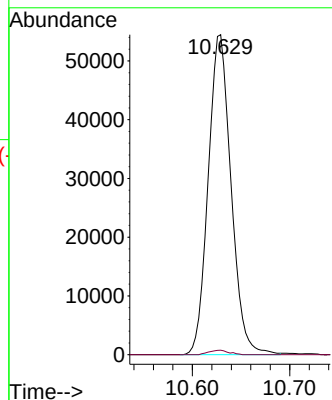
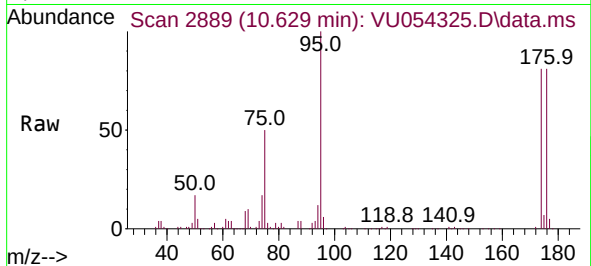




#76
1,2,3-Trichloropropane
Concen: 16.332 ug/l
RT: 10.629 min Scan# 21
Delta R.T. -0.190 min
Lab File: VU054325.D
Acq: 30 May 2023 19:43

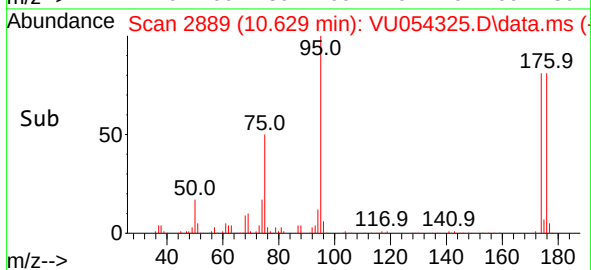
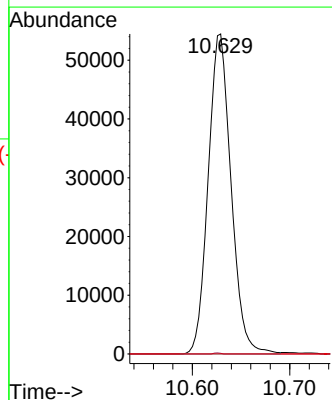
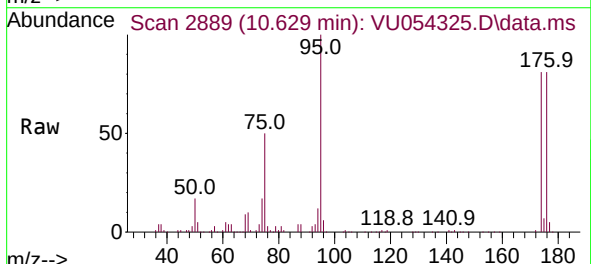
Instrument :
MSVOA_U
ClientSampleId :
RE103D2-20230523DL

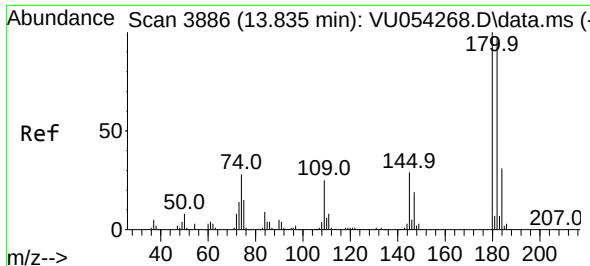
Tgt Ion: 75 Resp: 88791
Ion Ratio Lower Upper
75 100
77 1.2 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.192 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. 0.090 min
Lab File: VU054325.D
Acq: 30 May 2023 19:43

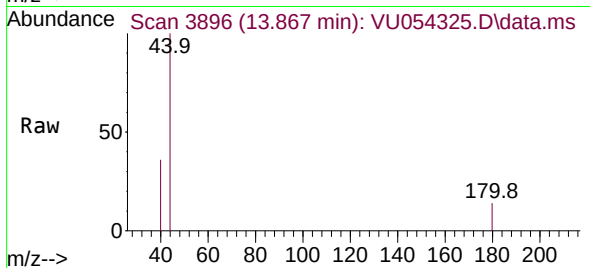
Tgt Ion: 75 Resp: 88791
Ion Ratio Lower Upper
75 100
53 0.1 69.2 103.8#
89 0.0 37.0 55.6#



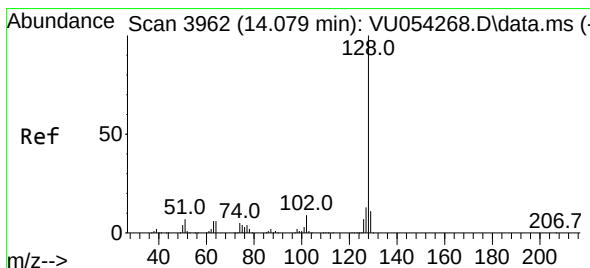
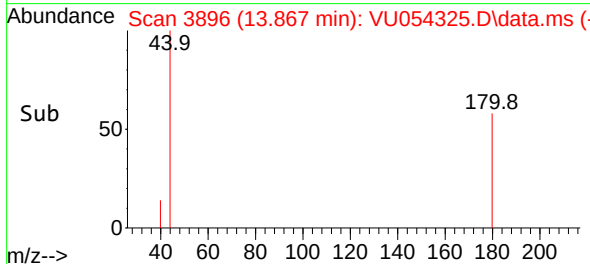
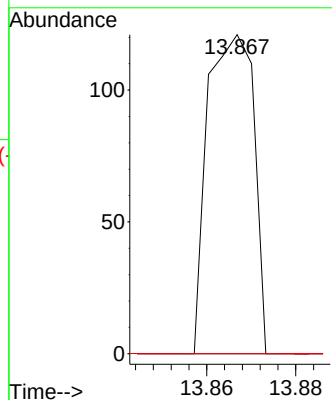


#93
1,2,4-Trichlorobenzene
Concen: 1.663 ug/l
RT: 13.867 min Scan# 3886
Delta R.T. 0.032 min
Lab File: VU054325.D
Acq: 30 May 2023 19:43

Instrument :
MSVOA_U
ClientSampleId :
RE103D2-20230523DL



Tgt Ion:180 Resp: 87
Ion Ratio Lower Upper
180 100
182 0.0 47.9 143.6#
145 0.0 14.0 41.9#



#95
Naphthalene
Concen: 2.030 ug/l
RT: 14.124 min Scan# 3976
Delta R.T. 0.045 min
Lab File: VU054325.D
Acq: 30 May 2023 19:43

Tgt Ion:128 Resp: 549
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

