

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053023\
 Data File : VU054316.D
 Acq On : 30 May 2023 16:09
 Operator : JC/MD
 Sample : 02912-09DL 5X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE103D3-20230523DL

Quant Time: May 31 06:28:09 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)

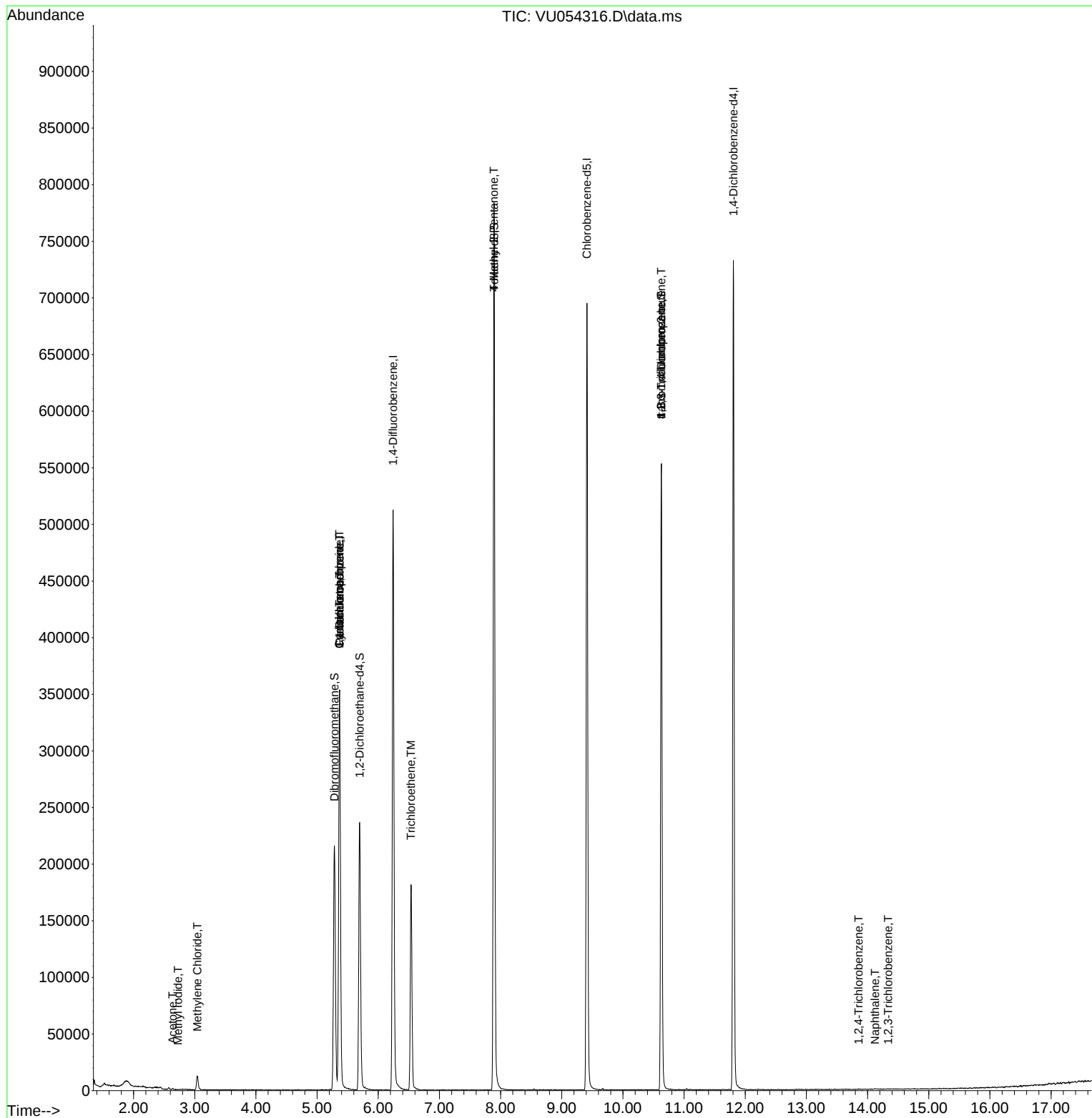
Internal Standards						
1) Pentafluorobenzene	5.369	168	256409	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	432916	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.411	117	405315	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	200171	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.697	65	178116	52.991	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.980%	
35) Dibromofluoromethane	5.282	113	142154	50.990	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.980%	
50) Toluene-d8	7.893	98	527997	49.791	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.580%	
62) 4-Bromofluorobenzene	10.629	95	185811	45.191	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 90.380%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.726	142	19	2.337	ug/l #	43
16) Acetone	2.639	43	980	0.509	ug/l #	69
20) Methylene Chloride	3.041	84	6729	1.936	ug/l	89
31) Cyclohexane	5.366	56	4848	1.021	ug/l #	9
36) 1,1-Dichloropropene	5.366	75	19107	4.363	ug/l #	49
38) Carbon Tetrachloride	5.366	117	24298	5.421	ug/l #	15
44) Trichloroethene	6.536	130	63615	18.220	ug/l	89
51) 4-Methyl-2-Pentanone	7.890	43	2067	0.421	ug/l #	1
76) 1,2,3-Trichloropropane	10.629	75	94194	16.123	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.629	75	94194	61.396	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.851	180	134	1.671	ug/l #	38
95) Naphthalene	14.121	128	649	2.033	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.336	180	97	1.275	ug/l #	1

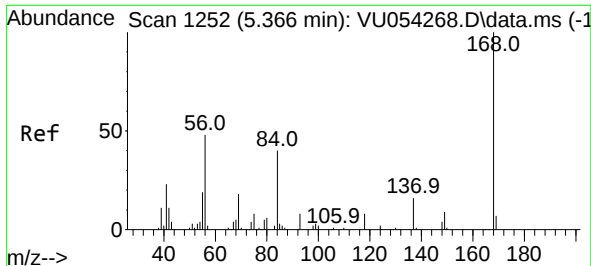
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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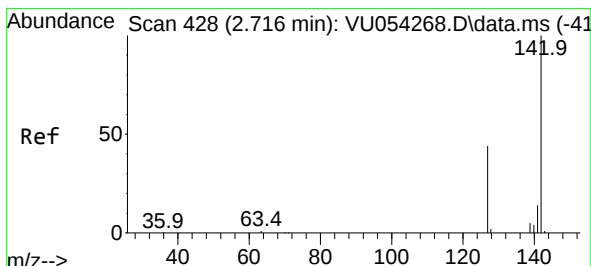
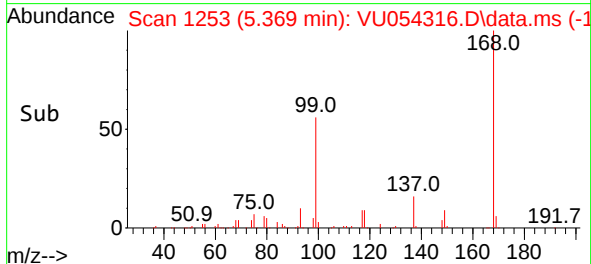
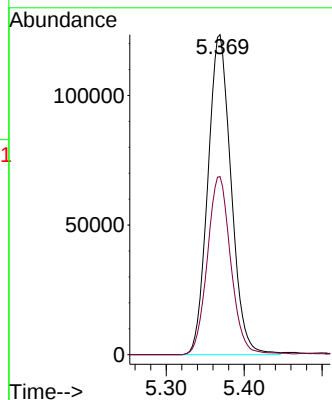
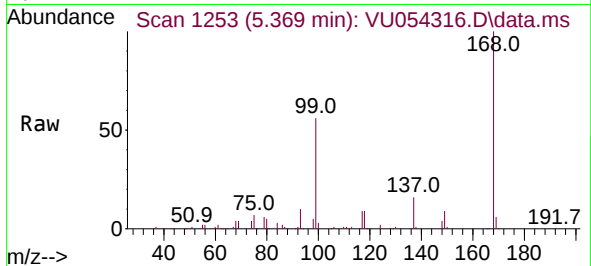




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054316.D
Acq: 30 May 2023 16:09

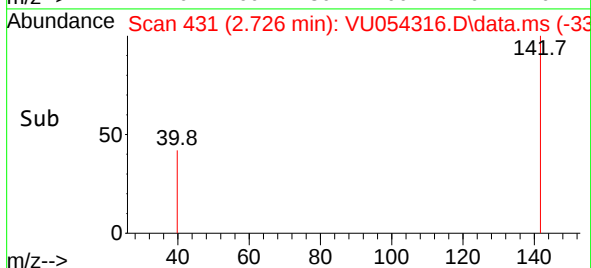
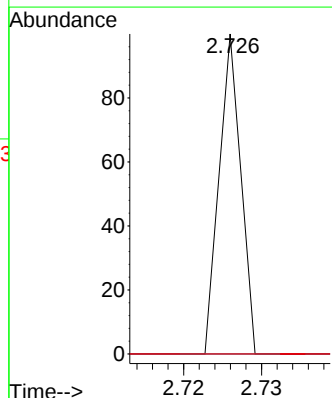
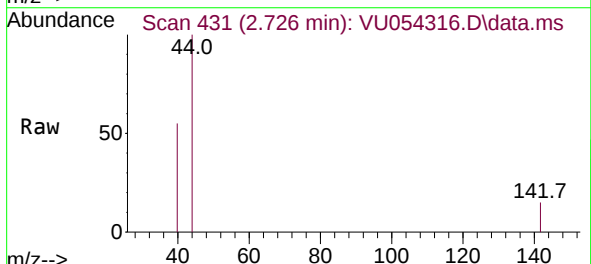
Instrument :
MSVOA_U
ClientSampleId :
RE103D3-20230523DL

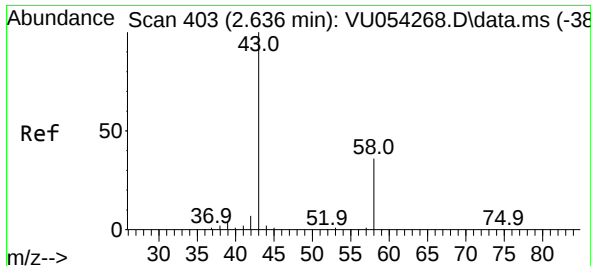
Tgt Ion:168 Resp: 256409
Ion Ratio Lower Upper
168 100
99 55.6 39.3 58.9



#10
Methyl Iodide
Concen: 2.337 ug/l
RT: 2.726 min Scan# 431
Delta R.T. 0.010 min
Lab File: VU054316.D
Acq: 30 May 2023 16:09

Tgt Ion:142 Resp: 19
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: 2.639 min Scan# 403

Delta R.T. 0.003 min

Lab File: VU054316.D

Acq: 30 May 2023 16:09

Instrument :

MSVOA_U

ClientSampleId :

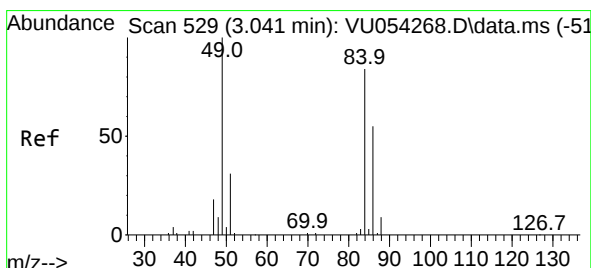
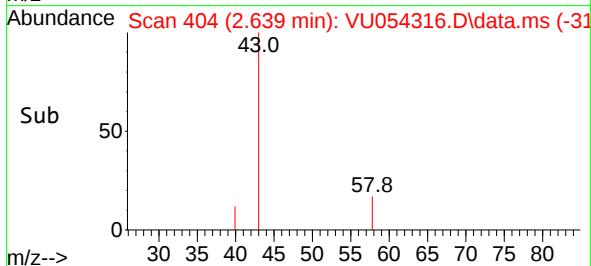
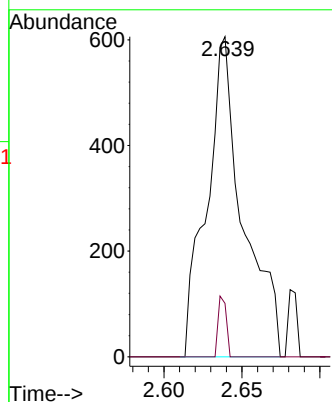
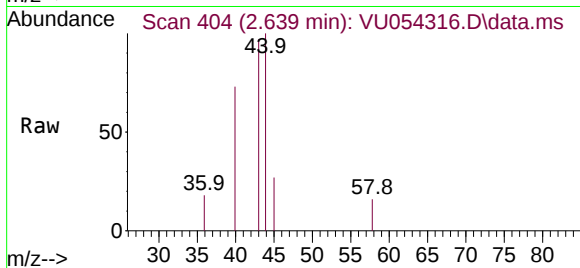
RE103D3-20230523DL

Tgt Ion: 43 Resp: 980

Ion Ratio Lower Upper

43 100

58 16.7 27.5 41.3#



#20

Methylene Chloride

Concen: 1.936 ug/l

RT: 3.041 min Scan# 529

Delta R.T. 0.000 min

Lab File: VU054316.D

Acq: 30 May 2023 16:09

Tgt Ion: 84 Resp: 6729

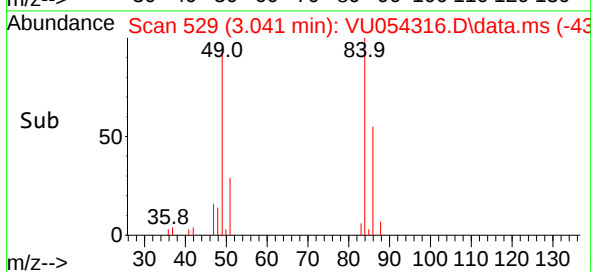
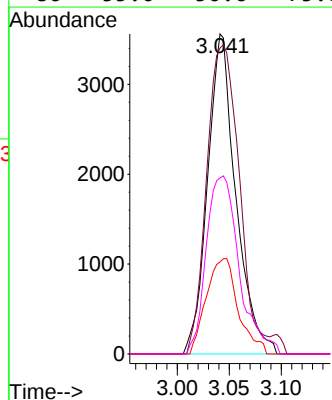
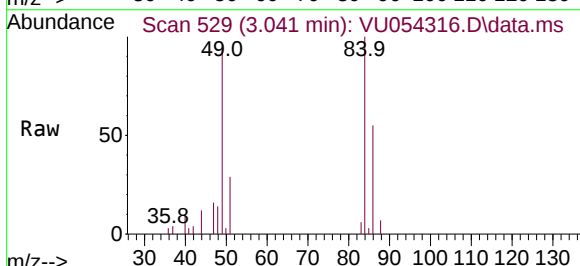
Ion Ratio Lower Upper

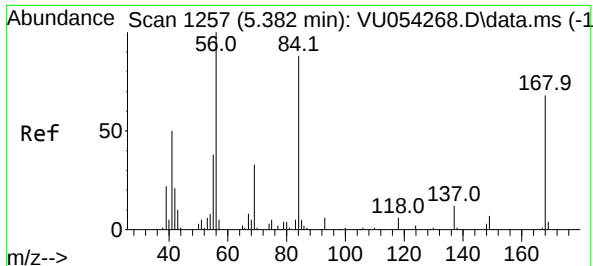
84 100

49 95.6 86.6 129.8

51 28.8 26.6 40.0

86 55.0 50.6 75.8





#31

Cyclohexane

Concen: 1.021 ug/l

RT: 5.366 min Scan# 11

Delta R.T. -0.016 min

Lab File: VU054316.D

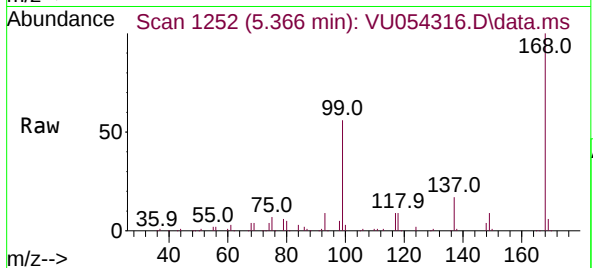
Acq: 30 May 2023 16:09

Instrument :

MSVOA_U

ClientSampleId :

RE103D3-20230523DL



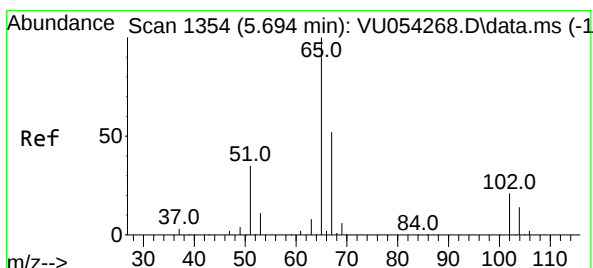
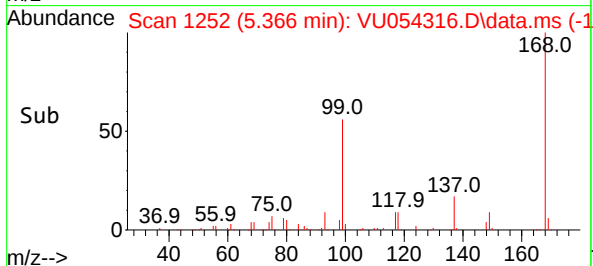
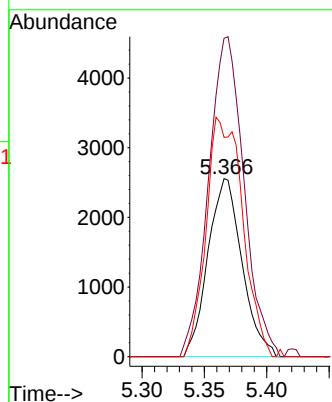
Tgt Ion: 56 Resp: 4848

Ion Ratio Lower Upper

56 100

69 178.8 27.8 41.8#

84 123.2 74.2 111.4#



#33

1,2-Dichloroethane-d4

Concen: 52.991 ug/l

RT: 5.697 min Scan# 1355

Delta R.T. 0.003 min

Lab File: VU054316.D

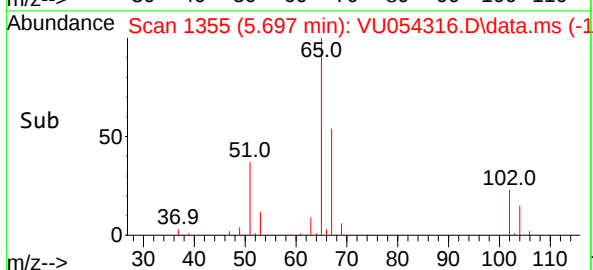
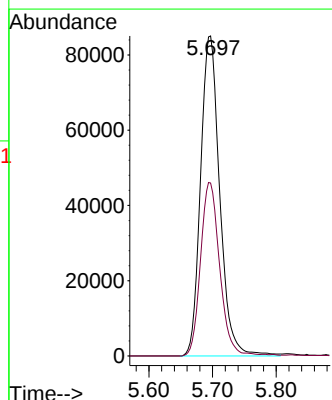
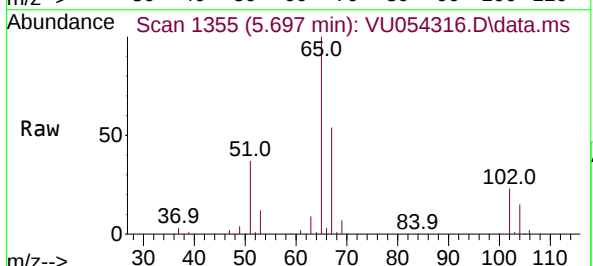
Acq: 30 May 2023 16:09

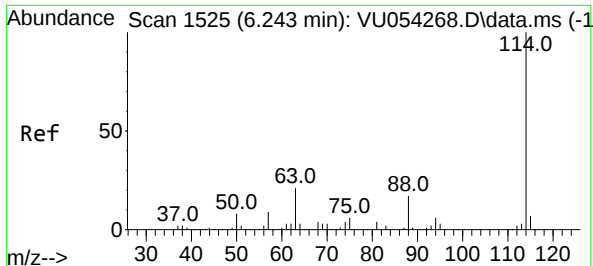
Tgt Ion: 65 Resp: 178116

Ion Ratio Lower Upper

65 100

67 53.9 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: VU054316.D

Acq: 30 May 2023 16:09

Instrument :

MSVOA_U

ClientSampleId :

RE103D3-20230523DL

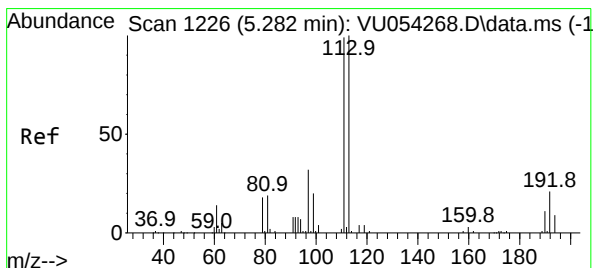
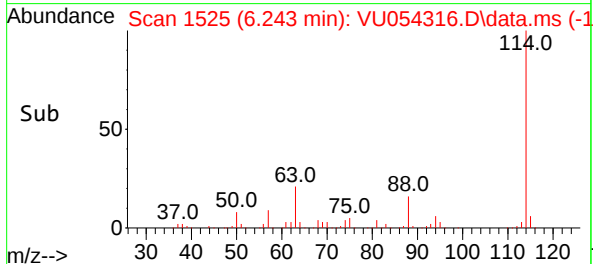
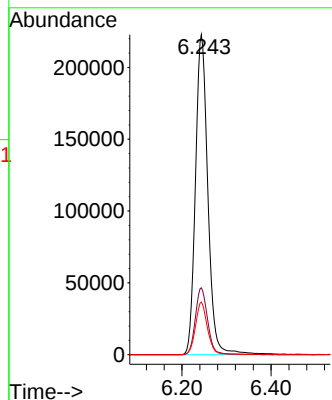
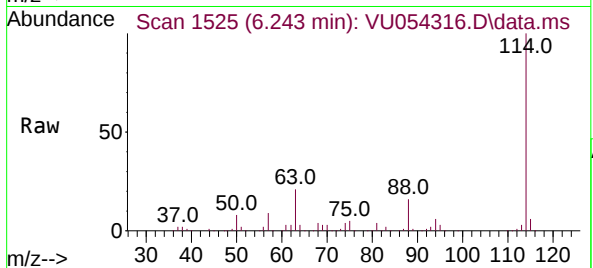
Tgt Ion:114 Resp: 432916

Ion Ratio Lower Upper

114 100

63 20.9 0.0 37.8

88 16.4 0.0 29.2



#35

Dibromofluoromethane

Concen: 50.990 ug/l

RT: 5.282 min Scan# 1226

Delta R.T. 0.000 min

Lab File: VU054316.D

Acq: 30 May 2023 16:09

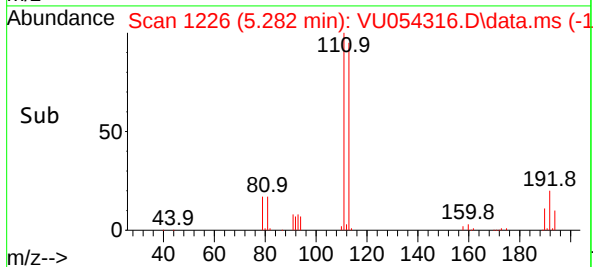
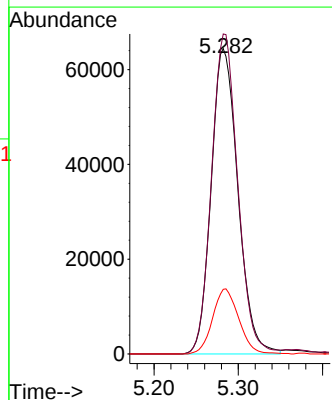
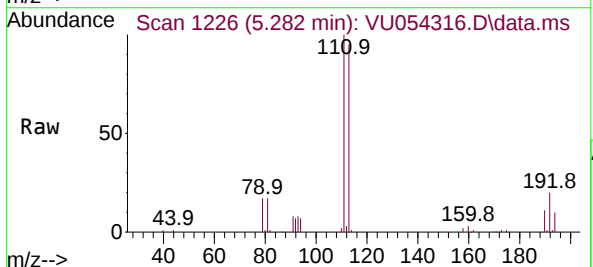
Tgt Ion:113 Resp: 142154

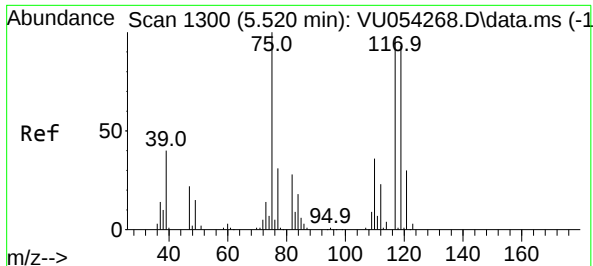
Ion Ratio Lower Upper

113 100

111 102.6 82.1 123.1

192 20.8 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.363 ug/l

RT: 5.366 min Scan# 11

Delta R.T. -0.154 min

Lab File: VU054316.D

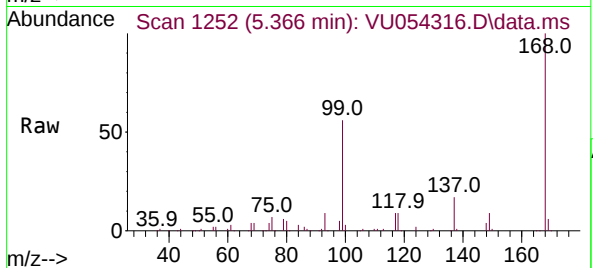
Acq: 30 May 2023 16:09

Instrument :

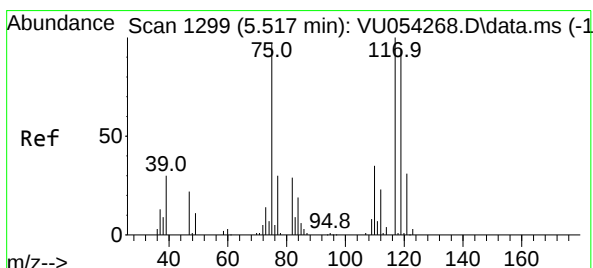
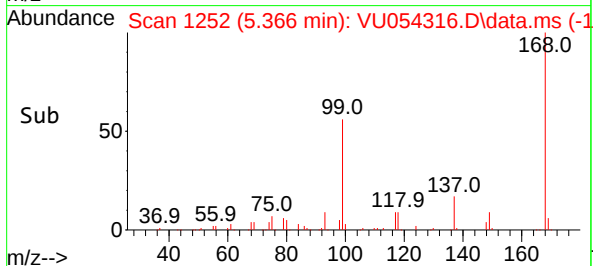
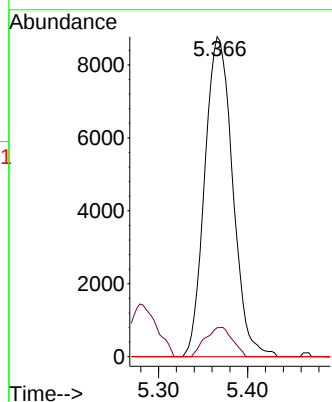
MSVOA_U

ClientSampleId :

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Tgt Ion: 75	Resp: 19107
Ion Ratio	Lower Upper
75	100
110	8.9 18.4 55.2#
77	0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.421 ug/l

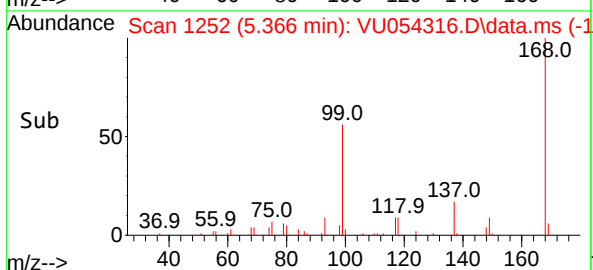
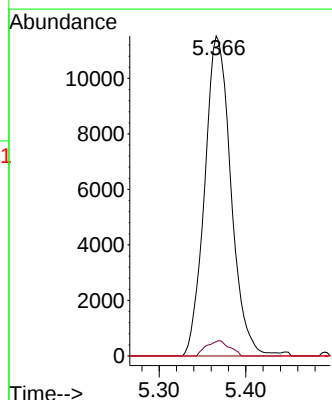
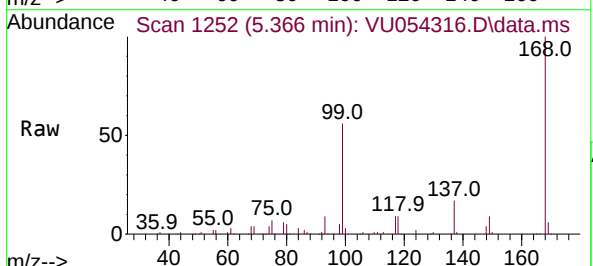
RT: 5.366 min Scan# 1252

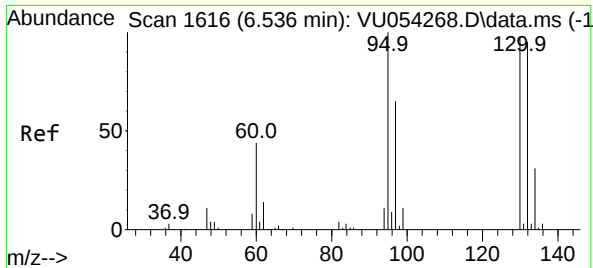
Delta R.T. -0.151 min

Lab File: VU054316.D

Acq: 30 May 2023 16:09

Tgt Ion: 117	Resp: 24298
Ion Ratio	Lower Upper
117	100
119	4.5 76.8 115.2#
121	0.0 24.7 37.1#

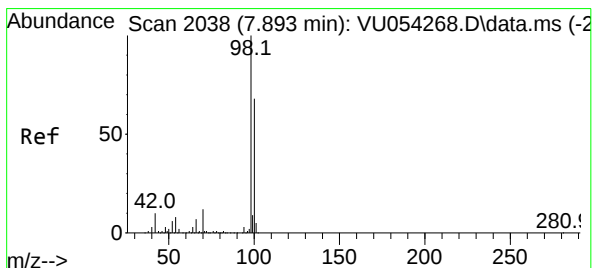
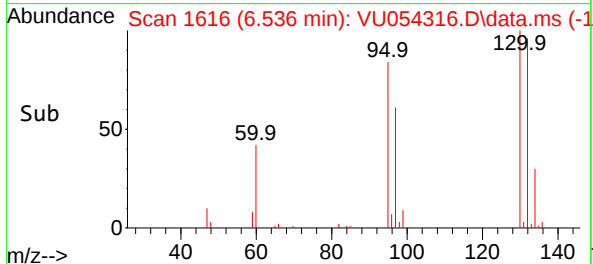
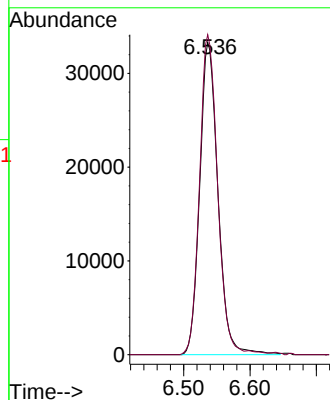
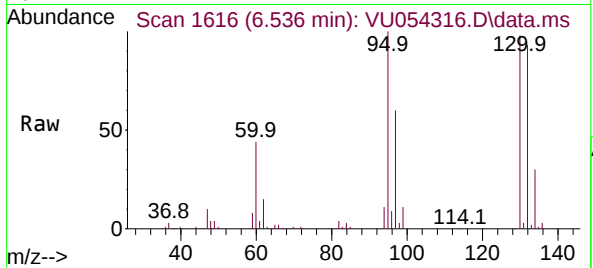




#44
Trichloroethene
Concen: 18.220 ug/l
RT: 6.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU054316.D
Acq: 30 May 2023 16:09

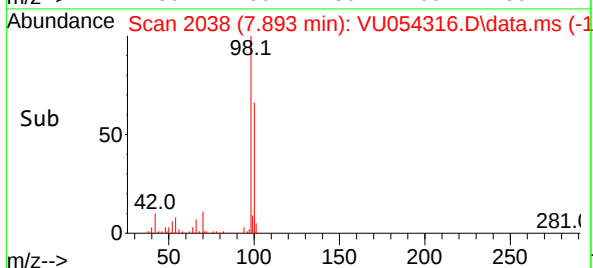
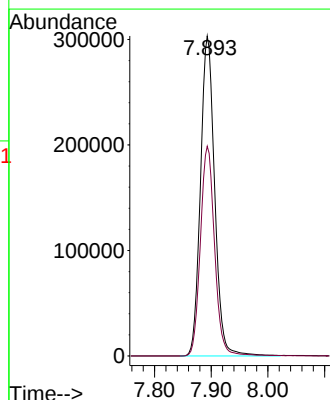
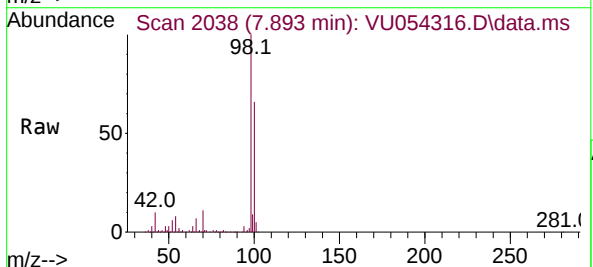
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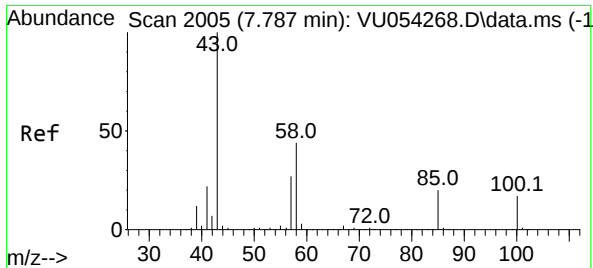
Tgt Ion:130 Resp: 63615
Ion Ratio Lower Upper
130 100
95 102.4 0.0 184.6



#50
Toluene-d8
Concen: 49.791 ug/l
RT: 7.893 min Scan# 2038
Delta R.T. -0.000 min
Lab File: VU054316.D
Acq: 30 May 2023 16:09

Tgt Ion: 98 Resp: 527997
Ion Ratio Lower Upper
98 100
100 65.7 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 0.421 ug/l

RT: 7.890 min Scan# 2005

Delta R.T. 0.103 min

Lab File: VU054316.D

Acq: 30 May 2023 16:09

Instrument :

MSVOA_U

ClientSampleId :

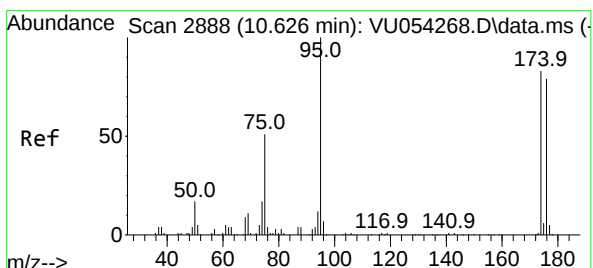
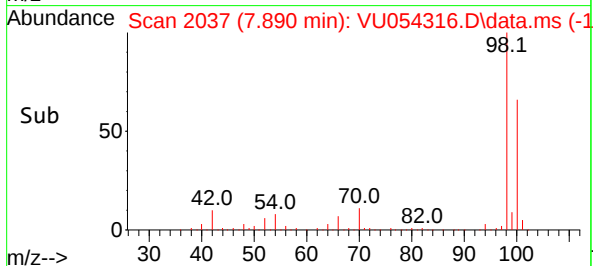
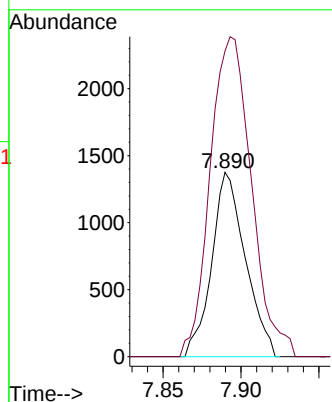
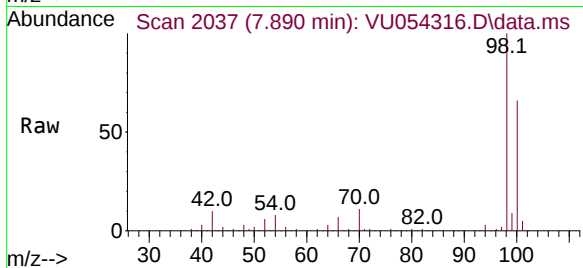
RE103D3-20230523DL

Tgt Ion: 43 Resp: 2067

Ion Ratio Lower Upper

43 100

58 212.3 34.7 52.1#



#62

4-Bromofluorobenzene

Concen: 45.191 ug/l

RT: 10.629 min Scan# 2889

Delta R.T. 0.003 min

Lab File: VU054316.D

Acq: 30 May 2023 16:09

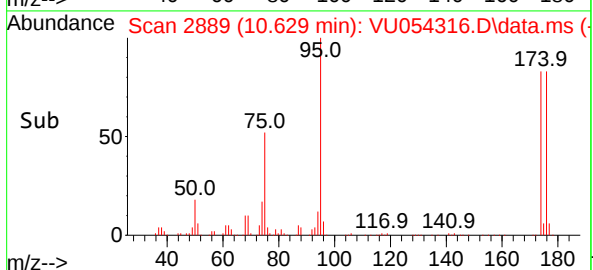
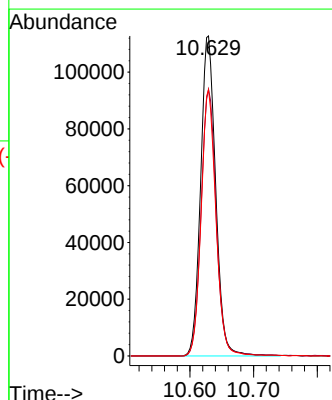
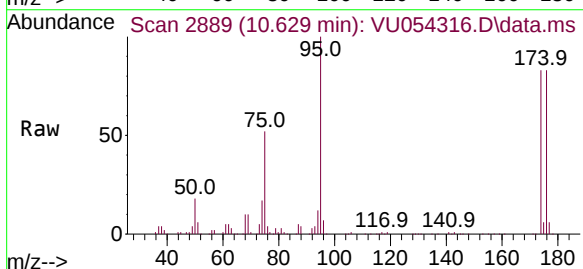
Tgt Ion: 95 Resp: 185811

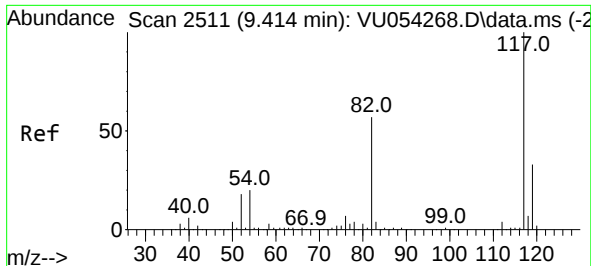
Ion Ratio Lower Upper

95 100

174 83.1 0.0 182.0

176 81.4 0.0 177.8

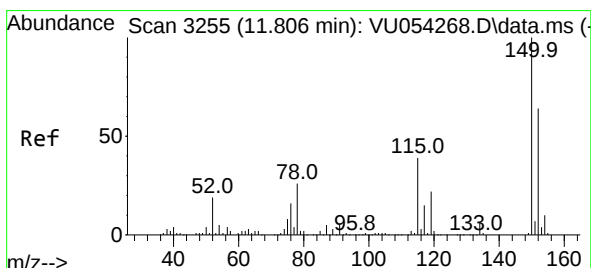
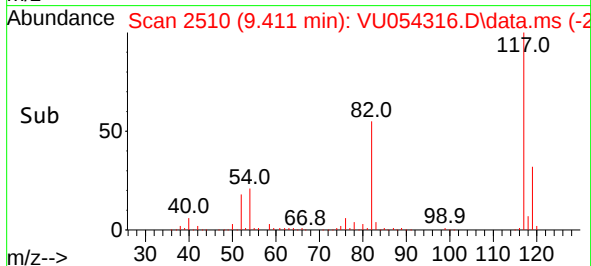
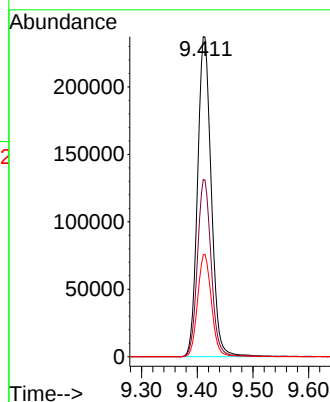
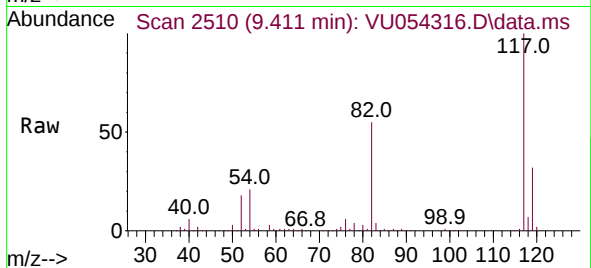




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.411 min Scan# 2510
Delta R.T. -0.003 min
Lab File: VU054316.D
Acq: 30 May 2023 16:09

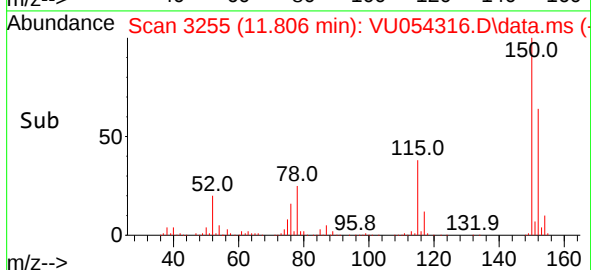
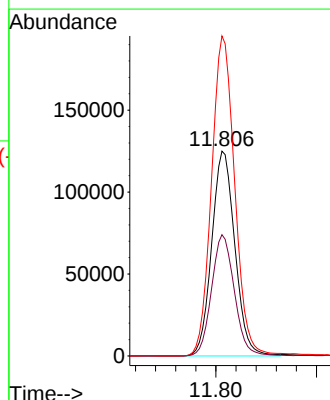
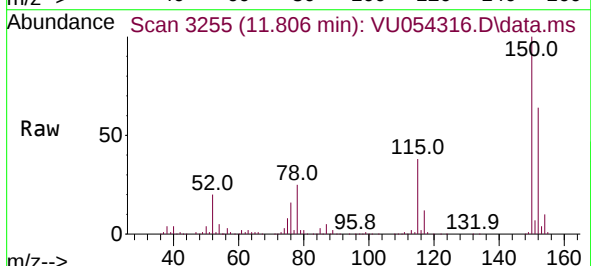
Instrument :
MSVOA_U
ClientSampleId :
RE103D3-20230523DL

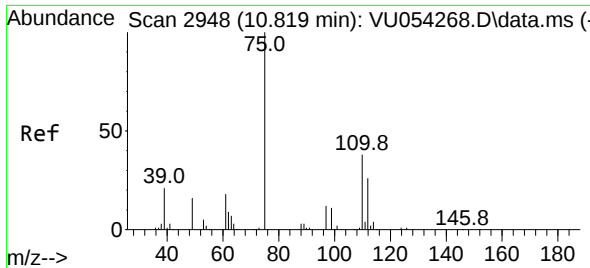
Tgt Ion:117 Resp: 405315
Ion Ratio Lower Upper
117 100
82 55.3 41.7 62.5
119 31.8 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.806 min Scan# 3255
Delta R.T. -0.000 min
Lab File: VU054316.D
Acq: 30 May 2023 16:09

Tgt Ion:152 Resp: 200171
Ion Ratio Lower Upper
152 100
115 58.3 37.0 110.9
150 157.6 0.0 342.2

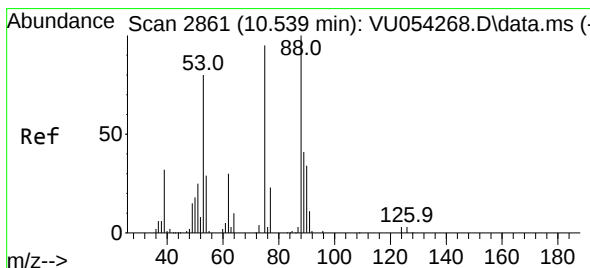
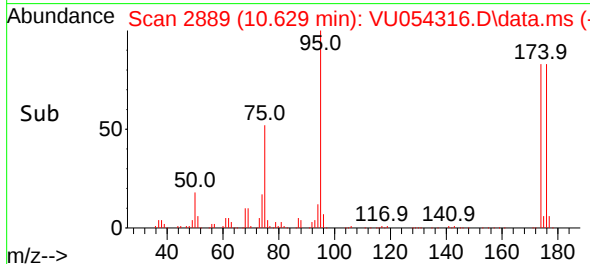
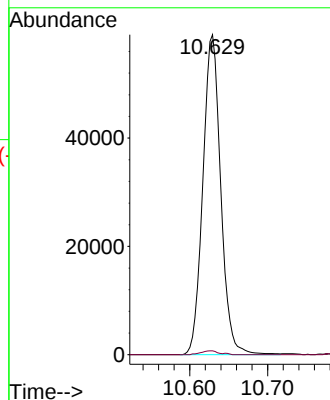
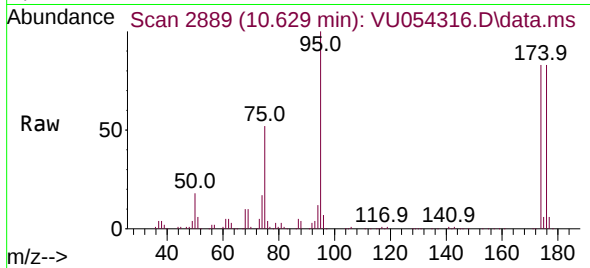




#76
1,2,3-Trichloropropane
Concen: 16.123 ug/l
RT: 10.629 min Scan# 21
Delta R.T. -0.190 min
Lab File: VU054316.D
Acq: 30 May 2023 16:09

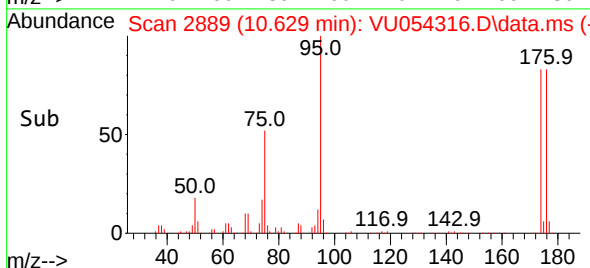
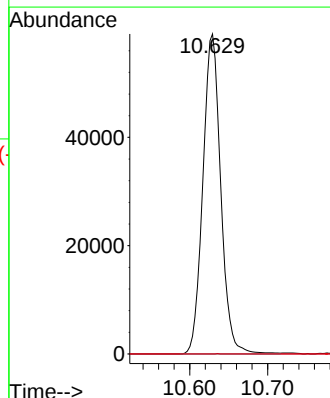
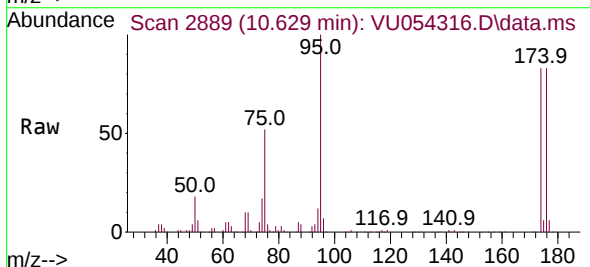
Instrument :
MSVOA_U
ClientSampleId :
RE103D3-20230523DL

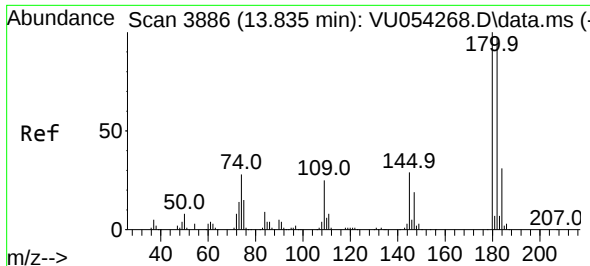
Tgt Ion: 75 Resp: 94194
Ion Ratio Lower Upper
75 100
77 1.1 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.396 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. 0.090 min
Lab File: VU054316.D
Acq: 30 May 2023 16:09

Tgt Ion: 75 Resp: 94194
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#

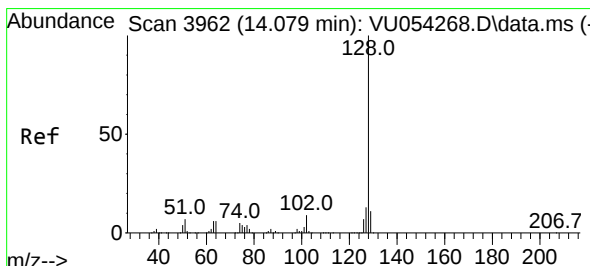
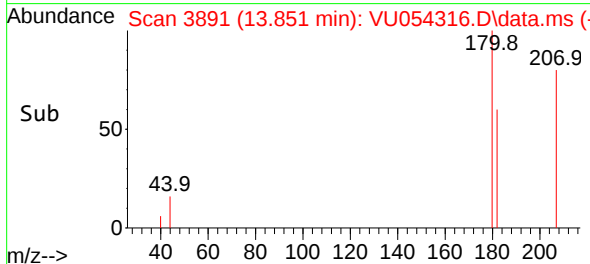
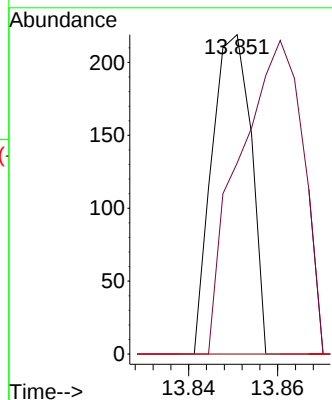
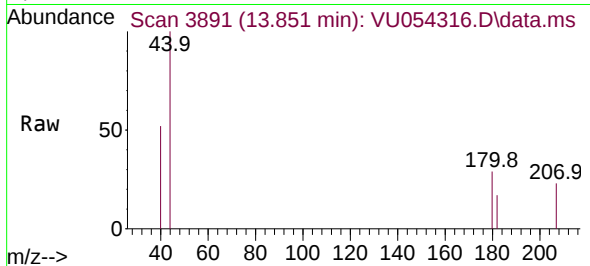




#93
1,2,4-Trichlorobenzene
Concen: 1.671 ug/l
RT: 13.851 min Scan# 3891
Delta R.T. 0.016 min
Lab File: VU054316.D
Acq: 30 May 2023 16:09

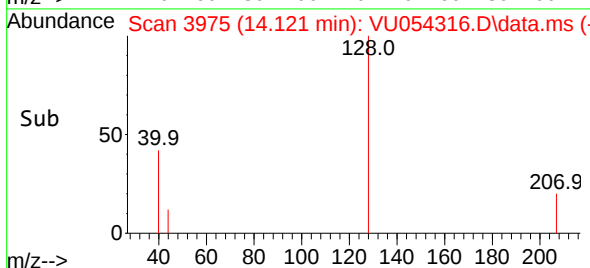
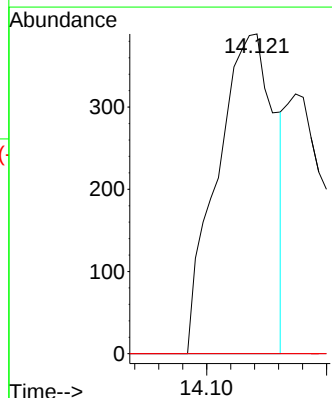
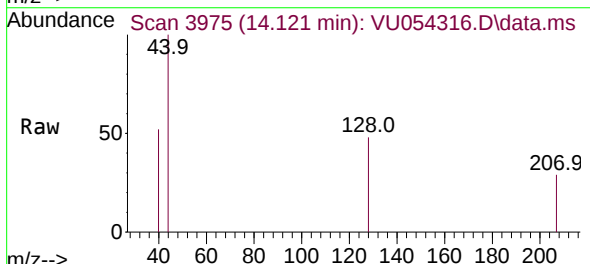
Instrument :
MSVOA_U
ClientSampleId :
RE103D3-20230523DL

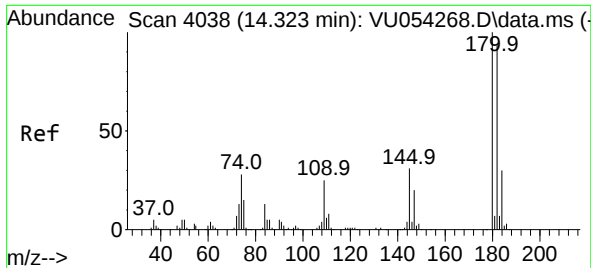
Tgt Ion:180 Resp: 134
Ion Ratio Lower Upper
180 100
182 159.0 47.9 143.6#
145 0.0 14.0 41.9#



#95
Naphthalene
Concen: 2.033 ug/l
RT: 14.121 min Scan# 3975
Delta R.T. 0.042 min
Lab File: VU054316.D
Acq: 30 May 2023 16:09

Tgt Ion:128 Resp: 649
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: 1.275 ug/l

RT: 14.336 min Scan# 40

Delta R.T. 0.013 min

Lab File: VU054316.D

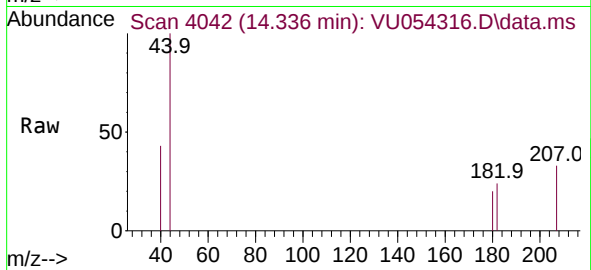
Acq: 30 May 2023 16:09

Instrument :

MSVOA_U

ClientSampleId :

RE103D3-20230523DL



Tgt Ion:180 Resp: 97

Ion Ratio Lower Upper

180 100

182 278.4 48.4 145.0#

145 0.0 14.8 44.4#

