

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053023\
 Data File : VU054323.D
 Acq On : 30 May 2023 18:55
 Operator : JC/MD
 Sample : 02912-12
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE134D2-20230523

Quant Time: May 31 06:30:39 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)

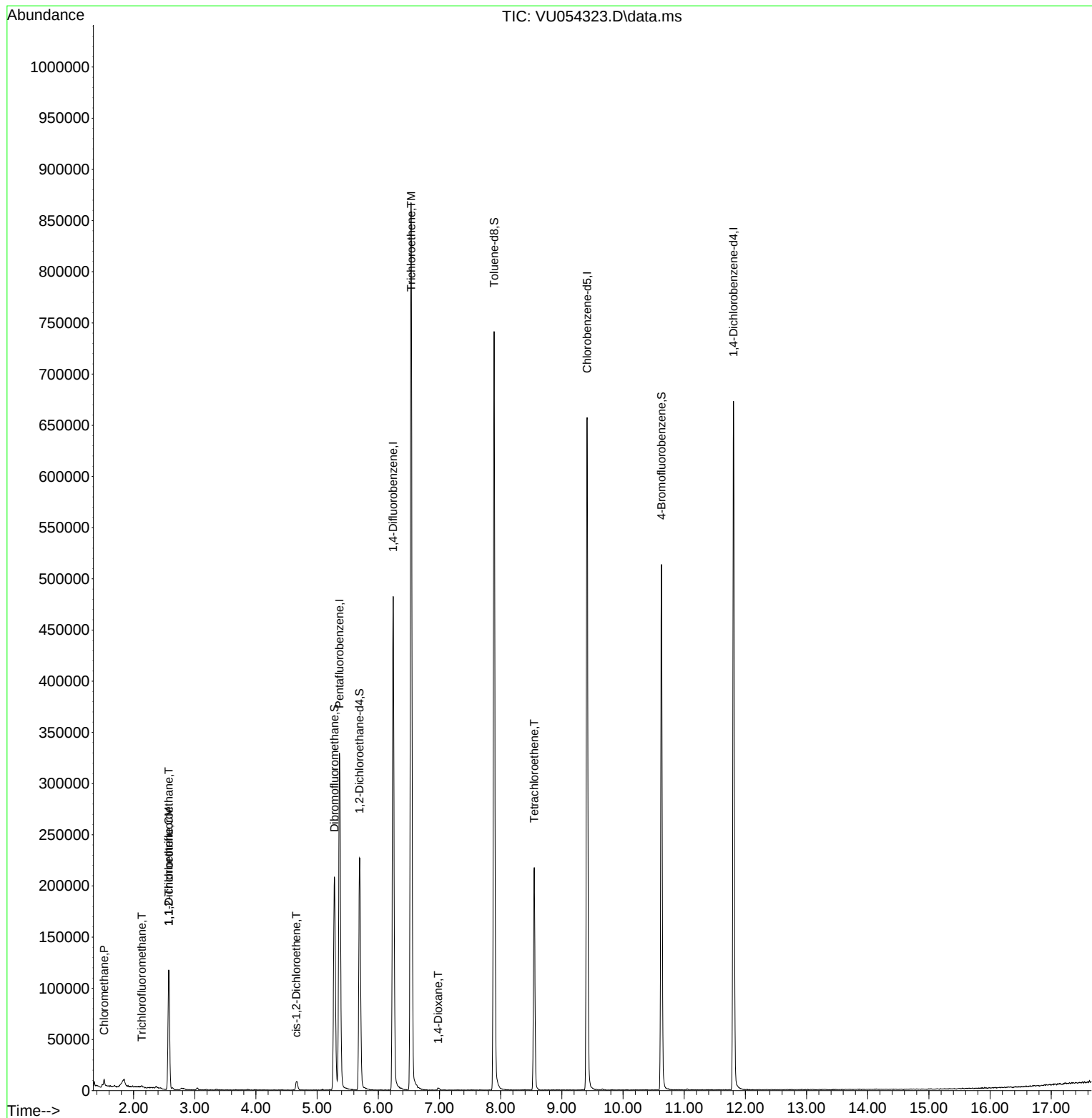
Internal Standards						
1) Pentafluorobenzene	5.366	168	240557	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	398815	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	383489	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	185665	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.694	65	170710	54.134	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 108.260%	
35) Dibromofluoromethane	5.282	113	136910	53.308	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.620%	
50) Toluene-d8	7.893	98	498336	51.012	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.020%	
62) 4-Bromofluorobenzene	10.629	95	172471	45.533	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 91.060%	
Target Compounds						
						Qvalue
3) Chloromethane	1.520	50	4974	1.415	ug/l	99
7) Trichlorofluoromethane	2.134	101	1026	0.222	ug/l #	79
9) 1,1,2-Trichlorotrifluo...	2.575	101	45258	18.110	ug/l	95
12) 1,1-Dichloroethene	2.575	96	957	0.370	ug/l #	74
27) cis-1,2-Dichloroethene	4.658	96	5104	1.656	ug/l	100
44) Trichloroethene	6.536	130	298027	92.658	ug/l	94
49) 1,4-Dioxane	6.980	88	2047	23.578	ug/l #	54
64) Tetrachloroethene	8.549	164	49632	17.196	ug/l	95

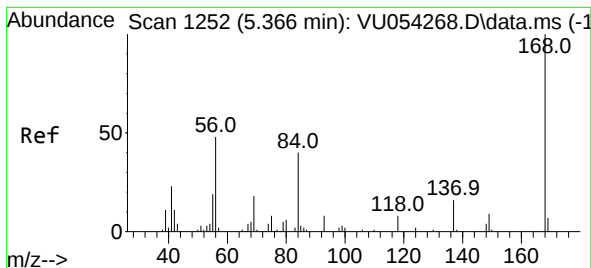
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.366 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU054323.D

Acq: 30 May 2023 18:55

Instrument :

MSVOA_U

ClientSampleId :

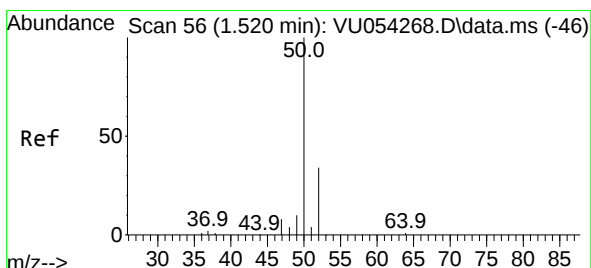
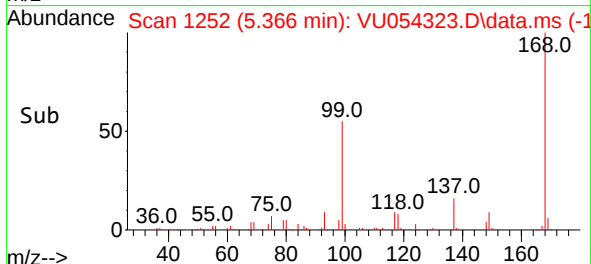
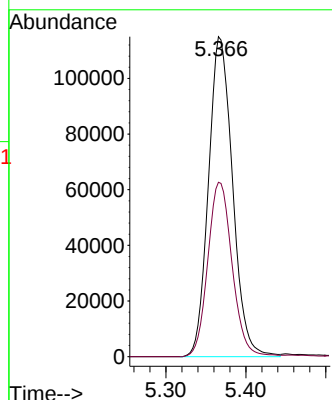
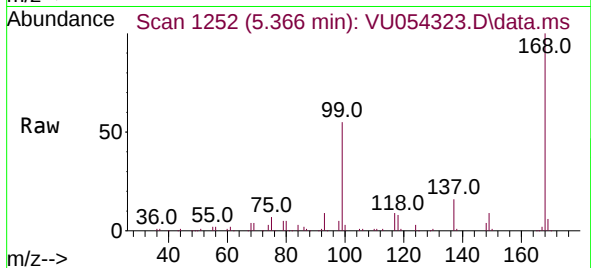
RE134D2-20230523

Tgt Ion:168 Resp: 240557

Ion Ratio Lower Upper

168 100

99 54.5 39.3 58.9



#3

Chloromethane

Concen: 1.415 ug/l

RT: 1.520 min Scan# 56

Delta R.T. 0.000 min

Lab File: VU054323.D

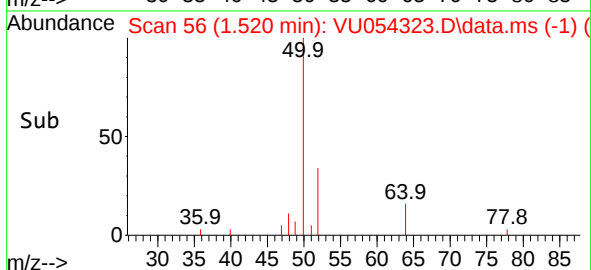
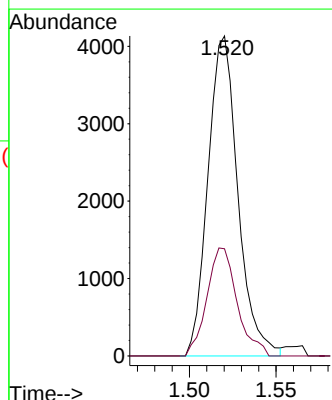
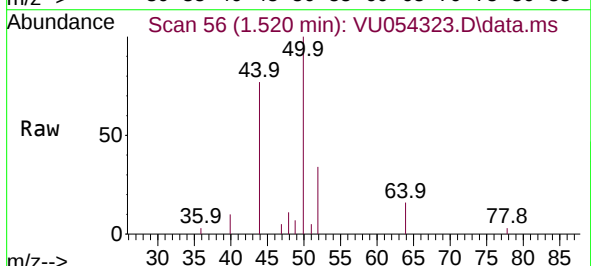
Acq: 30 May 2023 18:55

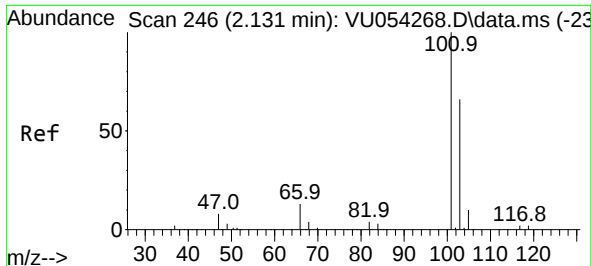
Tgt Ion: 50 Resp: 4974

Ion Ratio Lower Upper

50 100

52 33.5 27.4 41.2

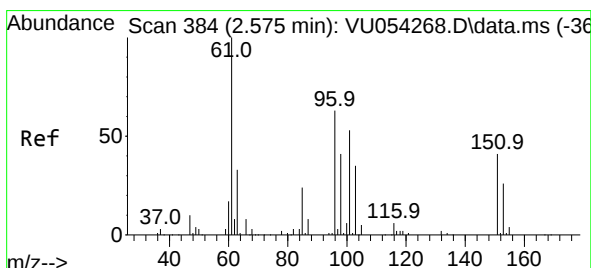
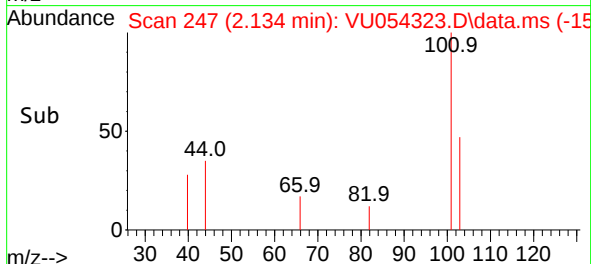
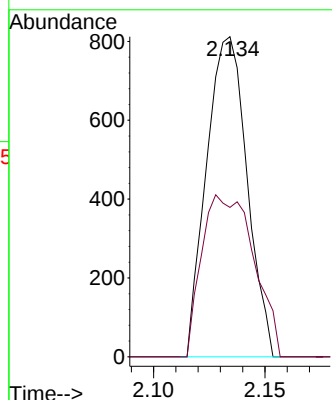
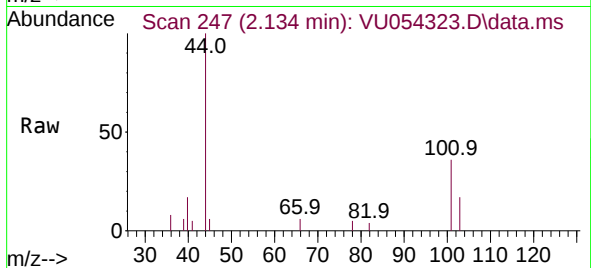




#7
Trichlorofluoromethane
Concen: 0.222 ug/l
RT: 2.134 min Scan# 246
Delta R.T. 0.003 min
Lab File: VU054323.D
Acq: 30 May 2023 18:55

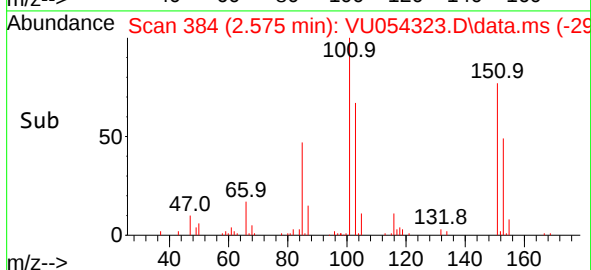
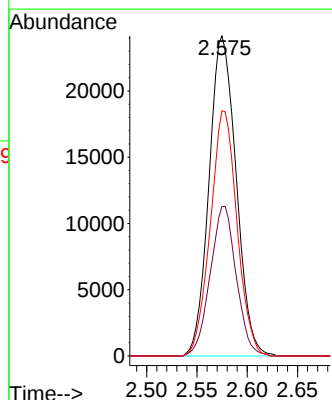
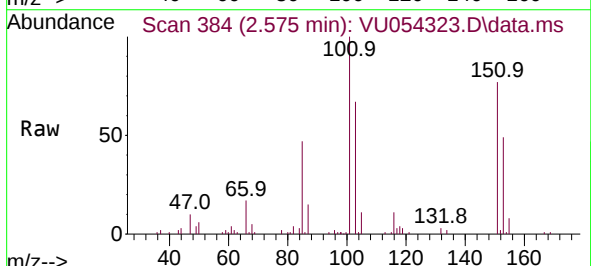
Instrument :
MSVOA_U
ClientSampleId :
RE134D2-20230523

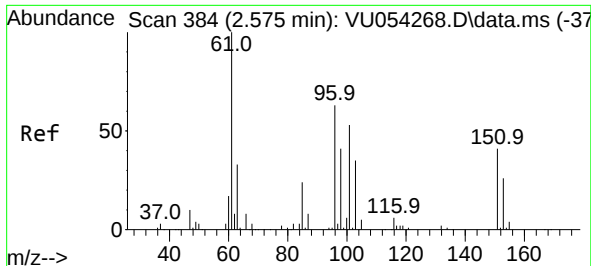
Tgt Ion:101 Resp: 1026
Ion Ratio Lower Upper
101 100
103 46.7 50.6 75.8#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.110 ug/l
RT: 2.575 min Scan# 384
Delta R.T. -0.000 min
Lab File: VU054323.D
Acq: 30 May 2023 18:55

Tgt Ion:101 Resp: 45258
Ion Ratio Lower Upper
101 100
85 44.9 33.9 50.9
151 75.3 64.0 96.0





#12

1,1-Dichloroethene

Concen: 0.370 ug/l

RT: 2.575 min Scan# 384

Delta R.T. -0.000 min

Lab File: VU054323.D

Acq: 30 May 2023 18:55

Instrument :

MSVOA_U

ClientSampleId :

RE134D2-20230523

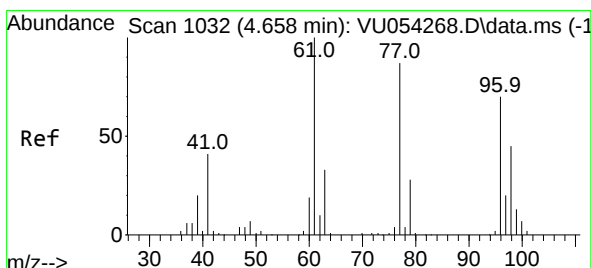
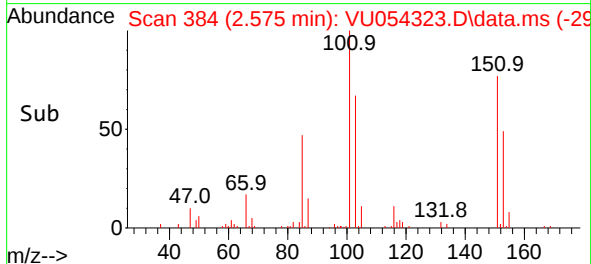
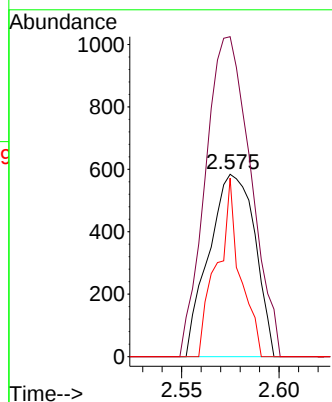
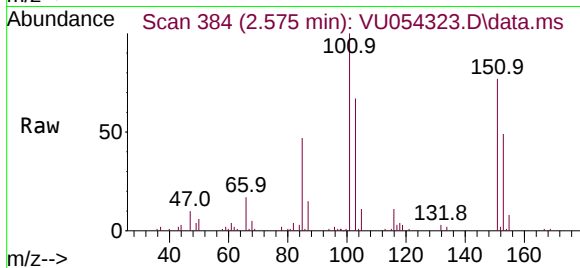
Tgt Ion: 96 Resp: 957

Ion Ratio Lower Upper

96 100

61 175.5 122.2 183.2

98 97.9 50.7 76.1#



#27

cis-1,2-Dichloroethene

Concen: 1.656 ug/l

RT: 4.658 min Scan# 1032

Delta R.T. 0.000 min

Lab File: VU054323.D

Acq: 30 May 2023 18:55

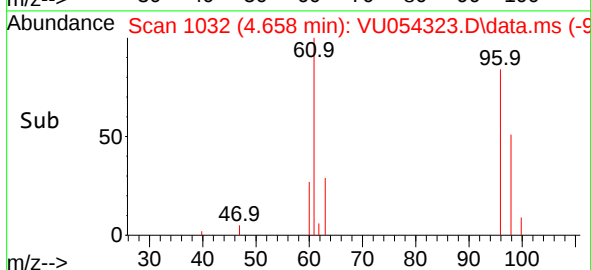
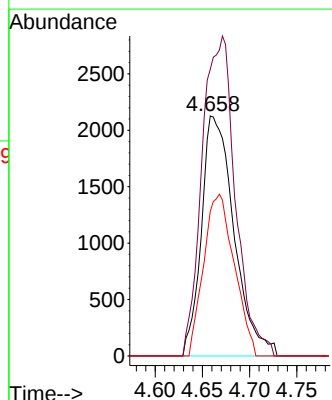
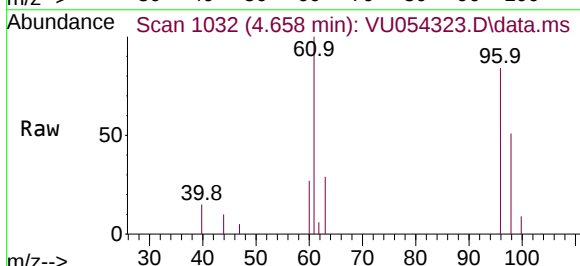
Tgt Ion: 96 Resp: 5104

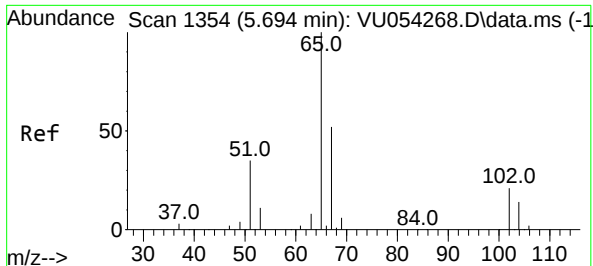
Ion Ratio Lower Upper

96 100

61 135.8 0.0 271.6

98 63.1 0.0 128.2





#33

1,2-Dichloroethane-d4

Concen: 54.134 ug/l

RT: 5.694 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054323.D

Acq: 30 May 2023 18:55

Instrument :

MSVOA_U

ClientSampleId :

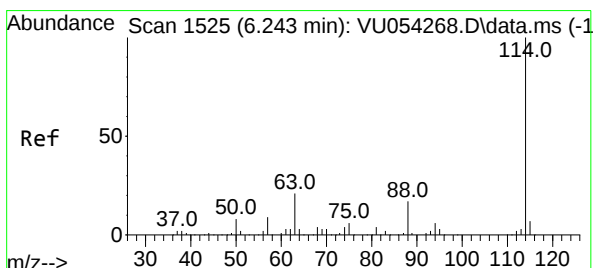
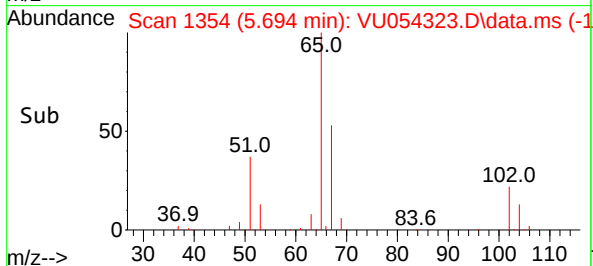
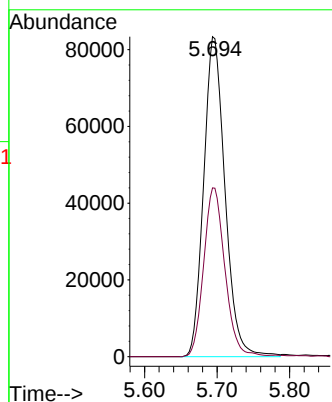
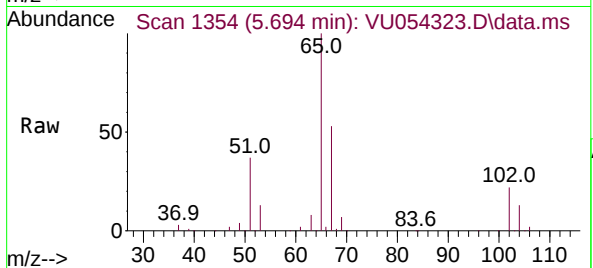
RE134D2-20230523

Tgt Ion: 65 Resp: 170710

Ion Ratio Lower Upper

65 100

67 52.4 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: VU054323.D

Acq: 30 May 2023 18:55

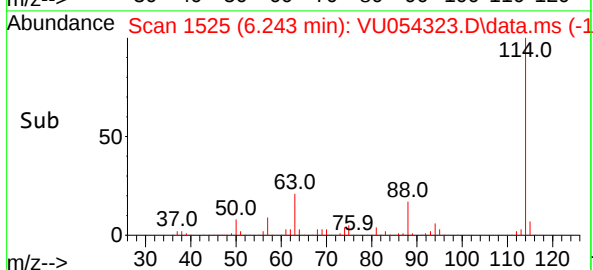
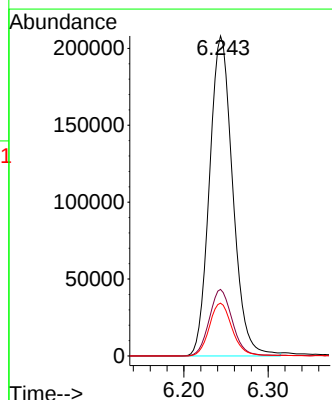
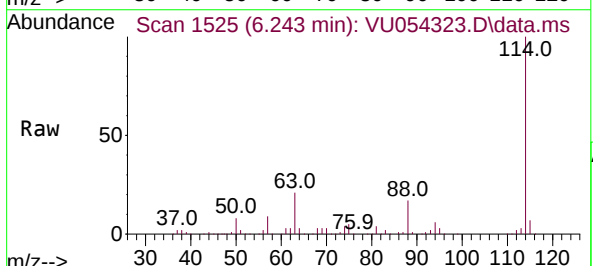
Tgt Ion: 114 Resp: 398815

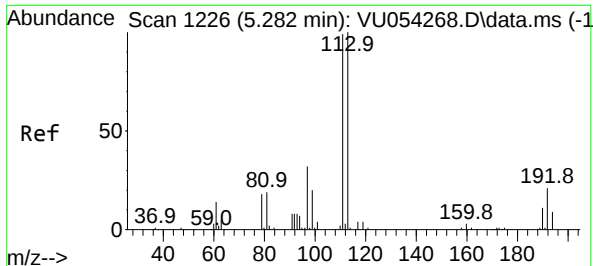
Ion Ratio Lower Upper

114 100

63 20.8 0.0 37.8

88 16.5 0.0 29.2

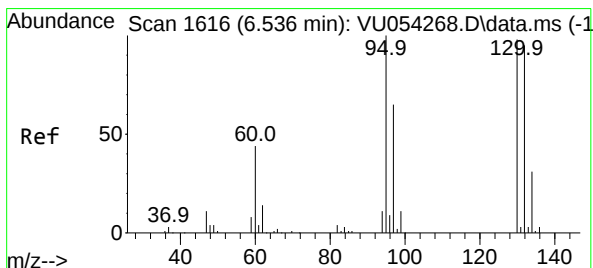
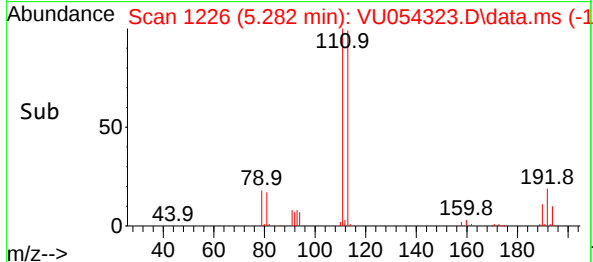
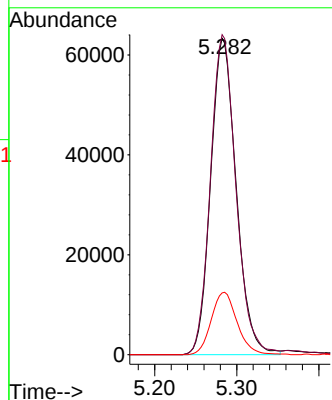
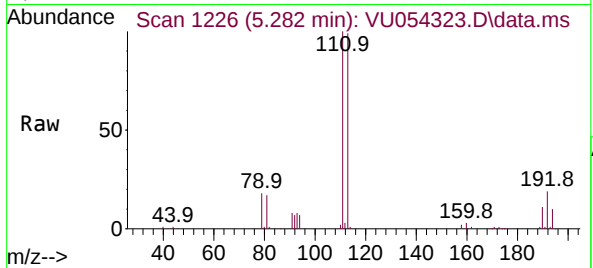




#35
 Dibromofluoromethane
 Concen: 53.308 ug/l
 RT: 5.282 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VU054323.D
 Acq: 30 May 2023 18:55

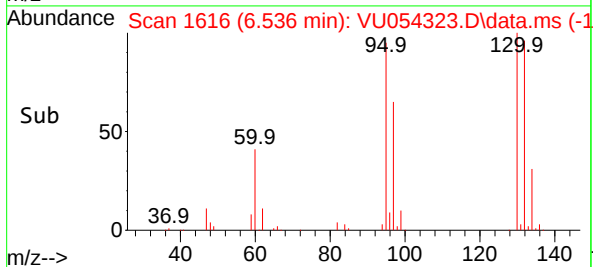
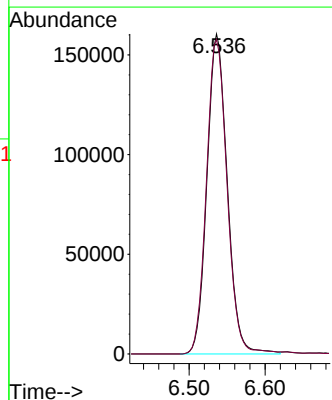
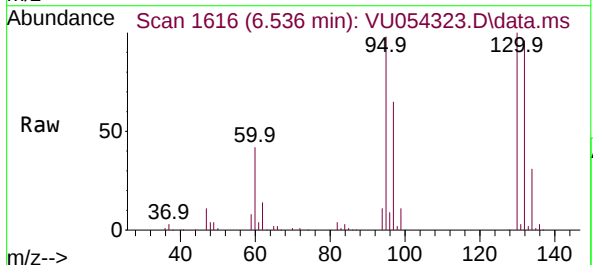
Instrument :
 MSVOA_U
 ClientSampleId :
 RE134D2-20230523

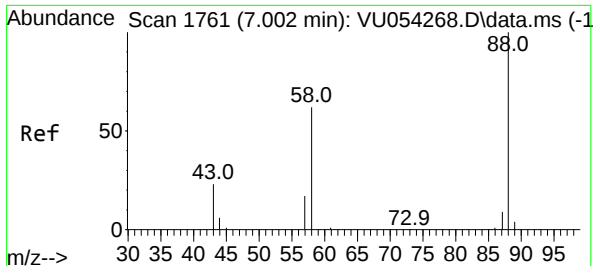
Tgt Ion:113 Resp: 136910
 Ion Ratio Lower Upper
 113 100
 111 101.3 82.1 123.1
 192 20.1 18.0 27.0



#44
 Trichloroethene
 Concen: 92.658 ug/l
 RT: 6.536 min Scan# 1616
 Delta R.T. 0.000 min
 Lab File: VU054323.D
 Acq: 30 May 2023 18:55

Tgt Ion:130 Resp: 298027
 Ion Ratio Lower Upper
 130 100
 95 98.2 0.0 184.6





#49

1,4-Dioxane

Concen: 23.578 ug/l

RT: 6.980 min Scan# 11

Delta R.T. -0.022 min

Lab File: VU054323.D

Acq: 30 May 2023 18:55

Instrument :

MSVOA_U

ClientSampleId :

RE134D2-20230523

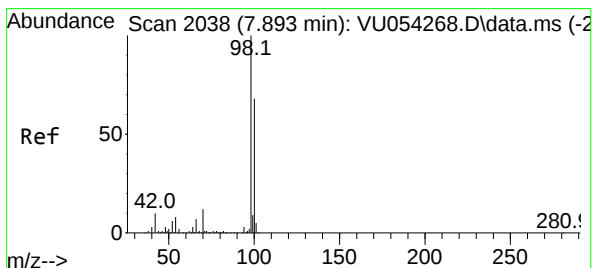
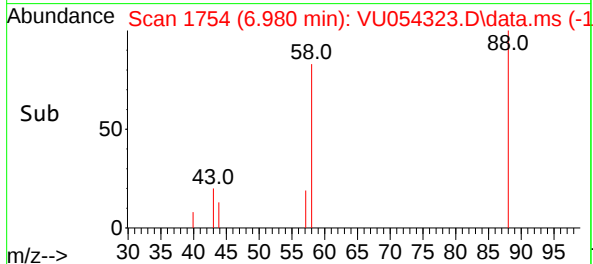
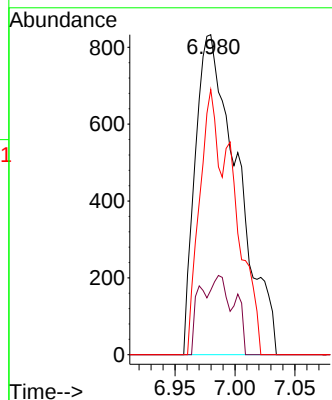
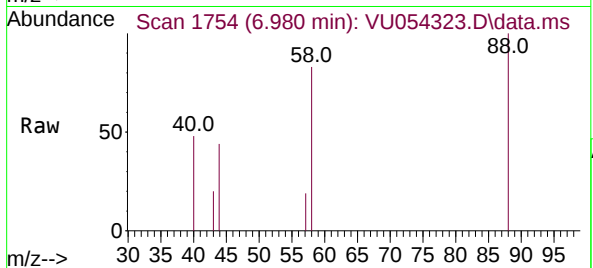
Tgt Ion: 88 Resp: 2047

Ion Ratio Lower Upper

88 100

43 5.0 0.0 0.0#

58 40.0 15.4 23.0#



#50

Toluene-d8

Concen: 51.012 ug/l

RT: 7.893 min Scan# 2038

Delta R.T. -0.000 min

Lab File: VU054323.D

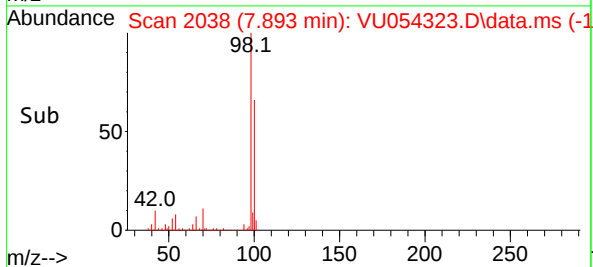
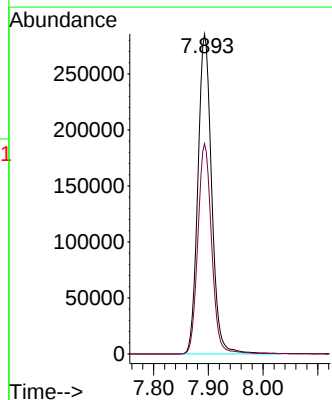
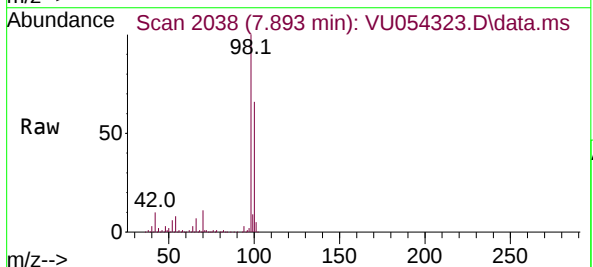
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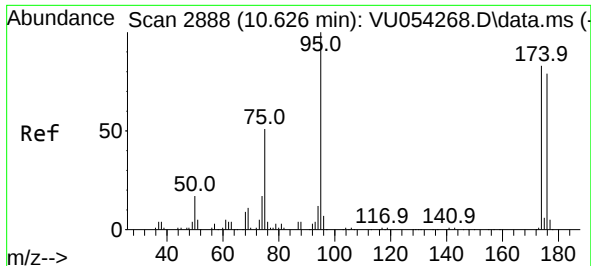
Tgt Ion: 98 Resp: 498336

Ion Ratio Lower Upper

98 100

100 65.9 51.7 77.5

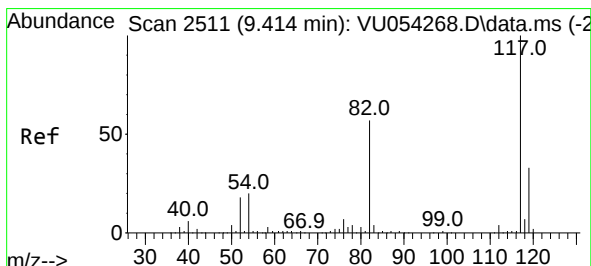
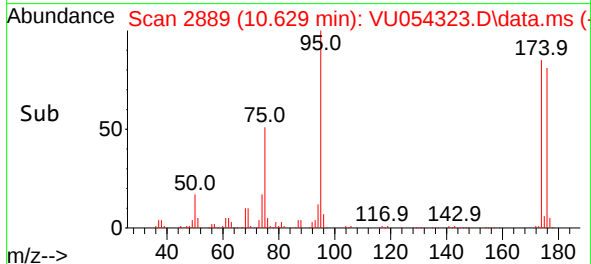
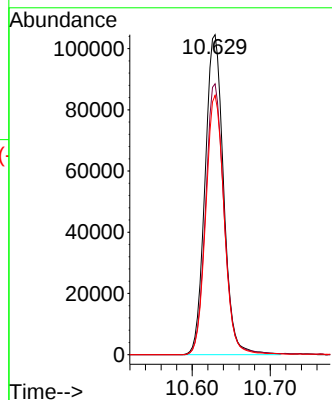
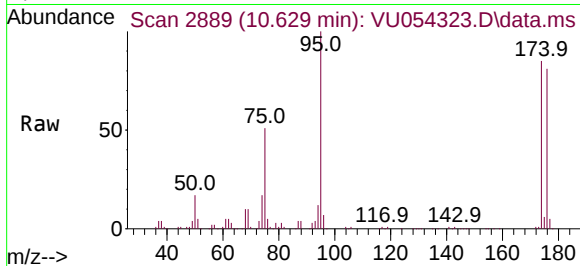




#62
4-Bromofluorobenzene
Concen: 45.533 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. 0.003 min
Lab File: VU054323.D
Acq: 30 May 2023 18:55

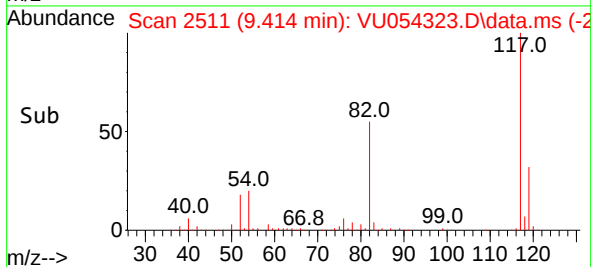
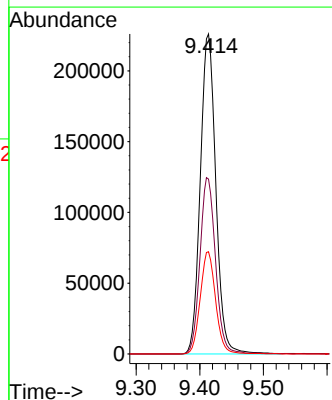
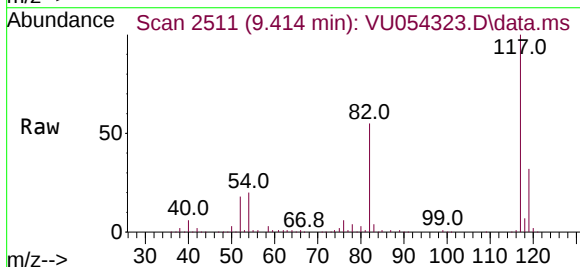
Instrument :
MSVOA_U
ClientSampleId :
RE134D2-20230523

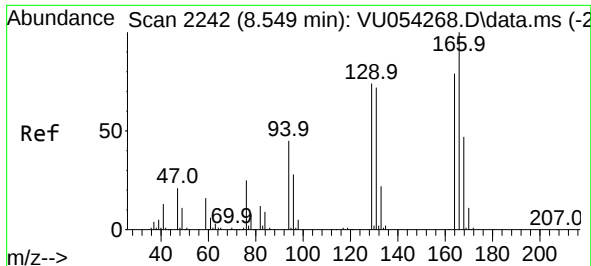
Tgt Ion: 95 Resp: 172471
Ion Ratio Lower Upper
95 100
174 84.5 0.0 182.0
176 80.5 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.414 min Scan# 2511
Delta R.T. -0.000 min
Lab File: VU054323.D
Acq: 30 May 2023 18:55

Tgt Ion: 117 Resp: 383489
Ion Ratio Lower Upper
117 100
82 54.6 41.7 62.5
119 31.9 25.7 38.5



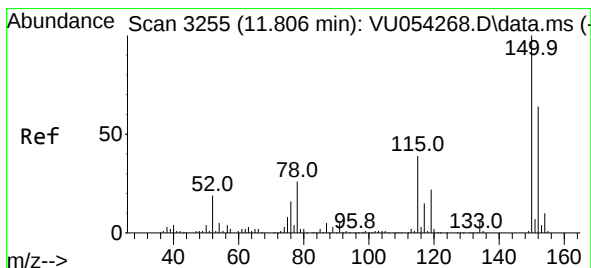
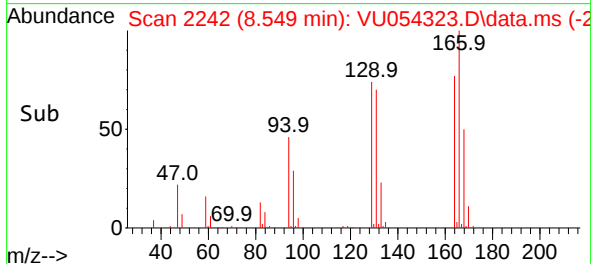
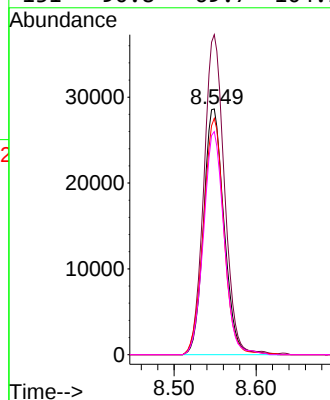
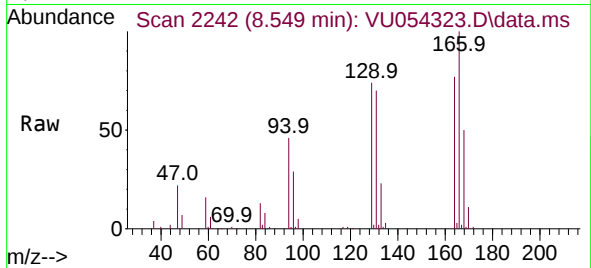


#64
Tetrachloroethene
Concen: 17.196 ug/l
RT: 8.549 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054323.D
Acq: 30 May 2023 18:55

Instrument :
MSVOA_U
ClientSampleId :
RE134D2-20230523

Tgt Ion:164 Resp: 49632

Ion	Ratio	Lower	Upper
164	100		
166	130.2	100.0	150.0
129	96.2	72.0	108.0
131	90.8	69.7	104.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.806 min Scan# 3255
Delta R.T. -0.000 min
Lab File: VU054323.D
Acq: 30 May 2023 18:55

Tgt Ion:152 Resp: 185665

Ion	Ratio	Lower	Upper
152	100		
115	58.2	37.0	110.9
150	156.1	0.0	342.2

