

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053023\
 Data File : VU054313.D
 Acq On : 30 May 2023 14:58
 Operator : JC/MD
 Sample : 02912-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE115D1-20230522

Quant Time: May 31 06:27:01 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)

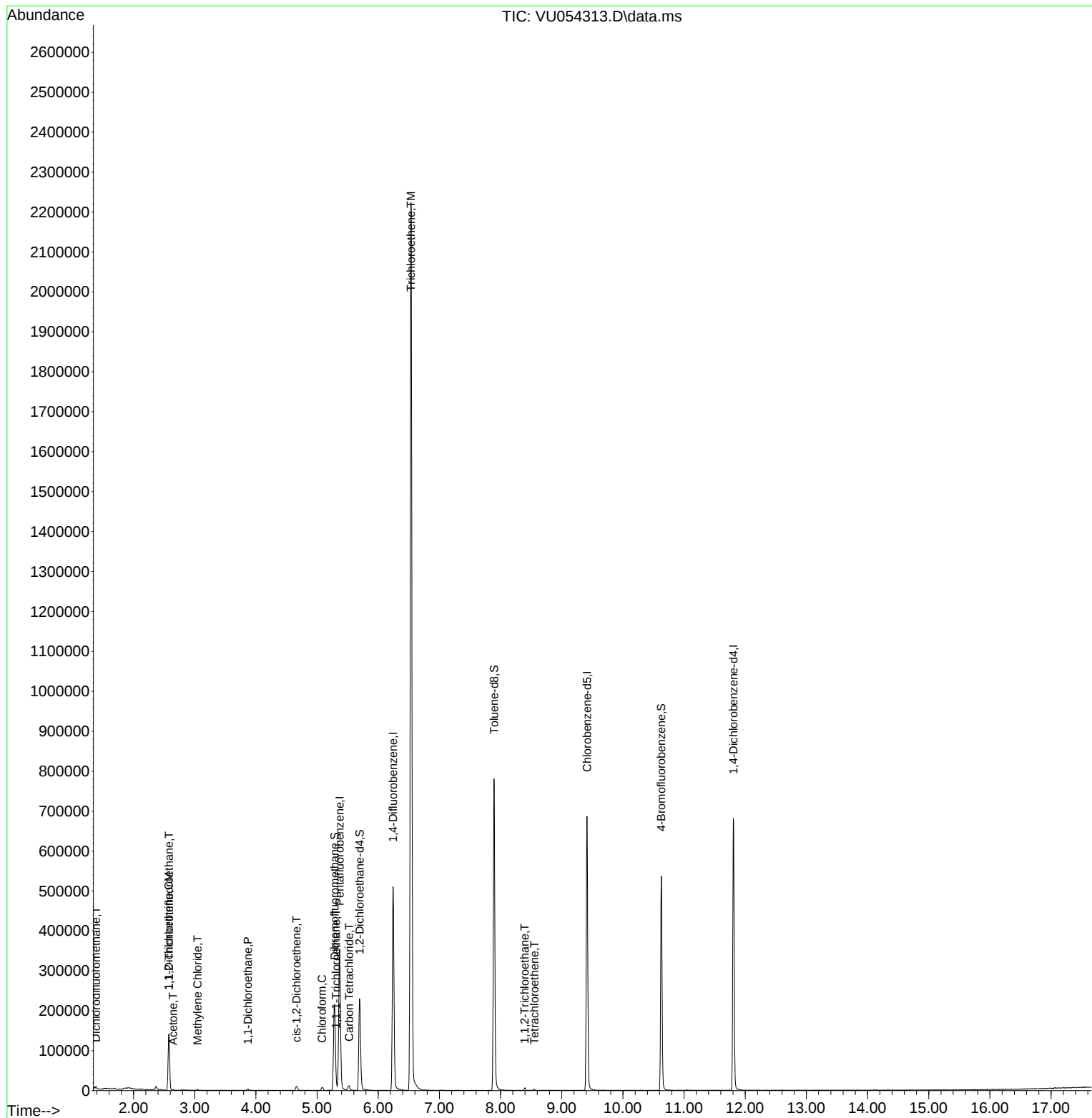
Internal Standards						
1) Pentafluorobenzene	5.369	168	257632	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	424844	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	395073	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	191055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.697	65	173114	51.258	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.520%	
35) Dibromofluoromethane	5.285	113	141001	51.537	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.080%	
50) Toluene-d8	7.893	98	526144	50.559	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.120%	
62) 4-Bromofluorobenzene	10.629	95	181400	44.956	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 89.920%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	2726	0.948	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.578	101	38800	14.497	ug/l	96
12) 1,1-Dichloroethene	2.575	96	15094	5.447	ug/l	93
16) Acetone	2.645	43	1997	1.032	ug/l	94
20) Methylene Chloride	3.044	84	1576	0.451	ug/l	96
24) 1,1-Dichloroethane	3.870	63	4321	0.792	ug/l #	92
27) cis-1,2-Dichloroethene	4.665	96	6283	1.904	ug/l	94
30) Chloroform	5.083	83	7275	1.312	ug/l	99
32) 1,1,1-Trichloroethane	5.311	97	2119	0.440	ug/l #	51
38) Carbon Tetrachloride	5.526	117	8289	1.885	ug/l	89
44) Trichloroethene	6.536	130	779313	227.446	ug/l	92
55) 1,1,2-Trichloroethane	8.394	97	2196	0.678	ug/l	90
64) Tetrachloroethene	8.552	164	729	0.245	ug/l	87

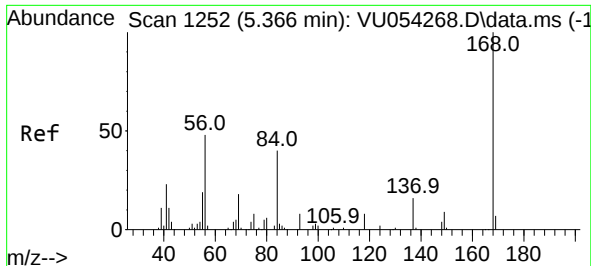
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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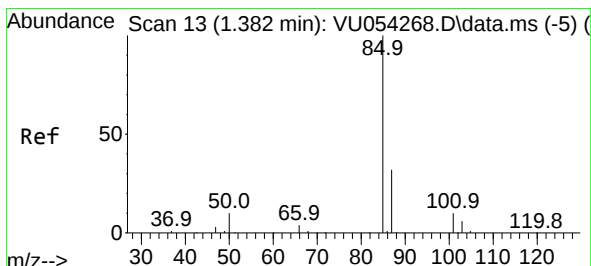
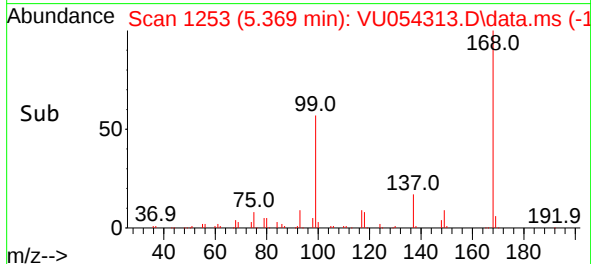
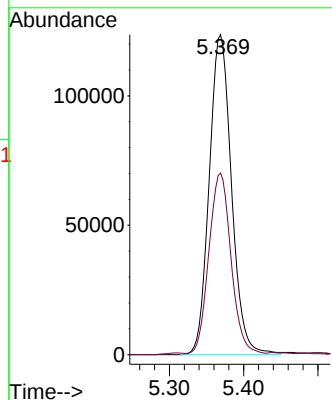
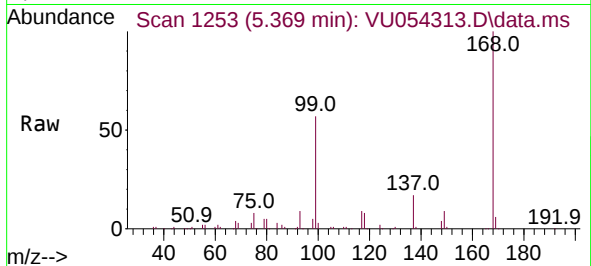




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054313.D
Acq: 30 May 2023 14:58

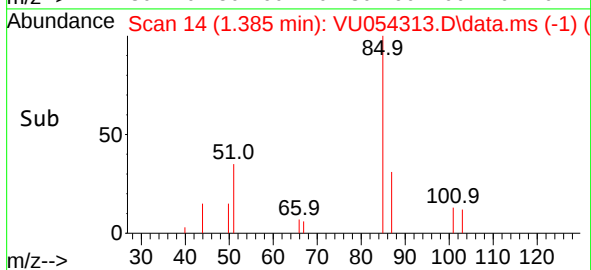
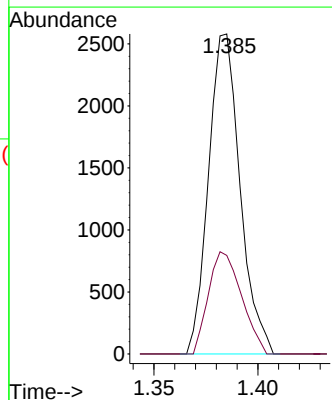
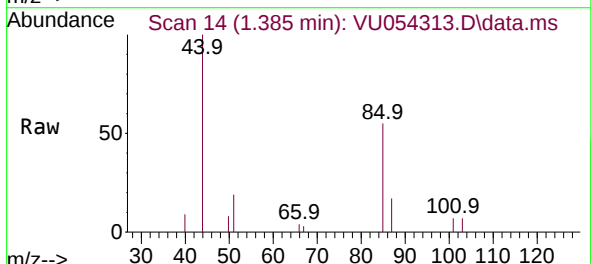
Instrument :
MSVOA_U
ClientSampleId :
RE115D1-20230522

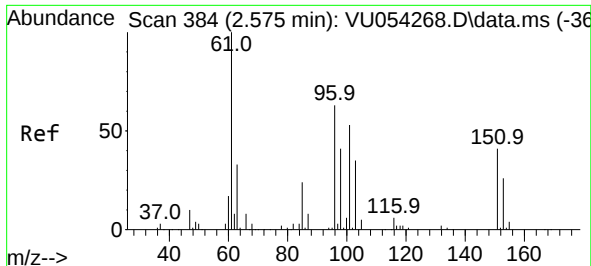
Tgt Ion:168 Resp: 257632
Ion Ratio Lower Upper
168 100
99 56.3 39.3 58.9



#2
Dichlorodifluoromethane
Concen: 0.948 ug/l
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU054313.D
Acq: 30 May 2023 14:58

Tgt Ion: 85 Resp: 2726
Ion Ratio Lower Upper
85 100
87 30.8 16.4 49.2

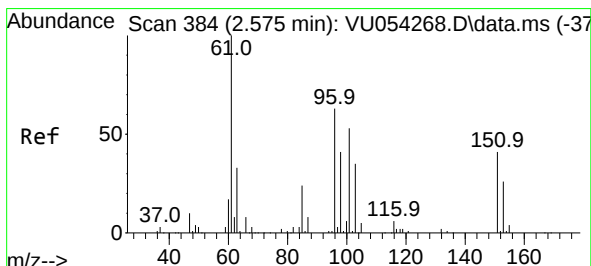
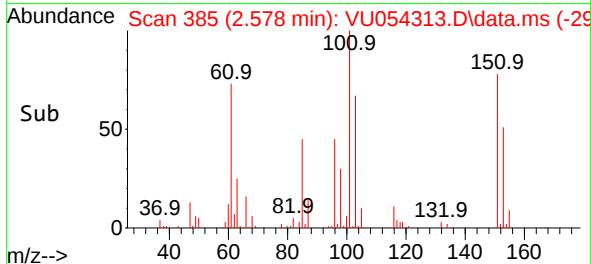
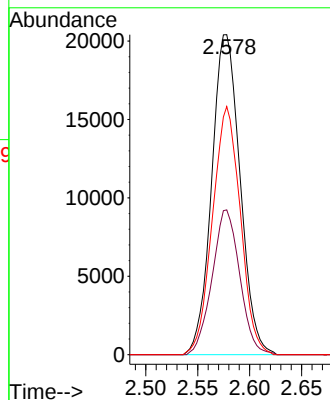
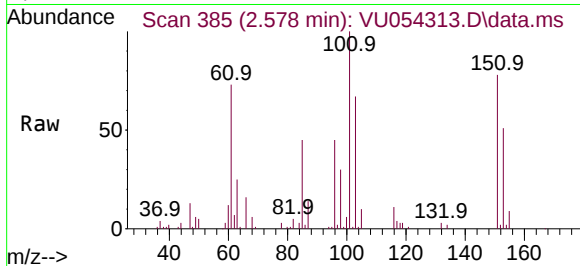




#9
1,1,2-Trichlorotrifluoroethane
Concen: 14.497 ug/l
RT: 2.578 min Scan# 385
Delta R.T. 0.003 min
Lab File: VU054313.D
Acq: 30 May 2023 14:58

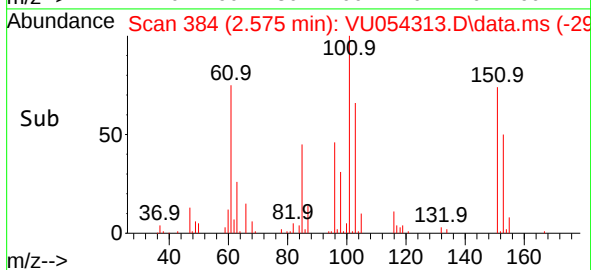
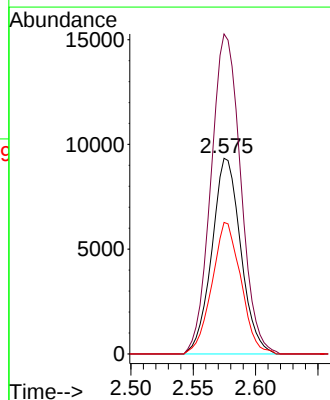
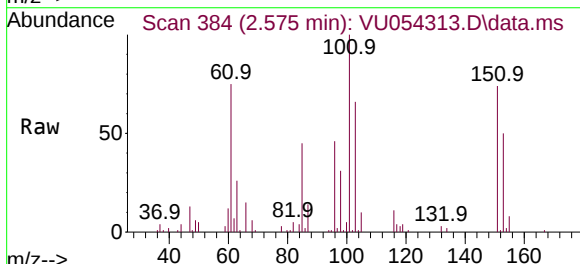
Instrument :
MSVOA_U
ClientSampleId :
RE115D1-20230522

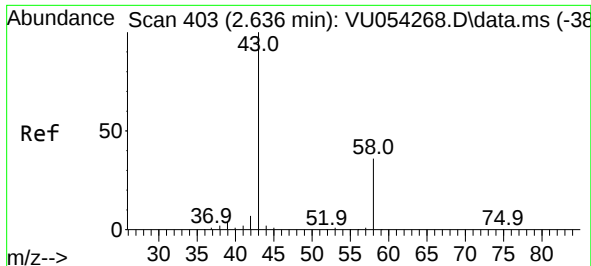
Tgt Ion:101 Resp: 38800
Ion Ratio Lower Upper
101 100
85 44.1 33.9 50.9
151 76.1 64.0 96.0



#12
1,1-Dichloroethene
Concen: 5.447 ug/l
RT: 2.575 min Scan# 384
Delta R.T. -0.000 min
Lab File: VU054313.D
Acq: 30 May 2023 14:58

Tgt Ion: 96 Resp: 15094
Ion Ratio Lower Upper
96 100
61 163.6 122.2 183.2
98 67.2 50.7 76.1

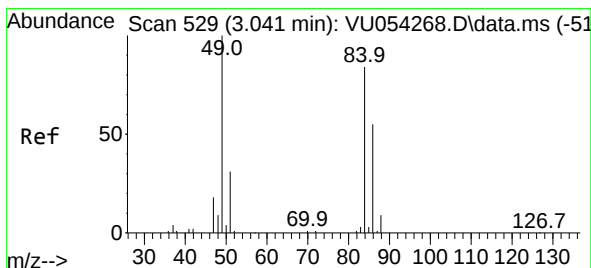
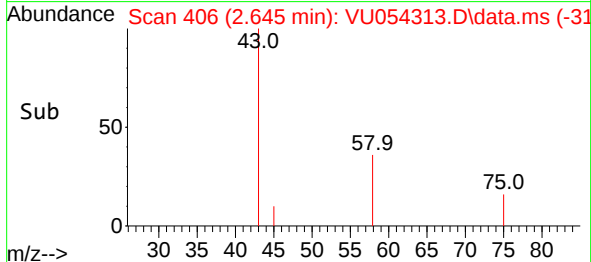
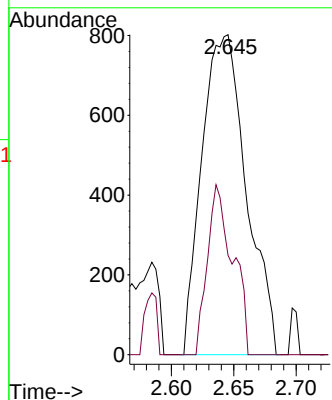
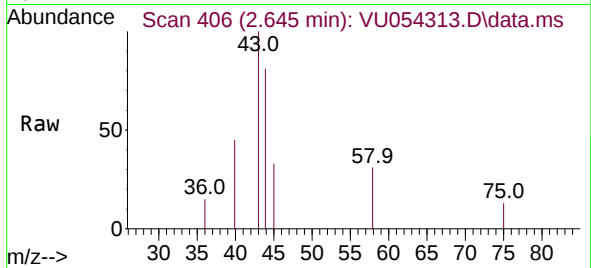




#16
Acetone
Concen: 1.032 ug/l
RT: 2.645 min Scan# 403
Delta R.T. 0.009 min
Lab File: VU054313.D
Acq: 30 May 2023 14:58

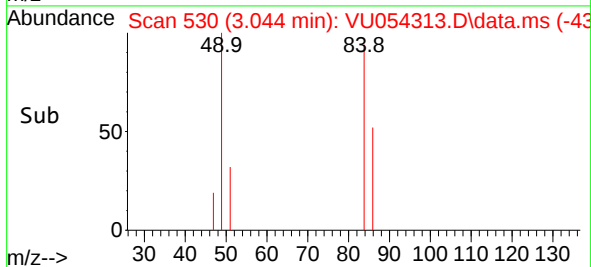
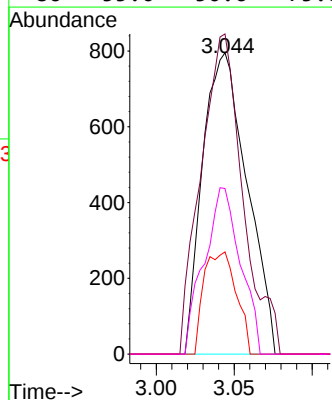
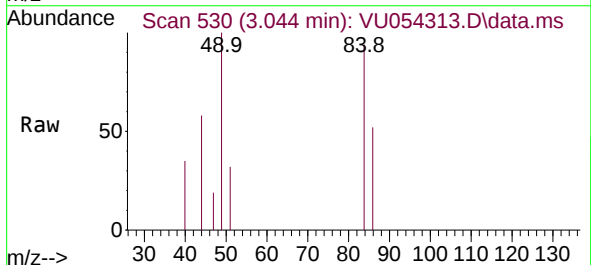
Instrument :
MSVOA_U
ClientSampleId :
RE115D1-20230522

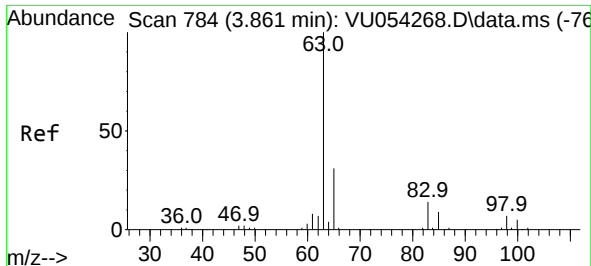
Tgt Ion: 43 Resp: 1997
Ion Ratio Lower Upper
43 100
58 31.0 27.5 41.3



#20
Methylene Chloride
Concen: 0.451 ug/l
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU054313.D
Acq: 30 May 2023 14:58

Tgt Ion: 84 Resp: 1576
Ion Ratio Lower Upper
84 100
49 106.3 86.6 129.8
51 34.0 26.6 40.0
86 55.0 50.6 75.8

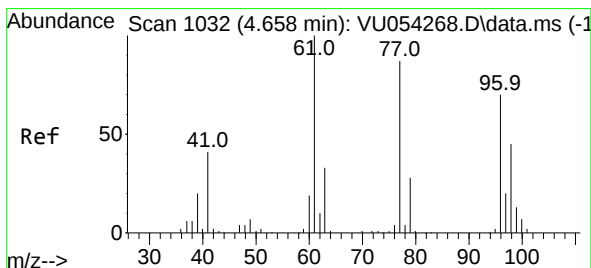
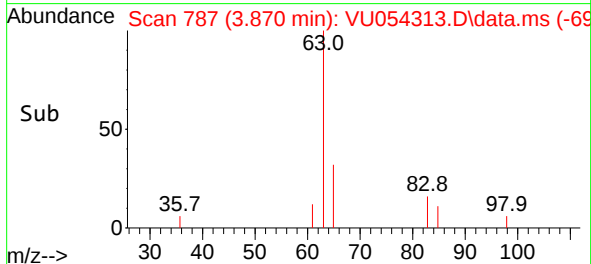
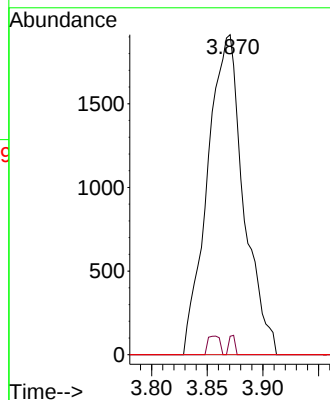
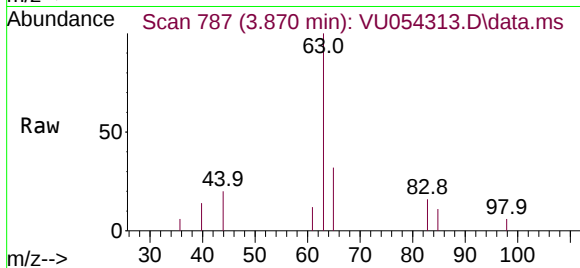




#24
 1,1-Dichloroethane
 Concen: 0.792 ug/l
 RT: 3.870 min Scan# 71
 Delta R.T. 0.009 min
 Lab File: VU054313.D
 Acq: 30 May 2023 14:58

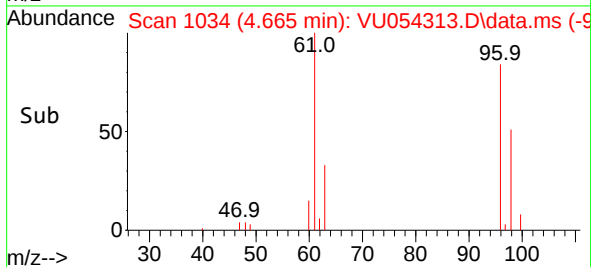
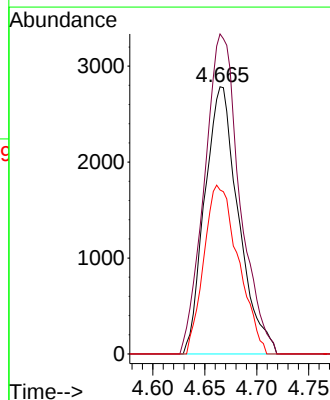
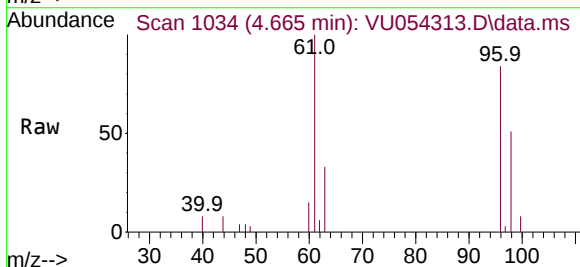
Instrument :
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 ClientSampleId :
 RE115D1-20230522

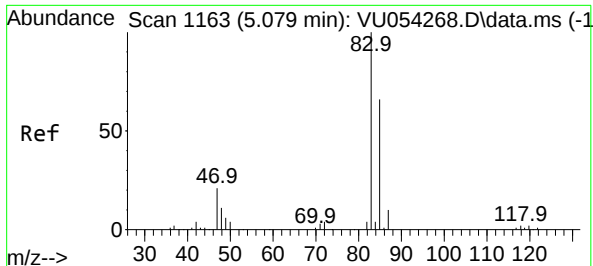
Tgt Ion: 63 Resp: 4321
 Ion Ratio Lower Upper
 63 100
 98 5.8 3.6 10.9
 100 0.0 2.4 7.2#



#27
 cis-1,2-Dichloroethene
 Concen: 1.904 ug/l
 RT: 4.665 min Scan# 1034
 Delta R.T. 0.007 min
 Lab File: VU054313.D
 Acq: 30 May 2023 14:58

Tgt Ion: 96 Resp: 6283
 Ion Ratio Lower Upper
 96 100
 61 125.4 0.0 271.6
 98 64.6 0.0 128.2





#30

Chloroform

Concen: 1.312 ug/l

RT: 5.083 min Scan# 1163

Delta R.T. 0.004 min

Lab File: VU054313.D

Acq: 30 May 2023 14:58

Instrument :

MSVOA_U

ClientSampleId :

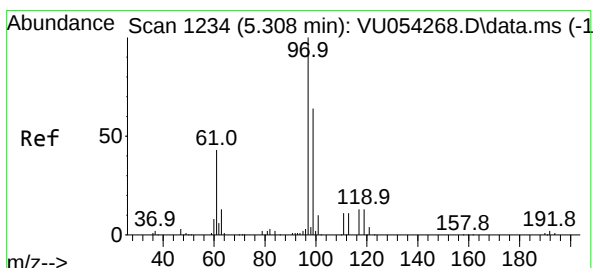
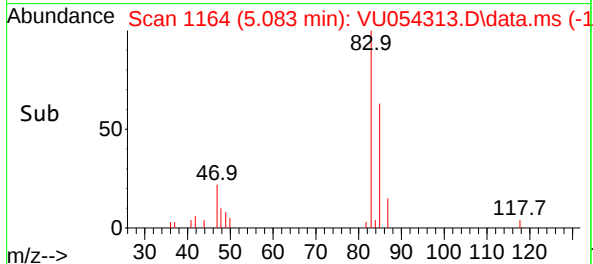
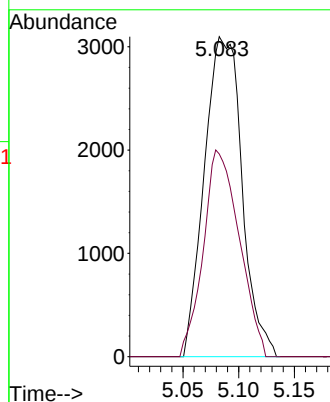
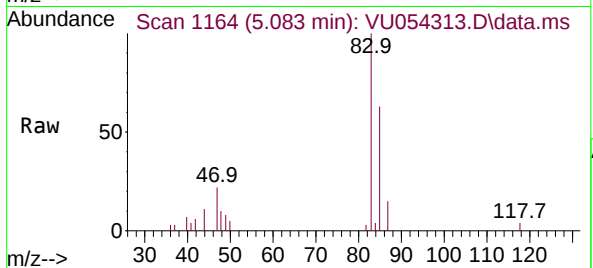
RE115D1-20230522

Tgt Ion: 83 Resp: 7275

Ion Ratio Lower Upper

83 100

85 63.3 51.2 76.8



#32

1,1,1-Trichloroethane

Concen: 0.440 ug/l

RT: 5.311 min Scan# 1235

Delta R.T. 0.003 min

Lab File: VU054313.D

Acq: 30 May 2023 14:58

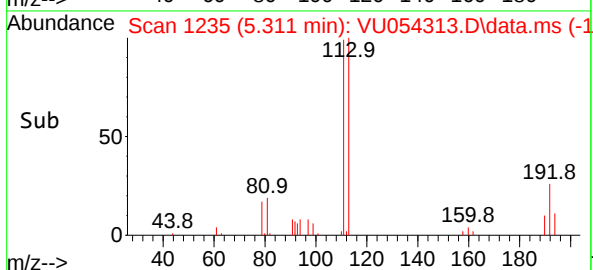
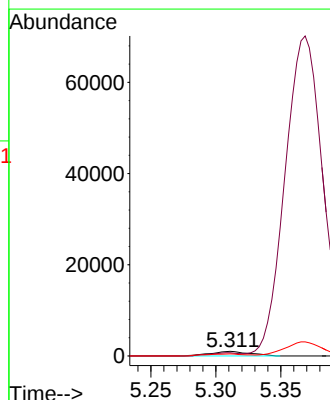
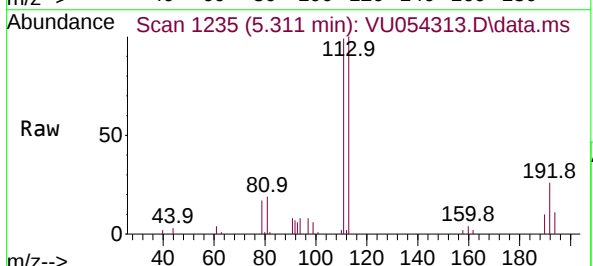
Tgt Ion: 97 Resp: 2119

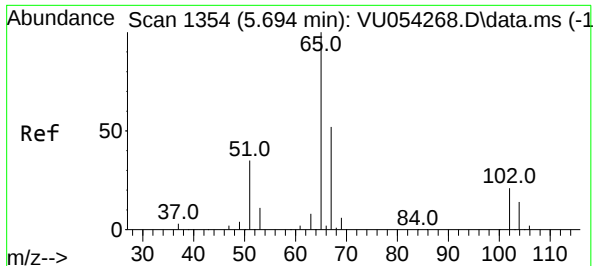
Ion Ratio Lower Upper

97 100

99 0.0 51.8 77.6#

61 44.4 35.1 52.7





#33

1,2-Dichloroethane-d4

Concen: 51.258 ug/l

RT: 5.697 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU054313.D

Acq: 30 May 2023 14:58

Instrument :

MSVOA_U

ClientSampleId :

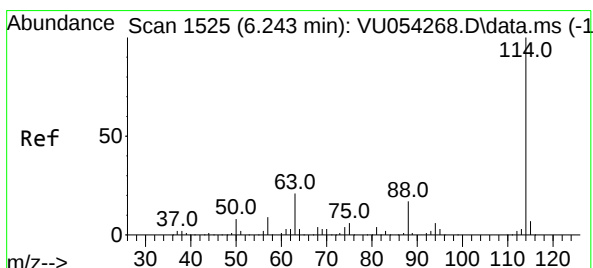
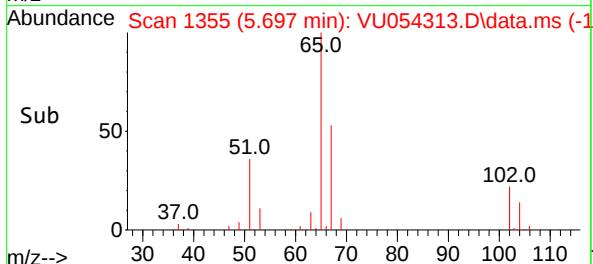
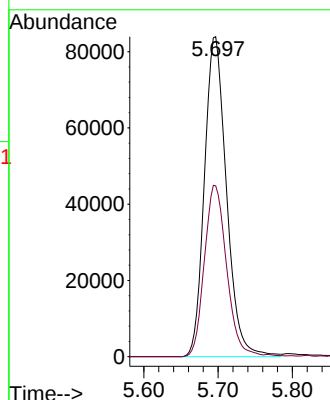
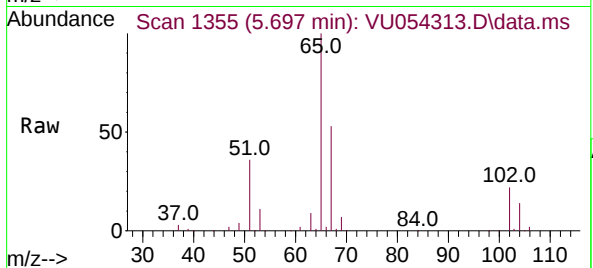
RE115D1-20230522

Tgt Ion: 65 Resp: 173114

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# 1525

Delta R.T. 0.000 min

Lab File: VU054313.D

Acq: 30 May 2023 14:58

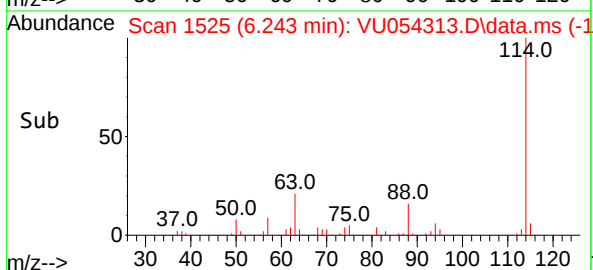
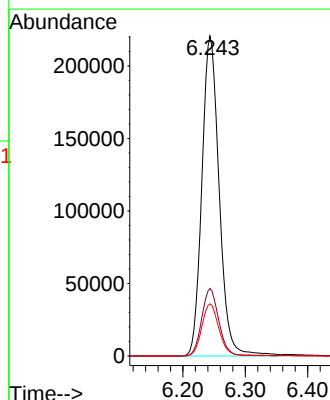
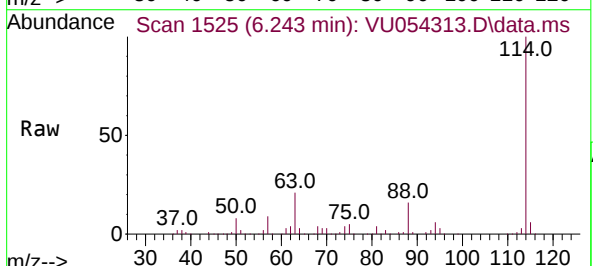
Tgt Ion: 114 Resp: 424844

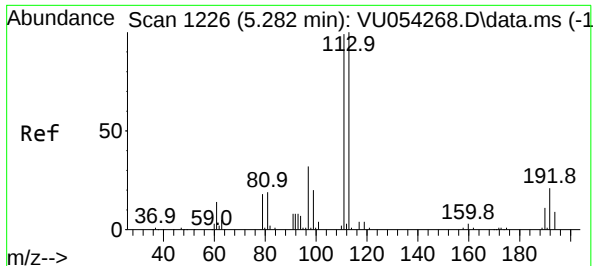
Ion Ratio Lower Upper

114 100

63 21.1 0.0 37.8

88 16.3 0.0 29.2





#35

Dibromofluoromethane

Concen: 51.537 ug/l

RT: 5.285 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU054313.D

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Instrument :

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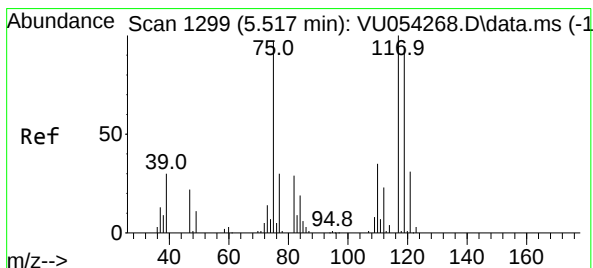
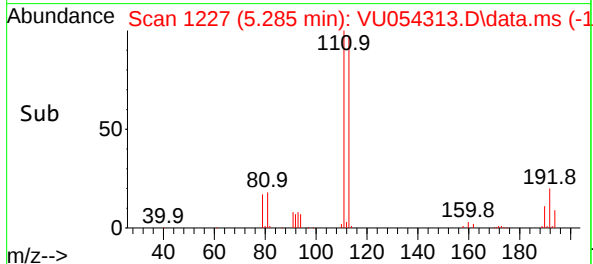
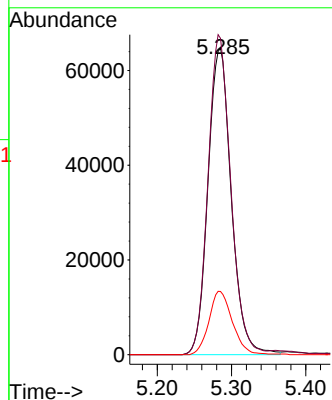
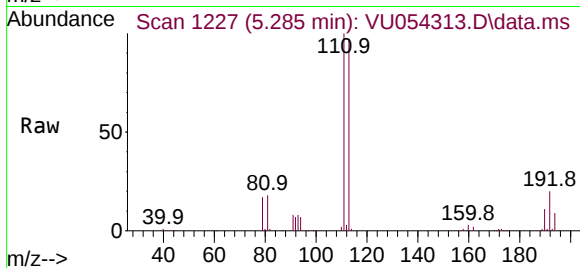
Tgt Ion:113 Resp: 141001

Ion Ratio Lower Upper

113 100

111 101.9 82.1 123.1

192 20.8 18.0 27.0



#38

Carbon Tetrachloride

Concen: 1.885 ug/l

RT: 5.526 min Scan# 1302

Delta R.T. 0.009 min

Lab File: VU054313.D

Acq: 30 May 2023 14:58

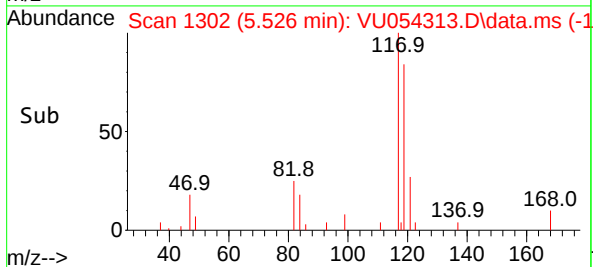
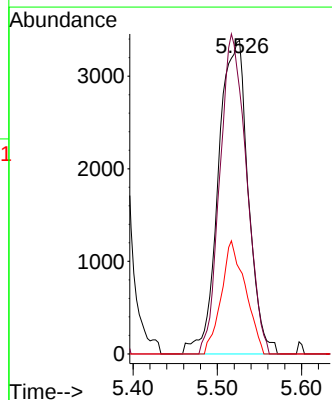
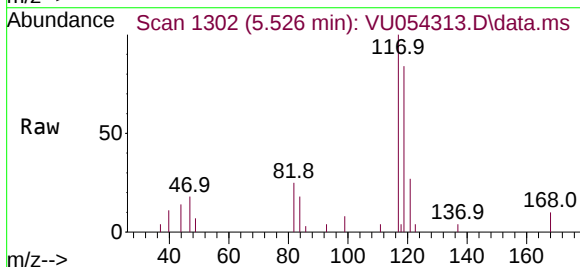
Tgt Ion:117 Resp: 8289

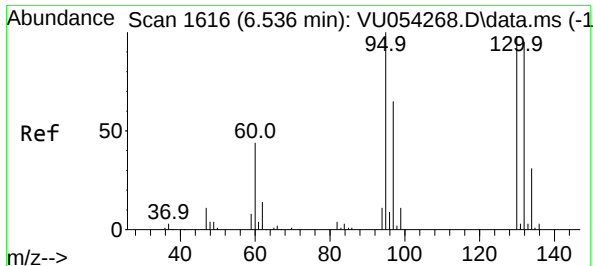
Ion Ratio Lower Upper

117 100

119 84.4 76.8 115.2

121 27.0 24.7 37.1

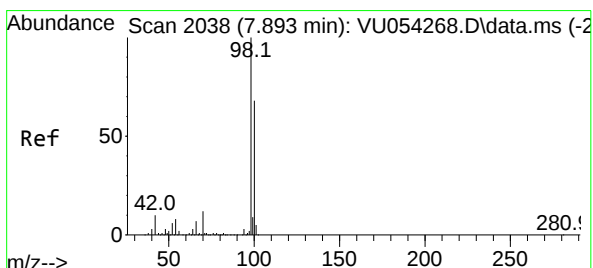
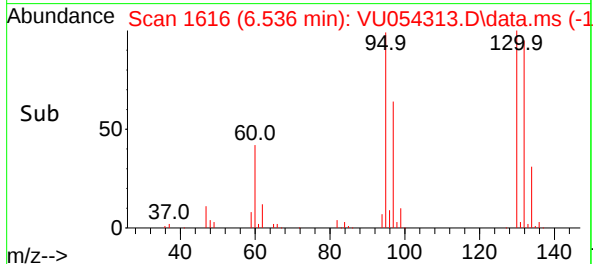
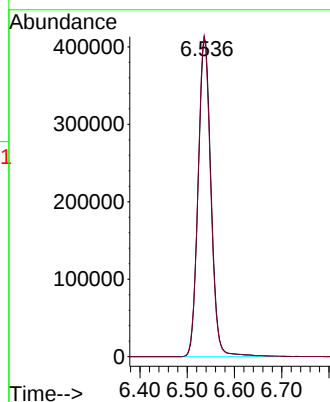
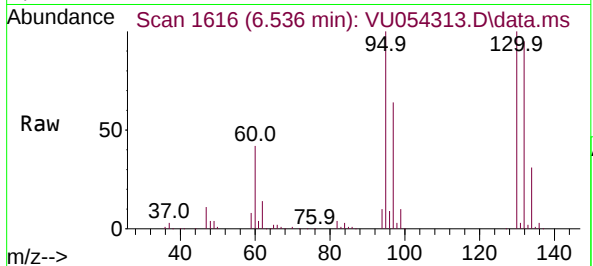




#44
Trichloroethene
Concen: 227.446 ug/l
RT: 6.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU054313.D
Acq: 30 May 2023 14:58

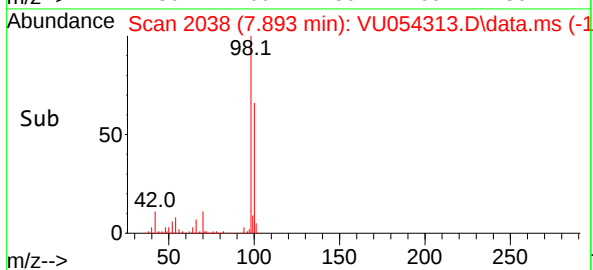
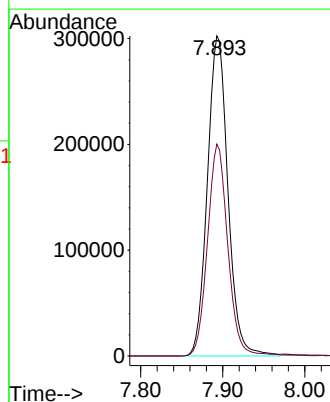
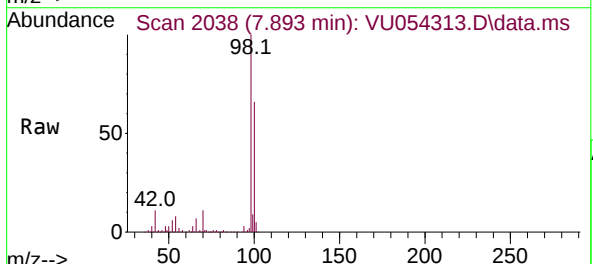
Instrument :
MSVOA_U
ClientSampleId :
RE115D1-20230522

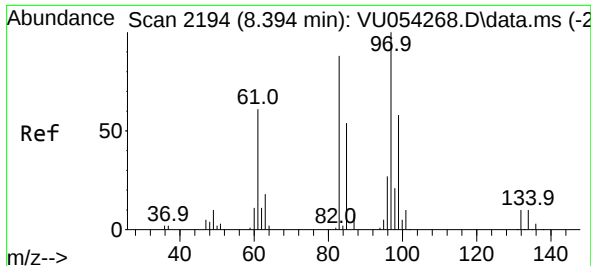
Tgt Ion:130 Resp: 779313
Ion Ratio Lower Upper
130 100
95 100.0 0.0 184.6



#50
Toluene-d8
Concen: 50.559 ug/l
RT: 7.893 min Scan# 2038
Delta R.T. -0.000 min
Lab File: VU054313.D
Acq: 30 May 2023 14:58

Tgt Ion: 98 Resp: 526144
Ion Ratio Lower Upper
98 100
100 65.4 51.7 77.5

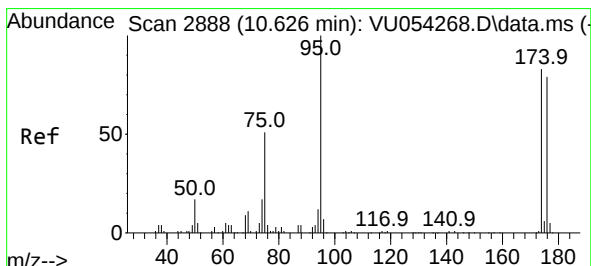
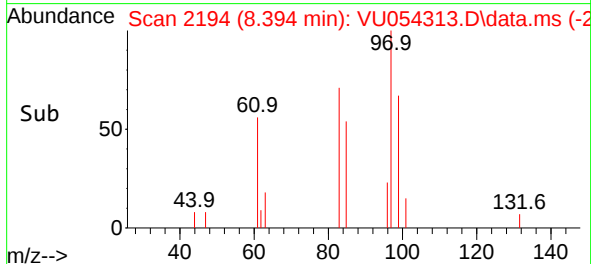
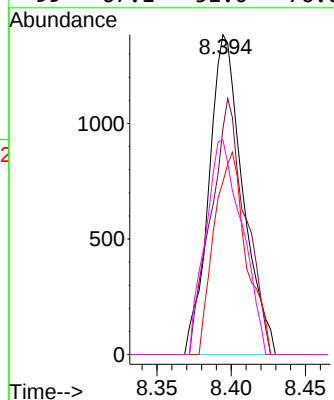
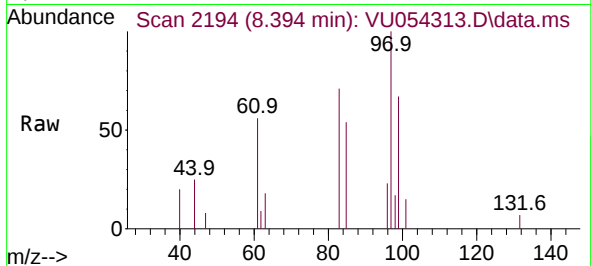




#55
1,1,2-Trichloroethane
Concen: 0.678 ug/l
RT: 8.394 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU054313.D
Acq: 30 May 2023 14:58

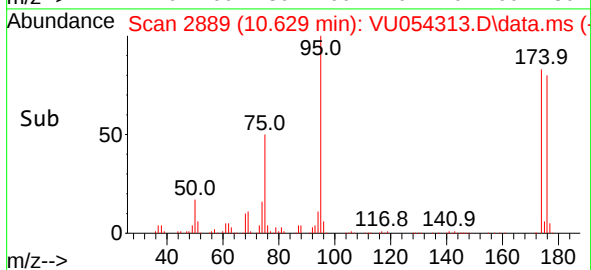
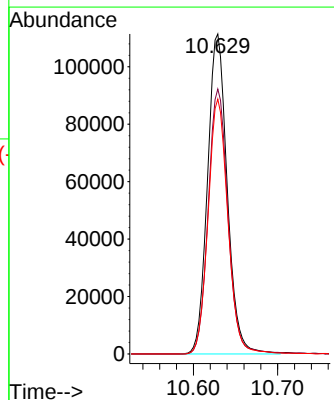
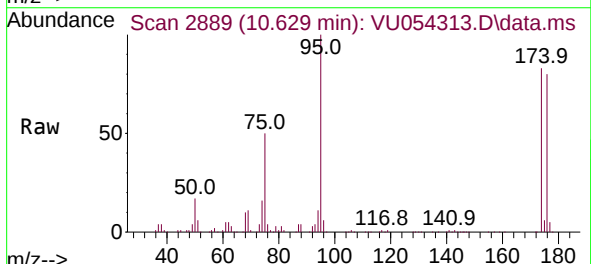
Instrument :
MSVOA_U
ClientSampleId :
RE115D1-20230522

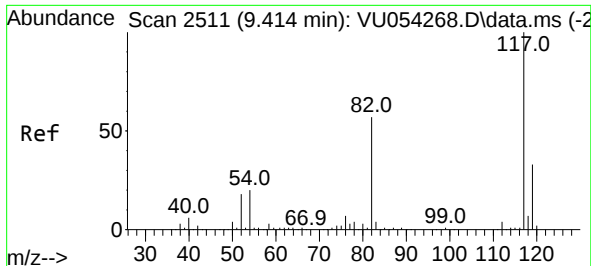
Tgt Ion: 97	Resp: 2196
Ion Ratio	Lower Upper
97 100	
83 70.7	70.2 105.4
85 54.0	44.6 66.8
99 67.1	51.0 76.6



#62
4-Bromofluorobenzene
Concen: 44.956 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. 0.003 min
Lab File: VU054313.D
Acq: 30 May 2023 14:58

Tgt Ion: 95	Resp: 181400
Ion Ratio	Lower Upper
95 100	
174 82.9	0.0 182.0
176 80.2	0.0 177.8

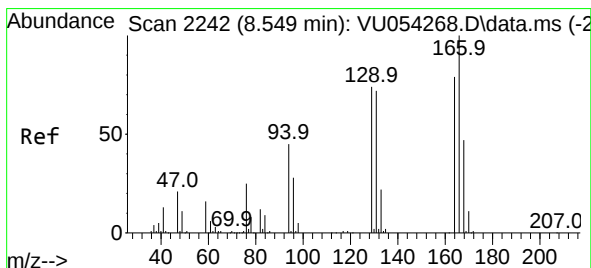
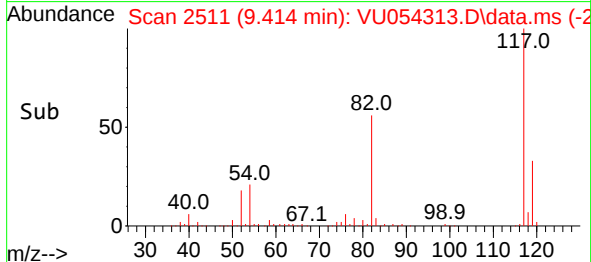
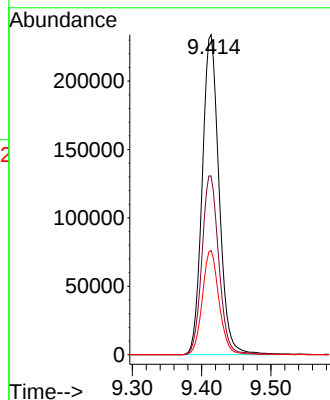
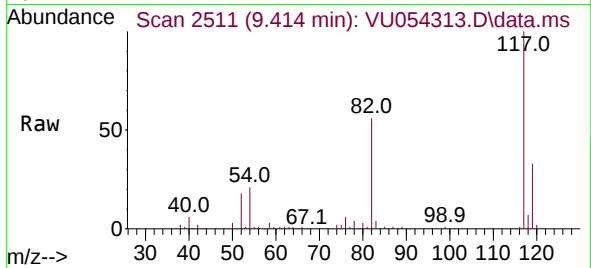




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.414 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054313.D
Acq: 30 May 2023 14:58

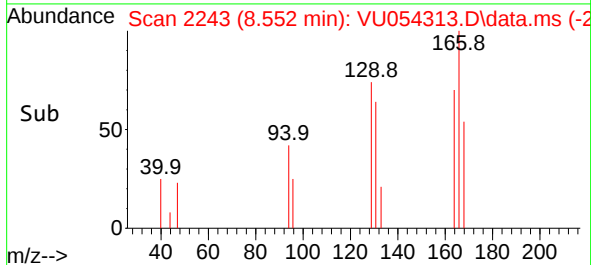
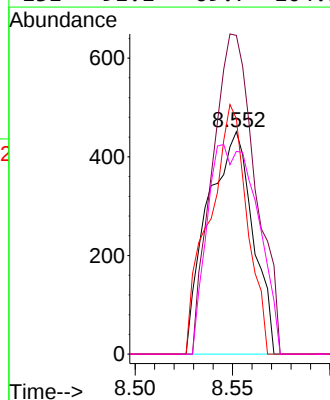
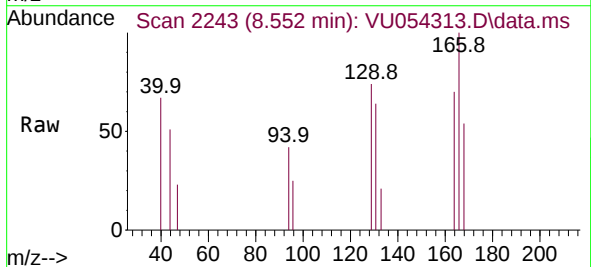
Instrument :
MSVOA_U
ClientSampleId :
RE115D1-20230522

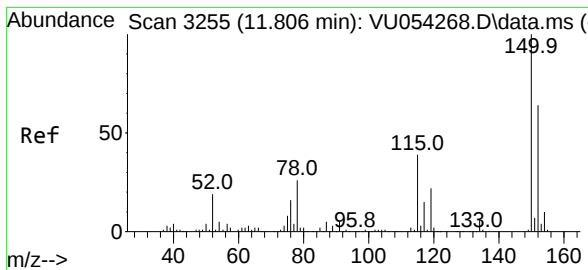
Tgt Ion:117 Resp: 395073
Ion Ratio Lower Upper
117 100
82 55.8 41.7 62.5
119 32.5 25.7 38.5



#64
Tetrachloroethene
Concen: 0.245 ug/l
RT: 8.552 min Scan# 2243
Delta R.T. 0.003 min
Lab File: VU054313.D
Acq: 30 May 2023 14:58

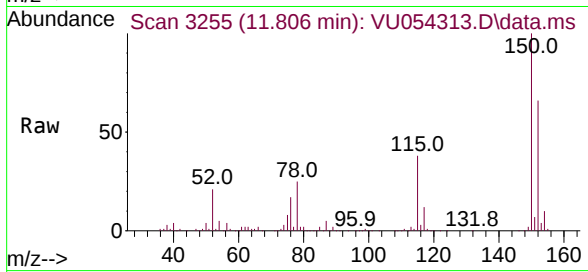
Tgt Ion:164 Resp: 729
Ion Ratio Lower Upper
164 100
166 143.2 100.0 150.0
129 105.8 72.0 108.0
131 91.1 69.7 104.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.806 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU054313.D
 Acq: 30 May 2023 14:58

Instrument :
 MSVOA_U
 ClientSampleId :
 RE115D1-20230522



Tgt Ion:152 Resp: 191055
 Ion Ratio Lower Upper
 152 100
 115 56.7 37.0 110.9
 150 153.9 0.0 342.2

