

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053023\
 Data File : VU054314.D
 Acq On : 30 May 2023 15:22
 Operator : JC/MD
 Sample : 02912-08DL 5X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE115D1-20230522DL

Quant Time: May 31 06:27:24 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)

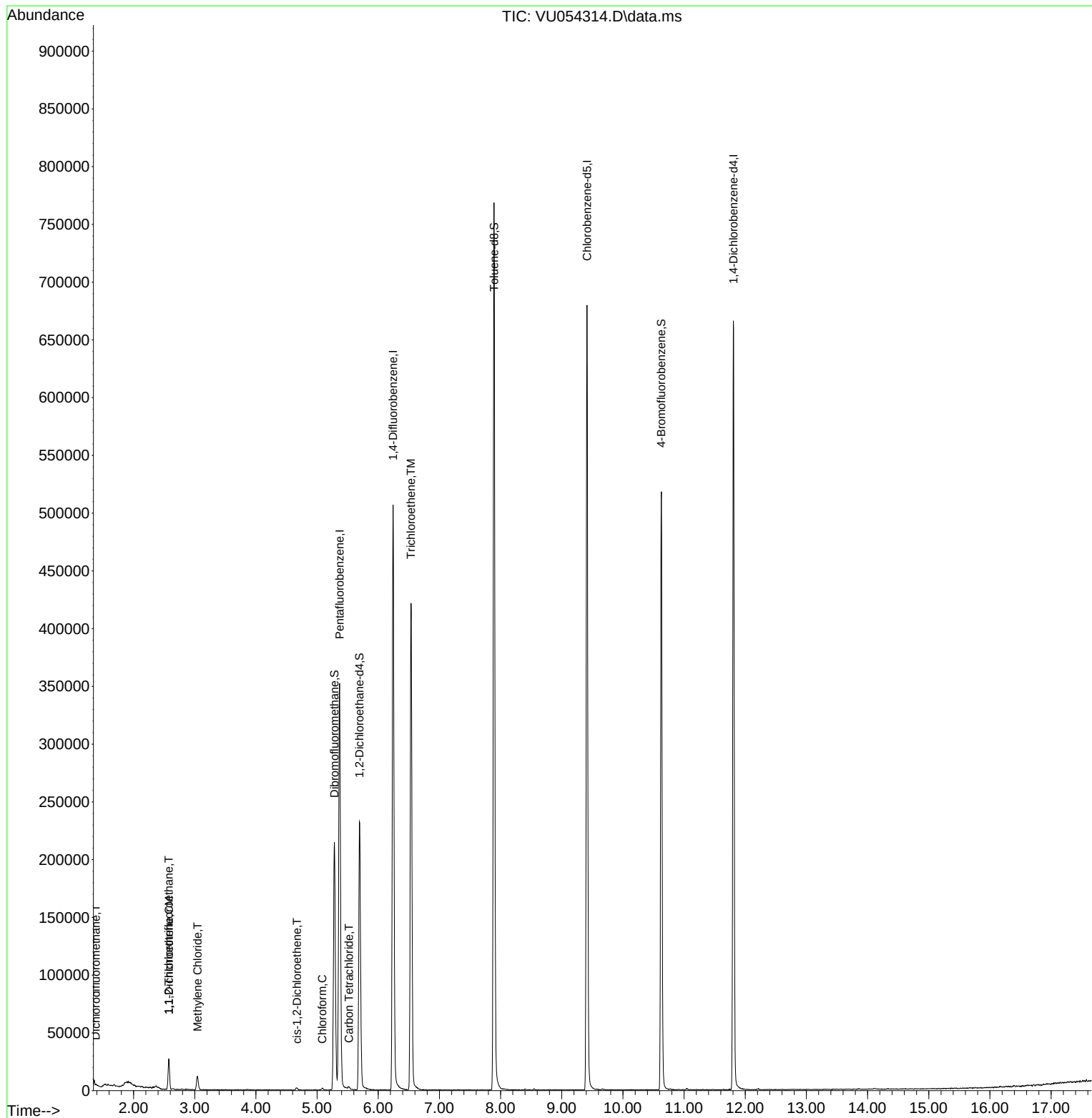
Internal Standards						
1) Pentafluorobenzene	5.369	168	254593	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	423973	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	394495	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.809	152	182637	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.694	65	175813	52.679	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.360%	
35) Dibromofluoromethane	5.282	113	138560	50.749	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.500%	
50) Toluene-d8	7.893	98	523116	50.372	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.740%	
62) 4-Bromofluorobenzene	10.629	95	175536	43.592	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 87.180%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	570	0.201	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.575	101	7618	2.880	ug/l	93
12) 1,1-Dichloroethene	2.578	96	3079	1.124	ug/l	96
20) Methylene Chloride	3.044	84	6618	1.918	ug/l #	91
27) cis-1,2-Dichloroethene	4.671	96	972	0.298	ug/l	78
30) Chloroform	5.086	83	1377	0.251	ug/l #	83
38) Carbon Tetrachloride	5.520	117	1679	0.383	ug/l	85
44) Trichloroethene	6.536	130	151243	44.232	ug/l	94

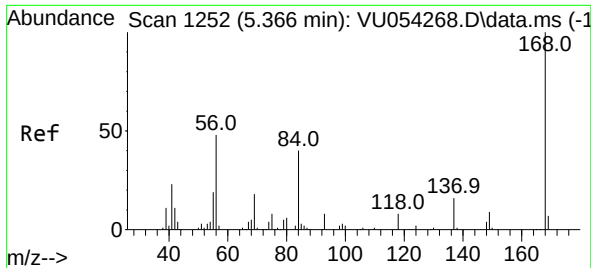
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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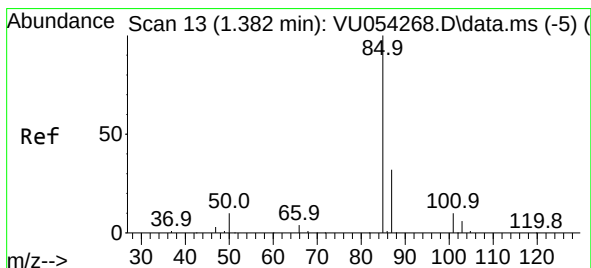
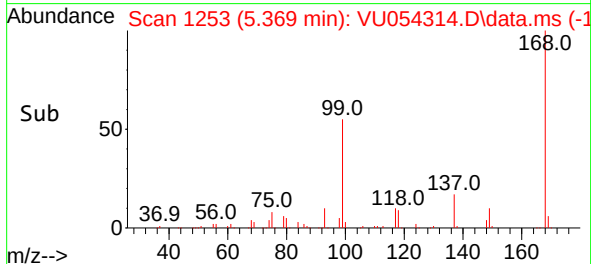
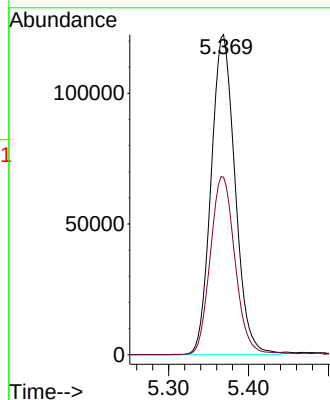
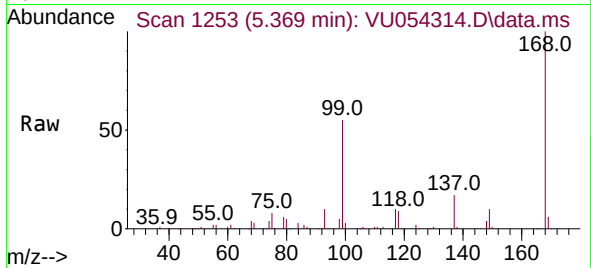




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054314.D
Acq: 30 May 2023 15:22

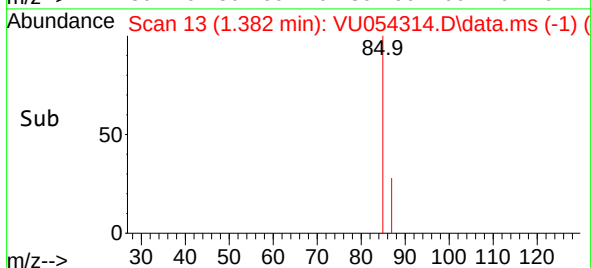
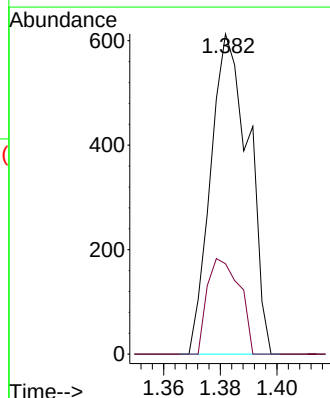
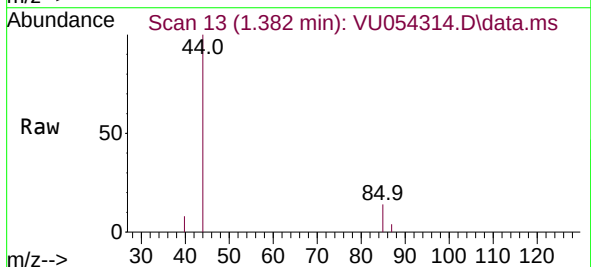
Instrument :
MSVOA_U
ClientSampleId :
RE115D1-20230522DL

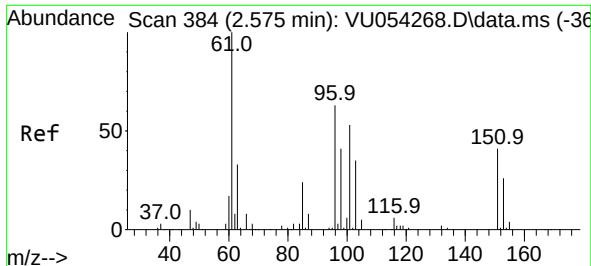
Tgt Ion:168 Resp: 254593
Ion Ratio Lower Upper
168 100
99 55.4 39.3 58.9



#2
Dichlorodifluoromethane
Concen: 0.201 ug/l
RT: 1.382 min Scan# 13
Delta R.T. -0.000 min
Lab File: VU054314.D
Acq: 30 May 2023 15:22

Tgt Ion: 85 Resp: 570
Ion Ratio Lower Upper
85 100
87 28.2 16.4 49.2

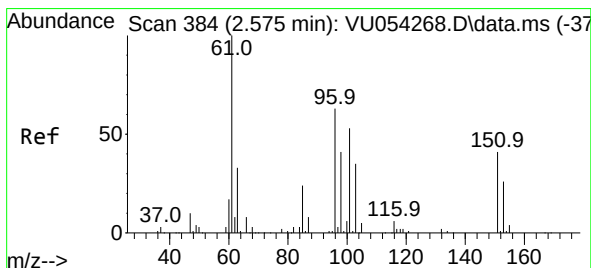
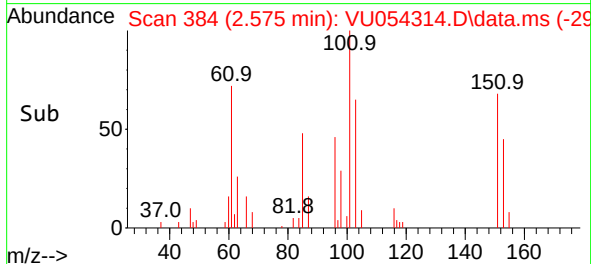
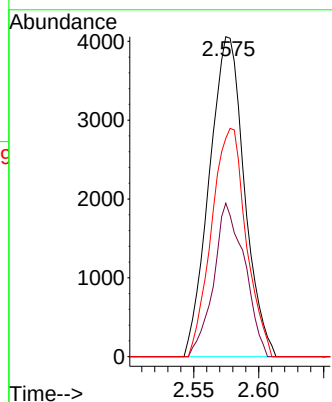
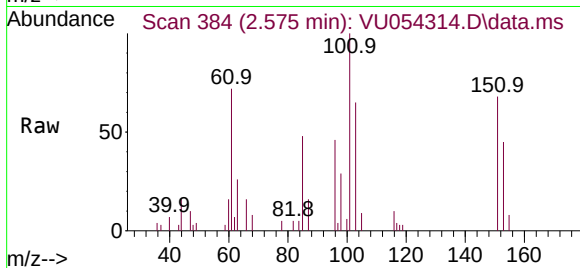




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.880 ug/l
RT: 2.575 min Scan# 384
Delta R.T. -0.000 min
Lab File: VU054314.D
Acq: 30 May 2023 15:22

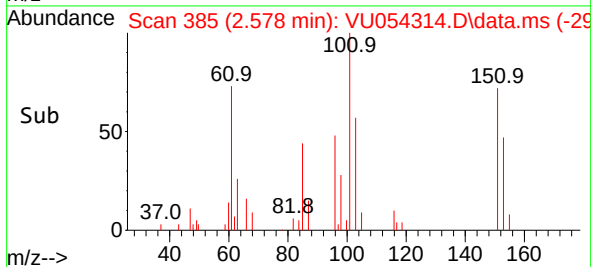
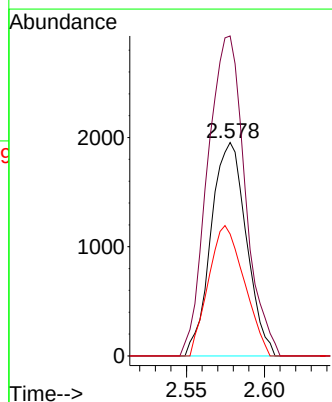
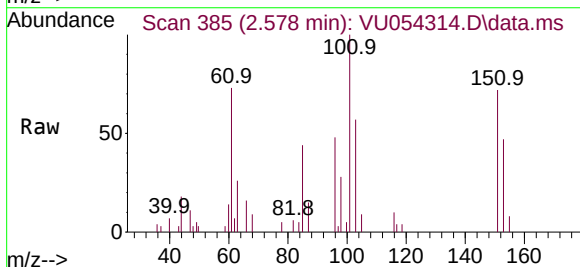
Instrument :
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ClientSampleId :
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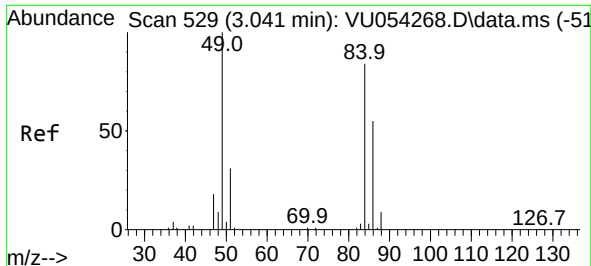
Tgt Ion:101 Resp: 7618
Ion Ratio Lower Upper
101 100
85 42.2 33.9 50.9
151 70.0 64.0 96.0



#12
1,1-Dichloroethene
Concen: 1.124 ug/l
RT: 2.578 min Scan# 385
Delta R.T. 0.003 min
Lab File: VU054314.D
Acq: 30 May 2023 15:22

Tgt Ion: 96 Resp: 3079
Ion Ratio Lower Upper
96 100
61 149.9 122.2 183.2
98 57.1 50.7 76.1

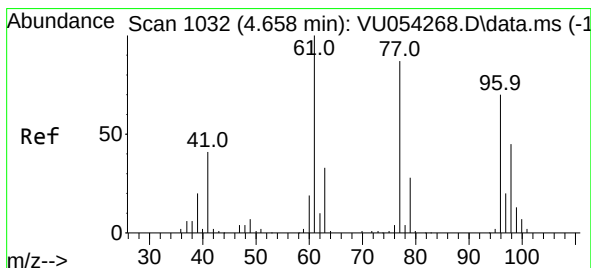
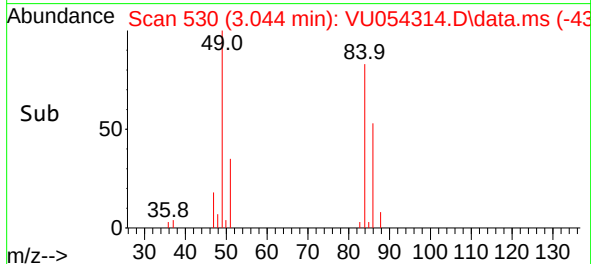
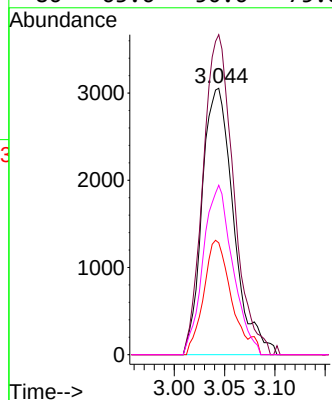
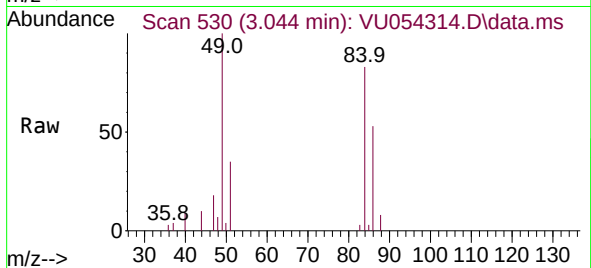




#20
Methylene Chloride
Concen: 1.918 ug/l
RT: 3.044 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU054314.D
Acq: 30 May 2023 15:22

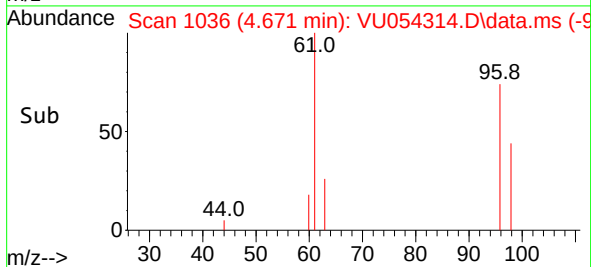
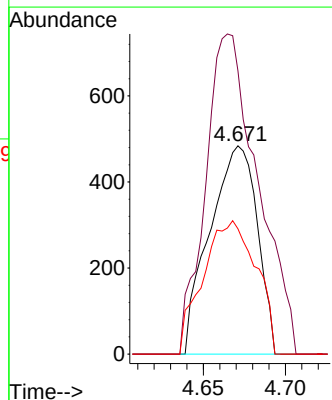
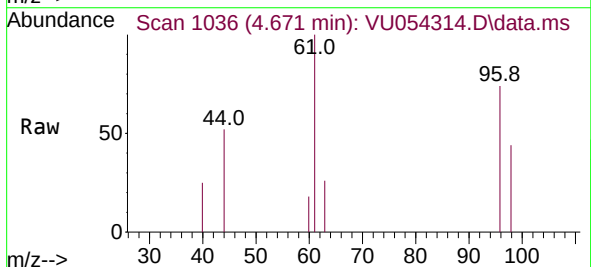
Instrument :
MSVOA_U
ClientSampleId :
RE115D1-20230522DL

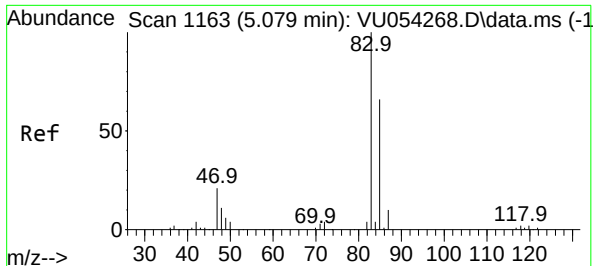
Tgt Ion:	84	Resp:	6618
Ion	Ratio	Lower	Upper
84	100		
49	120.1	86.6	129.8
51	42.0	26.6	40.0#
86	63.6	50.6	75.8



#27
cis-1,2-Dichloroethene
Concen: 0.298 ug/l
RT: 4.671 min Scan# 1036
Delta R.T. 0.013 min
Lab File: VU054314.D
Acq: 30 May 2023 15:22

Tgt Ion:	96	Resp:	972
Ion	Ratio	Lower	Upper
96	100		
61	169.0	0.0	271.6
98	71.8	0.0	128.2





#30

Chloroform

Concen: 0.251 ug/l

RT: 5.086 min Scan# 1165

Delta R.T. 0.007 min

Lab File: VU054314.D

Acq: 30 May 2023 15:22

Instrument :

MSVOA_U

ClientSampleId :

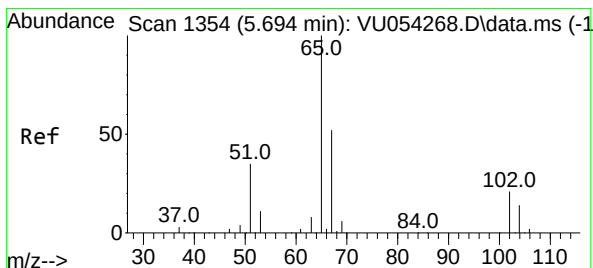
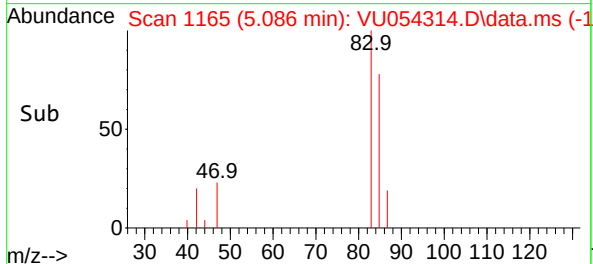
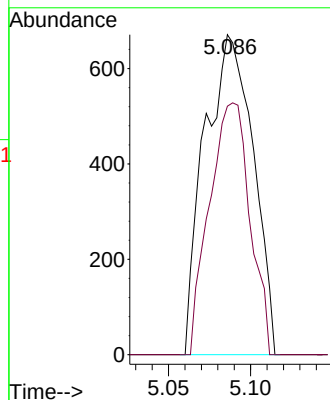
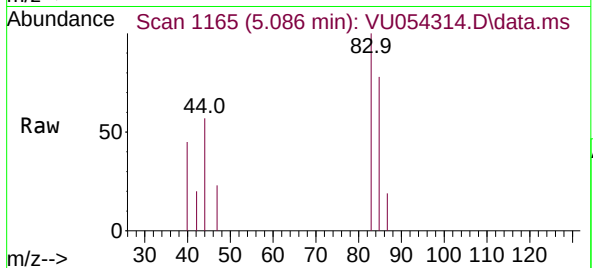
RE115D1-20230522DL

Tgt Ion: 83 Resp: 1377

Ion Ratio Lower Upper

83 100

85 77.6 51.2 76.8#



#33

1,2-Dichloroethane-d4

Concen: 52.679 ug/l

RT: 5.694 min Scan# 1354

Delta R.T. -0.000 min

Lab File: VU054314.D

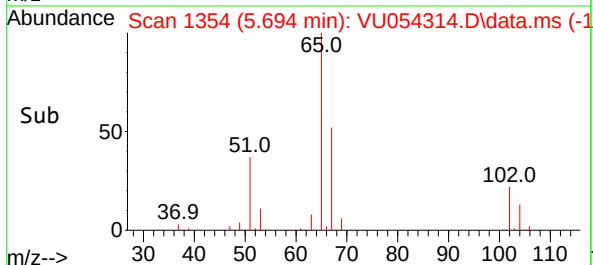
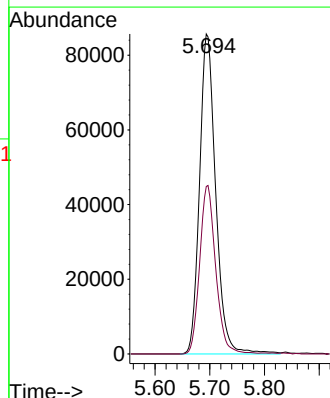
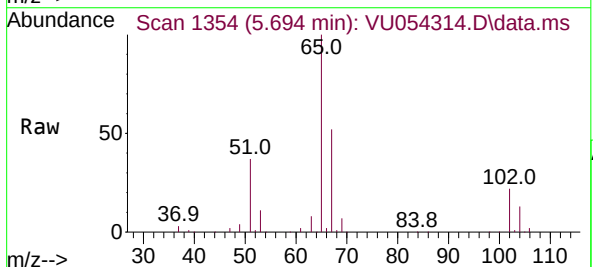
Acq: 30 May 2023 15:22

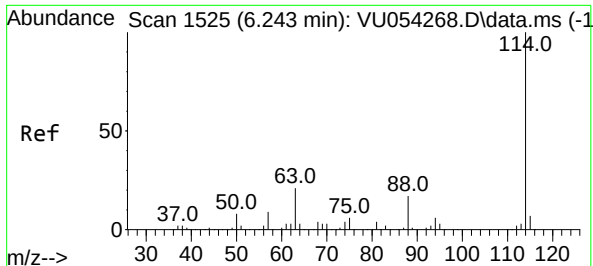
Tgt Ion: 65 Resp: 175813

Ion Ratio Lower Upper

65 100

67 52.2 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: VU054314.D

Acq: 30 May 2023 15:22

Instrument :

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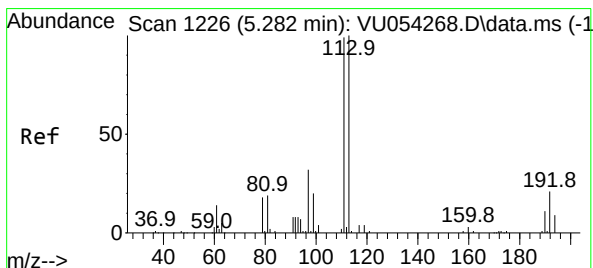
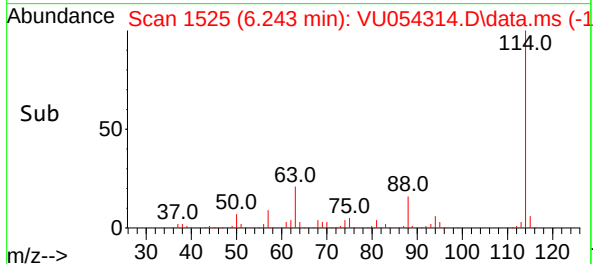
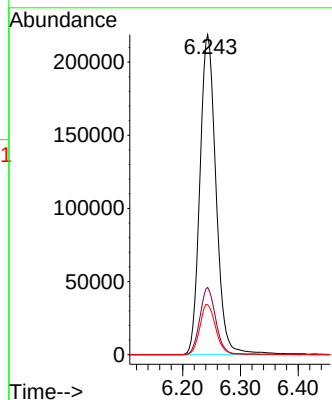
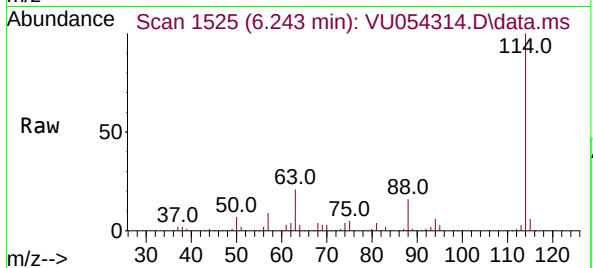
Tgt Ion:114 Resp: 423973

Ion Ratio Lower Upper

114 100

63 21.0 0.0 37.8

88 15.6 0.0 29.2



#35

Dibromofluoromethane

Concen: 50.749 ug/l

RT: 5.282 min Scan# 1226

Delta R.T. -0.000 min

Lab File: VU054314.D

Acq: 30 May 2023 15:22

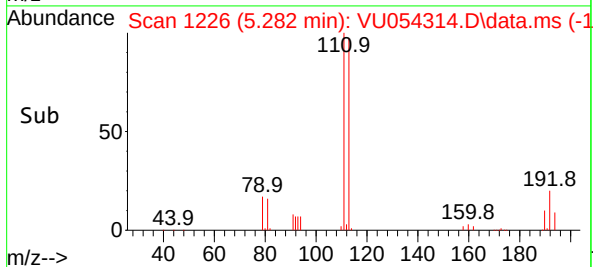
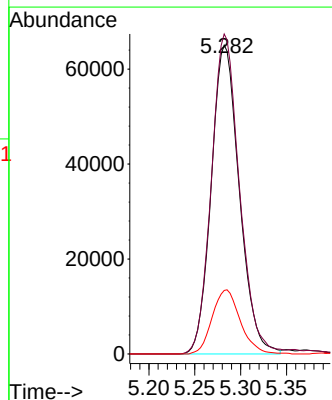
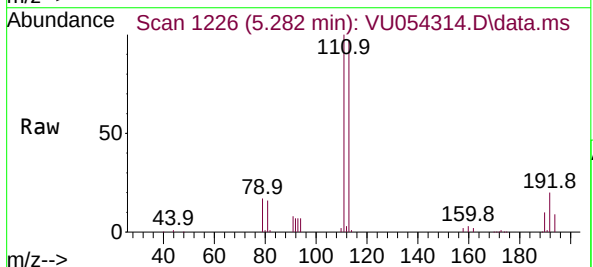
Tgt Ion:113 Resp: 138560

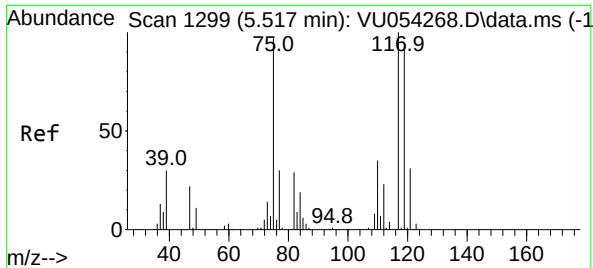
Ion Ratio Lower Upper

113 100

111 103.5 82.1 123.1

192 20.8 18.0 27.0

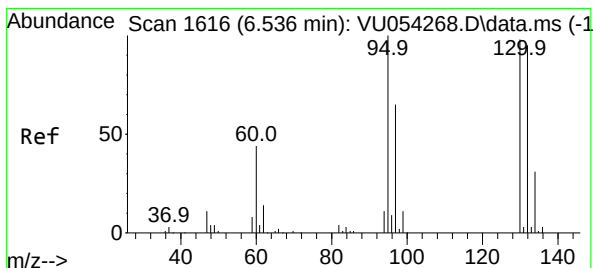
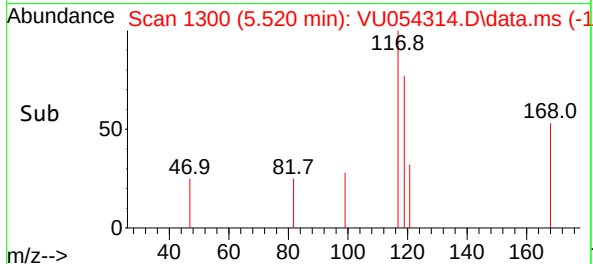
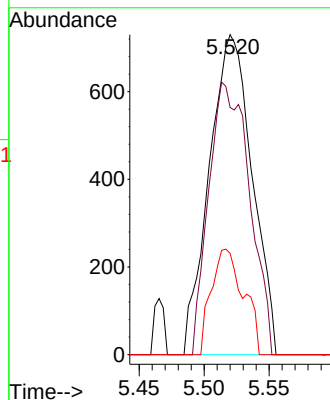
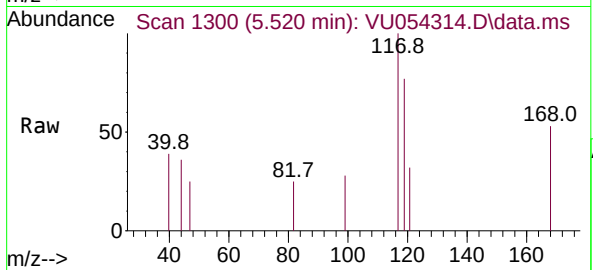




#38
Carbon Tetrachloride
Concen: 0.383 ug/l
RT: 5.520 min Scan# 117
Delta R.T. 0.003 min
Lab File: VU054314.D
Acq: 30 May 2023 15:22

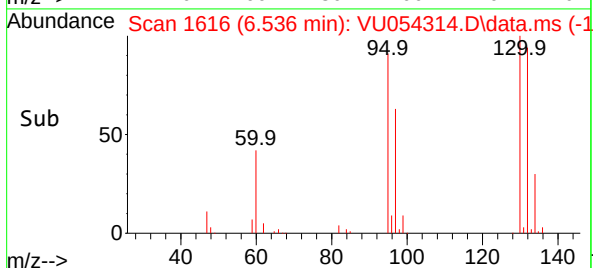
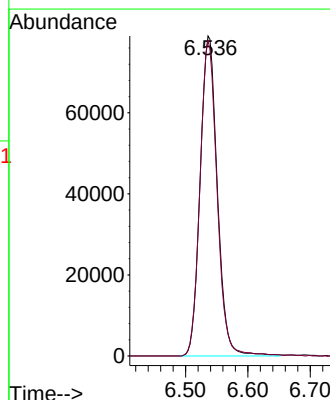
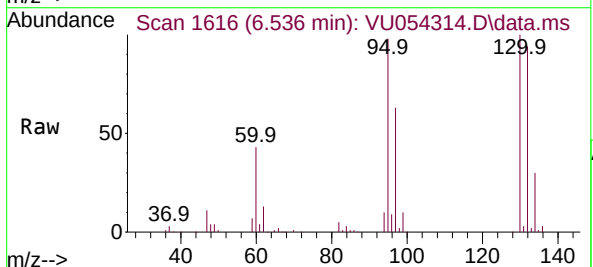
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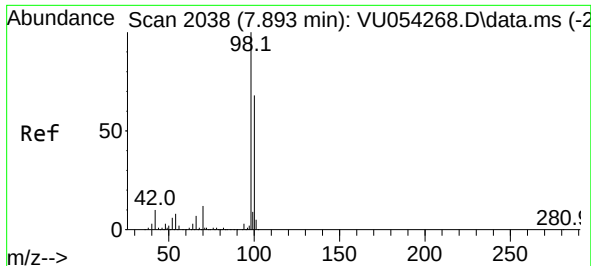
Tgt Ion:117 Resp: 1679
Ion Ratio Lower Upper
117 100
119 77.3 76.8 115.2
121 31.6 24.7 37.1



#44
Trichloroethene
Concen: 44.232 ug/l
RT: 6.536 min Scan# 1616
Delta R.T. -0.000 min
Lab File: VU054314.D
Acq: 30 May 2023 15:22

Tgt Ion:130 Resp: 151243
Ion Ratio Lower Upper
130 100
95 98.5 0.0 184.6

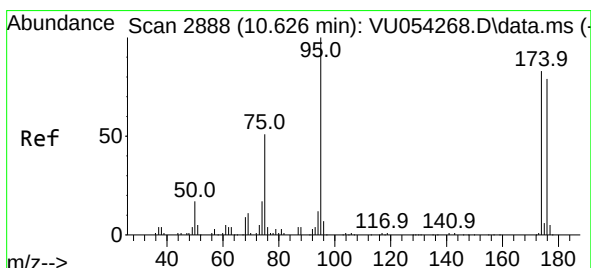
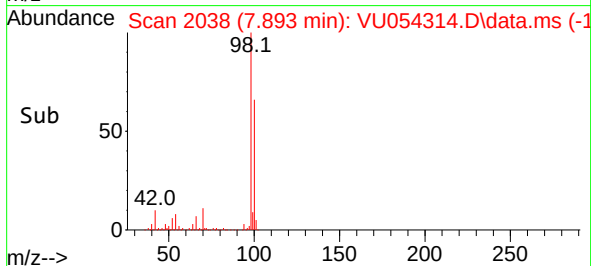
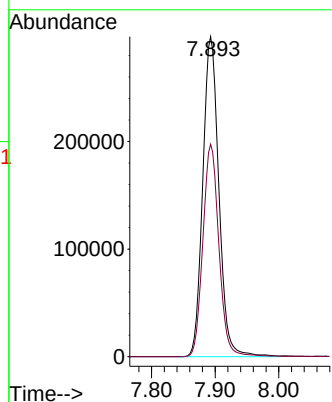
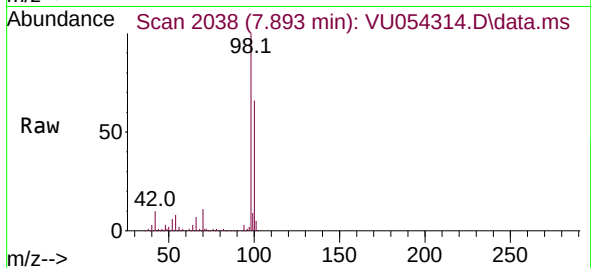




#50
Toluene-d8
Concen: 50.372 ug/l
RT: 7.893 min Scan# 2038
Delta R.T. -0.000 min
Lab File: VU054314.D
Acq: 30 May 2023 15:22

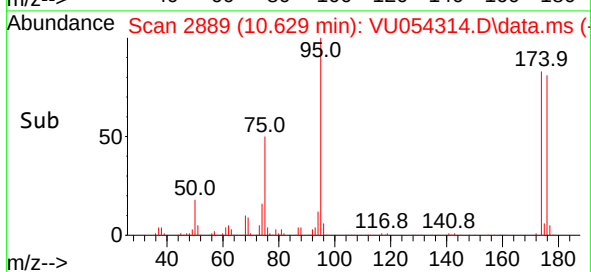
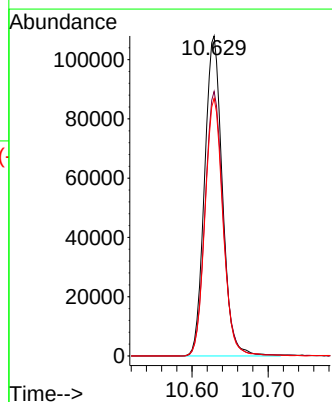
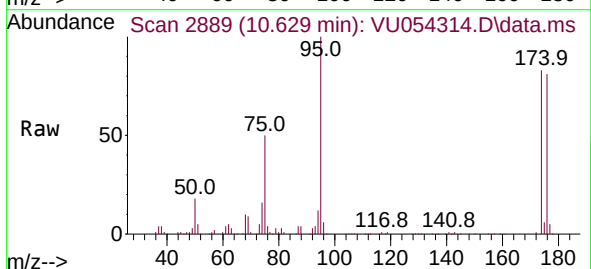
Instrument :
MSVOA_U
ClientSampleId :
RE115D1-20230522DL

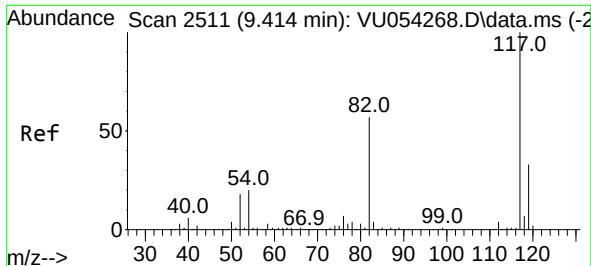
Tgt Ion: 98 Resp: 523116
Ion Ratio Lower Upper
98 100
100 66.1 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 43.592 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. 0.003 min
Lab File: VU054314.D
Acq: 30 May 2023 15:22

Tgt Ion: 95 Resp: 175536
Ion Ratio Lower Upper
95 100
174 83.9 0.0 182.0
176 81.2 0.0 177.8

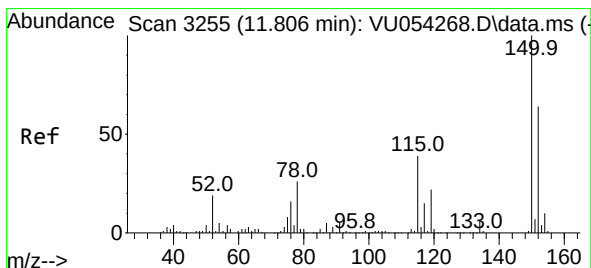
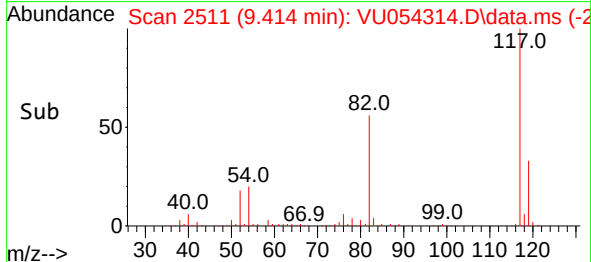
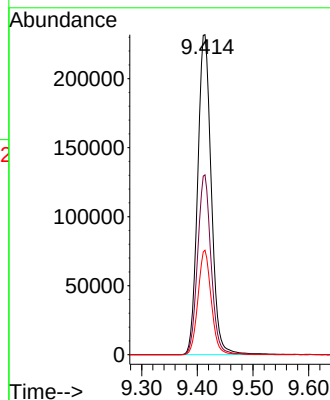
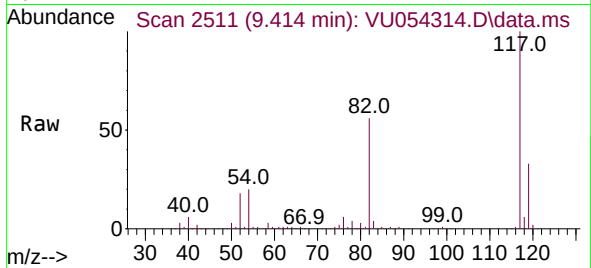




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.414 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054314.D
Acq: 30 May 2023 15:22

Instrument :
MSVOA_U
ClientSampleId :
RE115D1-20230522DL

Tgt Ion:117 Resp: 394495
Ion Ratio Lower Upper
117 100
82 56.2 41.7 62.5
119 32.7 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.809 min Scan# 3256
Delta R.T. 0.003 min
Lab File: VU054314.D
Acq: 30 May 2023 15:22

Tgt Ion:152 Resp: 182637
Ion Ratio Lower Upper
152 100
115 57.5 37.0 110.9
150 156.0 0.0 342.2

