

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053023\
 Data File : VU054320.D
 Acq On : 30 May 2023 17:44
 Operator : JC/MD
 Sample : 02936-21 40X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-02-20230524

Quant Time: May 31 06:29:33 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)

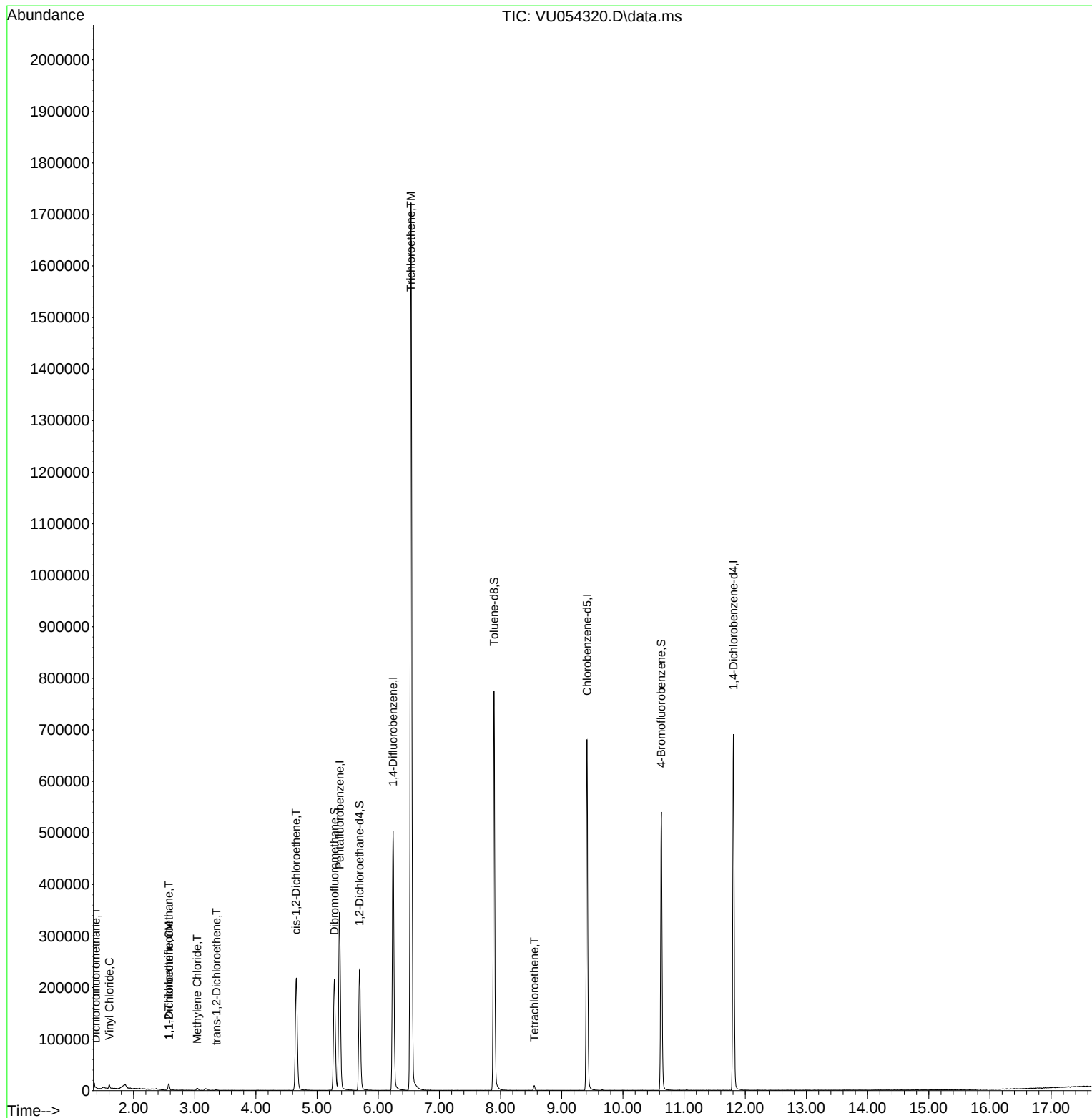
Internal Standards						
1) Pentafluorobenzene	5.369	168	253228	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	420383	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	397529	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	192672	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.693	65	174752	52.643	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.280%	
35) Dibromofluoromethane	5.282	113	140783	52.004	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.000%	
50) Toluene-d8	7.893	98	519036	50.405	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.820%	
62) 4-Bromofluorobenzene	10.629	95	178450	44.694	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 89.380%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	925	0.327	ug/l	74
4) Vinyl Chloride	1.604	62	5791	1.640	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.575	101	4736	1.800	ug/l	89
12) 1,1-Dichloroethene	2.578	96	918	0.337	ug/l #	77
20) Methylene Chloride	3.038	84	2326	0.678	ug/l	96
21) trans-1,2-Dichloroethene	3.353	96	812	0.278	ug/l #	75
27) cis-1,2-Dichloroethene	4.658	96	119505	36.838	ug/l	96
44) Trichloroethene	6.536	130	603801	178.092	ug/l	93
64) Tetrachloroethene	8.552	164	2126	0.711	ug/l	97

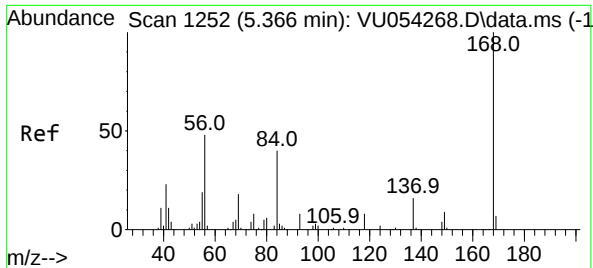
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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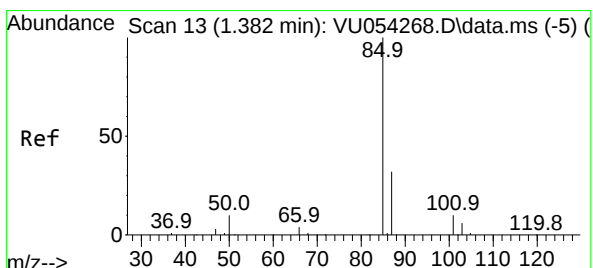
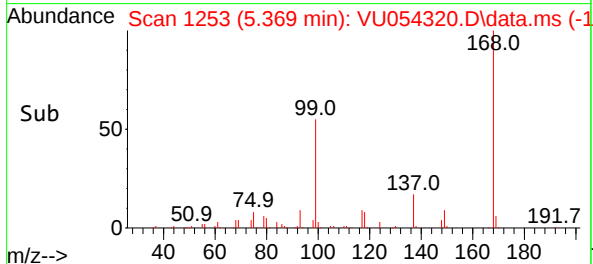
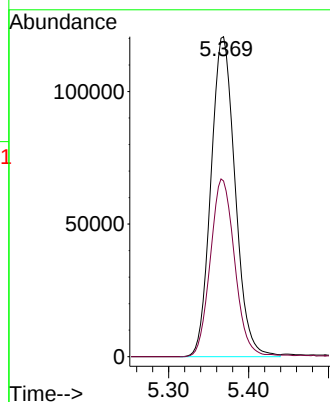
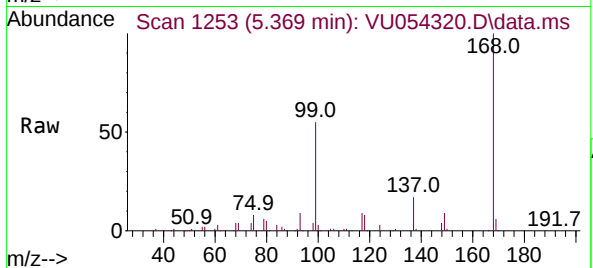




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054320.D
Acq: 30 May 2023 17:44

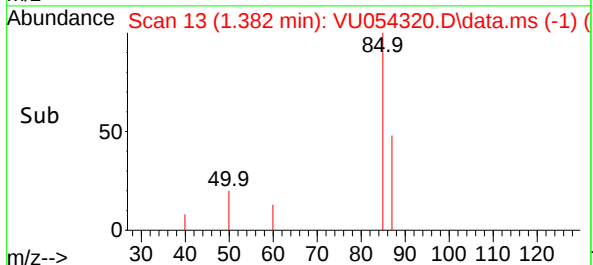
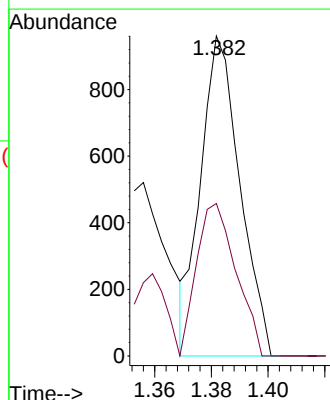
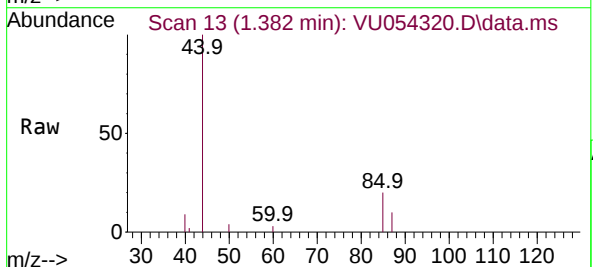
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MSVOA_U
ClientSampleId :
DUP-02-20230524

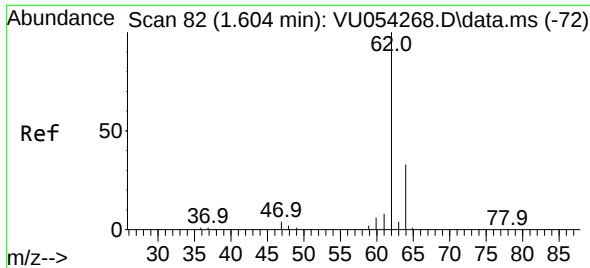
Tgt Ion:168 Resp: 253228
Ion Ratio Lower Upper
168 100
99 54.9 39.3 58.9



#2
Dichlorodifluoromethane
Concen: 0.327 ug/l
RT: 1.382 min Scan# 13
Delta R.T. -0.000 min
Lab File: VU054320.D
Acq: 30 May 2023 17:44

Tgt Ion: 85 Resp: 925
Ion Ratio Lower Upper
85 100
87 47.7 16.4 49.2

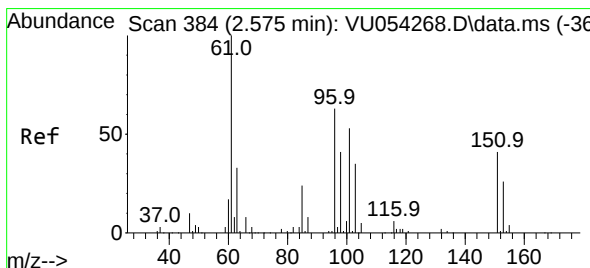
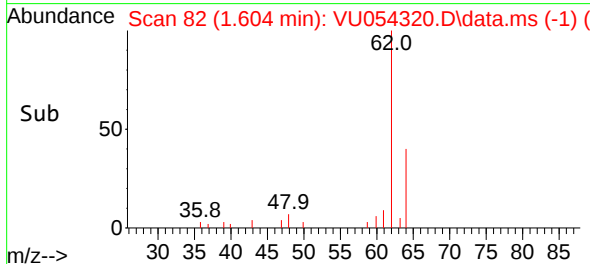
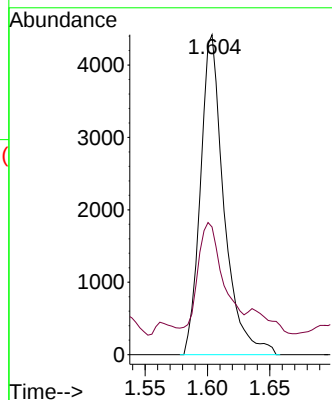
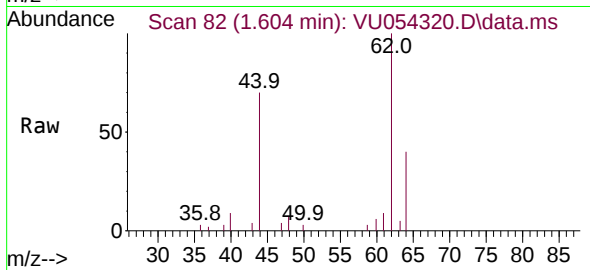




#4
 Vinyl Chloride
 Concen: 1.640 ug/l
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU054320.D
 Acq: 30 May 2023 17:44

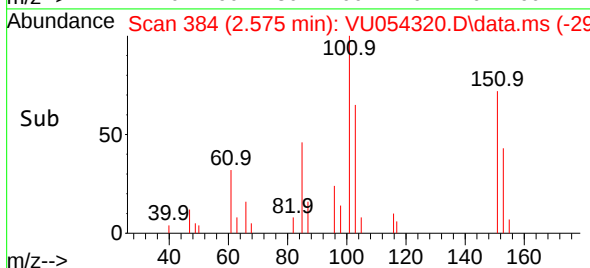
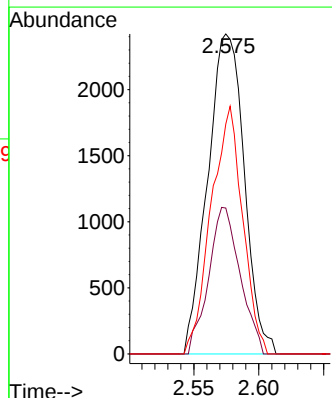
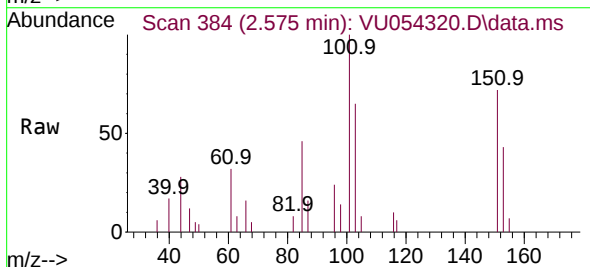
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-02-20230524

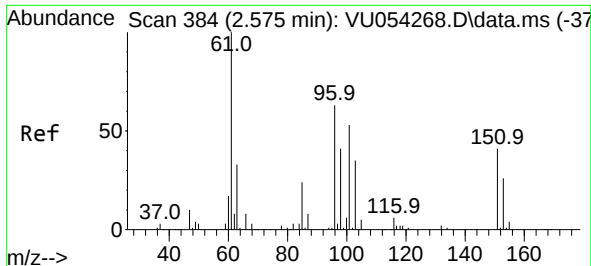
Tgt Ion: 62 Resp: 5791
 Ion Ratio Lower Upper
 62 100
 64 31.6 25.3 37.9



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.800 ug/l
 RT: 2.575 min Scan# 384
 Delta R.T. -0.000 min
 Lab File: VU054320.D
 Acq: 30 May 2023 17:44

Tgt Ion: 101 Resp: 4736
 Ion Ratio Lower Upper
 101 100
 85 39.4 33.9 50.9
 151 66.7 64.0 96.0

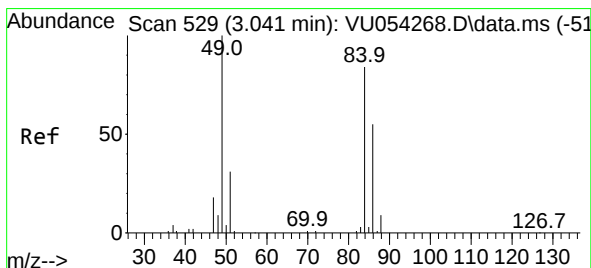
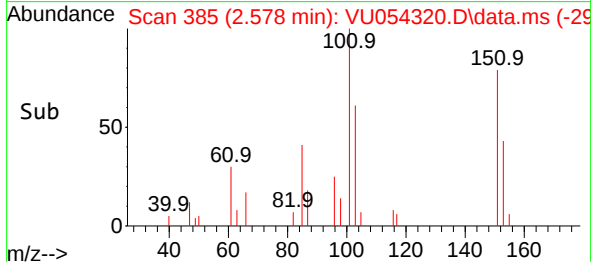
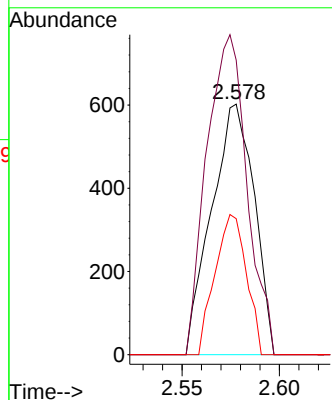
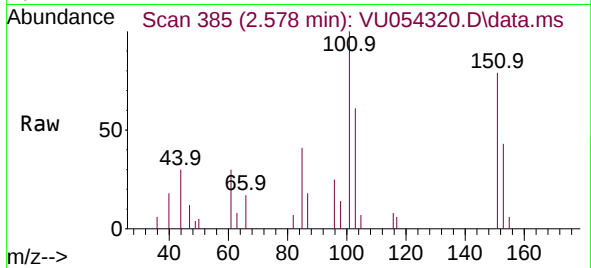




#12
1,1-Dichloroethene
Concen: 0.337 ug/l
RT: 2.578 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU054320.D
Acq: 30 May 2023 17:44

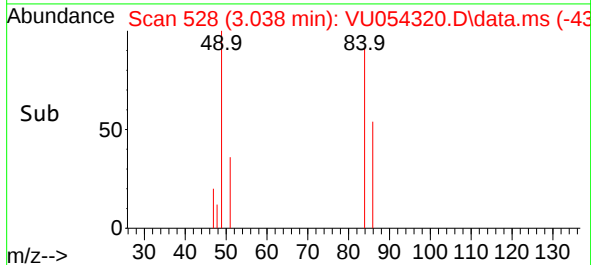
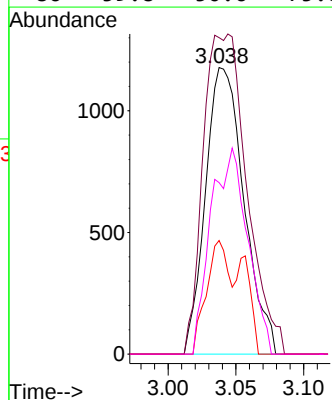
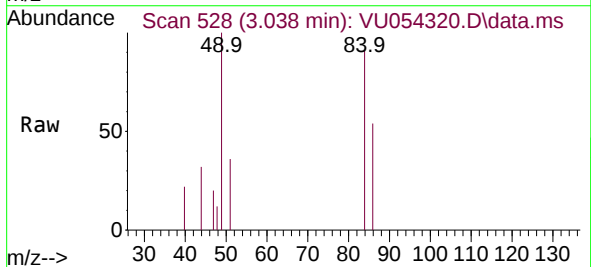
Instrument :
MSVOA_U
ClientSampleId :
DUP-02-20230524

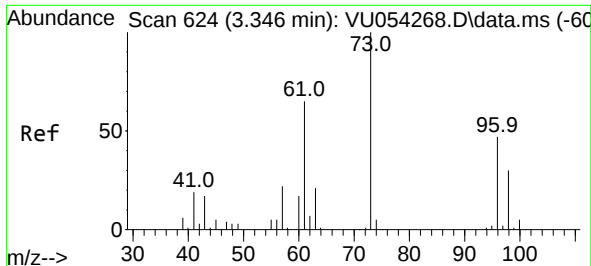
Tgt Ion: 96 Resp: 918
Ion Ratio Lower Upper
96 100
61 117.6 122.2 183.2#
98 54.3 50.7 76.1



#20
Methylene Chloride
Concen: 0.678 ug/l
RT: 3.038 min Scan# 528
Delta R.T. -0.003 min
Lab File: VU054320.D
Acq: 30 May 2023 17:44

Tgt Ion: 84 Resp: 2326
Ion Ratio Lower Upper
84 100
49 110.4 86.6 129.8
51 39.6 26.6 40.0
86 59.8 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 0.278 ug/l

RT: 3.353 min Scan# 61

Delta R.T. 0.007 min

Lab File: VU054320.D

Acq: 30 May 2023 17:44

Instrument :

MSVOA_U

ClientSampleId :

DUP-02-20230524

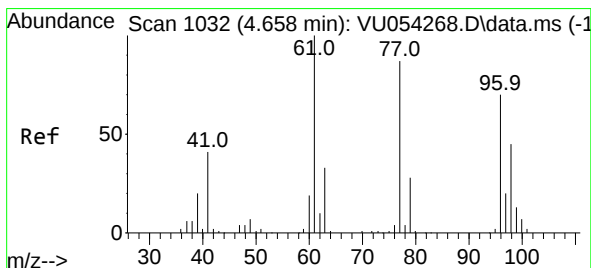
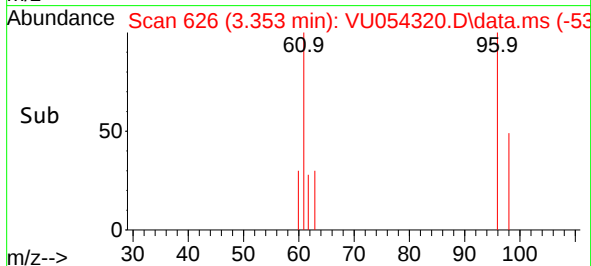
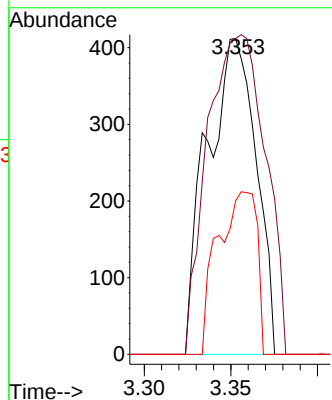
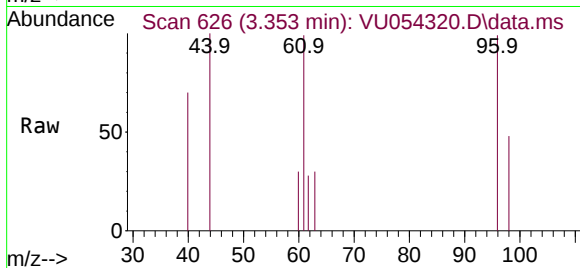
Tgt Ion: 96 Resp: 812

Ion Ratio Lower Upper

96 100

61 100.0 106.1 159.1#

98 48.5 50.8 76.2#



#27

cis-1,2-Dichloroethene

Concen: 36.838 ug/l

RT: 4.658 min Scan# 1032

Delta R.T. 0.000 min

Lab File: VU054320.D

Acq: 30 May 2023 17:44

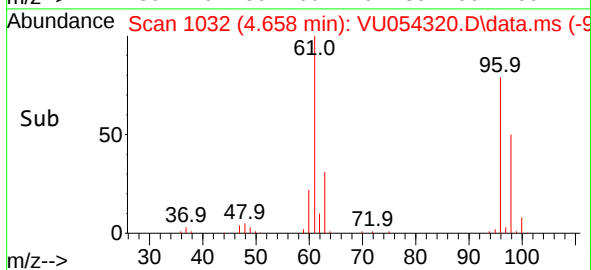
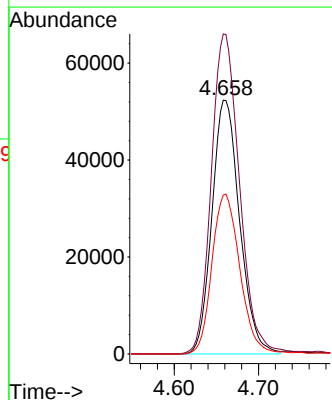
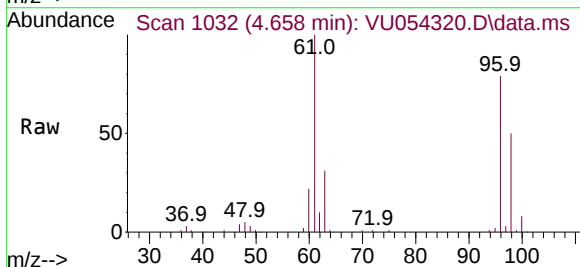
Tgt Ion: 96 Resp: 119505

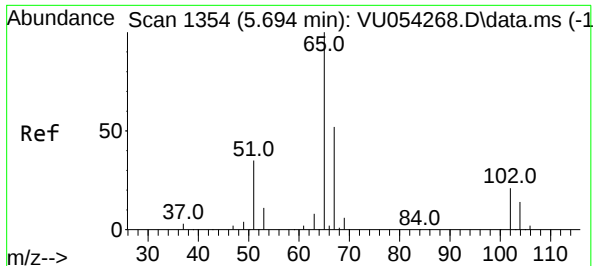
Ion Ratio Lower Upper

96 100

61 129.1 0.0 271.6

98 63.4 0.0 128.2





#33

1,2-Dichloroethane-d4

Concen: 52.643 ug/l

RT: 5.693 min Scan# 11

Delta R.T. -0.001 min

Lab File: VU054320.D

Acq: 30 May 2023 17:44

Instrument :

MSVOA_U

ClientSampleId :

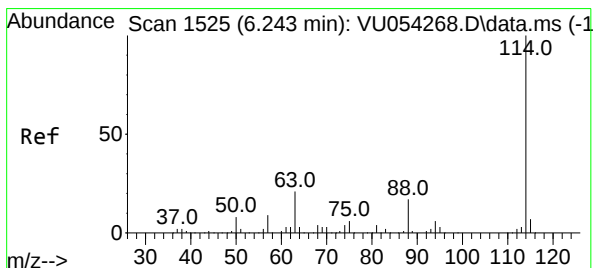
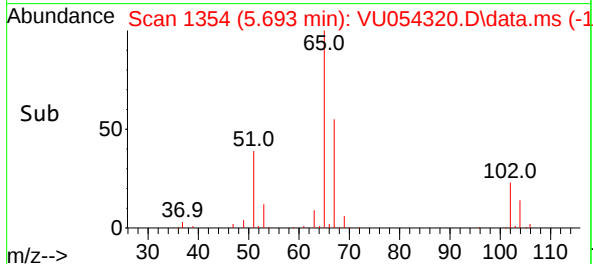
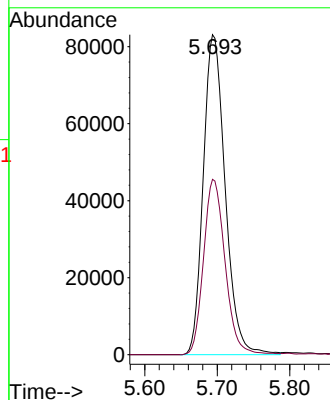
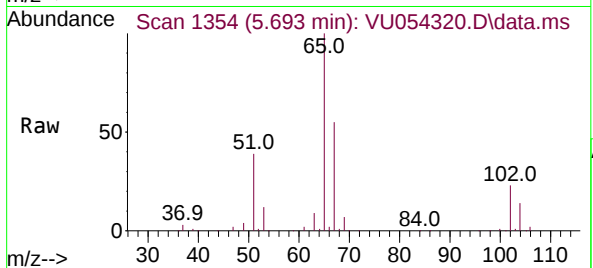
DUP-02-20230524

Tgt Ion: 65 Resp: 174752

Ion Ratio Lower Upper

65 100

67 53.7 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: VU054320.D

Acq: 30 May 2023 17:44

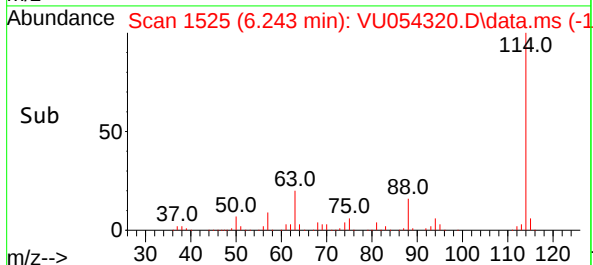
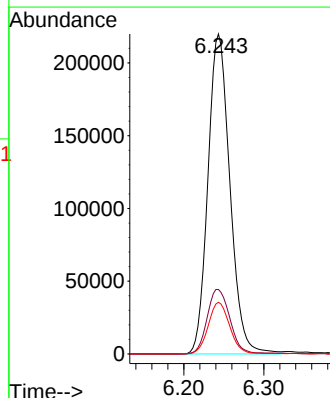
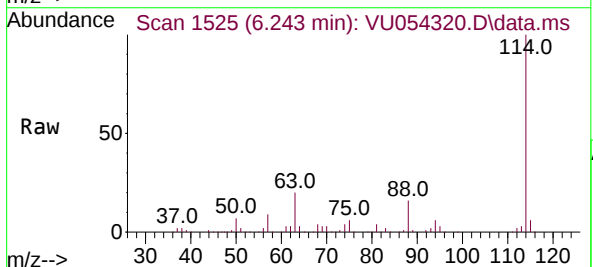
Tgt Ion: 114 Resp: 420383

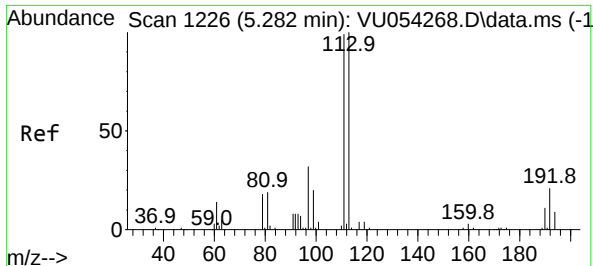
Ion Ratio Lower Upper

114 100

63 20.1 0.0 37.8

88 16.1 0.0 29.2

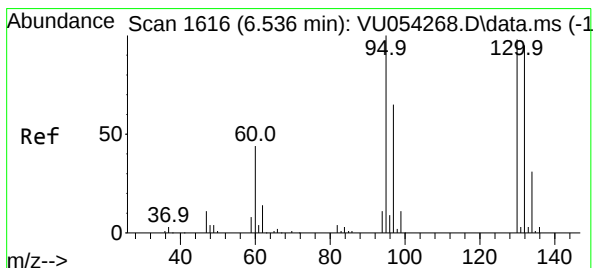
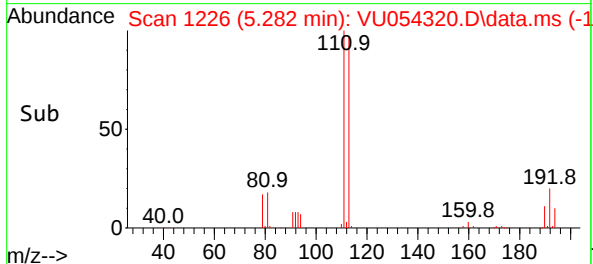
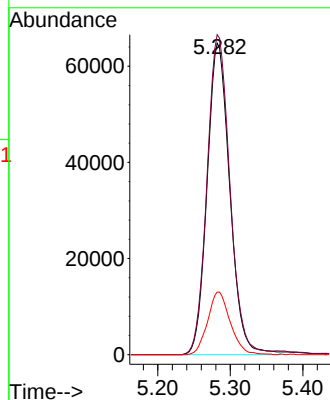
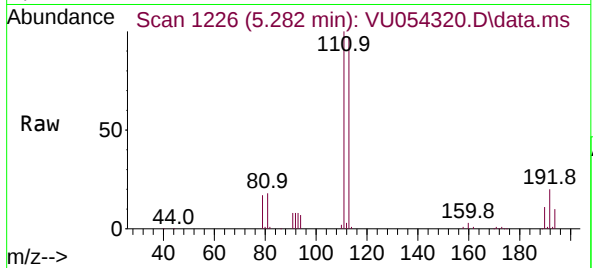




#35
 Dibromofluoromethane
 Concen: 52.004 ug/l
 RT: 5.282 min Scan# 1113
 Delta R.T. -0.000 min
 Lab File: VU054320.D
 Acq: 30 May 2023 17:44

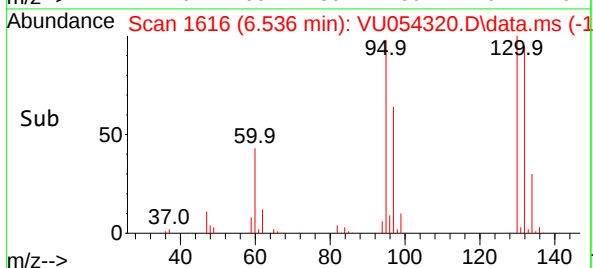
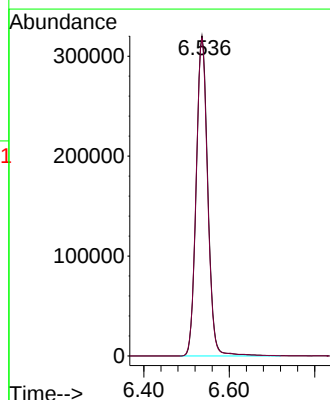
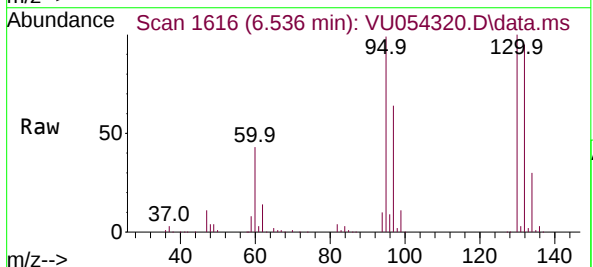
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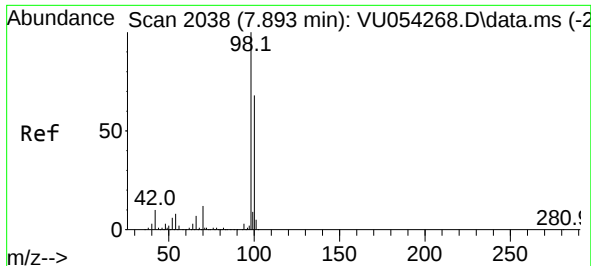
Tgt Ion:113 Resp: 140783
 Ion Ratio Lower Upper
 113 100
 111 103.9 82.1 123.1
 192 20.1 18.0 27.0



#44
 Trichloroethene
 Concen: 178.092 ug/l
 RT: 6.536 min Scan# 1616
 Delta R.T. -0.000 min
 Lab File: VU054320.D
 Acq: 30 May 2023 17:44

Tgt Ion:130 Resp: 603801
 Ion Ratio Lower Upper
 130 100
 95 99.3 0.0 184.6

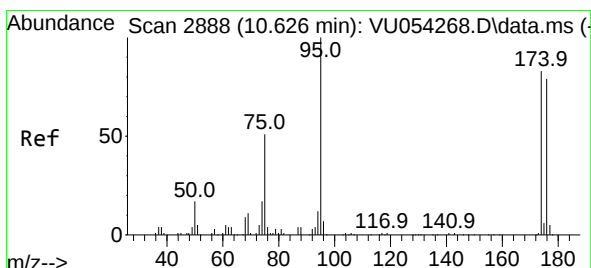
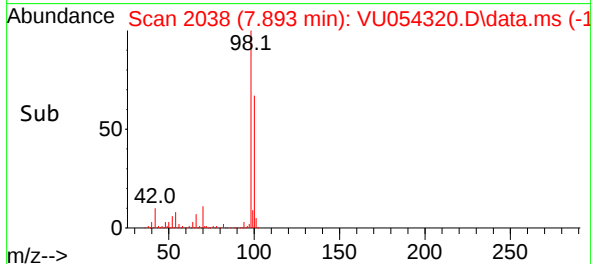
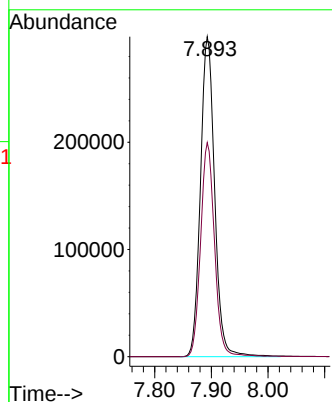
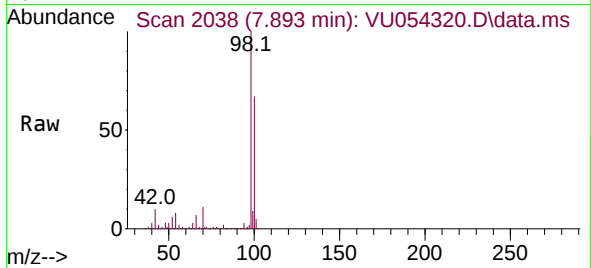




#50
Toluene-d8
Concen: 50.405 ug/l
RT: 7.893 min Scan# 2038
Delta R.T. -0.000 min
Lab File: VU054320.D
Acq: 30 May 2023 17:44

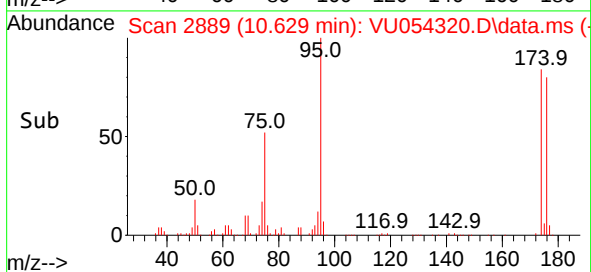
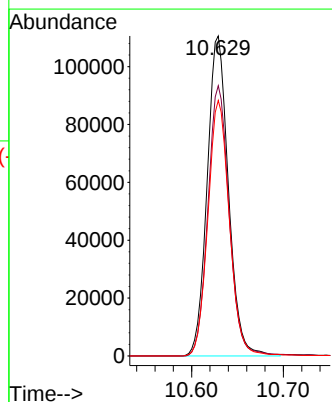
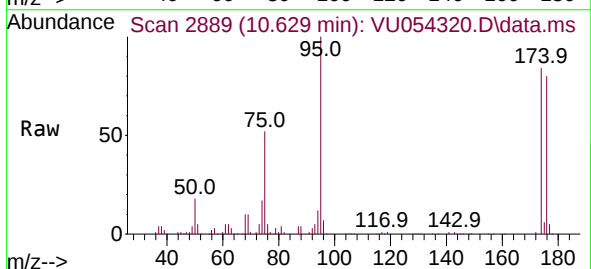
Instrument :
MSVOA_U
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DUP-02-20230524

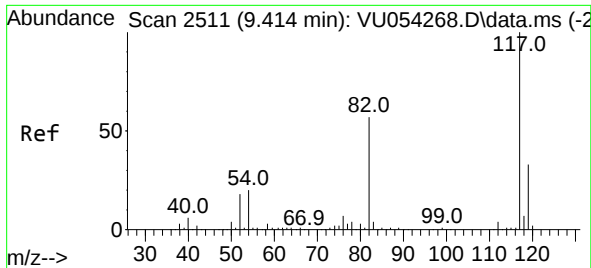
Tgt Ion: 98 Resp: 519036
Ion Ratio Lower Upper
98 100
100 65.8 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 44.694 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. 0.003 min
Lab File: VU054320.D
Acq: 30 May 2023 17:44

Tgt Ion: 95 Resp: 178450
Ion Ratio Lower Upper
95 100
174 84.5 0.0 182.0
176 80.7 0.0 177.8

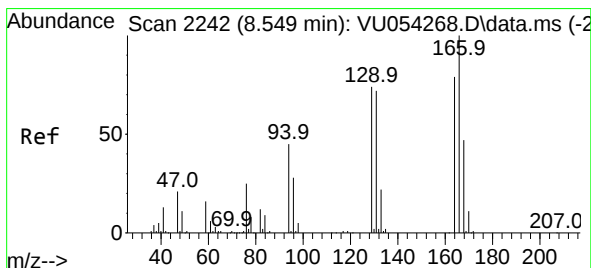
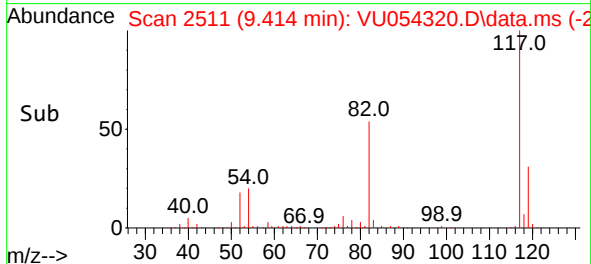
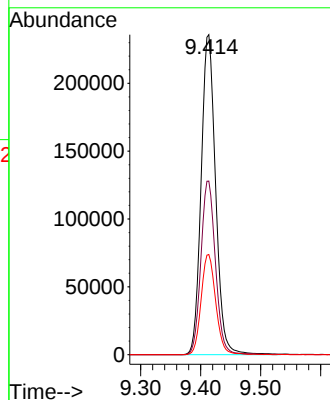
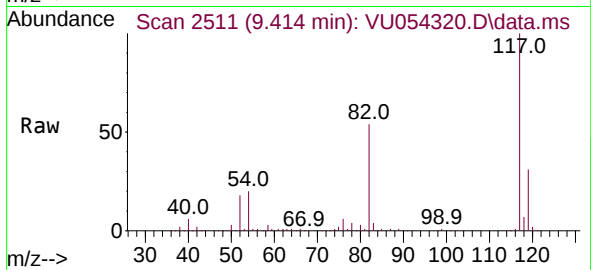




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.414 min Scan# 2511
Delta R.T. -0.000 min
Lab File: VU054320.D
Acq: 30 May 2023 17:44

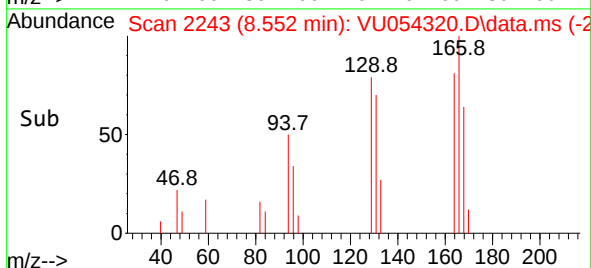
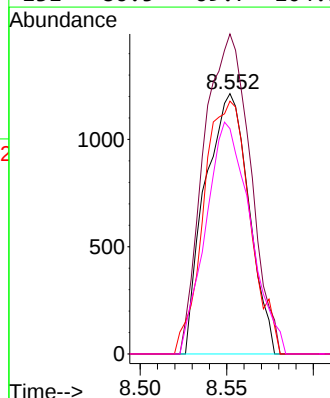
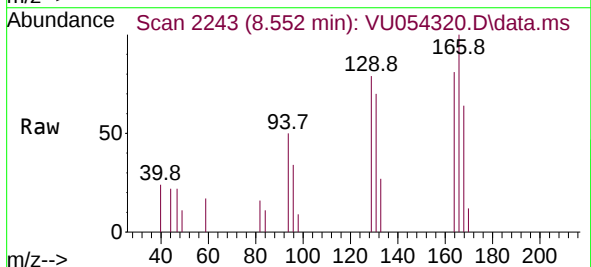
Instrument :
MSVOA_U
ClientSampleId :
DUP-02-20230524

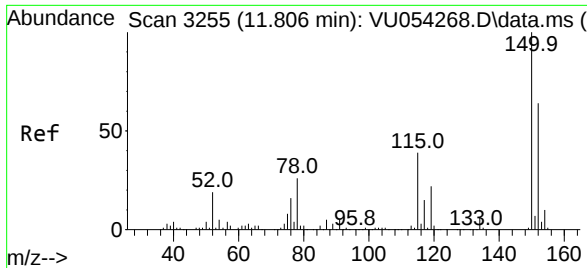
Tgt Ion:117 Resp: 397529
Ion Ratio Lower Upper
117 100
82 54.3 41.7 62.5
119 31.3 25.7 38.5



#64
Tetrachloroethene
Concen: 0.711 ug/l
RT: 8.552 min Scan# 2243
Delta R.T. 0.003 min
Lab File: VU054320.D
Acq: 30 May 2023 17:44

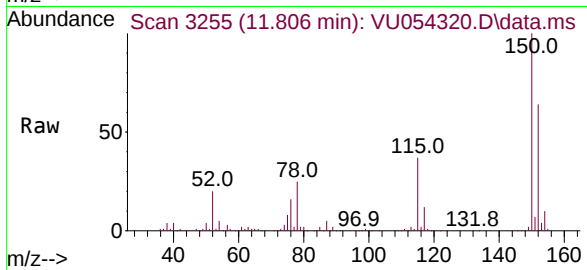
Tgt Ion:164 Resp: 2126
Ion Ratio Lower Upper
164 100
166 122.9 100.0 150.0
129 97.1 72.0 108.0
131 86.5 69.7 104.5





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.806 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU054320.D
Acq: 30 May 2023 17:44

Instrument :
MSVOA_U
ClientSampleId :
DUP-02-20230524



Tgt Ion:152 Resp: 192672
Ion Ratio Lower Upper
152 100
115 58.2 37.0 110.9
150 157.2 0.0 342.2

