

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092922\
 Data File : VU050990.D
 Acq On : 29 Sep 2022 19:40
 Operator : JC/MD
 Sample : N4869-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 30 01:51:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 30 01:30:03 2022
 Response via : Initial Calibration

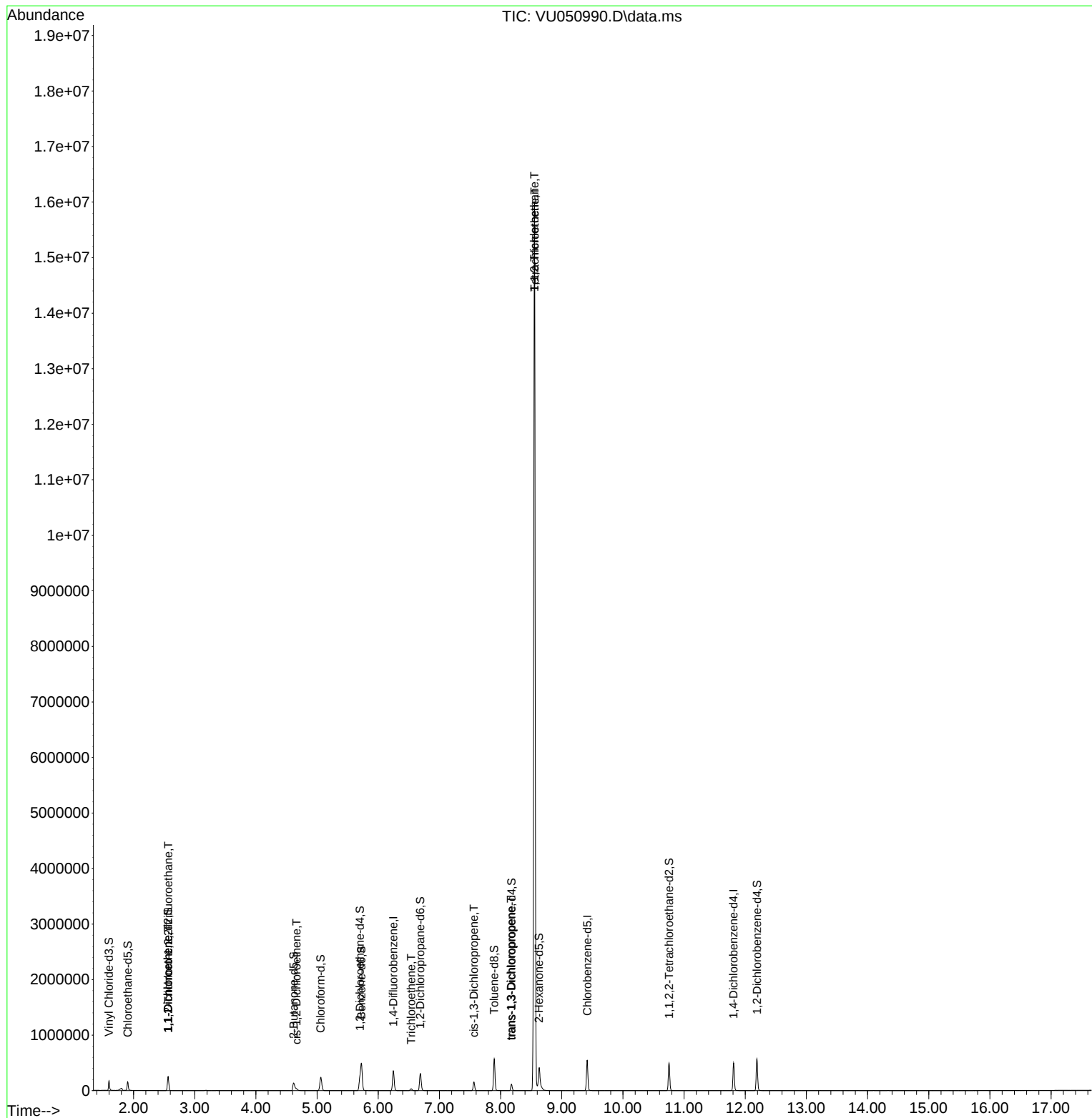
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

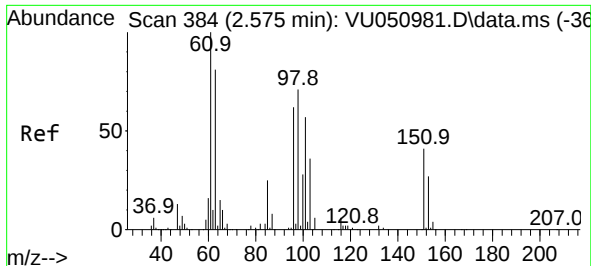
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	289293	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	305891	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	132454	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	127065	43.340	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	86.680%		
7) Chloroethane-d5	1.903	69	115995	42.591	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	85.180%		
11) 1,1-Dichloroethene-d2	2.565	63	146178	33.753	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	67.500%		
21) 2-Butanone-d5	4.616	46	188230	98.988	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	98.990%		
24) Chloroform-d	5.060	84	224154	47.455	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.900%		
26) 1,2-Dichloroethane-d4	5.700	65	147437	50.428	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.860%		
32) Benzene-d6	5.726	84	448501	50.069	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.140%		
36) 1,2-Dichloropropane-d6	6.687	67	150003	51.606	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	103.220%		
41) Toluene-d8	7.896	98	379386	45.841	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.680%		
43) trans-1,3-Dichloroprop...	8.179	79	63861	46.063	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.120%		
47) 2-Hexanone-d5	8.629	63	122720	104.561	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	104.560%		
56) 1,1,2,2-Tetrachloroeth...	10.754	84	249250	49.065	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	98.140%		
66) 1,2-Dichlorobenzene-d4	12.192	152	150627	53.233	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	106.460%		
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	1376	0.623	ug/L #	21
12) 1,1-Dichloroethene	2.565	96	1269	0.615	ug/L #	1
20) cis-1,2-Dichloroethene	4.665	96	12452	5.081	ug/L	100
34) Trichloroethene	6.539	95	9590	3.970	ug/L	92
39) cis-1,3-Dichloropropene	7.565	75	4043	1.137	ug/L #	81
44) trans-1,3-Dichloropropene	8.172	75	2911	0.809	ug/L	95
45) 1,1,2-Trichloroethane	8.552	97	28636	10.527	ug/L #	1
46) Tetrachloroethene	8.555	164	3339804	1824.542	ug/L	98

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

Instrument :
MSVOA_U
ClientSampleId :

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.623 ug/L

RT: 2.568 min Scan# 382

Delta R.T. -0.006 min

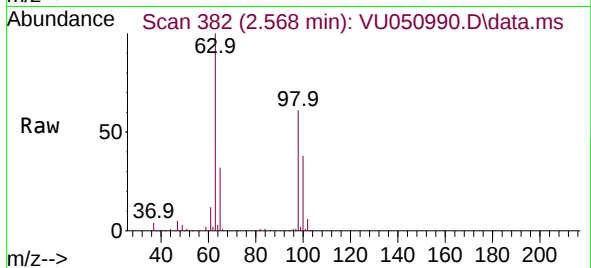
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Instrument :

MSVOA_U

ClientSampleId :



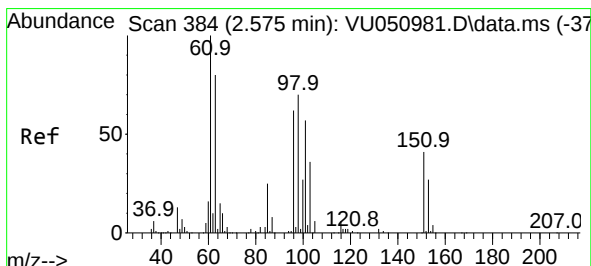
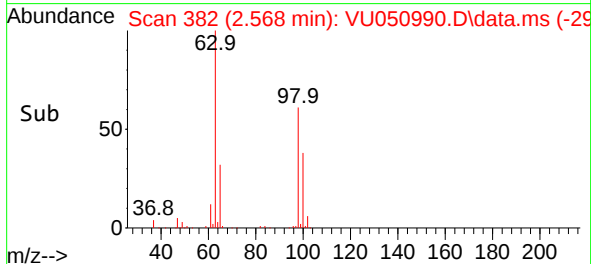
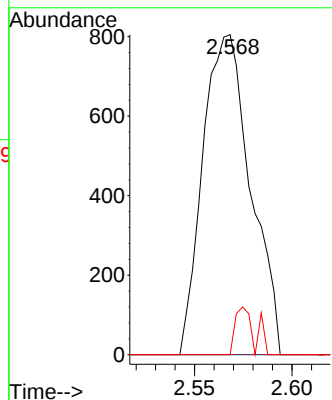
Tgt Ion:101 Resp: 1376

Ion Ratio Lower Upper

101 100

85 0.0 34.6 52.0#

151 1.5 58.6 87.8#



#12

1,1-Dichloroethene

Concen: 0.615 ug/L

RT: 2.565 min Scan# 381

Delta R.T. -0.010 min

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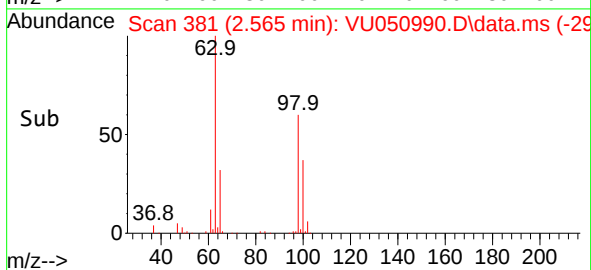
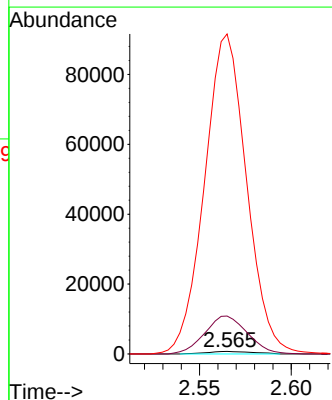
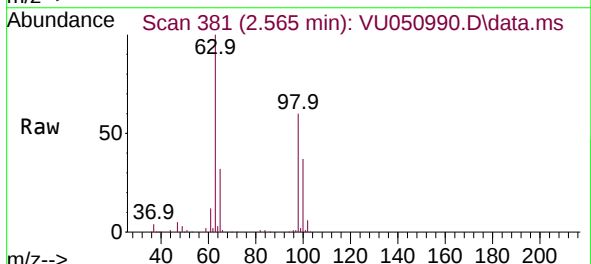
Tgt Ion: 96 Resp: 1269

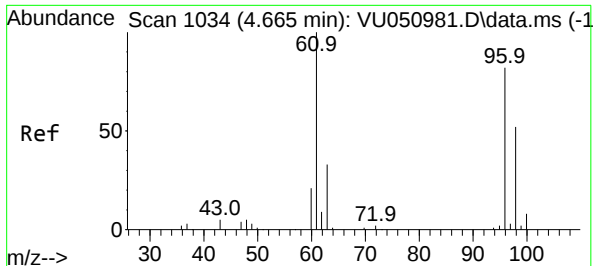
Ion Ratio Lower Upper

96 100

61 1501.7 113.0 209.9#

63 12685.9 91.7 170.3#

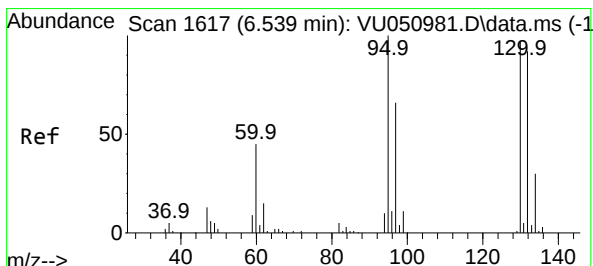
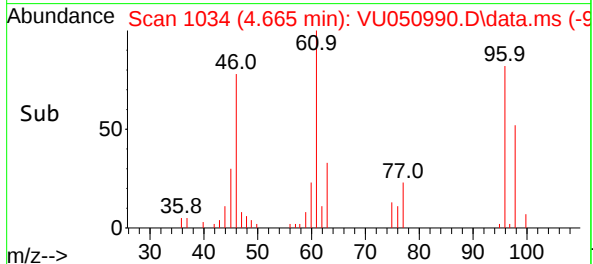
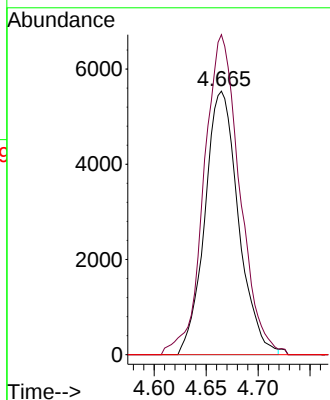
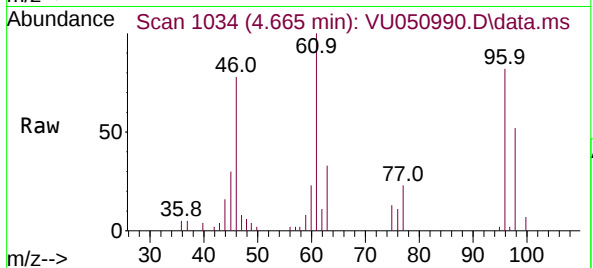




#20
cis-1,2-Dichloroethene
Concen: 5.081 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. -0.000 min
Lab File: VU050990.D
Acq: 29 Sep 2022 19:40

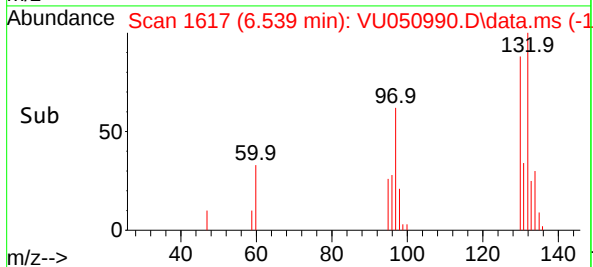
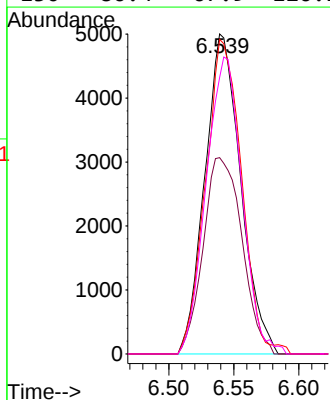
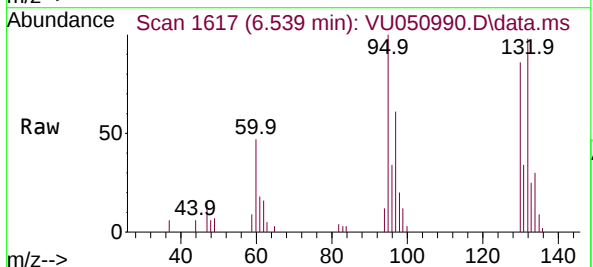
Instrument :
MSVOA_U
ClientSampleId :

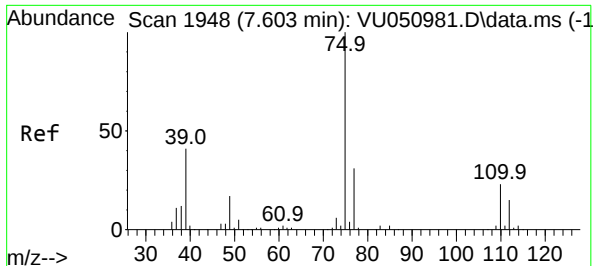
Tgt Ion: 96 Resp: 12452
Ion Ratio Lower Upper
96 100
61 121.4 85.4 158.6
68 0.0 0.0 0.0



#34
Trichloroethene
Concen: 3.970 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU050990.D
Acq: 29 Sep 2022 19:40

Tgt Ion: 95 Resp: 9590
Ion Ratio Lower Upper
95 100
97 61.4 45.9 85.3
132 98.3 64.0 119.0
130 86.4 67.9 126.1





#39

cis-1,3-Dichloropropene

Concen: 1.137 ug/L

RT: 7.565 min Scan# 1948

Delta R.T. -0.039 min

Lab File: VU050990.D

Acq: 29 Sep 2022 19:40

Instrument :

MSVOA_U

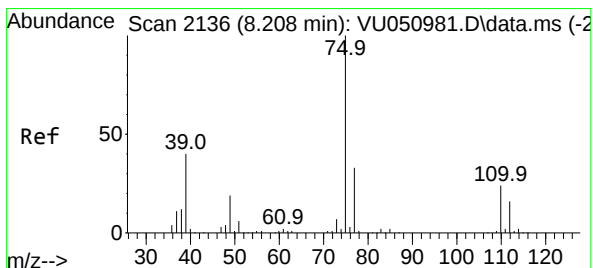
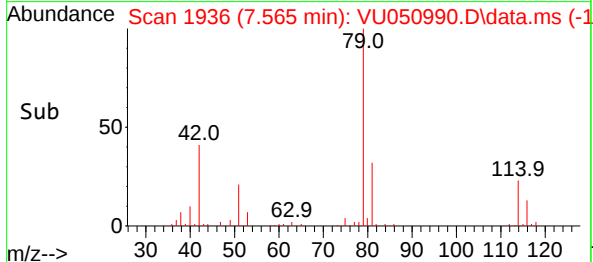
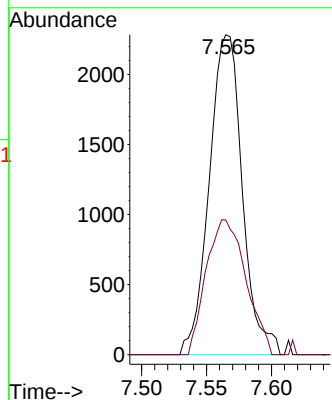
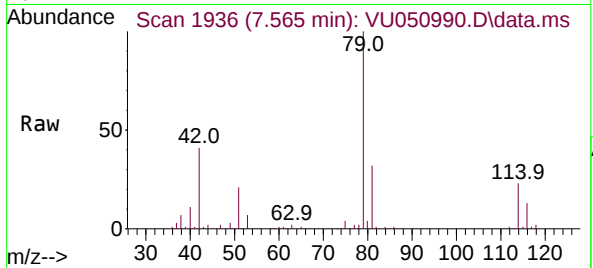
ClientSampleId :

Tgt Ion: 75 Resp: 4043

Ion Ratio Lower Upper

75 100

77 42.1 22.0 41.0#



#44

trans-1,3-Dichloropropene

Concen: 0.809 ug/L

RT: 8.172 min Scan# 2125

Delta R.T. -0.035 min

Lab File: VU050990.D

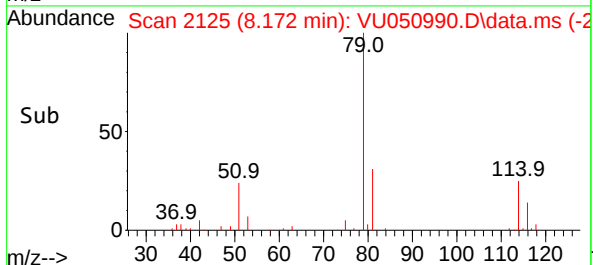
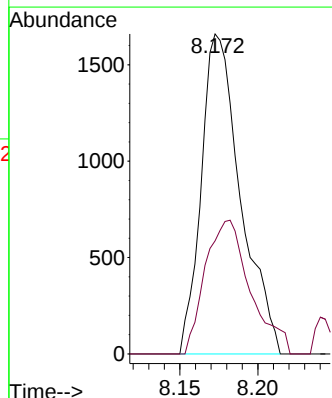
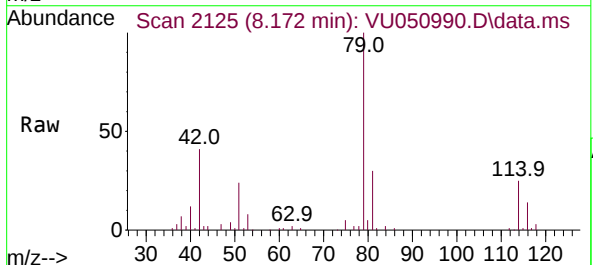
Acq: 29 Sep 2022 19:40

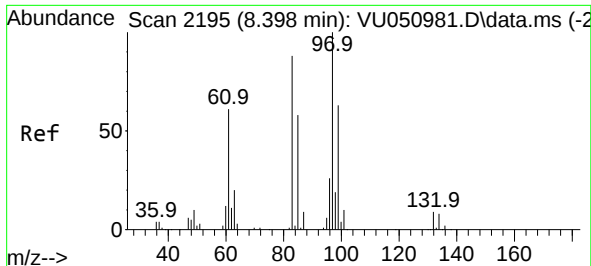
Tgt Ion: 75 Resp: 2911

Ion Ratio Lower Upper

75 100

77 35.4 22.7 42.3





#45

1,1,2-Trichloroethane

Concen: 10.527 ug/L

RT: 8.552 min Scan# 2195

Delta R.T. 0.154 min

Lab File: VU050990.D

Acq: 29 Sep 2022 19:40

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 28636

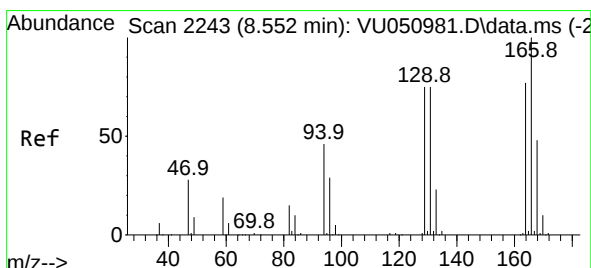
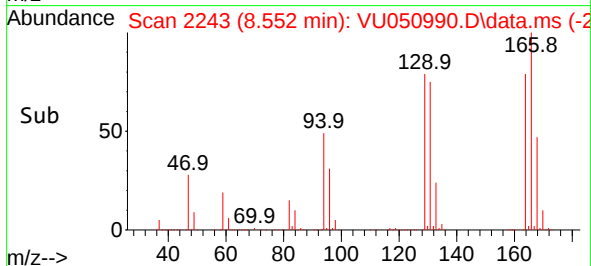
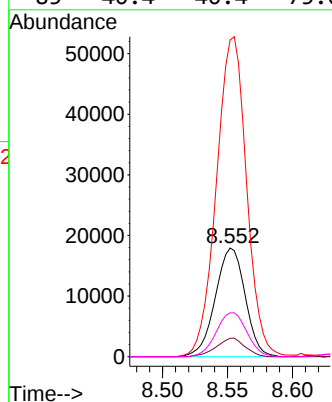
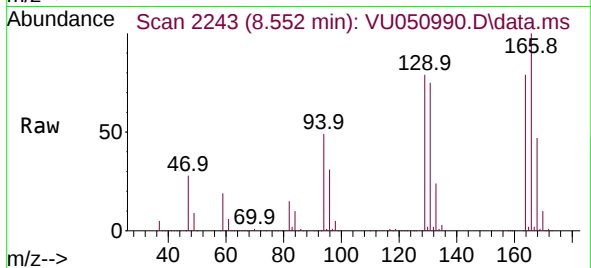
Ion Ratio Lower Upper

97 100

99 17.0 44.4 82.4#

83 291.6 61.7 114.5#

85 40.4 40.4 75.0



#46

Tetrachloroethene

Concen: 1824.542 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.003 min

Lab File: VU050990.D

Acq: 29 Sep 2022 19:40

Tgt Ion:164 Resp: 3339804

Ion Ratio Lower Upper

164 100

129 98.5 68.1 126.5

131 95.0 67.8 126.0

166 127.4 90.5 168.1

