

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
 Data File : VU055824.D
 Acq On : 20 Oct 2023 11:34
 Operator : MD/SY
 Sample : 04947-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E45J2

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/23/2023
 Supervised By : Mahesh Dadoda 10/26/2023

Quant Time: Oct 23 01:05:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 23 01:04:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	491249	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	507202	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.808	152	254292	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	181365	41.160	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	82.320%		
7) Chloroethane-d5	1.892	69	151460	42.051	ug/L	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery =	84.100%		
11) 1,1-Dichloroethene-d2	2.560	63	256238	32.614	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	65.220%		
21) 2-Butanone-d5	4.615	46	257274	78.797	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	78.800%		
24) Chloroform-d	5.055	84	366392	43.374	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	86.740%		
26) 1,2-Dichloroethane-d4	5.695	65	239524	46.067	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.140%		
32) Benzene-d6	5.721	84	729801	44.971	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.940%		
36) 1,2-Dichloropropane-d6	6.686	67	231500	45.061	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	90.120%		
41) Toluene-d8	7.895	98	644016	43.950	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.900%		
43) trans-1,3-Dichloroprop...	8.177	79	106260	43.057	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.120%		
47) 2-Hexanone-d5	8.631	63	142147	70.381	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	70.380%		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	372697	47.130	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.260%		
66) 1,2-Dichlorobenzene-d4	12.190	152	260789	51.679	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	103.360%		
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	532647	125.053	ug/L	97
12) 1,1-Dichloroethene	2.573	96	8394	2.410	ug/L #	1
17) trans-1,2-Dichloroethene	3.345	96	132805	37.292	ug/L	97
20) cis-1,2-Dichloroethene	4.657	96	10610159	2610.486	ug/L	98
34) Trichloroethene	6.538	95	13239112	3017.857	ug/L	98
46) Tetrachloroethene	8.554	164	18741165m	5966.799	ug/L	
51) Chlorobenzene	9.448	112	9987	0.912	ug/L #	82

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

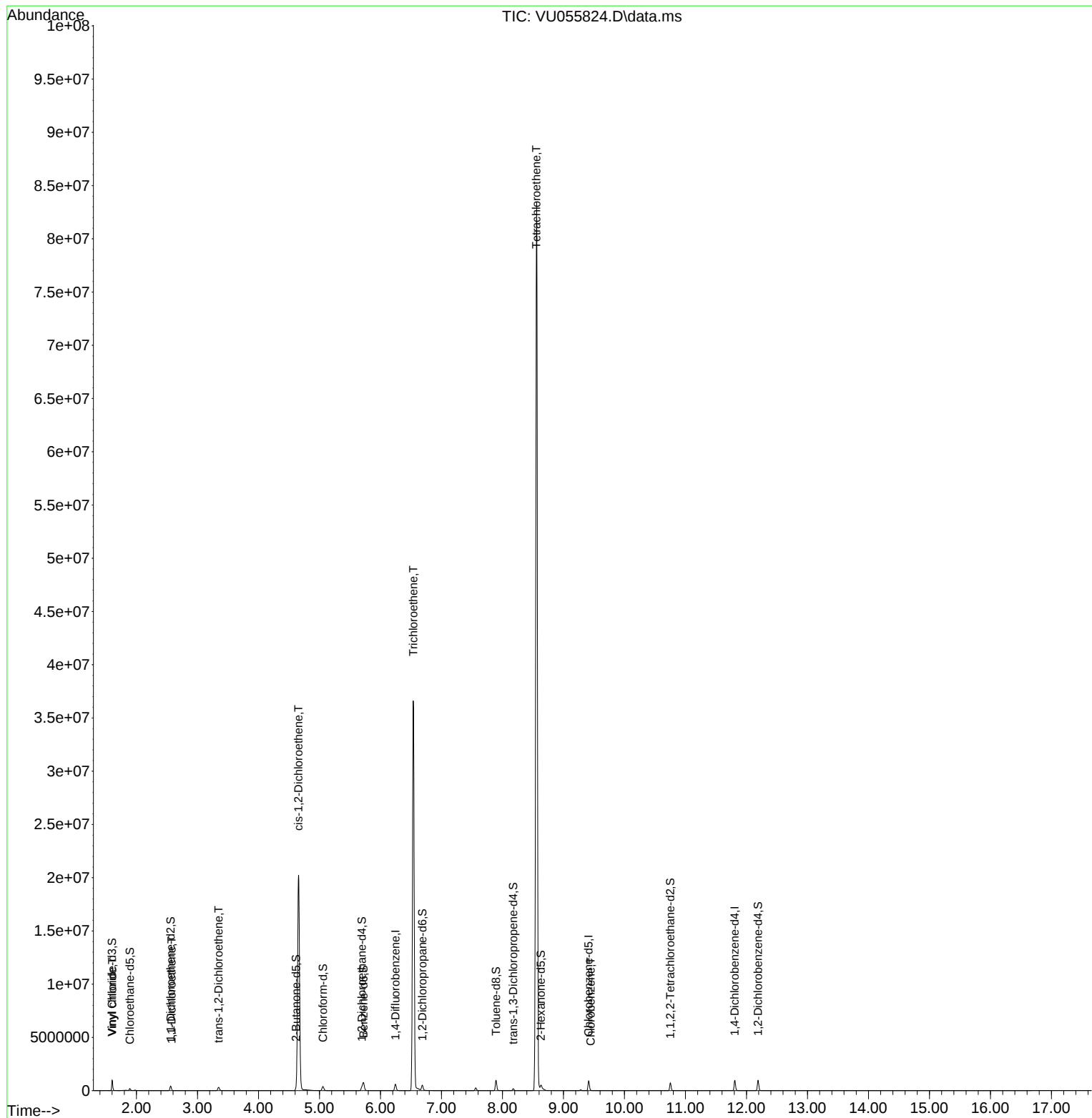
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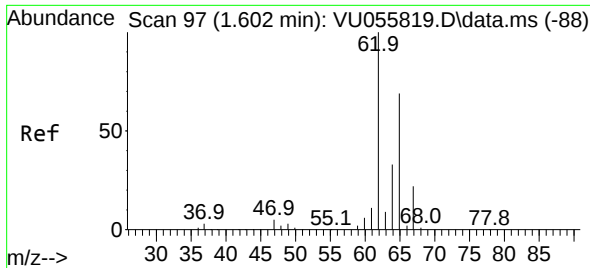
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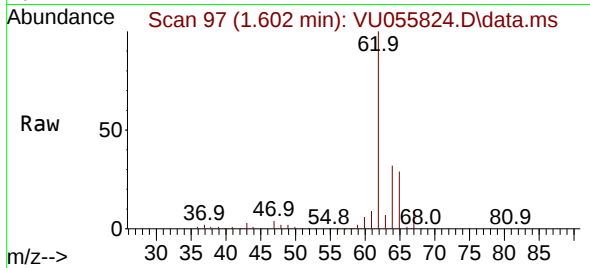
Quant Time: Oct 23 01:05:56 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Oct 23 01:04:15 2023
Response via : Initial Calibration





#5
 Vinyl chloride
 Concen: 125.053 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU055824.D
 Acq: 20 Oct 2023 11:34

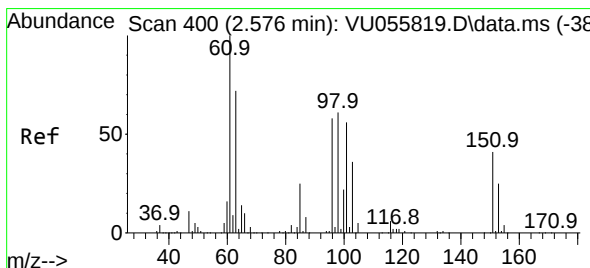
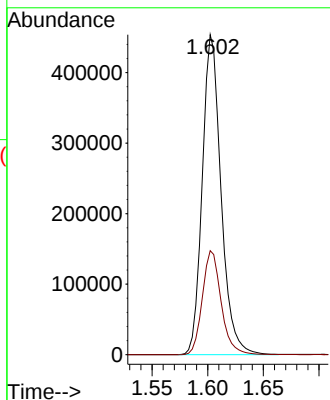
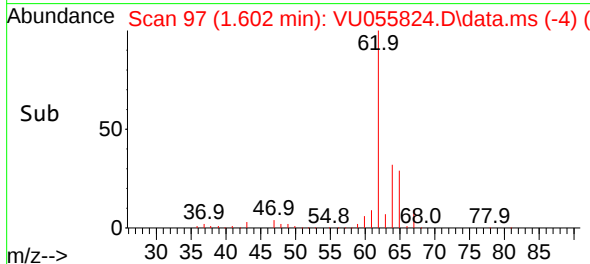
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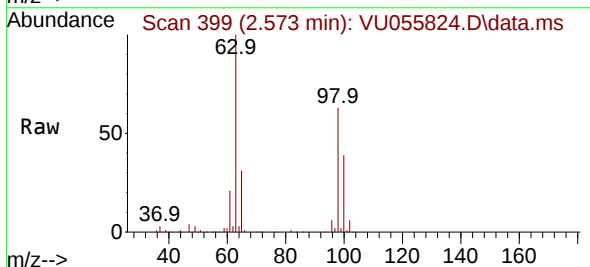
Tgt Ion: 62 Resp: 53264
 Ion Ratio Lower Upper
 62 100
 64 32.5 23.9 44.5

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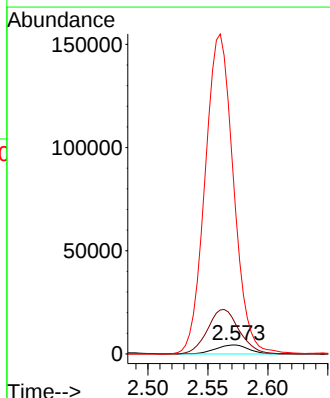
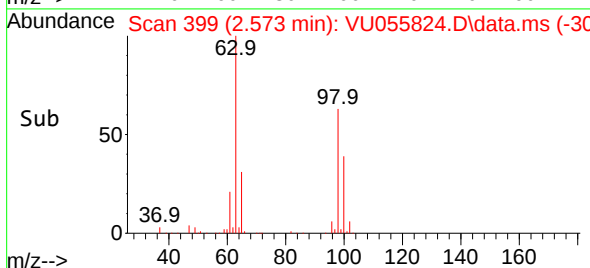
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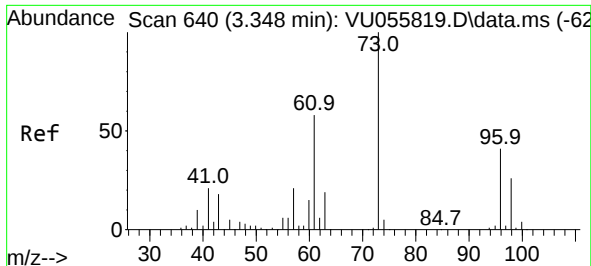


#12
 1,1-Dichloroethene
 Concen: 2.410 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.003 min
 Lab File: VU055824.D
 Acq: 20 Oct 2023 11:34



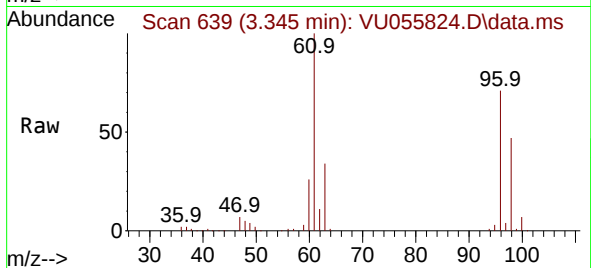
Tgt Ion: 96 Resp: 8394
 Ion Ratio Lower Upper
 96 100
 61 328.9 122.0 226.6#
 63 1568.7 93.7 174.1#





#17
trans-1,2-Dichloroethene
Concen: 37.292 ug/L
RT: 3.345 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU055824.D
Acq: 20 Oct 2023 11:34

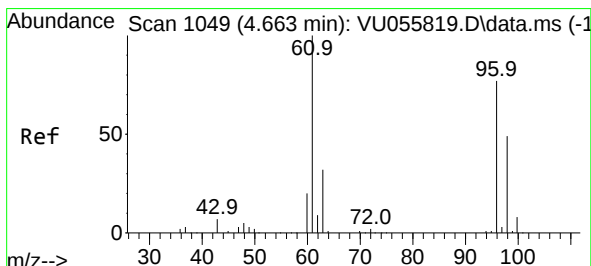
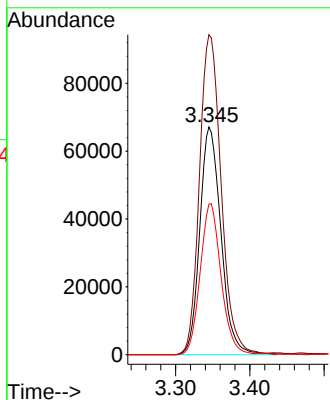
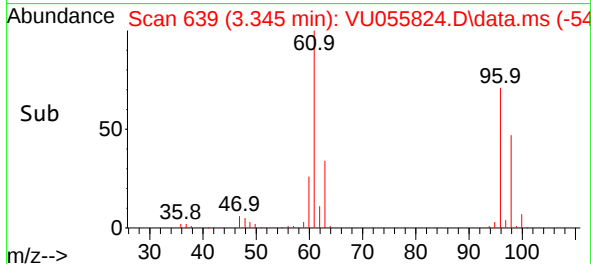
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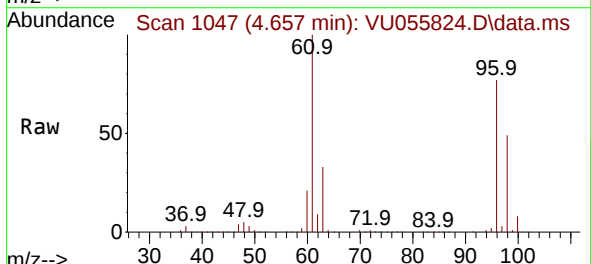
Tgt Ion: 96 Resp: 13280
Ion Ratio Lower Upper
96 100
61 140.5 102.1 189.7
98 66.1 46.3 86.1

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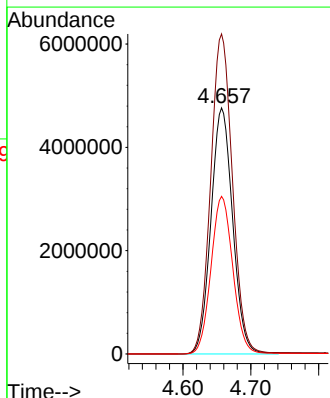
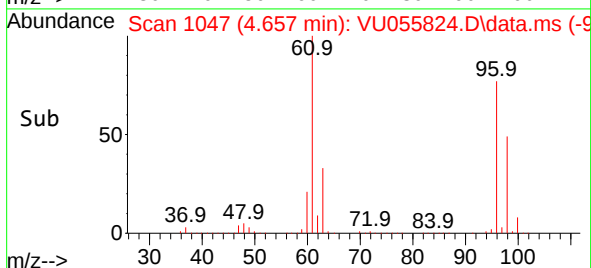
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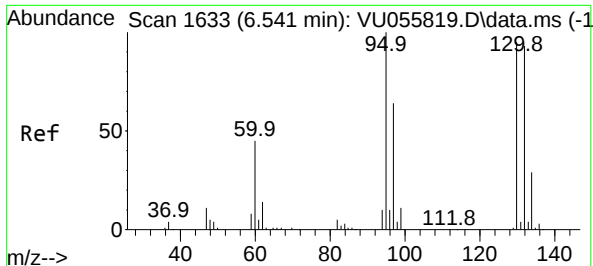


#20
cis-1,2-Dichloroethene
Concen: 2610.486 ug/L
RT: 4.657 min Scan# 1047
Delta R.T. -0.006 min
Lab File: VU055824.D
Acq: 20 Oct 2023 11:34



Tgt Ion: 96 Resp:10610159
Ion Ratio Lower Upper
96 100
61 130.0 92.3 171.5
98 64.0 43.9 81.5





#34

Trichloroethene

Concen: 3017.857 ug/L

RT: 6.538 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU055824.D

Acq: 20 Oct 2023 11:34

Instrument :

MSVOA_U

ClientSampleId :

E45J2

Tgt Ion: 95 Resp:1323911

Ion Ratio Lower Upper

95 100

97 64.8 44.4 82.5

132 87.9 61.8 114.8

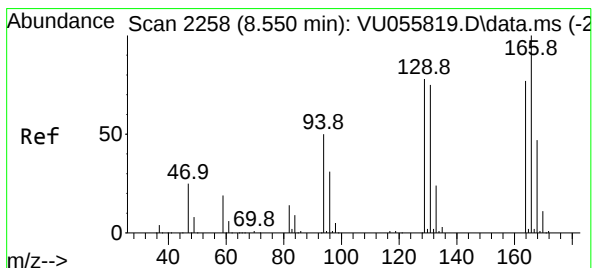
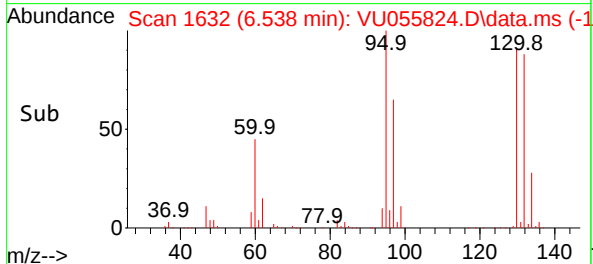
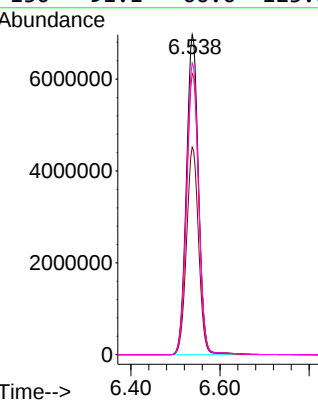
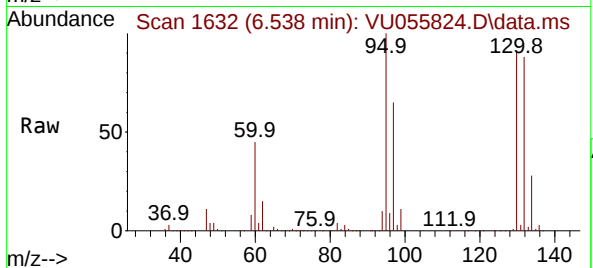
130 91.1 66.6 123.8

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#46

Tetrachloroethene

Concen: 5966.799 ug/L m

RT: 8.554 min Scan# 2259

Delta R.T. 0.003 min

Lab File: VU055824.D

Acq: 20 Oct 2023 11:34

Tgt Ion:164 Resp:18741165

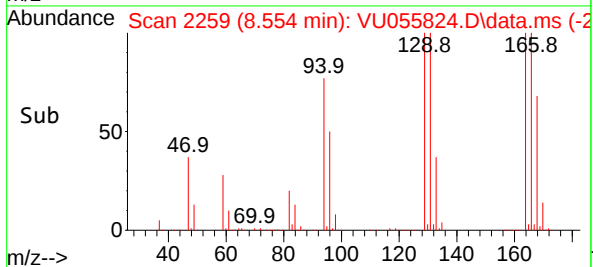
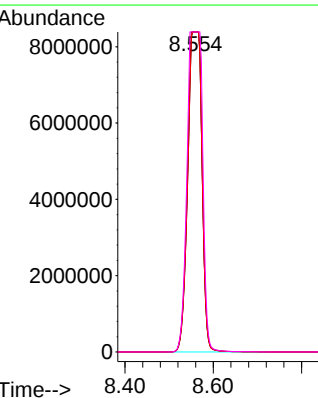
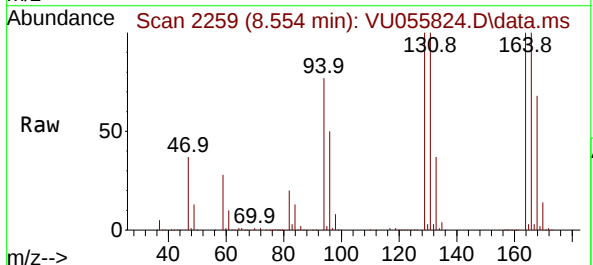
Ion Ratio Lower Upper

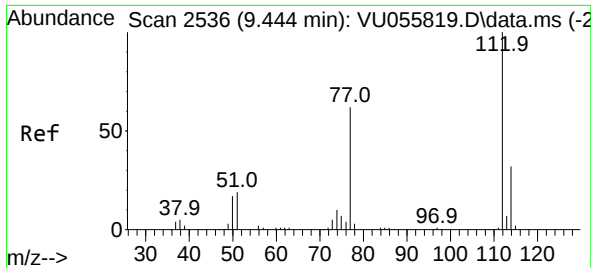
164 100

129 100.0 70.7 131.3

131 100.0 65.9 122.5

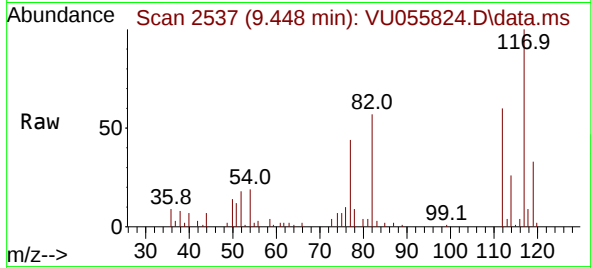
166 100.0 87.8 163.0





#51
 Chlorobenzene
 Concen: 0.912 ug/L
 RT: 9.448 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VU055824.D
 Acq: 20 Oct 2023 11:34

Instrument :
 MSVOA_U
 ClientSampleId :
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Tgt Ion:112	Resp:	998
Ion Ratio	Lower	Upper
112	100	
114	43.3	22.0 40.8
77	73.2	49.0 73.6

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