

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031324\
 Data File : VU058088.D
 Acq On : 13 Mar 2024 17:55
 Operator : MD/SY
 Sample : P1729-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AJ1

Quant Time: Mar 14 04:41:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Mar 14 04:37:22 2024
 Response via : Initial Calibration

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

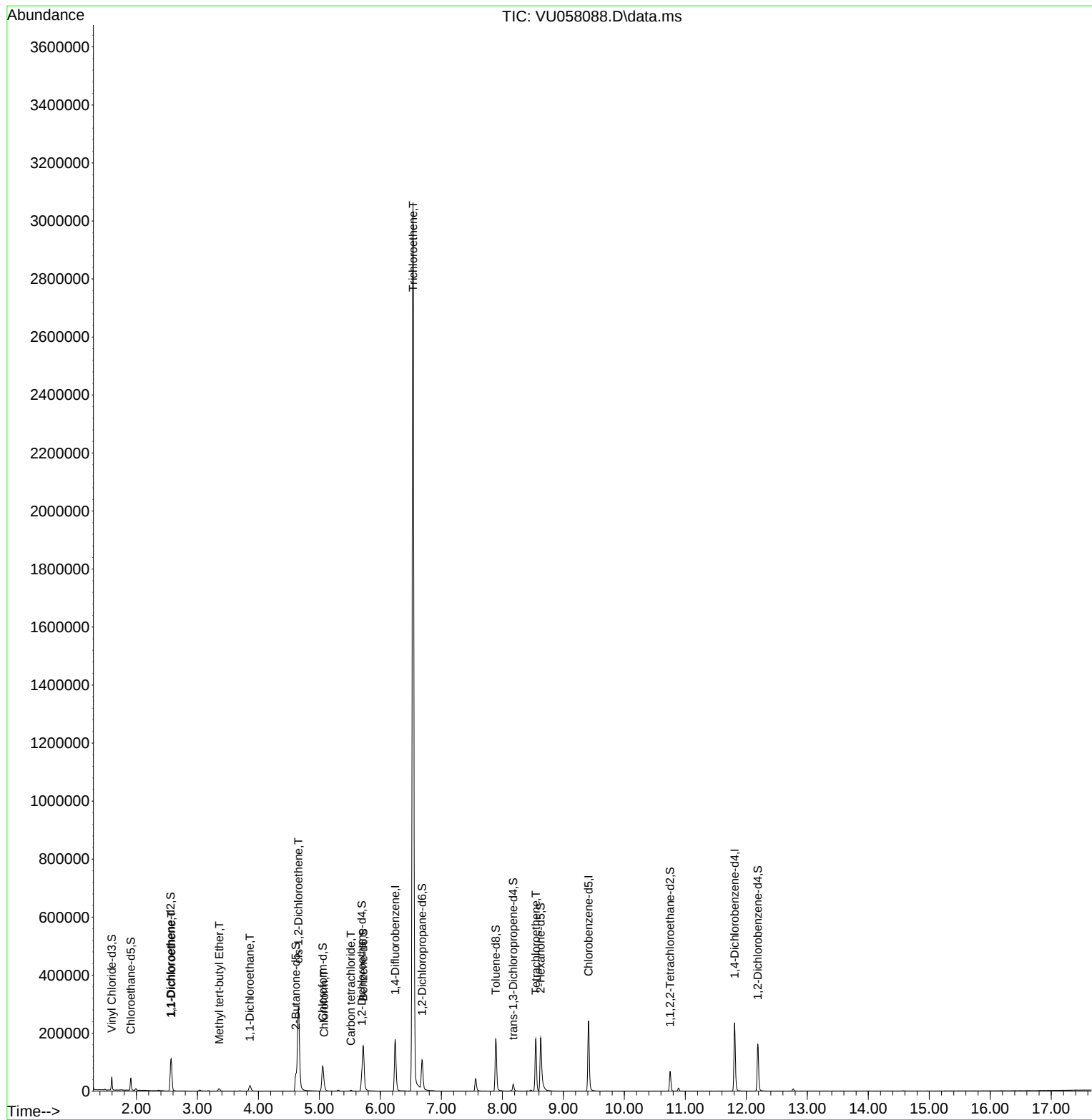
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	143487	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	136263	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	60837	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	27140	2.629	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	52.600%
7) Chloroethane-d5	1.908	69	28177	3.321	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	66.400%
11) 1,1-Dichloroethene-d2	2.560	65	13326	2.983	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.600%#
20) 2-Butanone-d5	4.612	46	86045	50.585	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.160%
24) Chloroform-d	5.052	84	78432	4.017	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.400%
26) 1,2-Dichloroethane-d4	5.695	65	37814	4.274	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.400%
32) Benzene-d6	5.718	84	146152	3.681	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.600%
36) 1,2-Dichloropropane-d6	6.682	67	50361	4.172	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.400%
41) Toluene-d8	7.891	98	123887	3.443	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.800%#
43) trans-1,3-Dichloroprop...	8.177	79	14683	3.537	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.800%
46) 2-Hexanone-d5	8.627	63	71426	51.247	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.500%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	35184	4.753	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	43392	4.331	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.600%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.573	96	21150	2.443	ug/L	96
17) Methyl tert-butyl Ether	3.358	73	7454	0.364	ug/L #	88
19) 1,1-Dichloroethane	3.859	63	23597	1.254	ug/L	99
22) cis-1,2-Dichloroethene	4.657	96	147374	14.206	ug/L	98
25) Chloroform	5.078	83	8642	0.450	ug/L	88
31) Carbon tetrachloride	5.515	117	2254	0.160	ug/L	96
34) Trichloroethene	6.534	95	1086793	98.784	ug/L	98
47) Tetrachloroethene	8.547	164	37500	4.913	ug/L	98

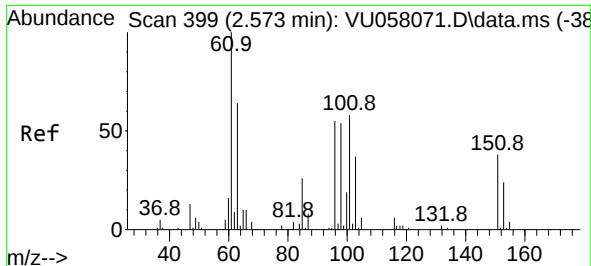
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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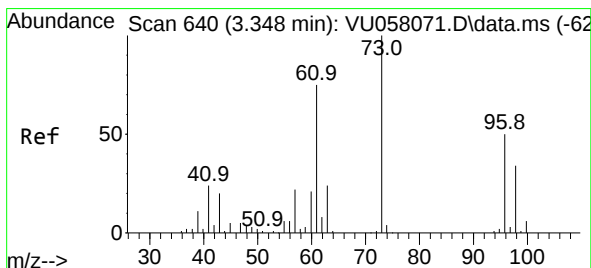
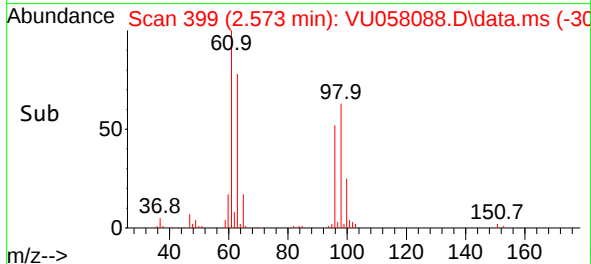
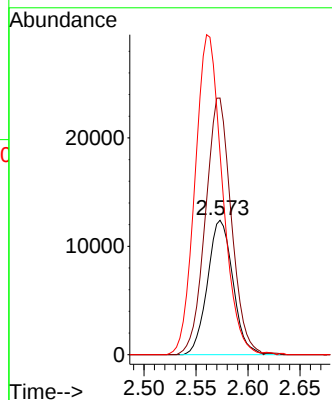
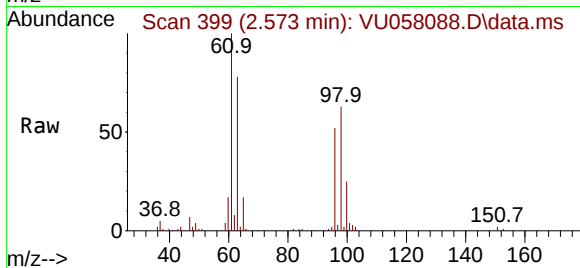




#12
1,1-Dichloroethene
Concen: 2.443 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU058088.D
Acq: 13 Mar 2024 17:55

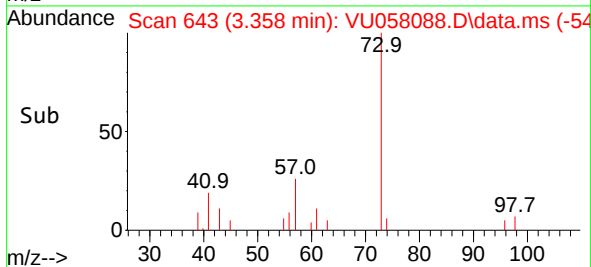
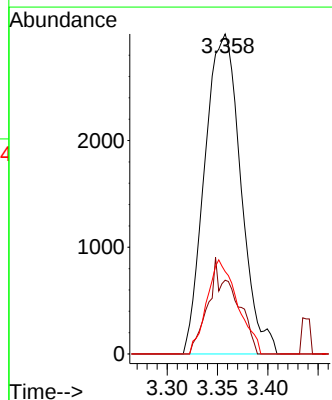
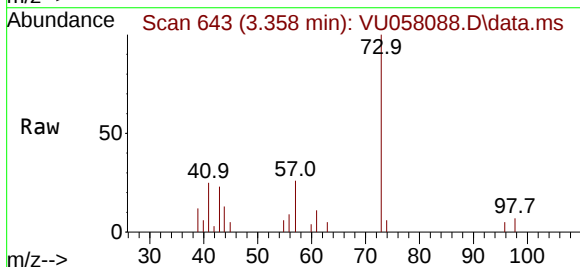
Instrument :
MSVOA_U
ClientSampleId :
C0AJ1

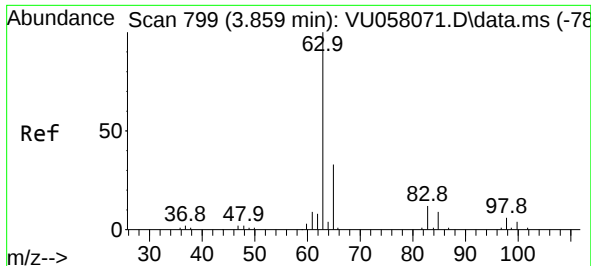
Tgt Ion: 96 Resp: 21150
Ion Ratio Lower Upper
96 100
61 191.0 131.8 244.8
63 149.8 98.1 182.1



#17
Methyl tert-butyl Ether
Concen: 0.364 ug/L
RT: 3.358 min Scan# 643
Delta R.T. 0.010 min
Lab File: VU058088.D
Acq: 13 Mar 2024 17:55

Tgt Ion: 73 Resp: 7454
Ion Ratio Lower Upper
73 100
43 11.3 16.2 24.4#
57 25.1 17.9 26.9





#19

1,1-Dichloroethane

Concen: 1.254 ug/L

RT: 3.859 min Scan# 799

Delta R.T. 0.000 min

Lab File: VU058088.D

Acq: 13 Mar 2024 17:55

Instrument :

MSVOA_U

ClientSampleId :

C0AJ1

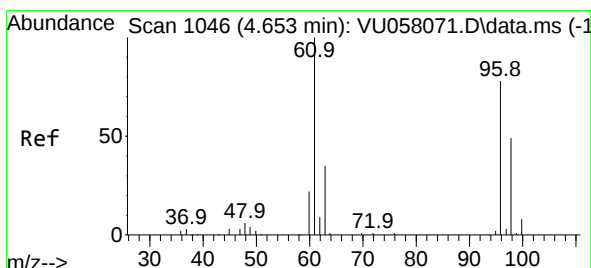
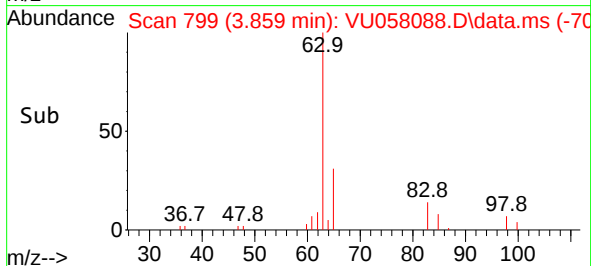
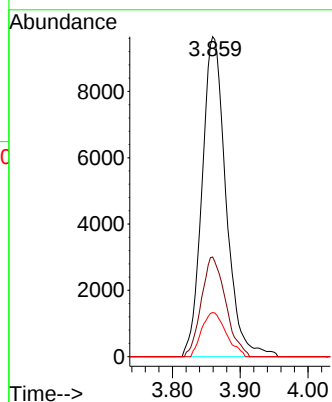
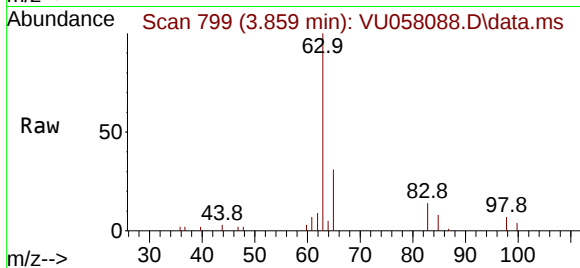
Tgt Ion: 63 Resp: 23597

Ion Ratio Lower Upper

63 100

65 31.1 22.1 41.1

83 13.8 9.0 16.6



#22

cis-1,2-Dichloroethene

Concen: 14.206 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. 0.003 min

Lab File: VU058088.D

Acq: 13 Mar 2024 17:55

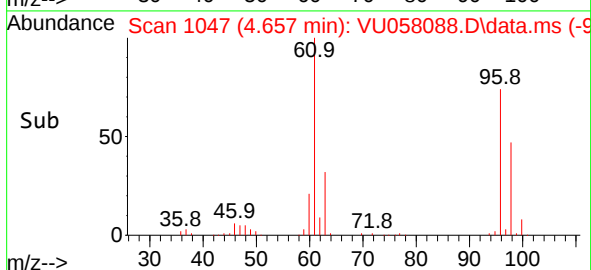
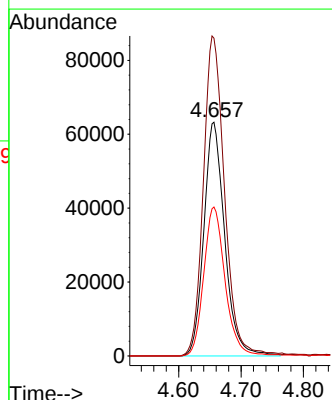
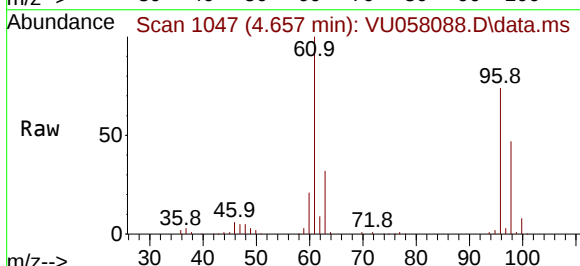
Tgt Ion: 96 Resp: 147374

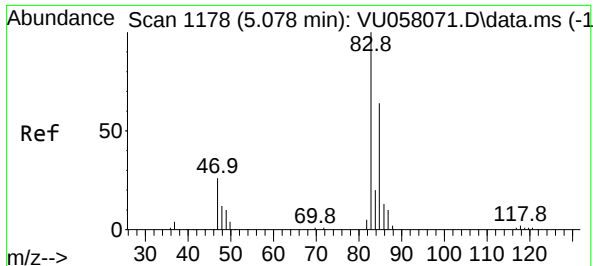
Ion Ratio Lower Upper

96 100

61 135.9 97.2 180.4

98 63.7 45.5 84.5





#25

Chloroform

Concen: 0.450 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU058088.D

Acq: 13 Mar 2024 17:55

Instrument :

MSVOA_U

ClientSampleId :

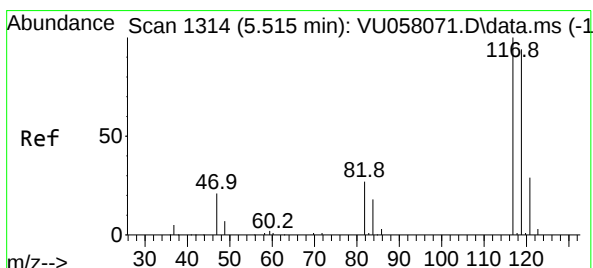
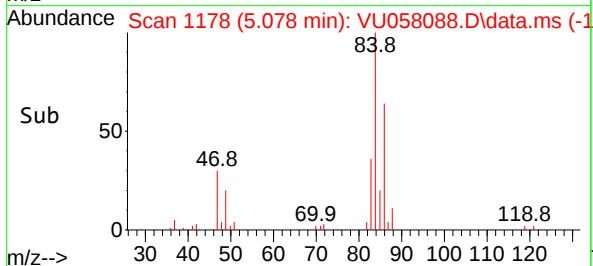
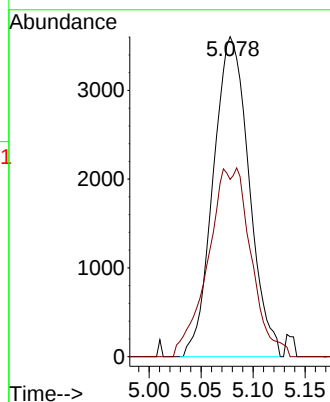
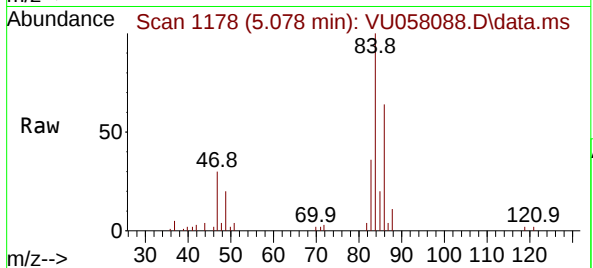
C0AJ1

Tgt Ion: 83 Resp: 8642

Ion Ratio Lower Upper

83 100

85 55.4 45.4 84.4



#31

Carbon tetrachloride

Concen: 0.160 ug/L

RT: 5.515 min Scan# 1314

Delta R.T. 0.000 min

Lab File: VU058088.D

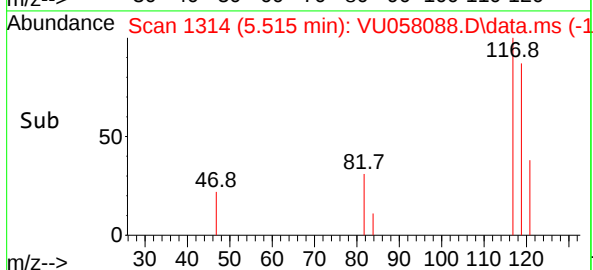
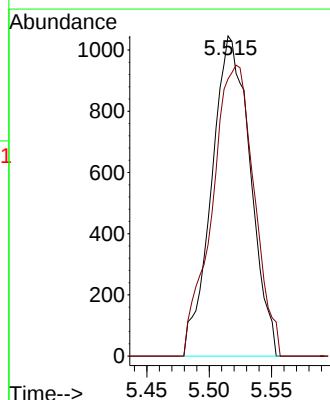
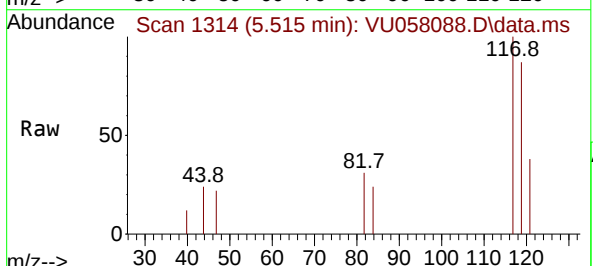
Acq: 13 Mar 2024 17:55

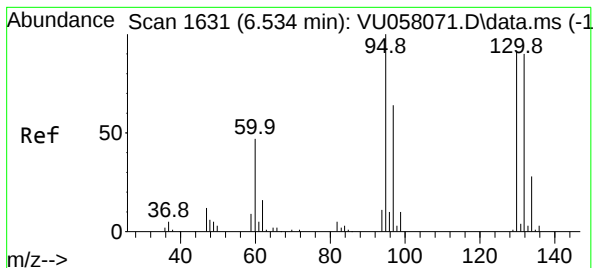
Tgt Ion: 117 Resp: 2254

Ion Ratio Lower Upper

117 100

119 99.0 75.8 113.8





#34

Trichloroethene

Concen: 98.784 ug/L

RT: 6.534 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU058088.D

Acq: 13 Mar 2024 17:55

Instrument :

MSVOA_U

ClientSampleId :

C0AJ1

Tgt Ion: 95 Resp: 1086793

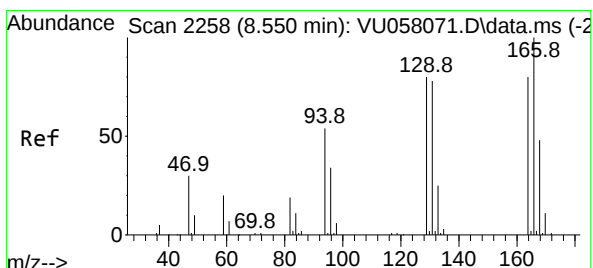
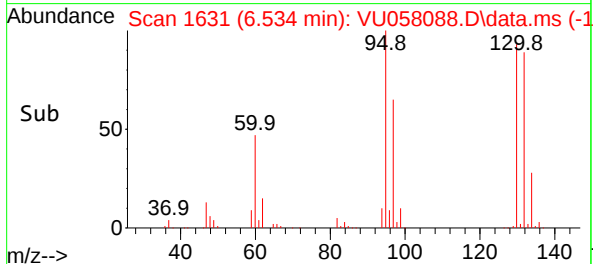
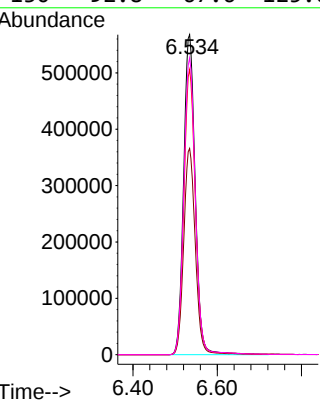
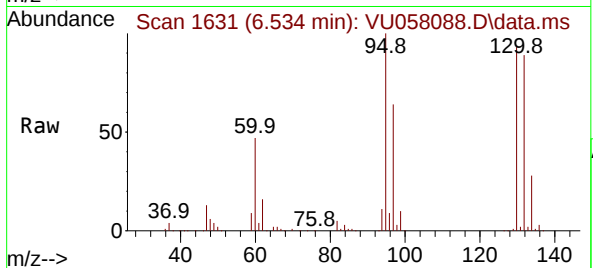
Ion Ratio Lower Upper

95 100

97 64.4 45.3 84.1

132 89.1 63.1 117.1

130 92.8 67.6 125.6



#47

Tetrachloroethene

Concen: 4.913 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.003 min

Lab File: VU058088.D

Acq: 13 Mar 2024 17:55

Tgt Ion:164 Resp: 37500

Ion Ratio Lower Upper

164 100

129 101.3 69.3 128.7

131 98.3 69.9 129.9

166 130.0 90.1 167.3

