

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061523\
 Data File : VW031557.D
 Acq On : 16 Jun 2023 02:34
 Operator : SY/MD
 Sample : 03254-17
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXYZ0

Quant Time: Jun 16 06:20:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 16 05:51:14 2023
 Response via : Initial Calibration

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

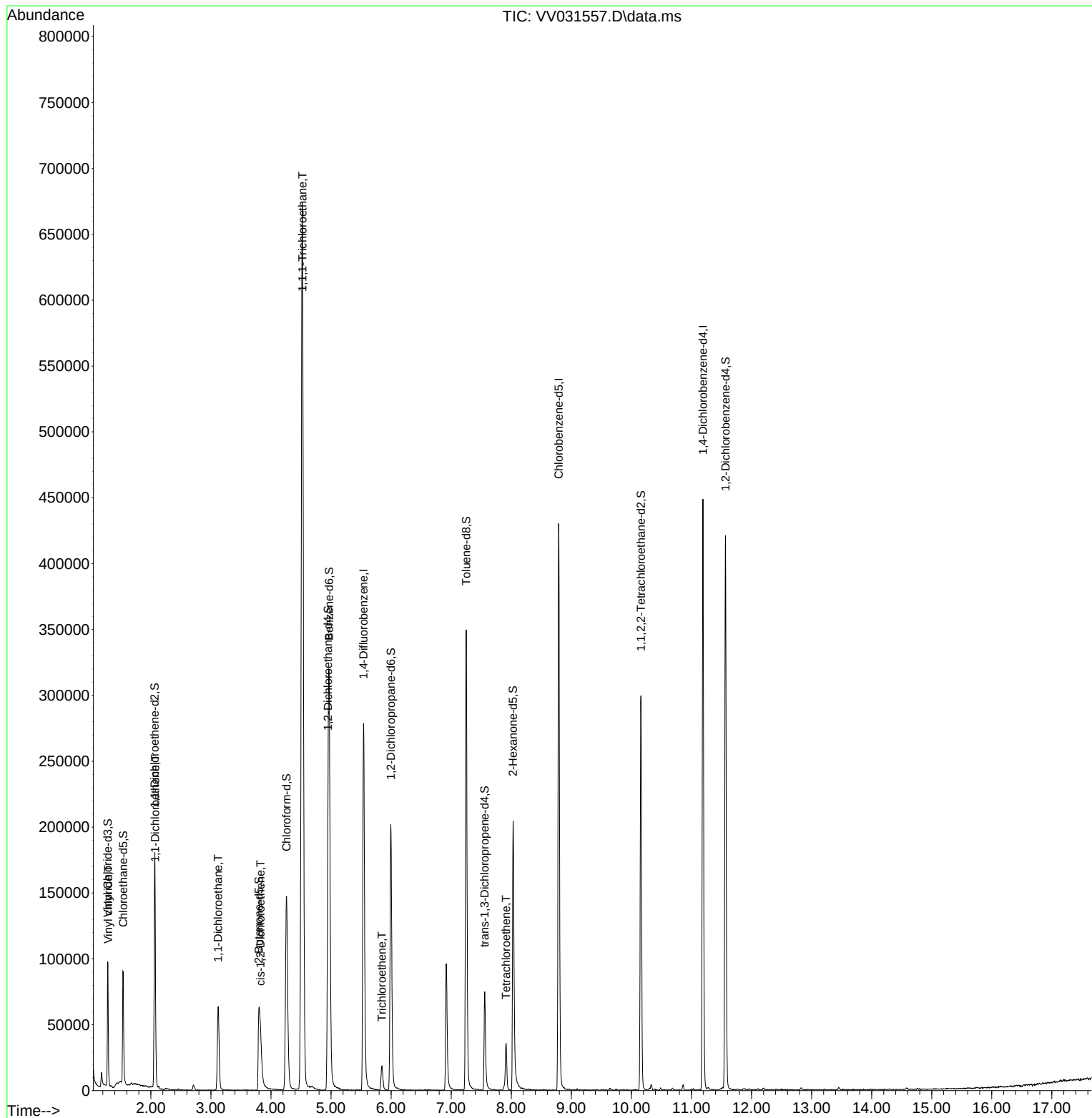
Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	229503	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	224209	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	111715	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	57252	37.483	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.960%
7) Chloroethane-d5	1.539	69	56552	42.433	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.860%
11) 1,1-Dichloroethene-d2	2.066	65	30120	38.262	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.520%
21) 2-Butanone-d5	3.799	46	99160	80.175	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	80.180%
24) Chloroform-d	4.259	84	161248	42.153	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.300%
26) 1,2-Dichloroethane-d4	4.950	65	105964	44.274	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.540%
32) Benzene-d6	4.970	84	279280	44.253	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.500%
36) 1,2-Dichloropropane-d6	5.995	67	101267	45.273	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.540%
41) Toluene-d8	7.249	98	234765	40.537	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.080%
43) trans-1,3-Dichloroprop...	7.558	79	45551	41.773	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.540%
47) 2-Hexanone-d5	8.031	63	71823	81.324	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.320%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	141786	41.995	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.000%
66) 1,2-Dichlorobenzene-d4	11.567	152	106760	50.134	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.260%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.288	62	5889	2.586	ug/L #	78
12) 1,1-Dichloroethene	2.073	96	3008	1.771	ug/L #	1
19) 1,1-Dichloroethane	3.121	63	65805	17.201	ug/L	100
20) cis-1,2-Dichloroethene	3.828	96	12279	6.410	ug/L	95
30) 1,1,1-Trichloroethane	4.523	97	589041	163.862	ug/L	99
34) Trichloroethene	5.847	95	6358	3.187	ug/L	90
46) Tetrachloroethene	7.912	164	7886	5.037	ug/L	94

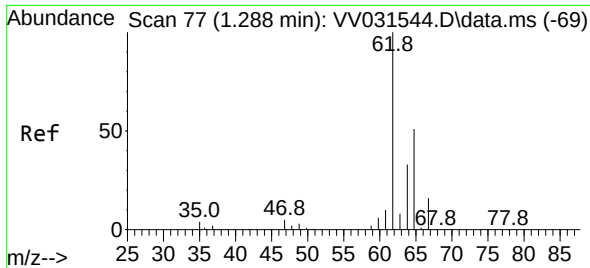
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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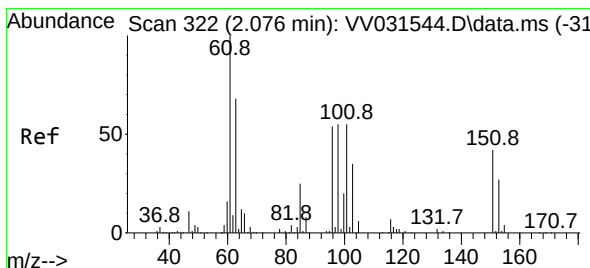
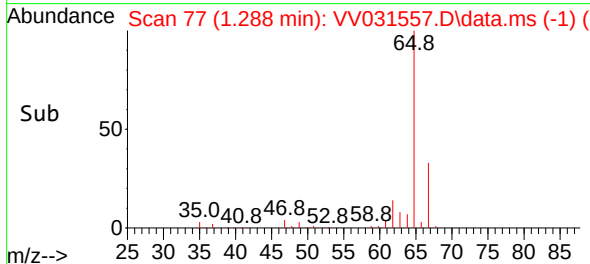
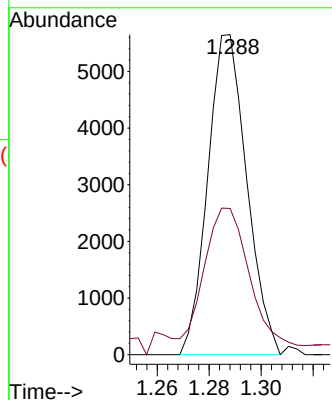
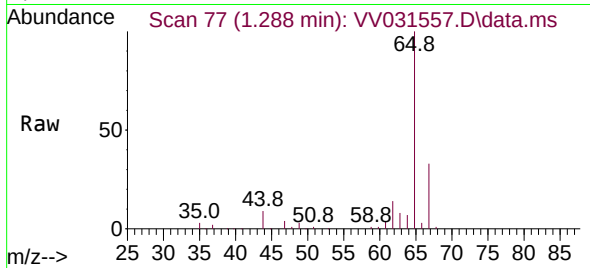




#5
 Vinyl chloride
 Concen: 2.586 ug/L
 RT: 1.288 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VV031557.D
 Acq: 16 Jun 2023 02:34

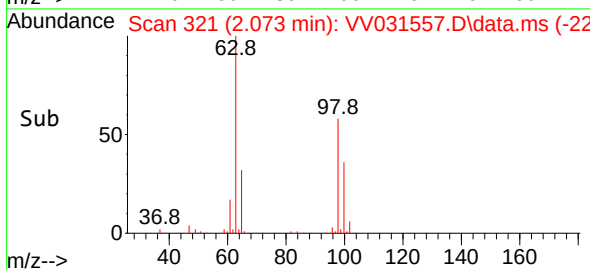
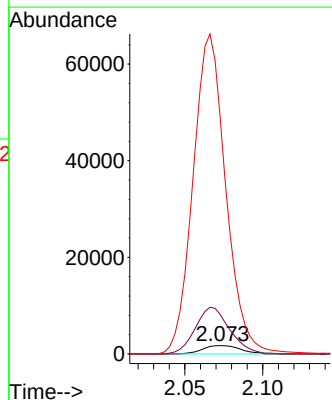
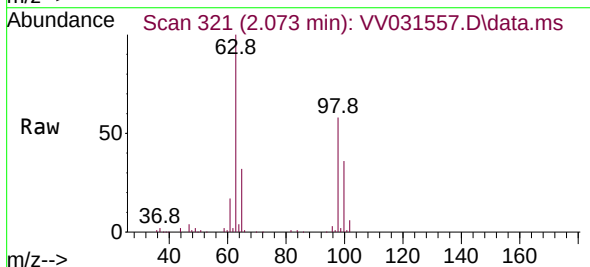
Instrument :
 MSVOA_V
 ClientSampleId :
 EXYZ0

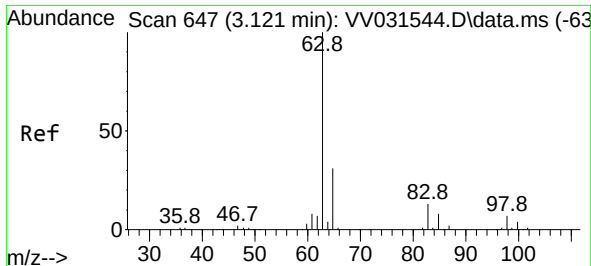
Tgt Ion: 62 Resp: 5889
 Ion Ratio Lower Upper
 62 100
 64 45.7 23.4 43.4#



#12
 1,1-Dichloroethene
 Concen: 1.771 ug/L
 RT: 2.073 min Scan# 321
 Delta R.T. -0.003 min
 Lab File: VV031557.D
 Acq: 16 Jun 2023 02:34

Tgt Ion: 96 Resp: 3008
 Ion Ratio Lower Upper
 96 100
 61 479.1 128.9 239.5#
 63 2874.4 95.3 177.1#





#19

1,1-Dichloroethane

Concen: 17.201 ug/L

RT: 3.121 min Scan# 647

Delta R.T. 0.000 min

Lab File: VV031557.D

Acq: 16 Jun 2023 02:34

Instrument :

MSVOA_V

ClientSampleId :

EXYZ0

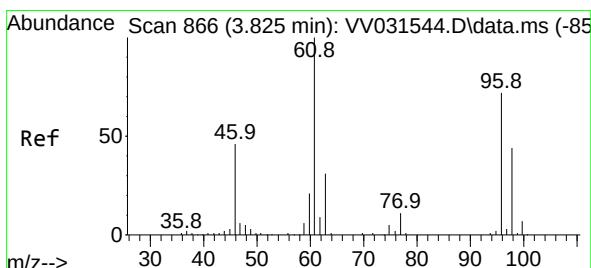
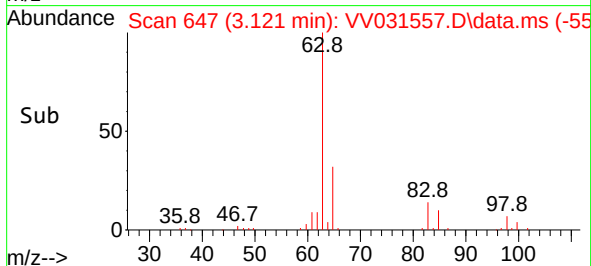
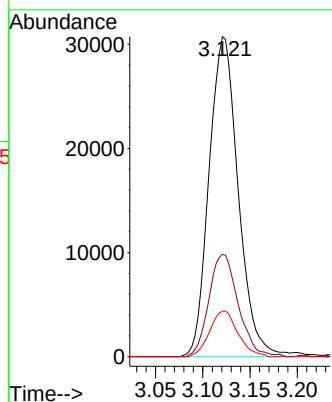
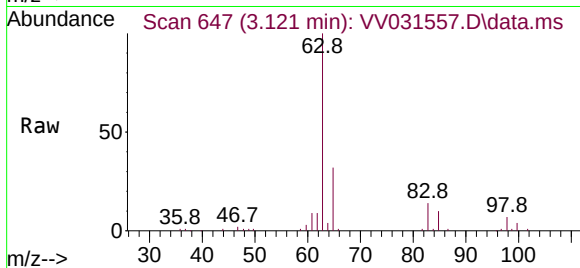
Tgt Ion: 63 Resp: 65805

Ion Ratio Lower Upper

63 100

65 32.0 22.5 41.7

83 14.2 10.0 18.6



#20

cis-1,2-Dichloroethene

Concen: 6.410 ug/L

RT: 3.828 min Scan# 867

Delta R.T. 0.003 min

Lab File: VV031557.D

Acq: 16 Jun 2023 02:34

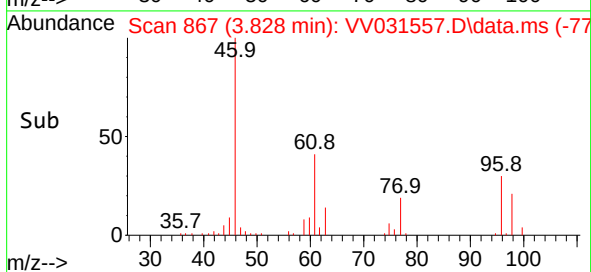
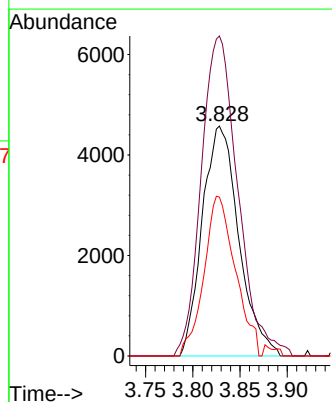
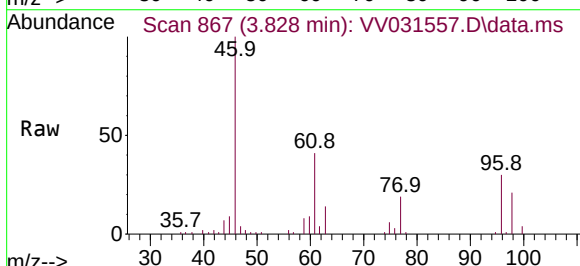
Tgt Ion: 96 Resp: 12279

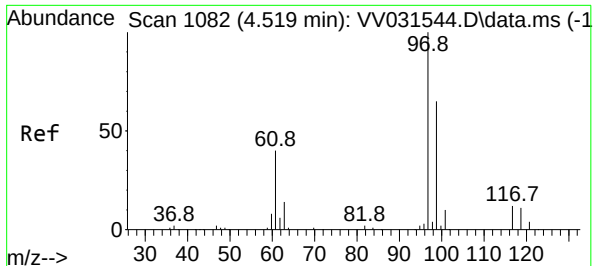
Ion Ratio Lower Upper

96 100

61 148.1 98.6 183.0

98 67.0 45.7 84.9





#30

1,1,1-Trichloroethane

Concen: 163.862 ug/L

RT: 4.523 min Scan# 1082

Delta R.T. 0.003 min

Lab File: VV031557.D

Acq: 16 Jun 2023 02:34

Instrument :

MSVOA_V

ClientSampleId :

XYZ0

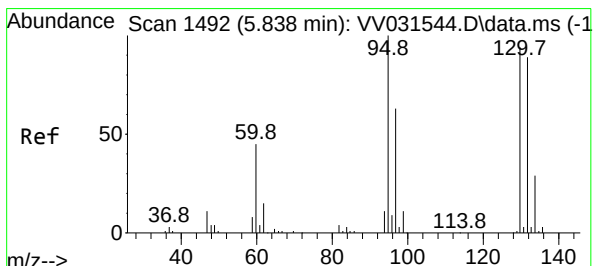
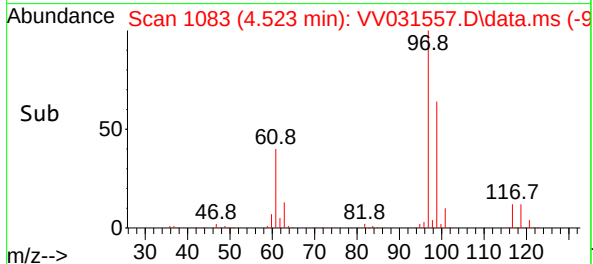
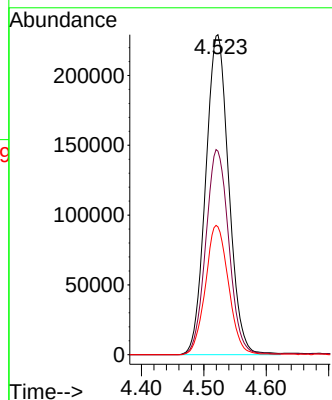
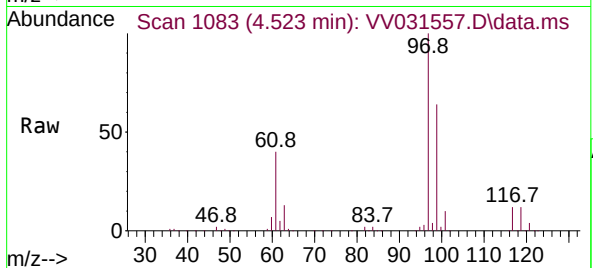
Tgt Ion: 97 Resp: 589041

Ion Ratio Lower Upper

97 100

99 64.0 51.8 77.6

61 40.4 33.0 49.6



#34

Trichloroethene

Concen: 3.187 ug/L

RT: 5.847 min Scan# 1495

Delta R.T. 0.010 min

Lab File: VV031557.D

Acq: 16 Jun 2023 02:34

Tgt Ion: 95 Resp: 6358

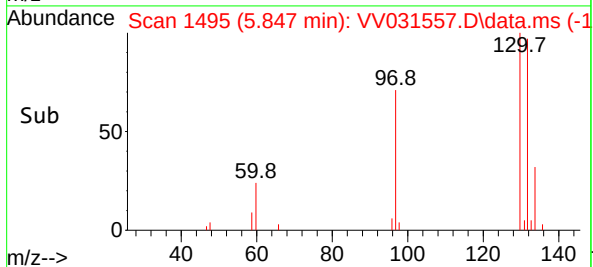
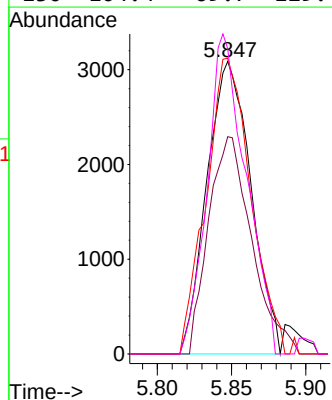
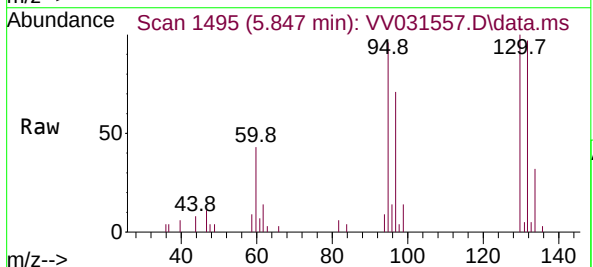
Ion Ratio Lower Upper

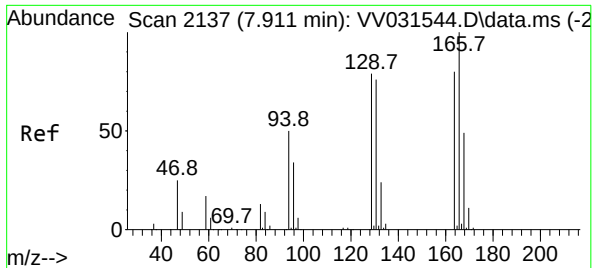
95 100

97 78.7 46.8 86.8

132 106.5 66.4 123.2

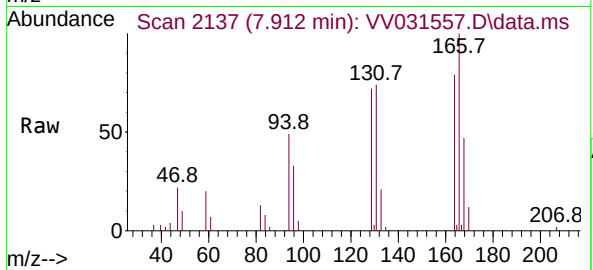
130 104.4 69.7 129.4





#46
 Tetrachloroethene
 Concen: 5.037 ug/L
 RT: 7.912 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV031557.D
 Acq: 16 Jun 2023 02:34

Instrument :
 MSVOA_V
 ClientSampleId :
 EXYZ0



Tgt Ion:164 Resp: 7886

Ion	Ratio	Lower	Upper
164	100		
129	87.9	68.4	127.0
131	90.5	67.6	125.6
166	126.3	91.3	169.5

