

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082423\
 Data File : VV031919.D
 Acq On : 24 Aug 2023 19:11
 Operator : SY/MD
 Sample : 04153-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 69 Sample Multiplier: 1

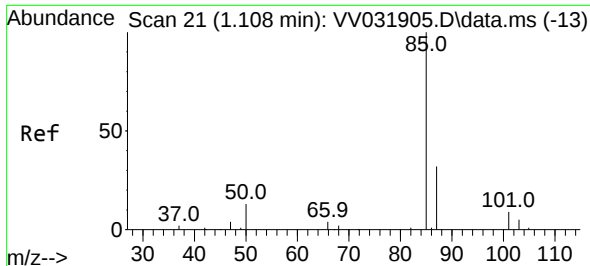
Instrument :
 MSVOA_V
 ClientSampleId :
 BH459

Quant Time: Aug 25 01:01:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR082323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Aug 25 00:56:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	113402	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	105408	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	55501	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	16359	4.271	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.400%
7) Chloroethane-d5	1.535	69	21717	4.950	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.000%
11) 1,1-Dichloroethene-d2	2.063	65	10078	4.471	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.400%
20) 2-Butanone-d5	3.815	46	113481	61.207	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.420%
24) Chloroform-d	4.256	84	61958	4.780	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.600%
26) 1,2-Dichloroethane-d4	4.950	65	32040	4.797	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.000%
32) Benzene-d6	4.966	84	116738	4.867	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.400%
36) 1,2-Dichloropropane-d6	5.995	67	41032	4.851	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.000%
41) Toluene-d8	7.249	98	105249	4.729	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.600%
43) trans-1,3-Dichloroprop...	7.564	79	14116	4.577	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.600%
46) 2-Hexanone-d5	8.030	63	89722	54.561	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.120%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	32018	5.276	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.600%
66) 1,2-Dichlorobenzene-d4	11.564	152	42868	4.769	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.400%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.108	85	829	0.128	ug/L	99
3) Chloromethane	1.217	50	1029	0.148	ug/L	90
12) 1,1-Dichloroethene	2.072	96	4363	0.855	ug/L #	1
17) Methyl tert-butyl Ether	2.709	73	2451	0.155	ug/L #	78
19) 1,1-Dichloroethane	3.121	63	4961	0.416	ug/L	99
22) cis-1,2-Dichloroethene	3.821	96	21061	3.160	ug/L	99
25) Chloroform	4.281	83	26235	2.160	ug/L	96
31) Carbon tetrachloride	4.741	117	1423	0.173	ug/L	85
34) Trichloroethene	5.841	95	17510	2.467	ug/L	97
47) Tetrachloroethene	7.918	164	815	0.180	ug/L	86

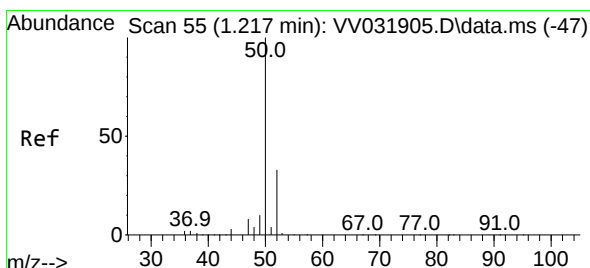
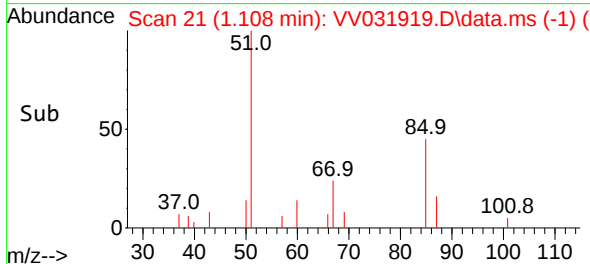
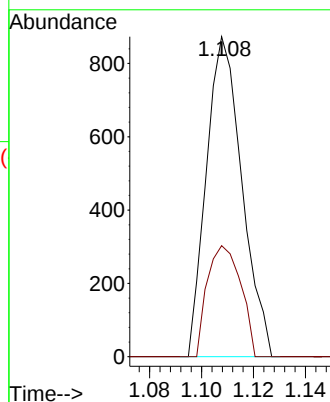
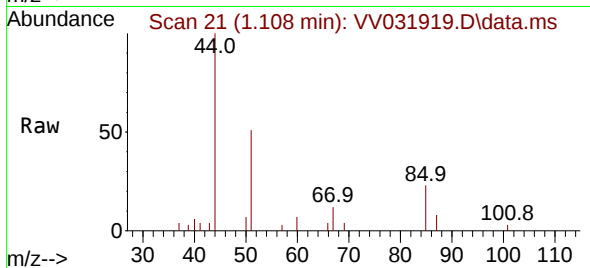
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 0.128 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV031919.D
 Acq: 24 Aug 2023 19:11

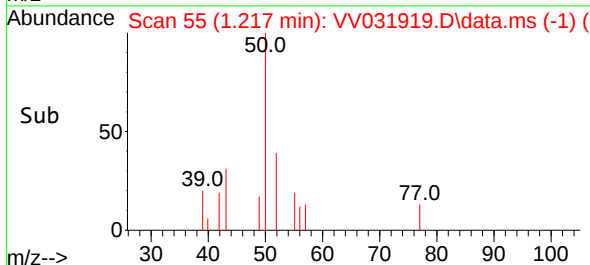
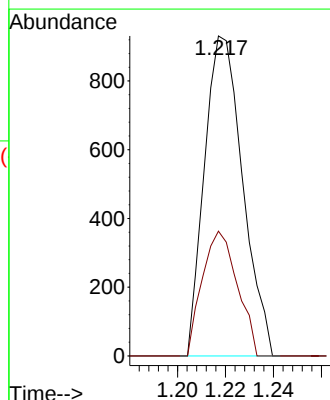
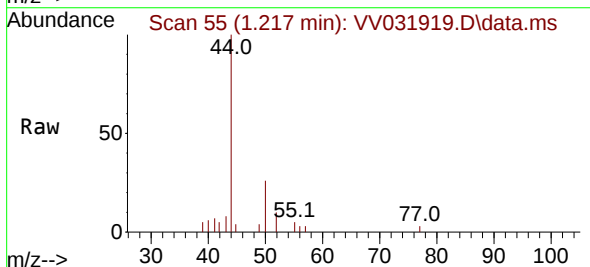
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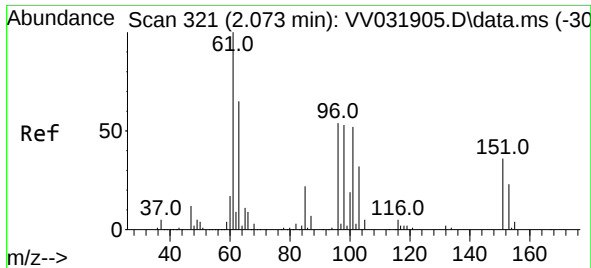
Tgt Ion: 85 Resp: 829
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.7 38.5



#3
 Chloromethane
 Concen: 0.148 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV031919.D
 Acq: 24 Aug 2023 19:11

Tgt Ion: 50 Resp: 1029
 Ion Ratio Lower Upper
 50 100
 52 39.0 23.3 43.3

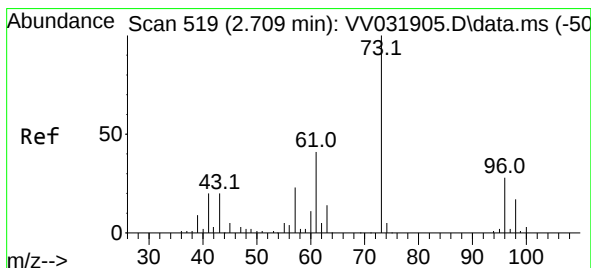
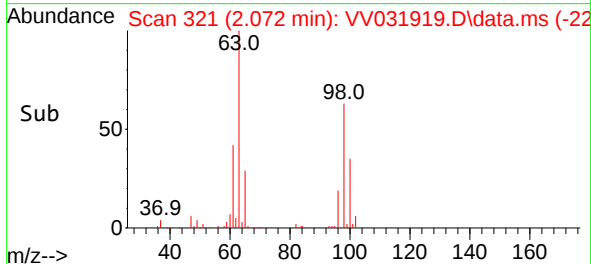
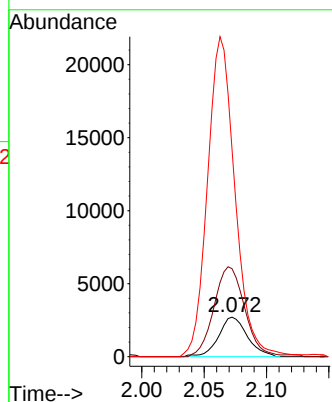
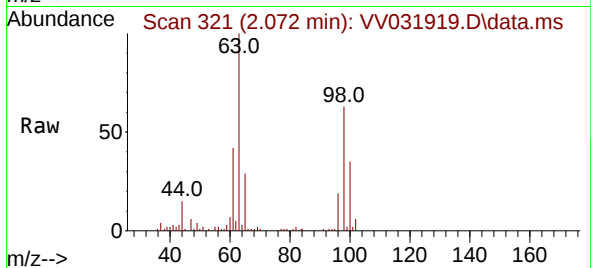




#12
1,1-Dichloroethene
Concen: 0.855 ug/L
RT: 2.072 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV031919.D
Acq: 24 Aug 2023 19:11

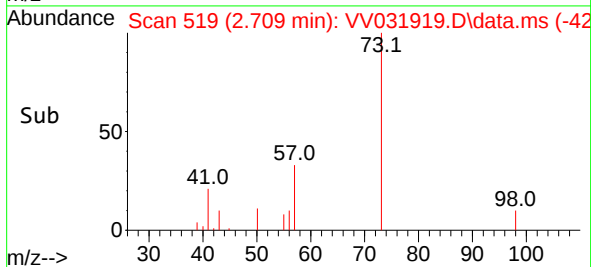
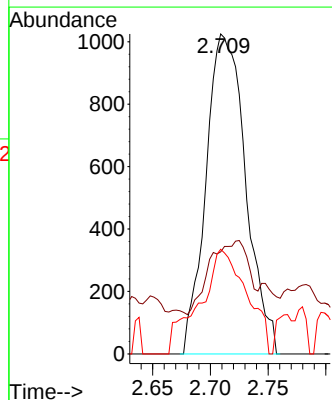
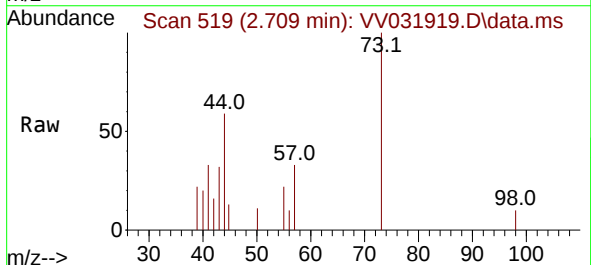
Instrument :
MSVOA_V
ClientSampleId :
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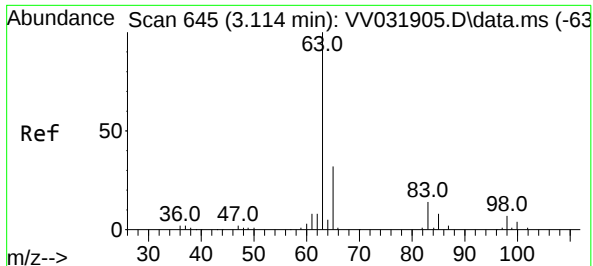
Tgt Ion: 96 Resp: 4363
Ion Ratio Lower Upper
96 100
61 222.5 129.0 239.6
63 524.0 99.0 183.8#



#17
Methyl tert-butyl Ether
Concen: 0.155 ug/L
RT: 2.709 min Scan# 519
Delta R.T. -0.000 min
Lab File: VV031919.D
Acq: 24 Aug 2023 19:11

Tgt Ion: 73 Resp: 2451
Ion Ratio Lower Upper
73 100
43 22.9 15.6 23.4
57 39.0 17.8 26.8#





#19

1,1-Dichloroethane

Concen: 0.416 ug/L

RT: 3.121 min Scan# 645

Delta R.T. 0.006 min

Lab File: VV031919.D

Acq: 24 Aug 2023 19:11

Instrument :

MSVOA_V

ClientSampleId :

BH459

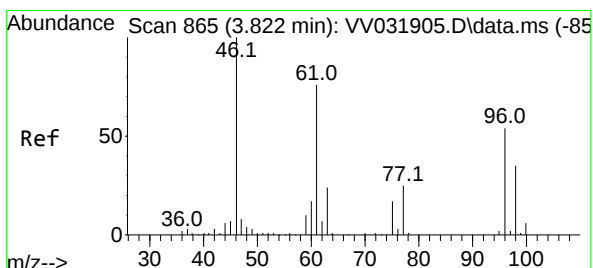
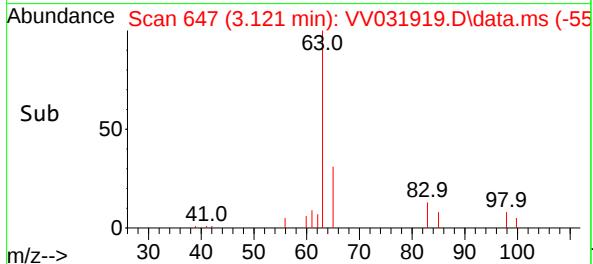
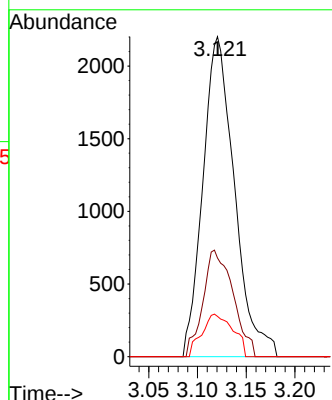
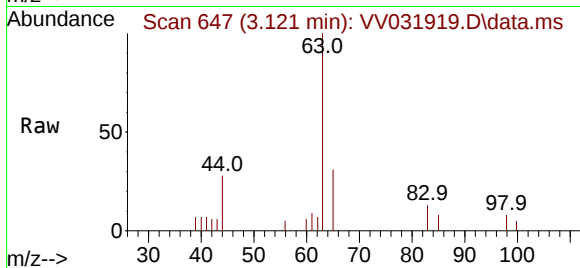
Tgt Ion: 63 Resp: 4961

Ion Ratio Lower Upper

63 100

65 30.8 21.9 40.7

83 12.6 9.2 17.2



#22

cis-1,2-Dichloroethene

Concen: 3.160 ug/L

RT: 3.821 min Scan# 865

Delta R.T. -0.000 min

Lab File: VV031919.D

Acq: 24 Aug 2023 19:11

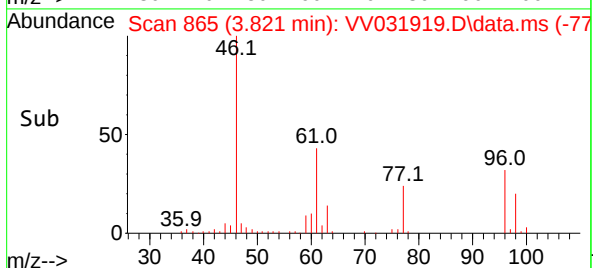
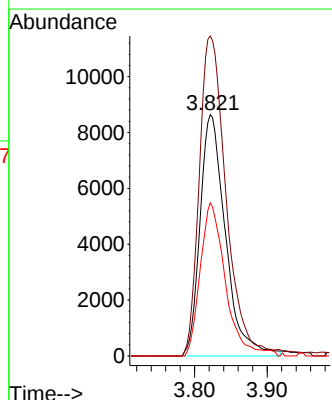
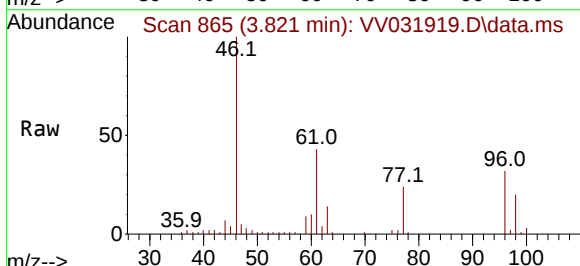
Tgt Ion: 96 Resp: 21061

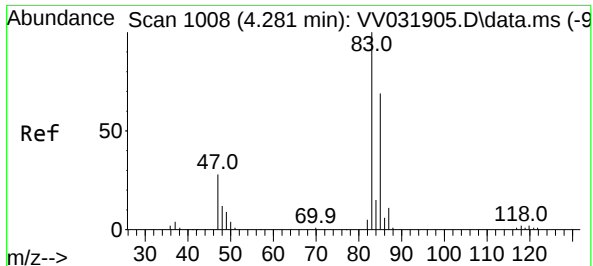
Ion Ratio Lower Upper

96 100

61 132.6 94.1 174.8

98 63.5 43.8 81.4





#25

Chloroform

Concen: 2.160 ug/L

RT: 4.281 min Scan# 1100

Delta R.T. -0.000 min

Lab File: VV031919.D

Acq: 24 Aug 2023 19:11

Instrument :

MSVOA_V

ClientSampleId :

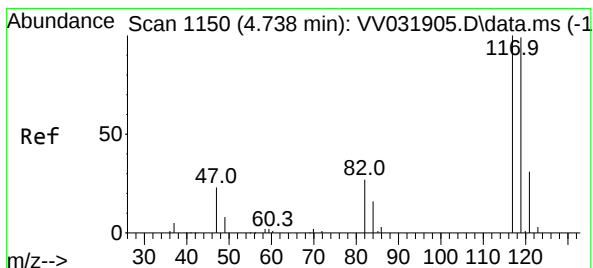
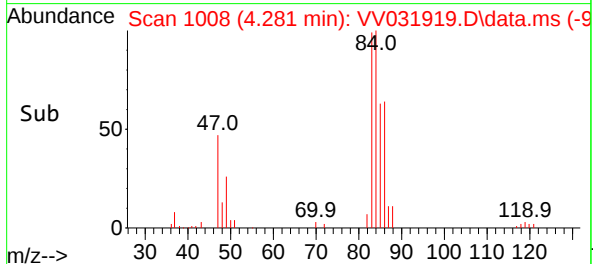
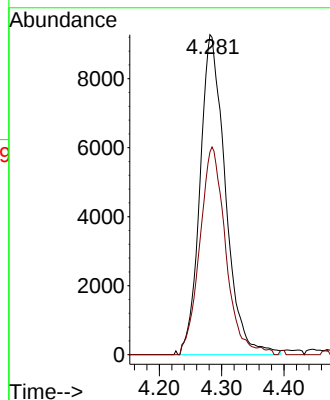
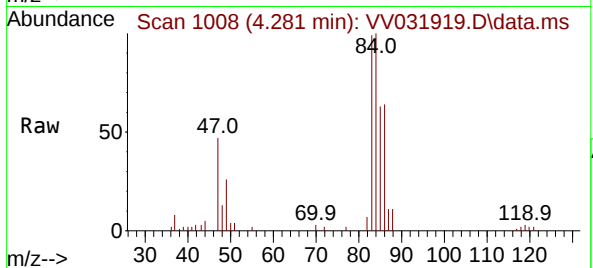
BH459

Tgt Ion: 83 Resp: 26235

Ion Ratio Lower Upper

83 100

85 63.3 46.4 86.2



#31

Carbon tetrachloride

Concen: 0.173 ug/L

RT: 4.741 min Scan# 1151

Delta R.T. 0.003 min

Lab File: VV031919.D

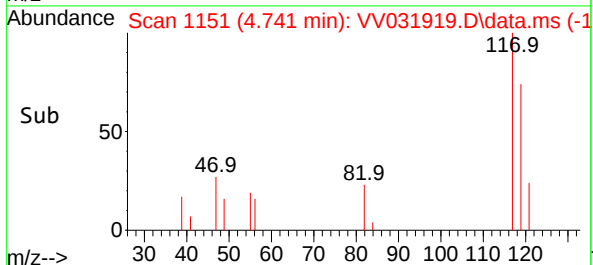
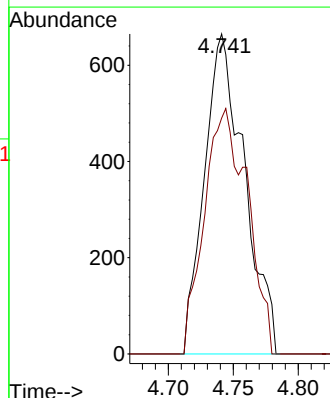
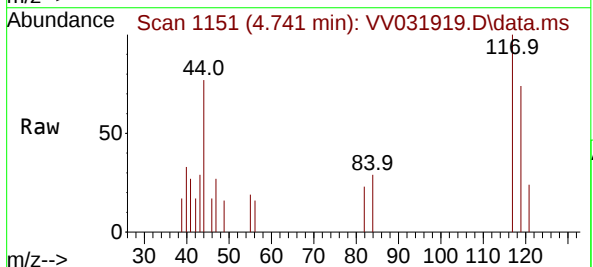
Acq: 24 Aug 2023 19:11

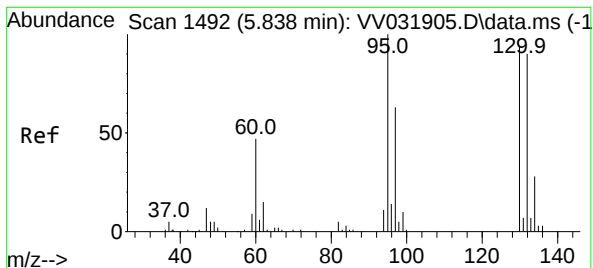
Tgt Ion: 117 Resp: 1423

Ion Ratio Lower Upper

117 100

119 82.9 78.4 117.6





#34

Trichloroethene

Concen: 2.467 ug/L

RT: 5.841 min Scan# 1493

Delta R.T. 0.003 min

Lab File: VV031919.D

Acq: 24 Aug 2023 19:11

Instrument :

MSVOA_V

ClientSampleId :

BH459

Tgt Ion: 95 Resp: 17510

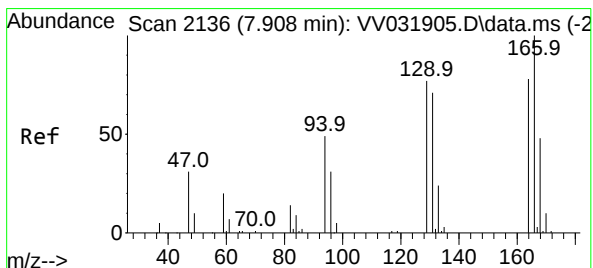
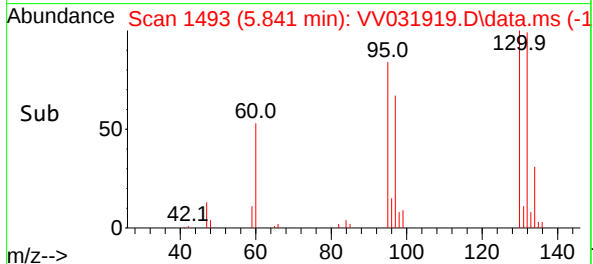
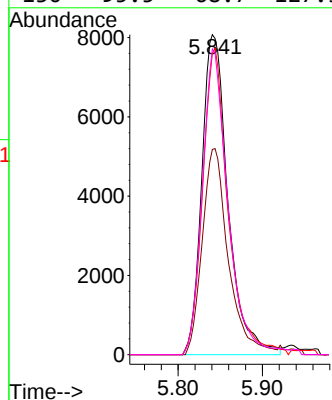
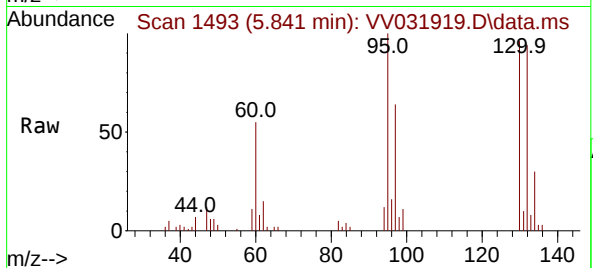
Ion Ratio Lower Upper

95 100

97 64.2 47.7 88.7

132 94.1 63.8 118.4

130 95.5 68.7 127.5



#47

Tetrachloroethene

Concen: 0.180 ug/L

RT: 7.918 min Scan# 2139

Delta R.T. 0.009 min

Lab File: VV031919.D

Acq: 24 Aug 2023 19:11

Tgt Ion:164 Resp: 815

Ion Ratio Lower Upper

164 100

129 87.8 70.6 131.2

131 76.5 64.6 120.0

166 111.9 88.3 164.1

