

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092921\
 Data File : VV022398.D
 Acq On : 29 Sep 2021 23:44
 Operator : SY/MD
 Sample : M3979-02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F4A43

Manual Integrations
 APPROVED

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 9/30/2021 1:55:06 PM

Quant Time: Sep 30 07:08:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 30 06:55:59 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	242917	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	236518	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	101712	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	76467	37.092	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	74.180%		
7) Chloroethane-d5	1.561	69	70826	43.437	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	86.880%		
11) 1,1-Dichloroethene-d2	2.104	63	112074	31.268	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	62.540%		
21) 2-Butanone-d5	3.873	46	130071	89.402	ug/L	-0.03
Spiked Amount 100.000	Range 40 - 130		Recovery =	89.400%		
24) Chloroform-d	4.349	84	162106	43.547	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.100%		
26) 1,2-Dichloroethane-d4	5.030	65	107713	47.185	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.360%		
32) Benzene-d6	5.050	84	341704	45.924	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.840%		
36) 1,2-Dichloropropane-d6	6.069	67	112864	47.414	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.820%		
41) Toluene-d8	7.316	98	303638	44.585	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.160%		
43) trans-1,3-Dichloroprop...	7.622	79	44367	40.817	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	81.640%		
47) 2-Hexanone-d5	8.088	63	90396	93.457	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	93.460%		
56) 1,1,2,2-Tetrachloroeth...	10.217	84	160951	46.579	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	93.160%		
66) 1,2-Dichlorobenzene-d4	11.625	152	120335	53.206	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	106.420%		
Target Compounds						Qvalue
17) trans-1,2-Dichloroethene	2.760	96	5344	2.900	ug/L	91
18) Methyl tert-butyl Ether	2.767	73	7774	1.419	ug/L #	85
20) cis-1,2-Dichloroethene	3.911	96	2665m	1.358	ug/L	
25) Chloroform	4.378	83	10828	3.160	ug/L	98
34) Trichloroethene	5.921	95	10418	5.613	ug/L	96
46) Tetrachloroethene	7.976	164	338283	221.336	ug/L	96

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

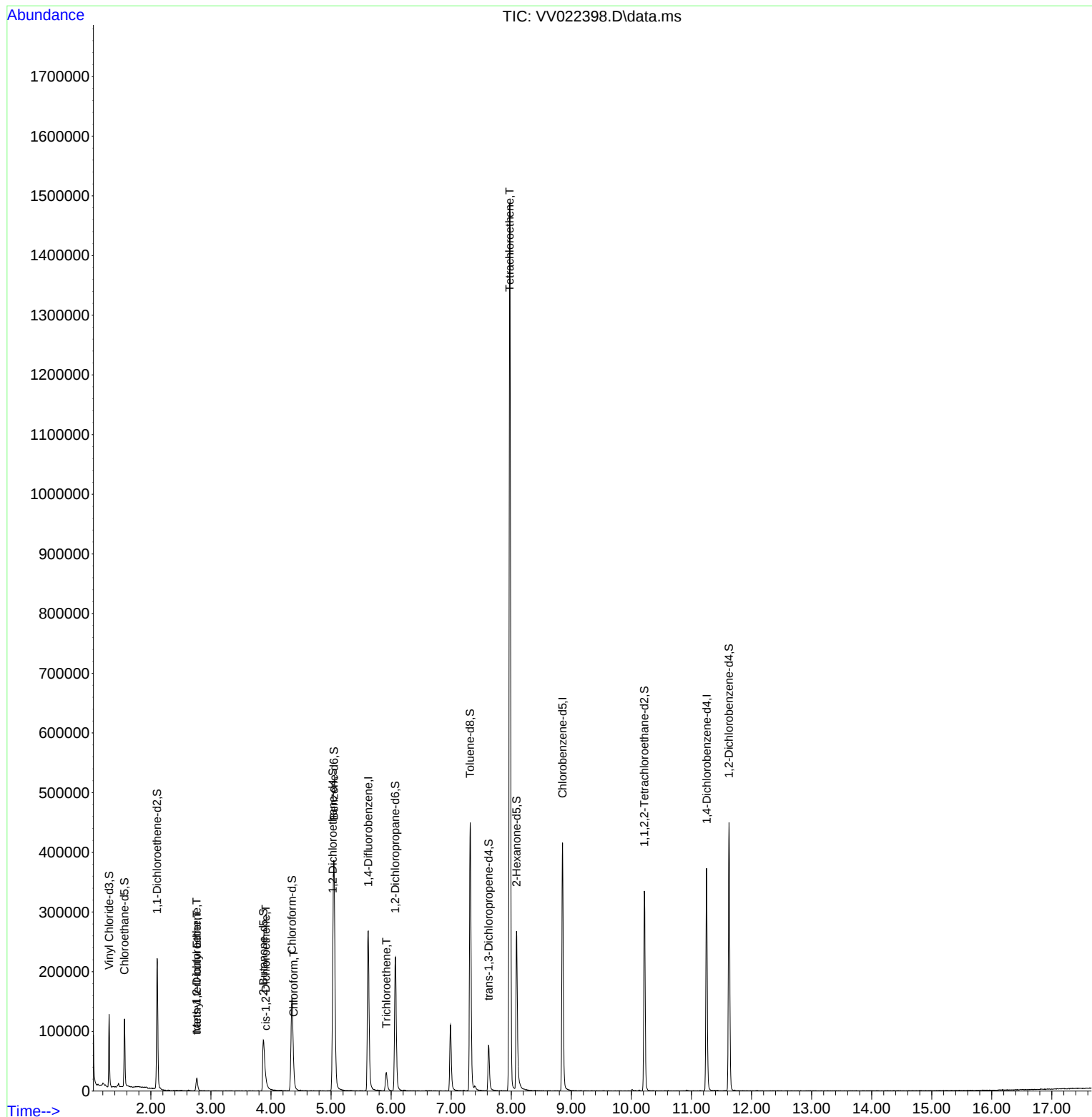
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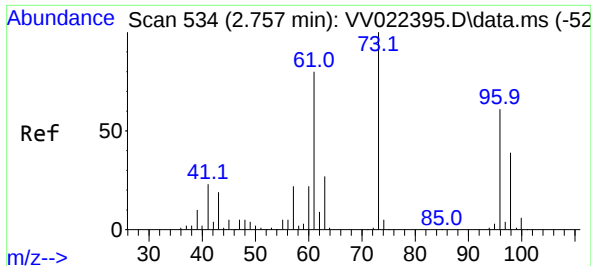
Instrument :
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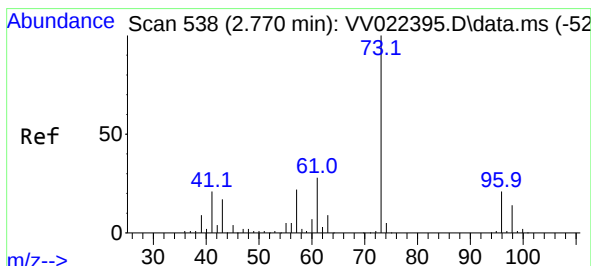
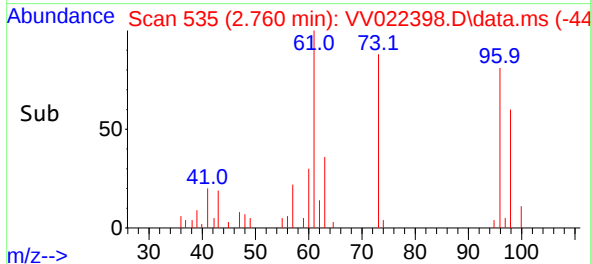
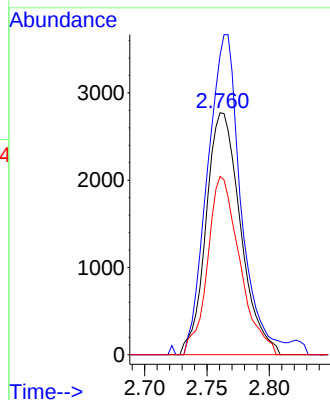
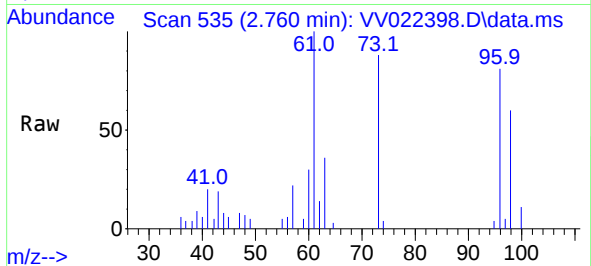
#17
trans-1,2-Dichloroethene
Concen: 2.900 ug/L
RT: 2.760 min Scan# 535
Delta R.T. 0.003 min
Lab File: VV022398.D
Acq: 29 Sep 2021 23:44

Tgt Ion: 96 Resp: 5344
Ion Ratio Lower Upper
96 100
61 123.7 92.7 172.1
98 73.7 44.4 82.5

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ClientSampled :
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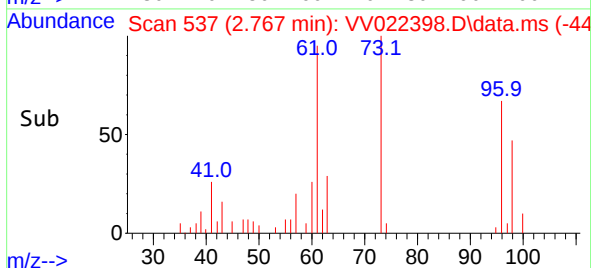
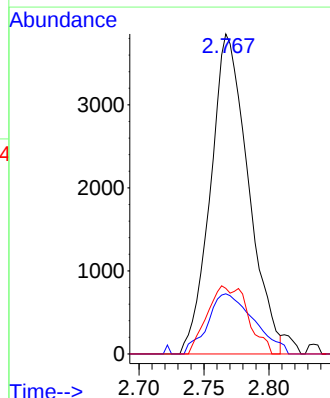
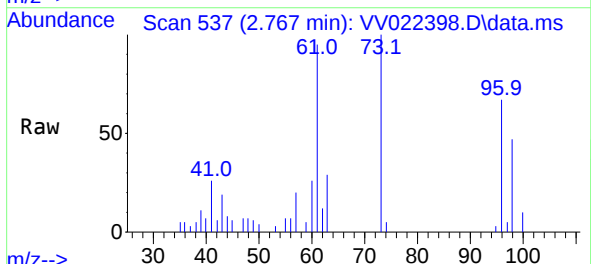
Manual Integrations
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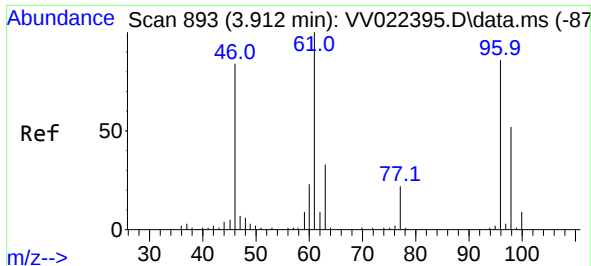
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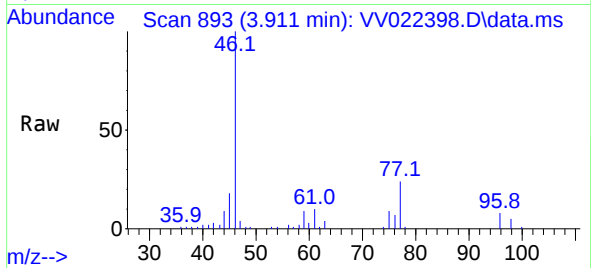
#18
Methyl tert-butyl Ether
Concen: 1.419 ug/L
RT: 2.767 min Scan# 537
Delta R.T. -0.003 min
Lab File: VV022398.D
Acq: 29 Sep 2021 23:44

Tgt Ion: 73 Resp: 7774
Ion Ratio Lower Upper
73 100
43 23.0 14.6 21.8#
57 13.2 17.6 26.4#

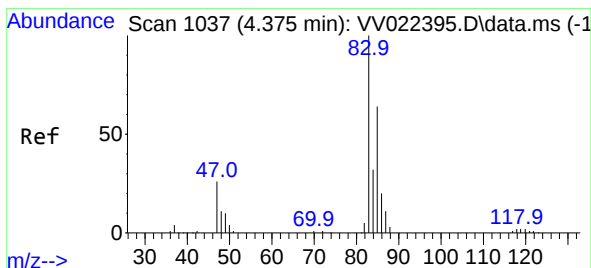
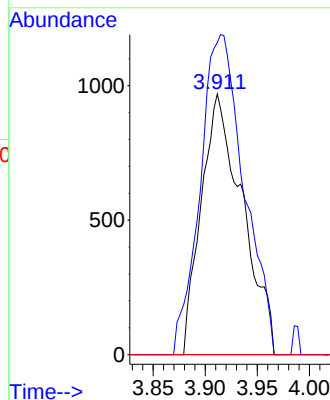
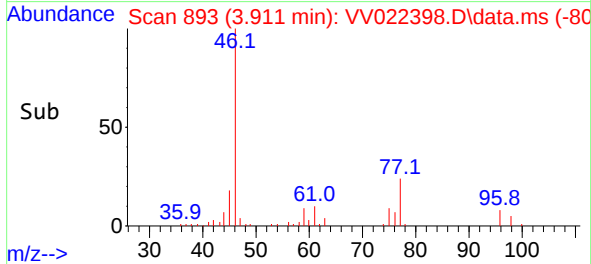




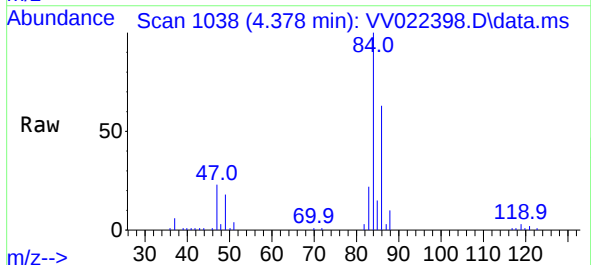
#20
cis-1,2-Dichloroethene
Concen: 1.358 ug/L m
RT: 3.911 min Scan# 893
Delta R.T. -0.000 min
Lab File: VV022398.D
Acq: 29 Sep 2021 23:44



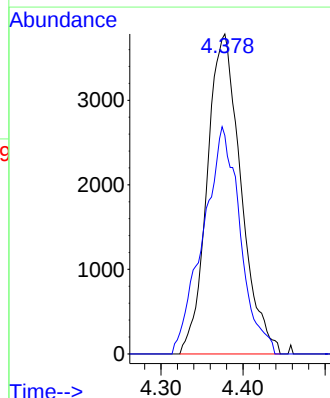
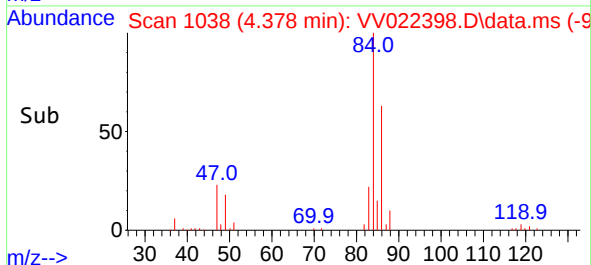
Tgt Ion: 96 Resp: 2665
Ion Ratio Lower Upper
96 100
61 119.7 84.6 157.0
68 0.0 0.0 0.0



#25
Chloroform
Concen: 3.160 ug/L
RT: 4.378 min Scan# 1038
Delta R.T. 0.003 min
Lab File: VV022398.D
Acq: 29 Sep 2021 23:44



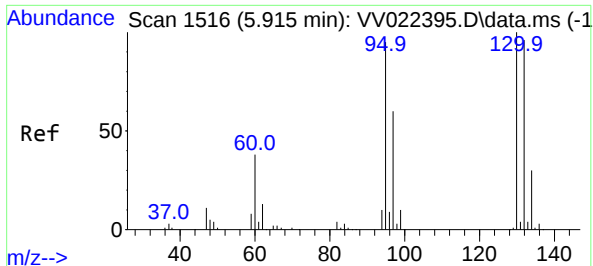
Tgt Ion: 83 Resp: 10828
Ion Ratio Lower Upper
83 100
85 68.3 46.5 86.3



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#34

Trichloroethene

Concen: 5.613 ug/L

RT: 5.921 min Scan# 1518

Delta R.T. 0.006 min

Lab File: VV022398.D

Acq: 29 Sep 2021 23:44

Tgt Ion: 95 Resp: 10418

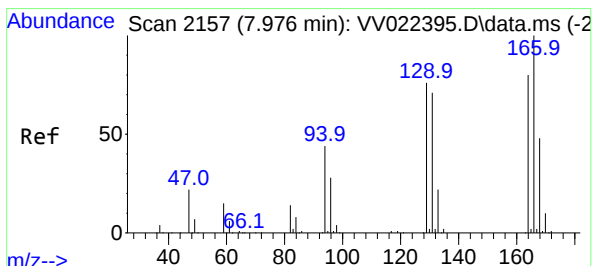
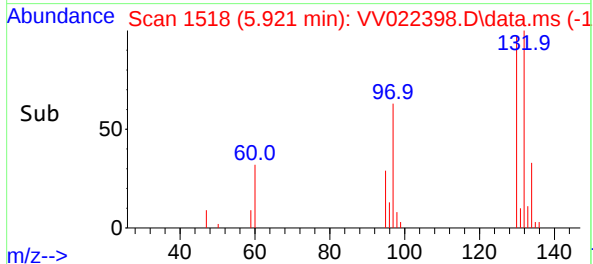
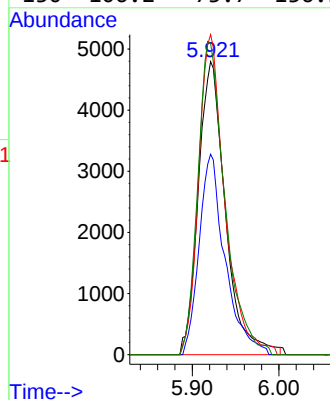
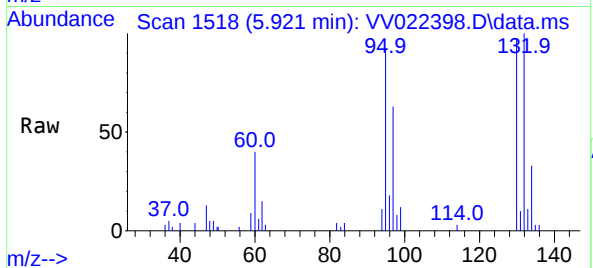
Ion Ratio Lower Upper

95 100

97 68.4 45.2 84.0

132 109.2 71.0 131.8

130 106.2 73.7 136.9



#46

Tetrachloroethene

Concen: 221.336 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.000 min

Lab File: VV022398.D

Acq: 29 Sep 2021 23:44

Tgt Ion: 164 Resp: 338283

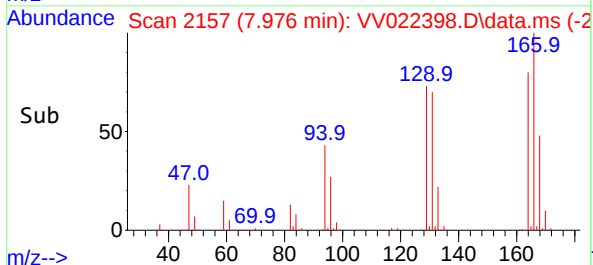
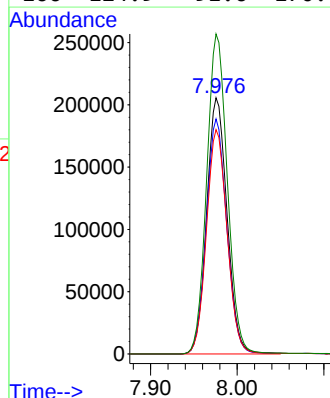
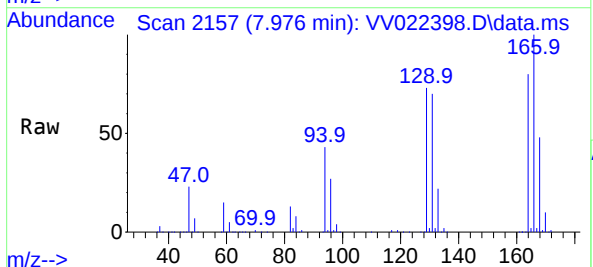
Ion Ratio Lower Upper

164 100

129 91.8 66.4 123.4

131 87.5 63.6 118.0

166 124.9 91.6 170.0



Instrument :

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