

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW040623\
 Data File : VW030426.D
 Acq On : 06 Apr 2023 18:35
 Operator : SY/MD
 Sample : 02225-08
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AD5

Quant Time: Apr 07 04:52:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 31 05:37:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	127960	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	123440	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	60874	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	37675	4.445	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.000%
7) Chloroethane-d5	1.536	69	38374	4.666	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.400%
11) 1,1-Dichloroethene-d2	2.072	63	765636	38.072	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	761.400%#
20) 2-Butanone-d5	3.831	46	106721	48.720	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.440%
24) Chloroform-d	4.262	84	96198	4.690	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.800%
26) 1,2-Dichloroethane-d4	4.953	65	49056	5.069	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.400%
32) Benzene-d6	4.969	84	176264	5.067	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.400%
36) 1,2-Dichloropropane-d6	5.998	67	54877	5.039	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.800%
41) Toluene-d8	7.252	98	149069	4.667	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.400%
43) trans-1,3-Dichloroprop...	7.564	79	18854	4.598	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.000%
46) 2-Hexanone-d5	8.037	63	76953	46.706	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.420%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	40472	4.715	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.400%
66) 1,2-Dichlorobenzene-d4	11.570	152	57044	5.243	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.217	50	2988	0.146	ug/L	95
5) Vinyl chloride	1.285	62	2588	0.173	ug/L #	72
6) Bromomethane	1.494	94	697	0.163	ug/L	76
9) Trichlorofluoromethane	1.719	101	3524	0.162	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	3672	0.305	ug/L #	31
12) 1,1-Dichloroethene	2.072	96	1183240	110.669	ug/L #	72
13) Acetone	2.156	43	3222	1.538	ug/L	80
19) 1,1-Dichloroethane	3.121	63	162246	7.430	ug/L	99
27) 1,2-Dichloroethane	5.066	62	2406	0.180	ug/L #	81
29) 1,1,1-Trichloroethane	4.523	97	3781098	190.576	ug/L	99
31) Carbon tetrachloride	4.523	117	465769	25.873	ug/L	98
34) Trichloroethene	5.844	95	13782	1.166	ug/L	88
35) Methylcyclohexane	5.998	83	13946	0.751	ug/L #	17
42) Toluene	7.330	91	10550	0.226	ug/L	97
47) Tetrachloroethene	7.911	164	1618	0.155	ug/L	88
49) Dibromochloromethane	7.921	129	1491	0.158	ug/L #	12
61) 1,2,3-Trichloropropane	11.194	75	6627	1.218	ug/L #	58

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Mar 31 05:37:21 2023
Response via : Initial Calibration

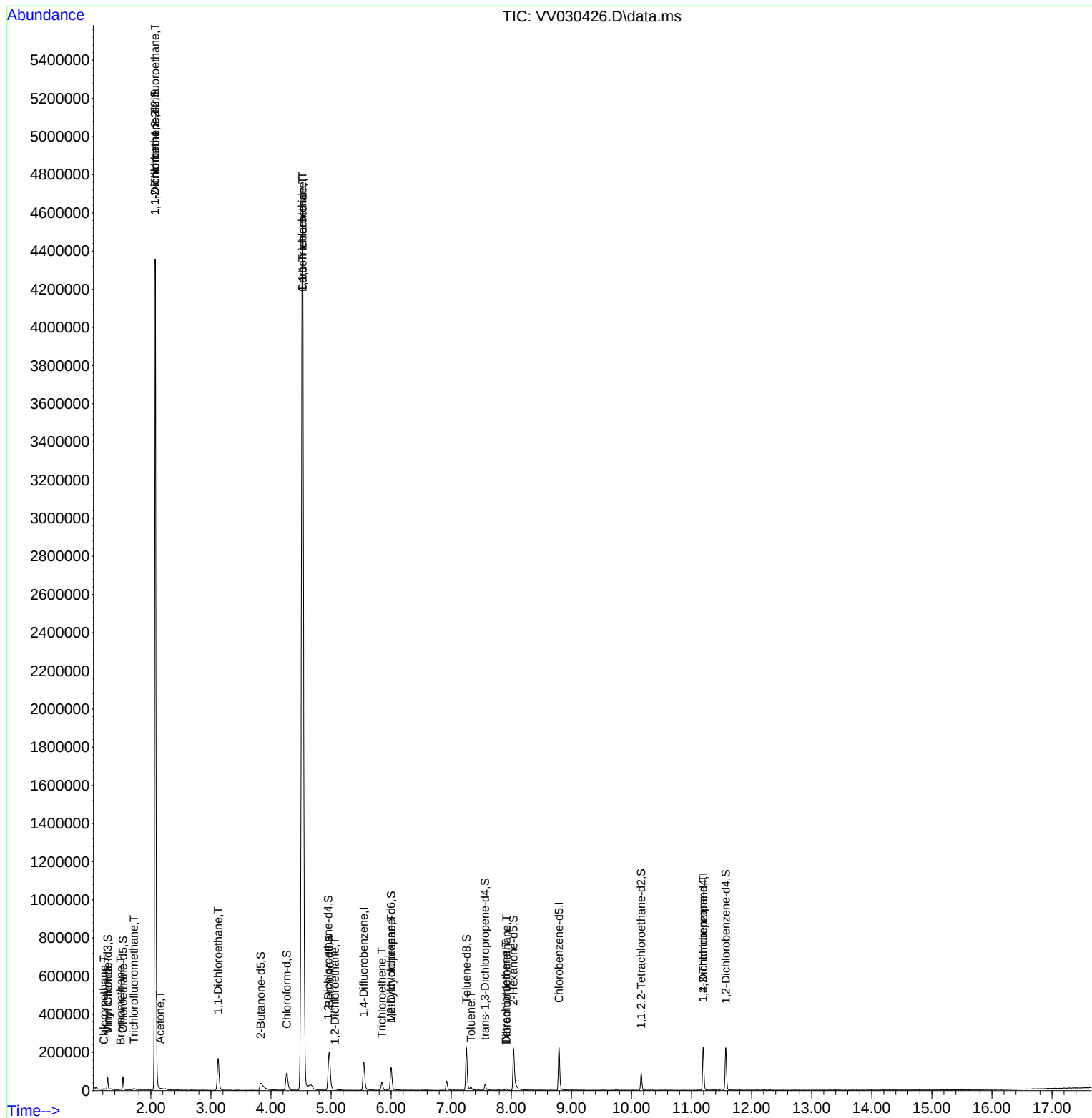
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

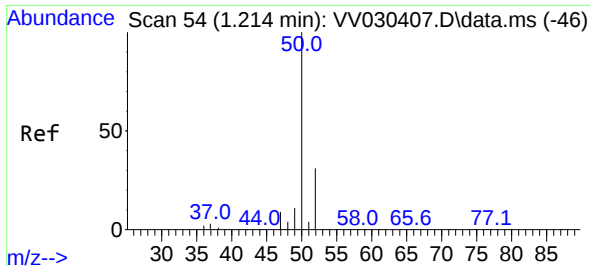
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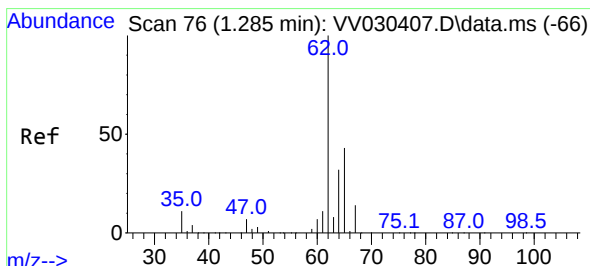
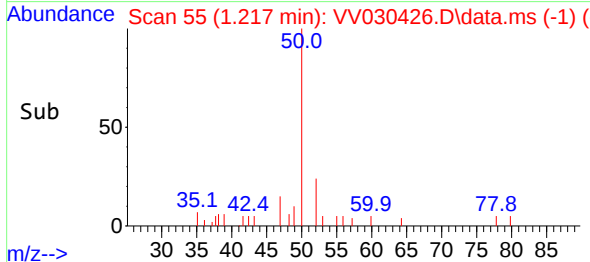
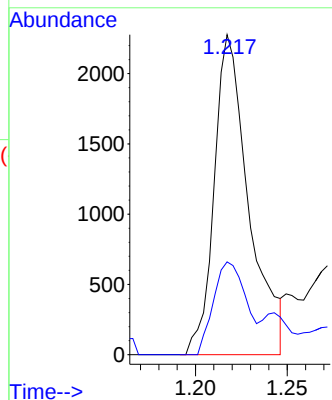
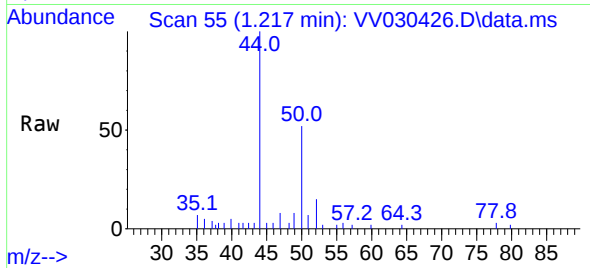




#3
Chloromethane
Concen: 0.146 ug/L
RT: 1.217 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV030426.D
Acq: 06 Apr 2023 18:35

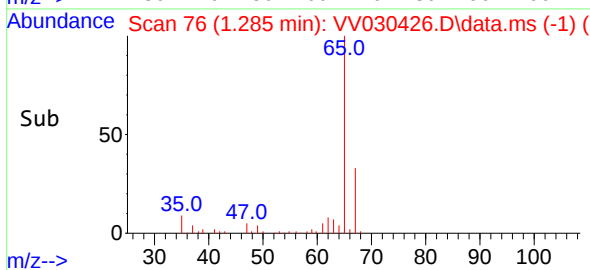
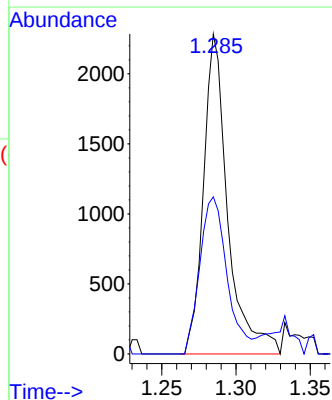
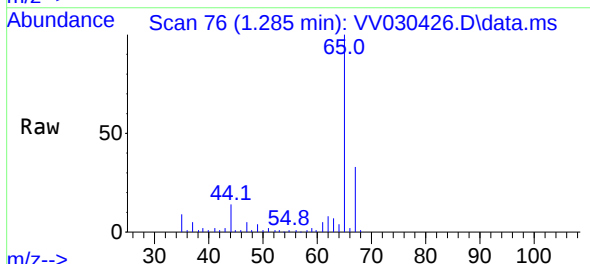
Instrument :
MSVOA_V
ClientSampleId :
C0AD5

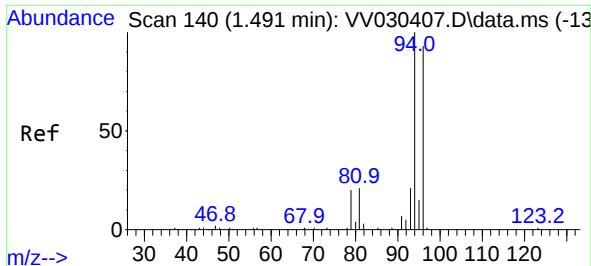
Tgt Ion: 50 Resp: 2988
Ion Ratio Lower Upper
50 100
52 29.0 22.3 41.5



#5
Vinyl chloride
Concen: 0.173 ug/L
RT: 1.285 min Scan# 76
Delta R.T. -0.000 min
Lab File: VV030426.D
Acq: 06 Apr 2023 18:35

Tgt Ion: 62 Resp: 2588
Ion Ratio Lower Upper
62 100
64 49.1 23.2 43.2#

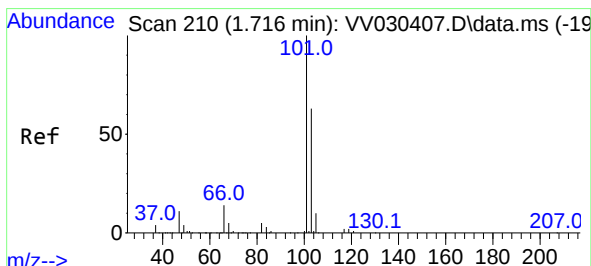
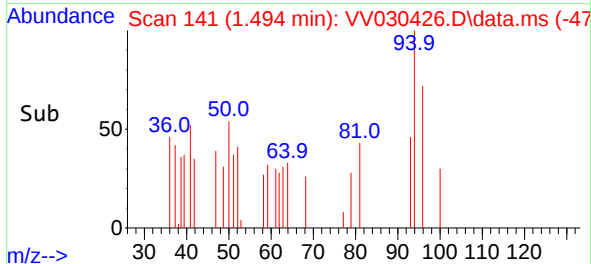
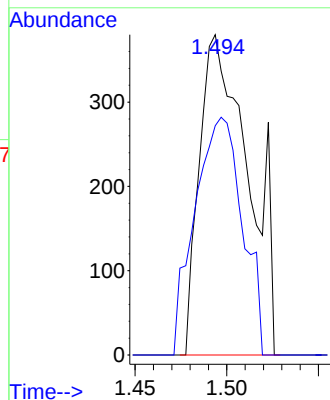
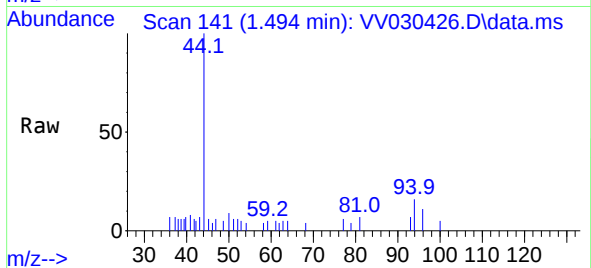




#6
Bromomethane
Concen: 0.163 ug/L
RT: 1.494 min Scan# 140
Delta R.T. 0.003 min
Lab File: VV030426.D
Acq: 06 Apr 2023 18:35

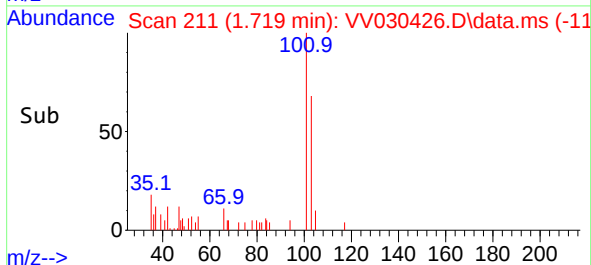
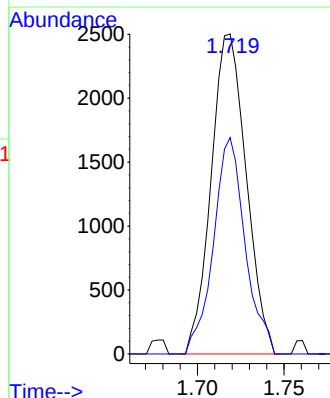
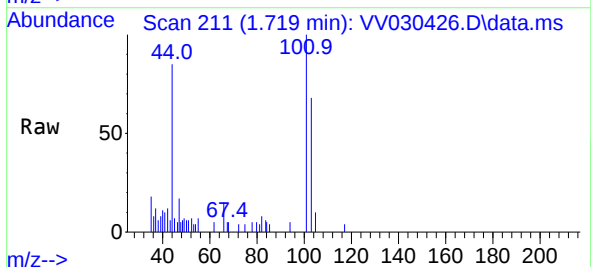
Instrument :
MSVOA_V
ClientSampleId :
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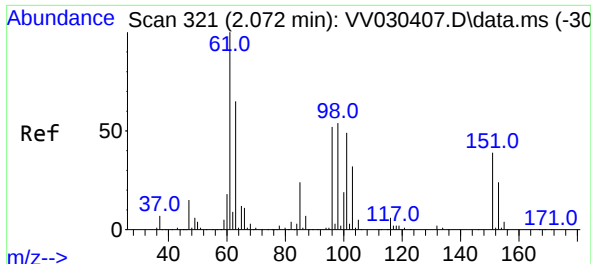
Tgt Ion: 94 Resp: 697
Ion Ratio Lower Upper
94 100
96 71.6 66.1 122.7



#9
Trichlorofluoromethane
Concen: 0.162 ug/L
RT: 1.719 min Scan# 211
Delta R.T. -0.000 min
Lab File: VV030426.D
Acq: 06 Apr 2023 18:35

Tgt Ion:101 Resp: 3524
Ion Ratio Lower Upper
101 100
103 61.1 51.0 76.6

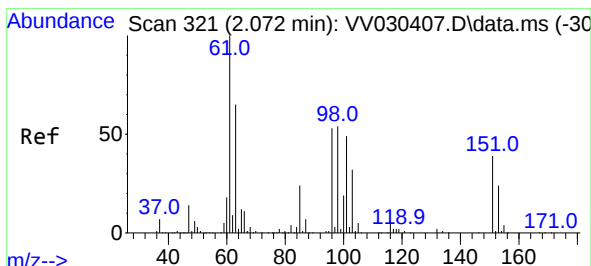
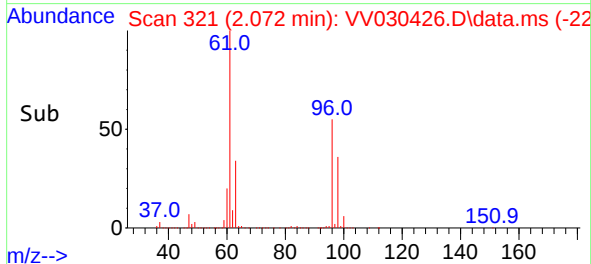
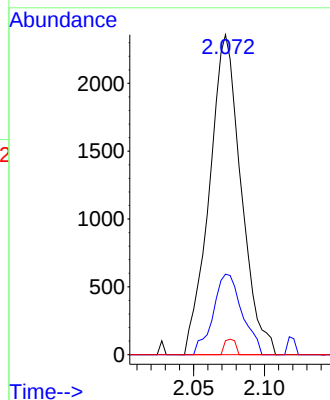
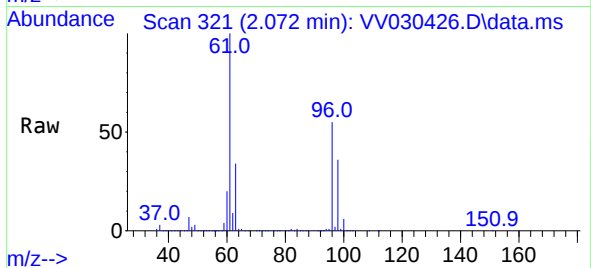




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.305 ug/L
RT: 2.072 min Scan# 321
Delta R.T. -0.000 min
Lab File: VV030426.D
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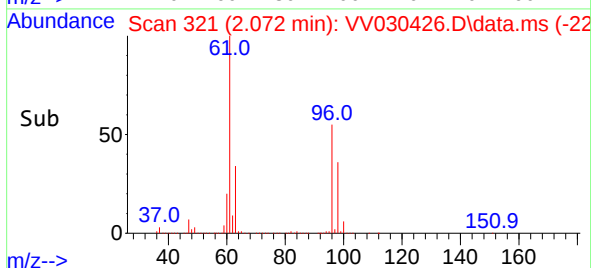
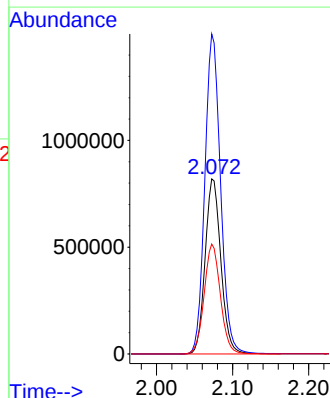
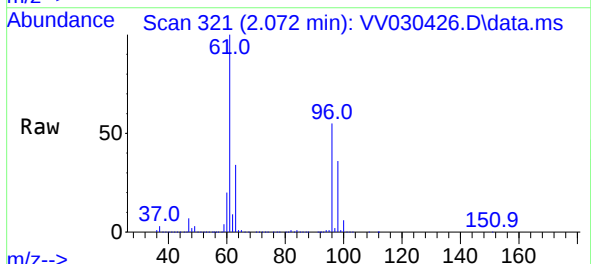
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ClientSampleId :
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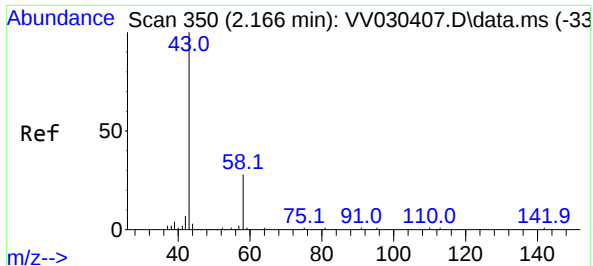
Tgt Ion:101 Resp: 3672
Ion Ratio Lower Upper
101 100
85 23.0 38.1 57.1#
151 1.7 62.7 94.1#



#12
1,1-Dichloroethene
Concen: 110.669 ug/L
RT: 2.072 min Scan# 321
Delta R.T. -0.003 min
Lab File: VV030426.D
Acq: 06 Apr 2023 18:35

Tgt Ion: 96 Resp: 1183240
Ion Ratio Lower Upper
96 100
61 182.8 136.3 253.1
63 62.8 92.1 171.1#

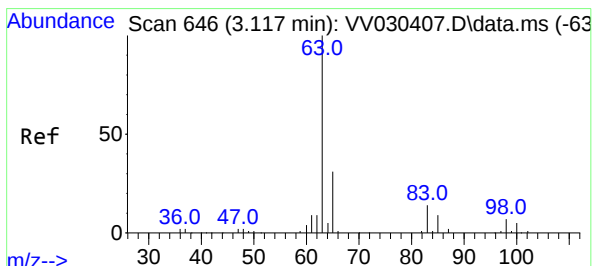
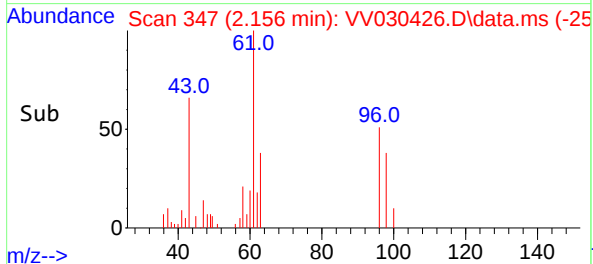
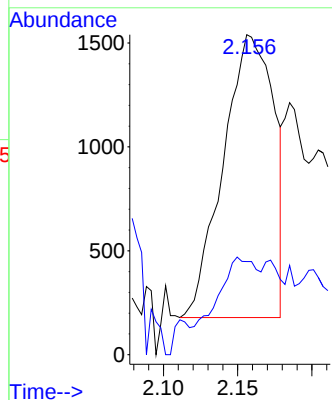
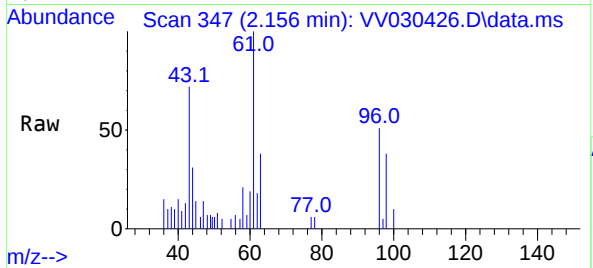




#13
Acetone
Concen: 1.538 ug/L
RT: 2.156 min Scan# 34
Delta R.T. 0.010 min
Lab File: VV030426.D
Acq: 06 Apr 2023 18:35

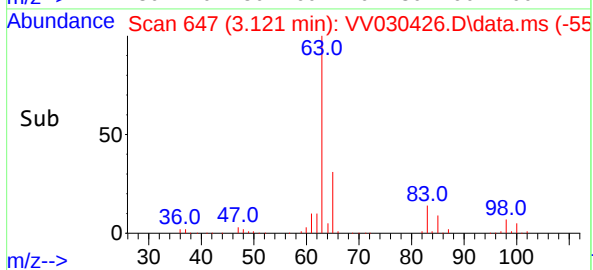
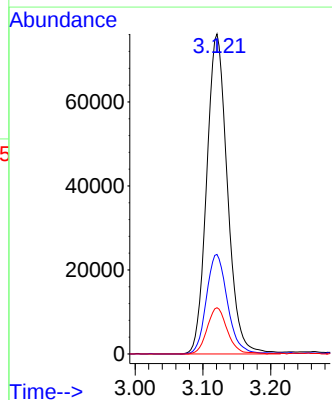
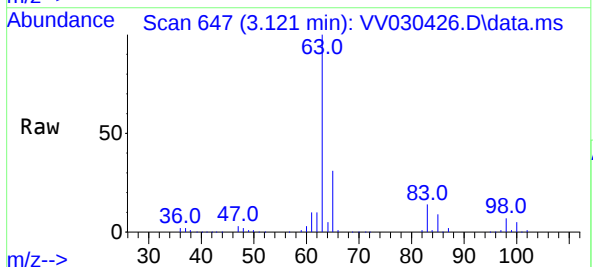
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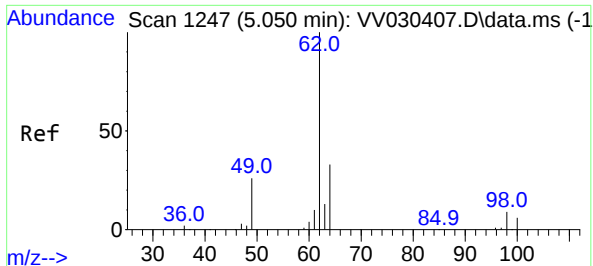
Tgt Ion: 43 Resp: 3222
Ion Ratio Lower Upper
43 100
58 29.6 0.0 40.8



#19
1,1-Dichloroethane
Concen: 7.430 ug/L
RT: 3.121 min Scan# 647
Delta R.T. 0.003 min
Lab File: VV030426.D
Acq: 06 Apr 2023 18:35

Tgt Ion: 63 Resp: 162246
Ion Ratio Lower Upper
63 100
65 31.1 21.7 40.3
83 14.4 9.1 16.9

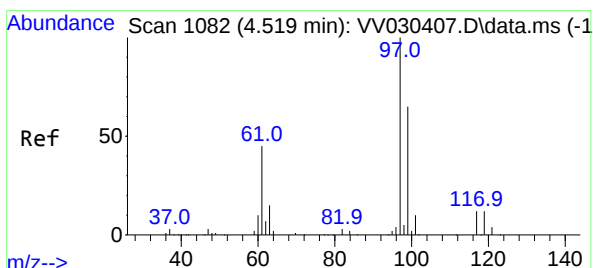
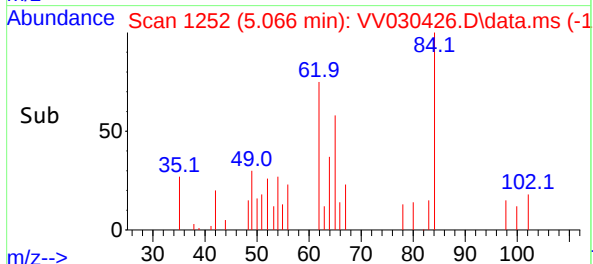
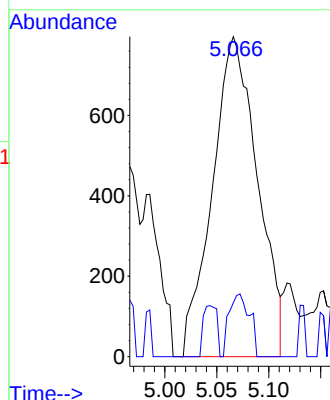
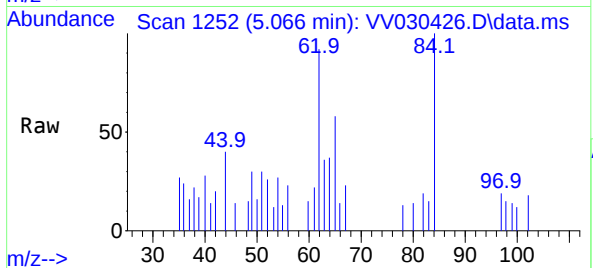




#27
1,2-Dichloroethane
Concen: 0.180 ug/L
RT: 5.066 min Scan# 11
Delta R.T. 0.016 min
Lab File: VV030426.D
Acq: 06 Apr 2023 18:35

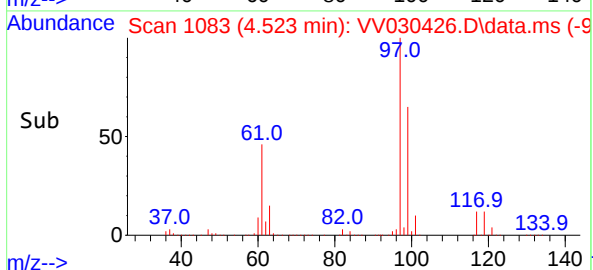
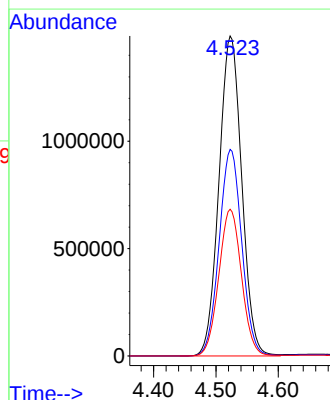
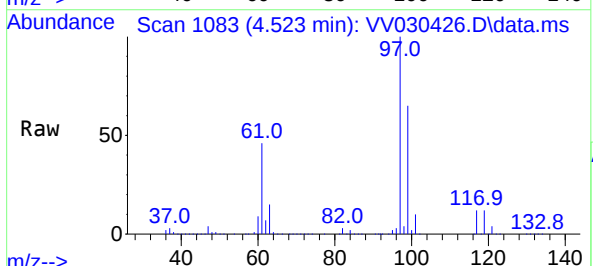
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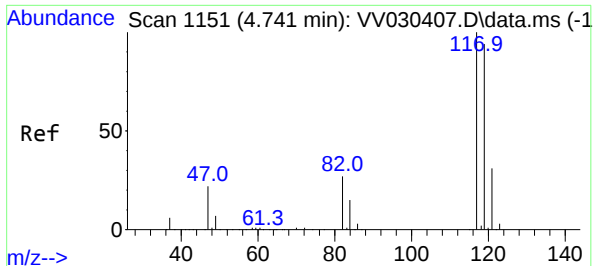
Tgt Ion: 62 Resp: 2406
Ion Ratio Lower Upper
62 100
98 16.8 7.8 11.8#



#29
1,1,1-Trichloroethane
Concen: 190.576 ug/L
RT: 4.523 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VV030426.D
Acq: 06 Apr 2023 18:35

Tgt Ion: 97 Resp: 3781098
Ion Ratio Lower Upper
97 100
99 64.3 50.9 76.3
61 45.8 35.9 53.9

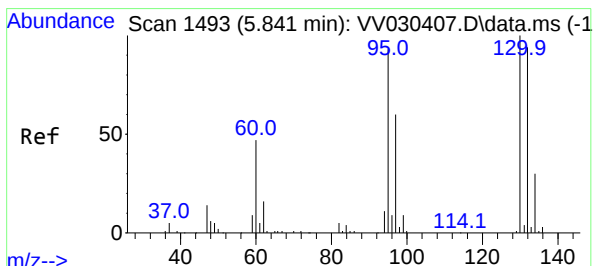
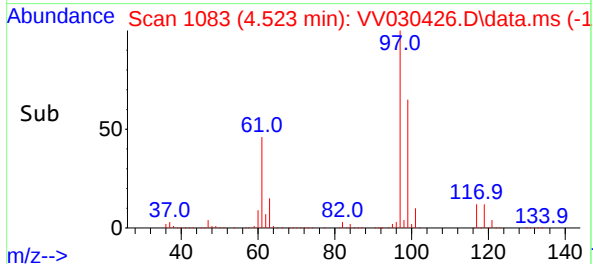
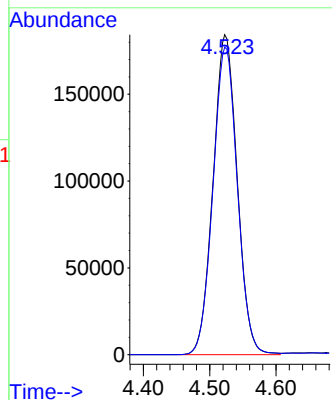
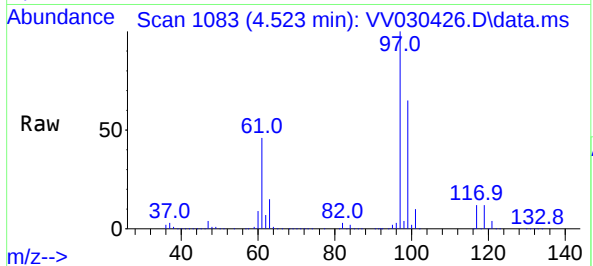




#31
Carbon tetrachloride
Concen: 25.873 ug/L
RT: 4.523 min Scan# 1083
Delta R.T. -0.222 min
Lab File: VV030426.D
Acq: 06 Apr 2023 18:35

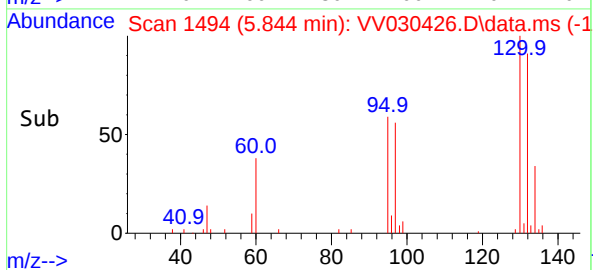
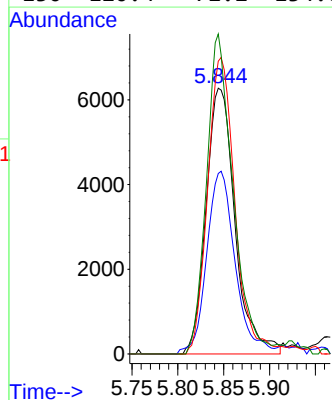
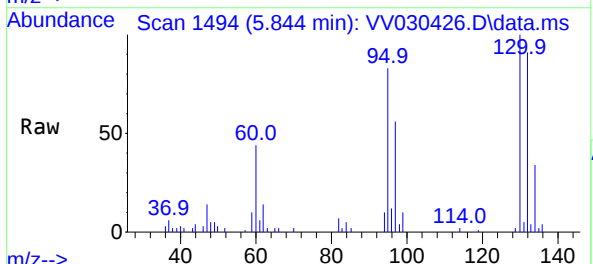
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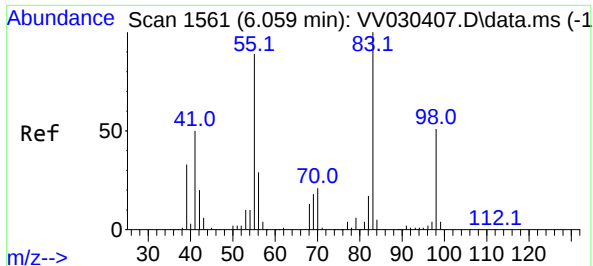
Tgt Ion: 117 Resp: 465769
Ion Ratio Lower Upper
117 100
119 97.1 76.2 114.4



#34
Trichloroethene
Concen: 1.166 ug/L
RT: 5.844 min Scan# 1494
Delta R.T. 0.003 min
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Tgt Ion: 95 Resp: 13782
Ion Ratio Lower Upper
95 100
97 67.9 44.2 82.2
132 110.1 69.5 129.1
130 120.4 72.2 134.0

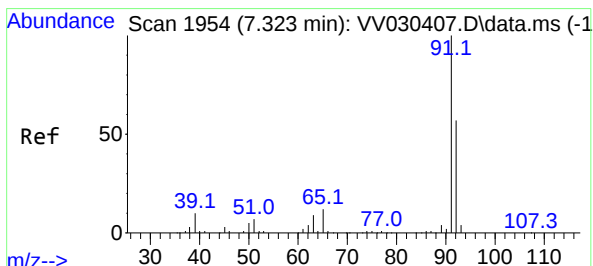
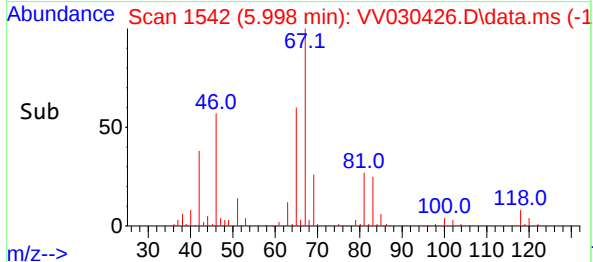
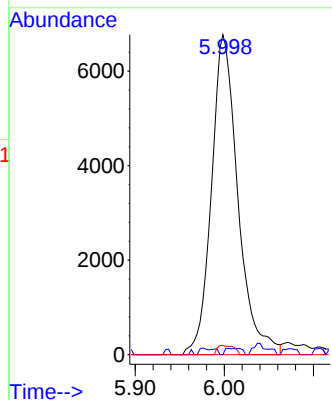
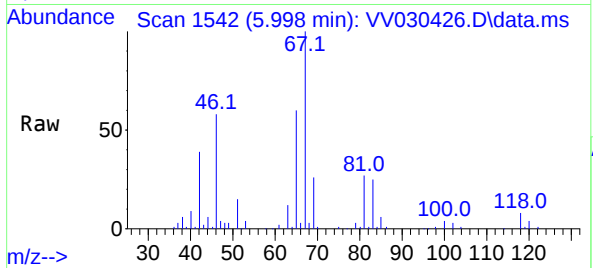




#35
Methylcyclohexane
Concen: 0.751 ug/L
RT: 5.998 min Scan# 11
Delta R.T. -0.061 min
Lab File: VV030426.D
Acq: 06 Apr 2023 18:35

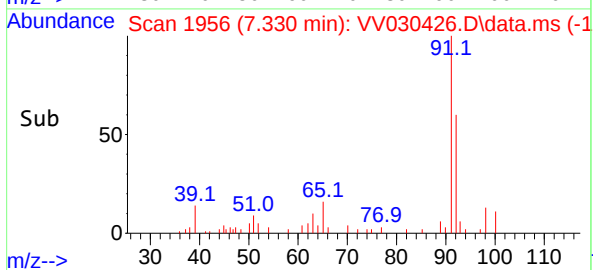
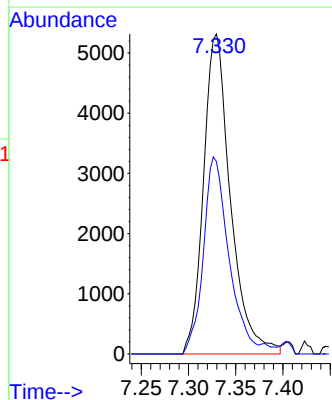
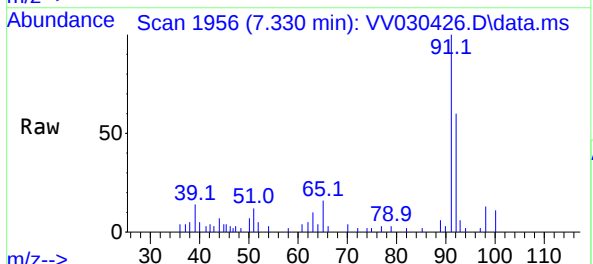
Instrument :
MSVOA_V
ClientSampleId :
C0AD5

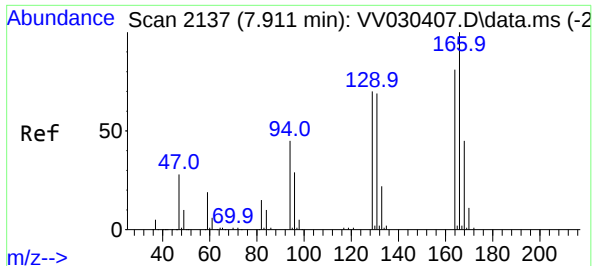
Tgt Ion: 83 Resp: 13946
Ion Ratio Lower Upper
83 100
55 1.2 66.6 100.0#
98 1.8 38.6 58.0#



#42
Toluene
Concen: 0.226 ug/L
RT: 7.330 min Scan# 1956
Delta R.T. 0.006 min
Lab File: VV030426.D
Acq: 06 Apr 2023 18:35

Tgt Ion: 91 Resp: 10550
Ion Ratio Lower Upper
91 100
92 60.1 40.4 75.0





#47

Tetrachloroethene

Concen: 0.155 ug/L

RT: 7.911 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV030426.D

Acq: 06 Apr 2023 18:35

Instrument :

MSVOA_V

ClientSampleId :

C0AD5

Tgt Ion:164 Resp: 1618

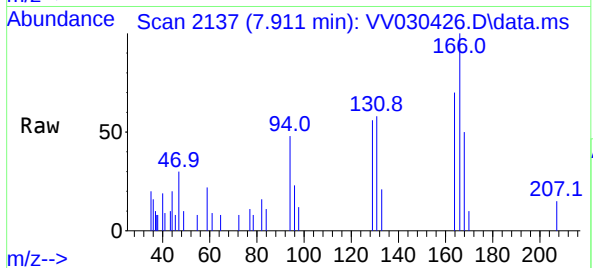
Ion Ratio Lower Upper

164 100

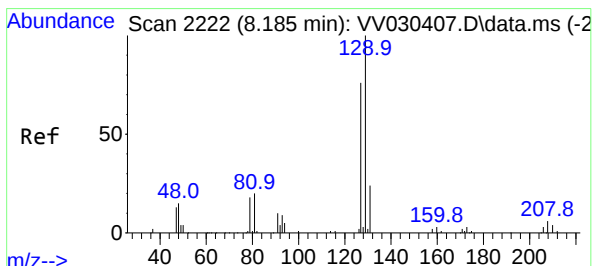
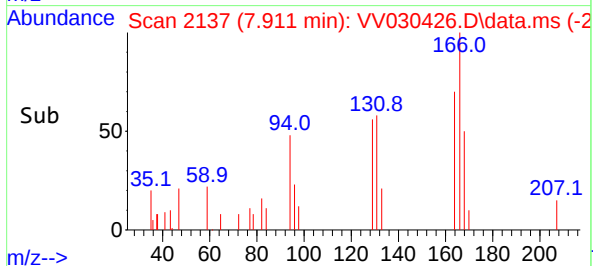
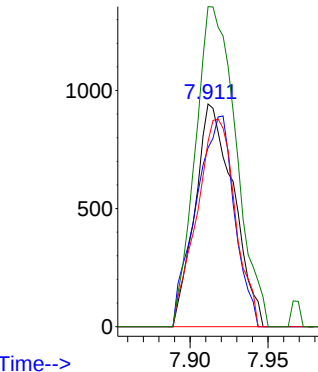
129 80.3 60.8 112.8

131 83.1 61.7 114.7

166 143.7 85.6 159.0



Abundance



#49

Dibromochloromethane

Concen: 0.158 ug/L

RT: 7.921 min Scan# 2140

Delta R.T. -0.264 min

Lab File: VV030426.D

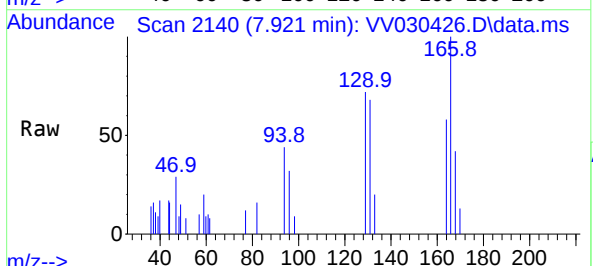
Acq: 06 Apr 2023 18:35

Tgt Ion:129 Resp: 1491

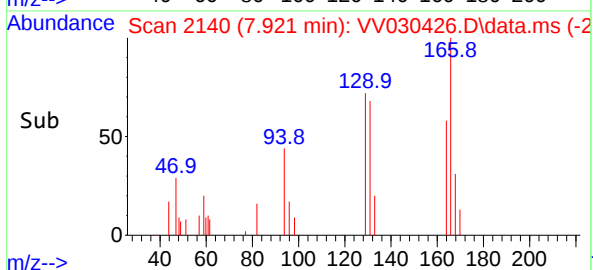
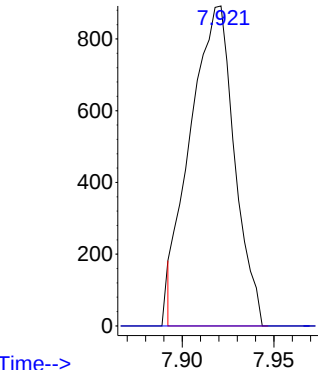
Ion Ratio Lower Upper

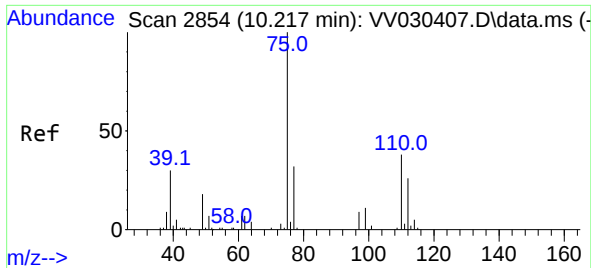
129 100

127 0.0 52.7 97.9#



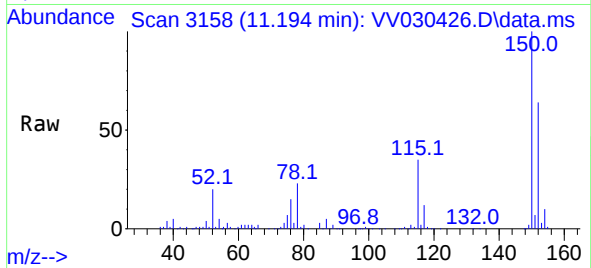
Abundance





#61
 1,2,3-Trichloropropane
 Concen: 1.218 ug/L
 RT: 11.194 min Scan# 31
 Delta R.T. 0.977 min
 Lab File: VV030426.D
 Acq: 06 Apr 2023 18:35

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AD5



Tgt Ion: 75 Resp: 6627
 Ion Ratio Lower Upper
 75 100
 77 44.7 26.0 39.0#
 110 3.3 31.6 47.4#

