

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW040623\
 Data File : VW030410.D
 Acq On : 06 Apr 2023 11:59
 Operator : SY/MD
 Sample : 02194-06
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHDW4

Quant Time: Apr 07 04:50:05 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	102068	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	102021	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	51101	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	29715	4.396	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.000%
7) Chloroethane-d5	1.536	69	31295	4.770	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.400%
11) 1,1-Dichloroethene-d2	2.066	63	60649	3.781	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.600%
20) 2-Butanone-d5	3.799	46	99945	57.201	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.400%
24) Chloroform-d	4.262	84	77570	4.741	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
26) 1,2-Dichloroethane-d4	4.953	65	44329	5.743	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.800%
32) Benzene-d6	4.973	84	135418	4.710	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.200%
36) 1,2-Dichloropropane-d6	5.998	67	44795	4.977	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.600%
41) Toluene-d8	7.252	98	115827	4.387	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.800%
43) trans-1,3-Dichloroprop...	7.564	79	16163	4.770	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.400%
46) 2-Hexanone-d5	8.034	63	75838	55.693	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.380%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	37644	5.307	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.200%
66) 1,2-Dichlorobenzene-d4	11.571	152	48029	5.259	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.220	50	5015	0.306	ug/L	95
5) Vinyl chloride	1.288	62	814	0.068	ug/L #	1
6) Bromomethane	1.494	94	930	0.273	ug/L	85
8) Chloroethane	1.282	64	1412	0.207	ug/L	99
12) 1,1-Dichloroethene	2.076	96	14723	1.726	ug/L #	55
13) Acetone	2.124	43	3404	2.037	ug/L	93
17) Methyl tert-butyl Ether	2.712	73	6771	0.375	ug/L #	87
19) 1,1-Dichloroethane	3.121	63	26872	1.543	ug/L	99
22) cis-1,2-Dichloroethene	3.825	96	15445	1.713	ug/L	97
29) 1,1,1-Trichloroethane	4.529	97	10477	0.639	ug/L	96
31) Carbon tetrachloride	4.519	117	1362	0.092	ug/L	87
34) Trichloroethene	5.844	95	9046	0.926	ug/L	96
37) 1,2-Dichloropropane	6.002	63	5671	0.610	ug/L #	86
44) trans-1,3-Dichloropropene	7.561	75	918	0.082	ug/L #	65
47) Tetrachloroethene	7.915	164	35489	4.115	ug/L	94
49) Dibromochloromethane	7.915	129	31495	4.039	ug/L #	13
71) Naphthalene	13.458	128	1081	0.068	ug/L #	73

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

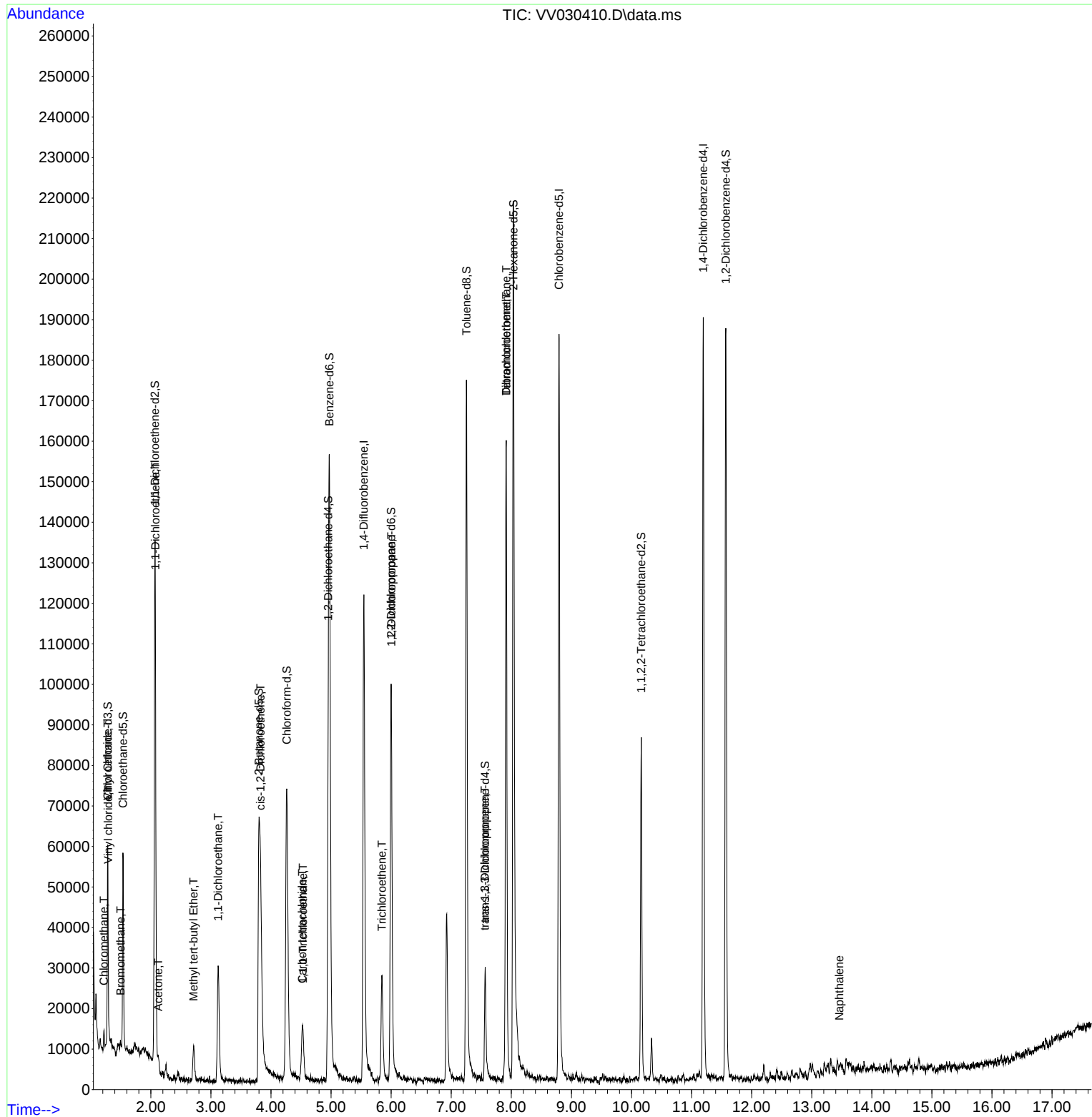
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

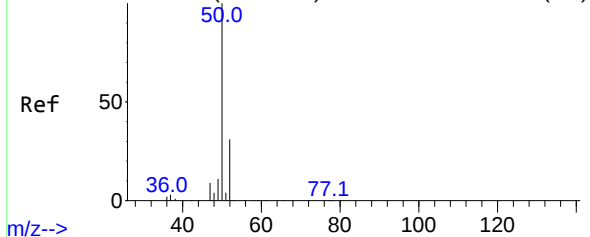
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Abundance Scan 54 (1.214 min): VV030407.D\data.ms (-46)



#3

Chloromethane

Concen: 0.306 ug/L

RT: 1.220 min Scan# 50

Delta R.T. 0.003 min

Lab File: VV030410.D

Acq: 06 Apr 2023 11:59

Instrument :

MSVOA_V

ClientSampleId :

BHDW4

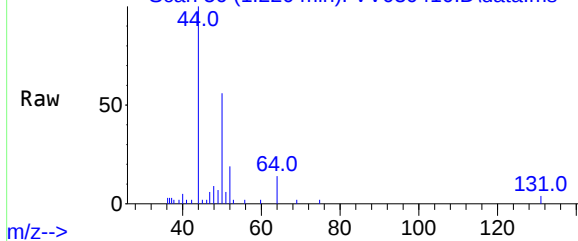
Tgt Ion: 50 Resp: 5015

Ion Ratio Lower Upper

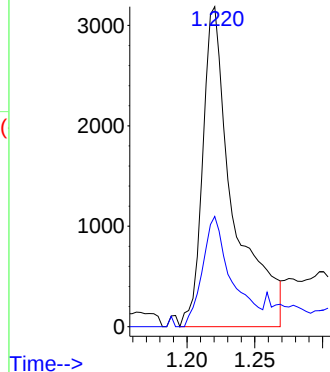
50 100

52 34.4 22.3 41.5

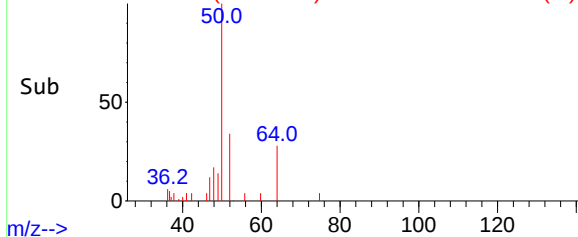
Abundance Scan 56 (1.220 min): VV030410.D\data.ms



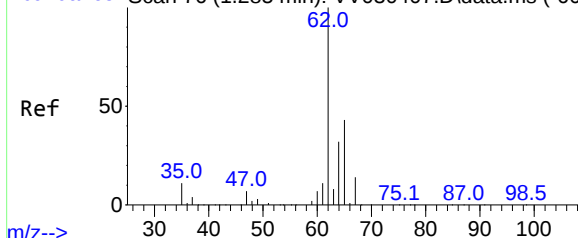
Abundance



Abundance Scan 56 (1.220 min): VV030410.D\data.ms (-1) (



Abundance Scan 76 (1.285 min): VV030407.D\data.ms (-66)



#5

Vinyl chloride

Concen: 0.068 ug/L

RT: 1.288 min Scan# 77

Delta R.T. 0.003 min

Lab File: VV030410.D

Acq: 06 Apr 2023 11:59

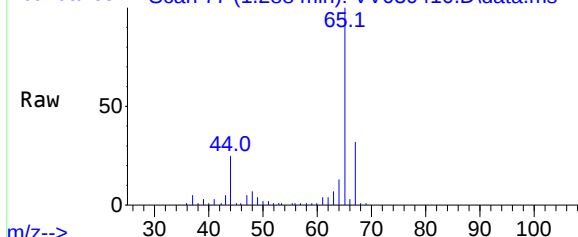
Tgt Ion: 62 Resp: 814

Ion Ratio Lower Upper

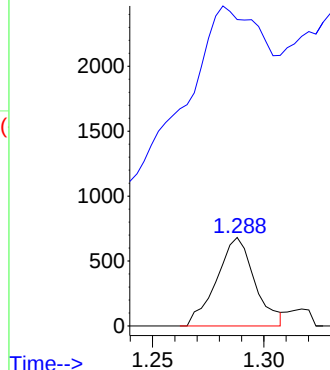
62 100

64 346.0 23.2 43.2#

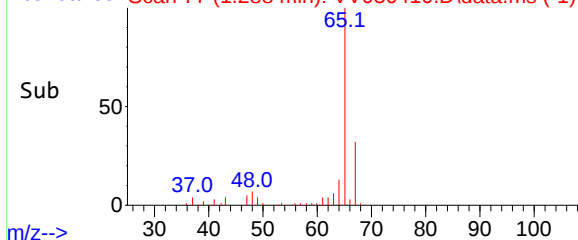
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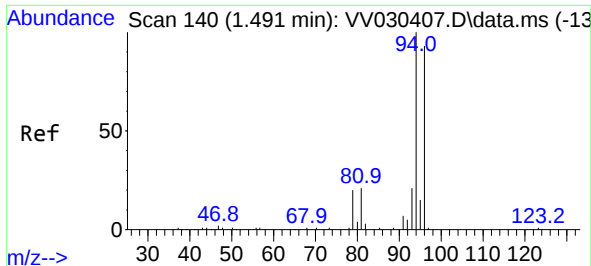


Abundance



Abundance Scan 77 (1.288 min): VV030410.D\data.ms (-1) (

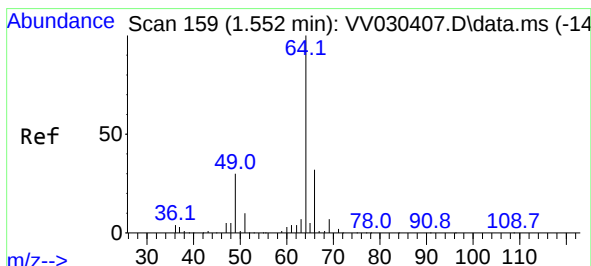
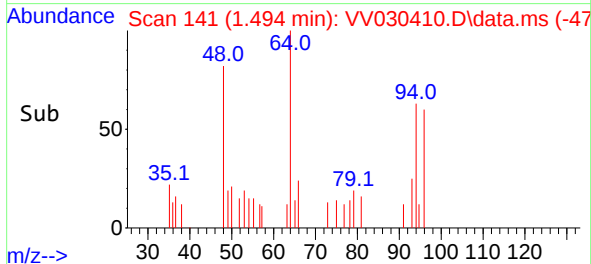
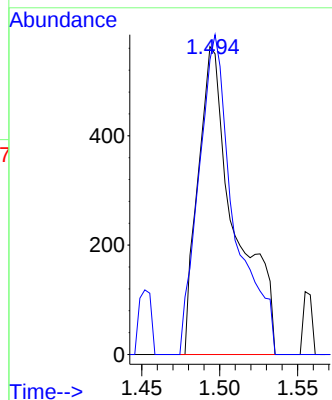
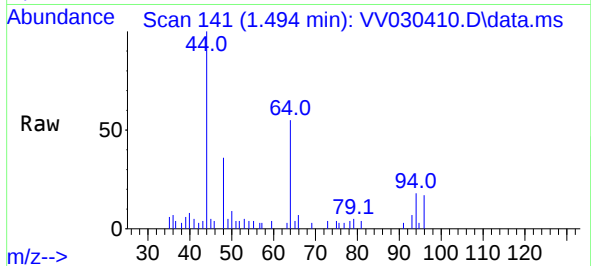




#6
Bromomethane
Concen: 0.273 ug/L
RT: 1.494 min Scan# 14
Delta R.T. 0.003 min
Lab File: VV030410.D
Acq: 06 Apr 2023 11:59

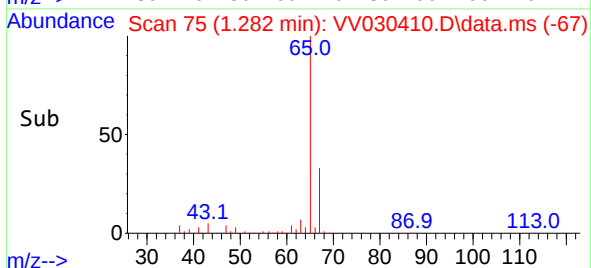
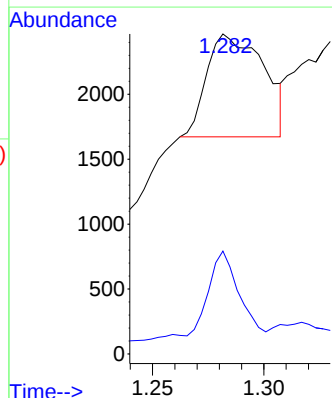
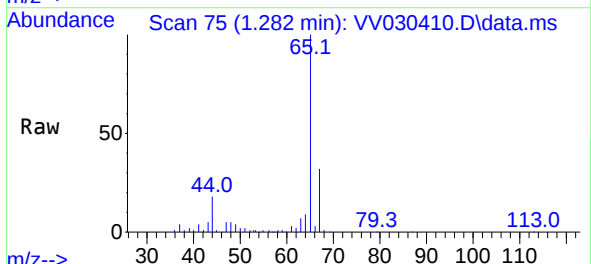
Instrument :
MSVOA_V
ClientSampleId :
BHDW4

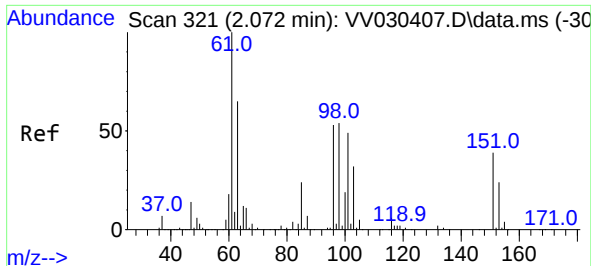
Tgt Ion: 94 Resp: 930
Ion Ratio Lower Upper
94 100
96 80.1 66.1 122.7



#8
Chloroethane
Concen: 0.207 ug/L
RT: 1.282 min Scan# 75
Delta R.T. -0.273 min
Lab File: VV030410.D
Acq: 06 Apr 2023 11:59

Tgt Ion: 64 Resp: 1412
Ion Ratio Lower Upper
64 100
66 32.1 23.0 42.8





#12

1,1-Dichloroethene

Concen: 1.726 ug/L

RT: 2.076 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV030410.D

Acq: 06 Apr 2023 11:59

Instrument :

MSVOA_V

ClientSampleId :

BHDW4

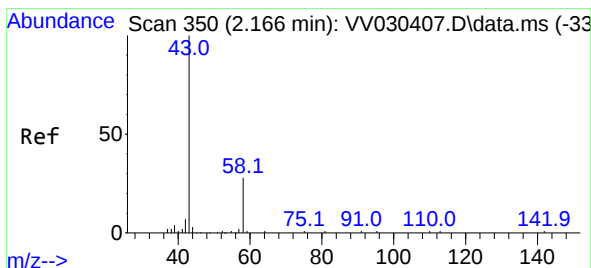
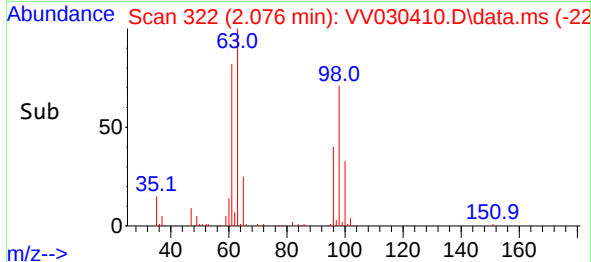
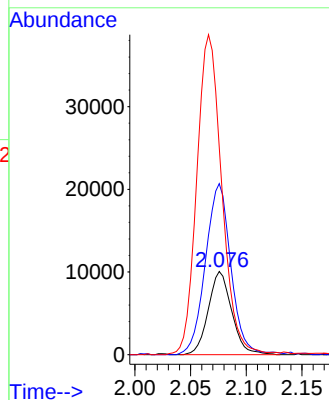
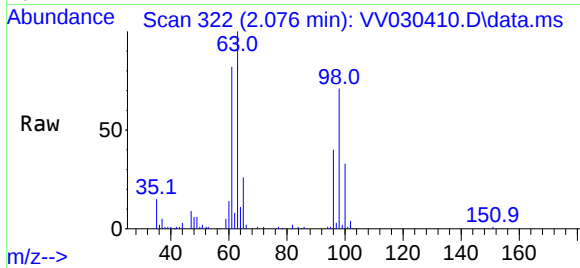
Tgt Ion: 96 Resp: 14723

Ion Ratio Lower Upper

96 100

61 205.6 136.3 253.1

63 249.4 92.1 171.1#



#13

Acetone

Concen: 2.037 ug/L

RT: 2.124 min Scan# 337

Delta R.T. -0.023 min

Lab File: VV030410.D

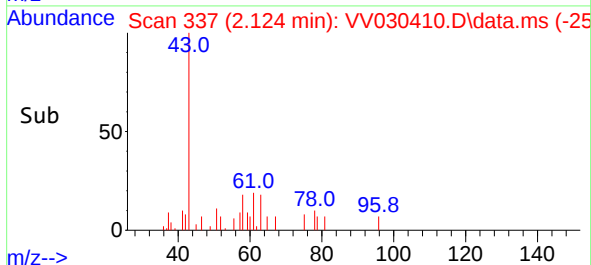
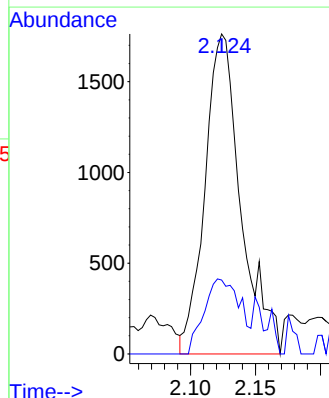
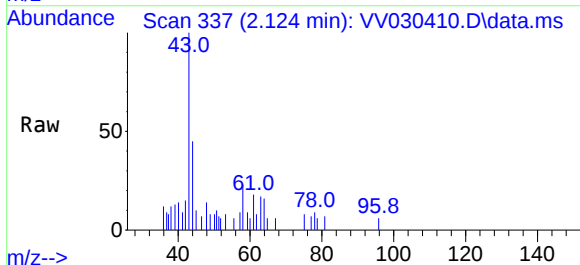
Acq: 06 Apr 2023 11:59

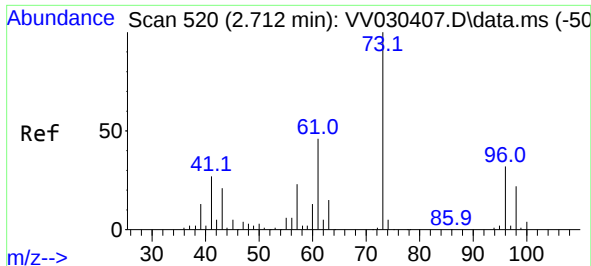
Tgt Ion: 43 Resp: 3404

Ion Ratio Lower Upper

43 100

58 23.5 0.0 40.8

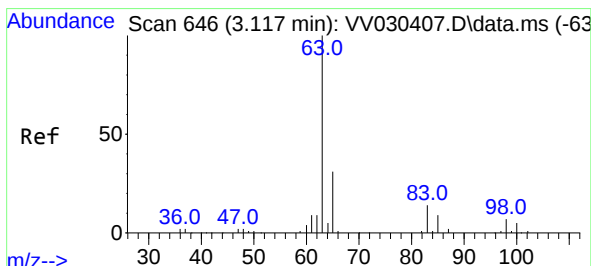
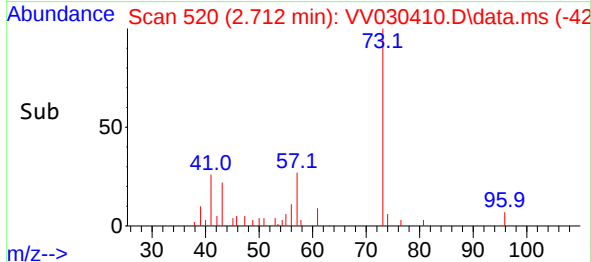
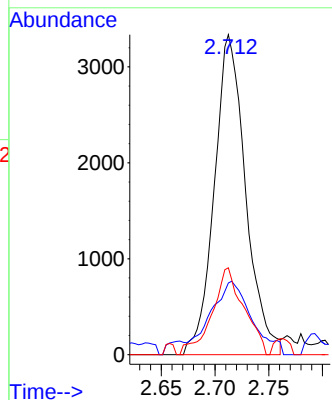
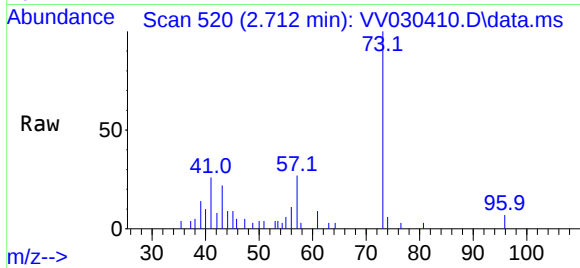




#17
Methyl tert-butyl Ether
Concen: 0.375 ug/L
RT: 2.712 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV030410.D
Acq: 06 Apr 2023 11:59

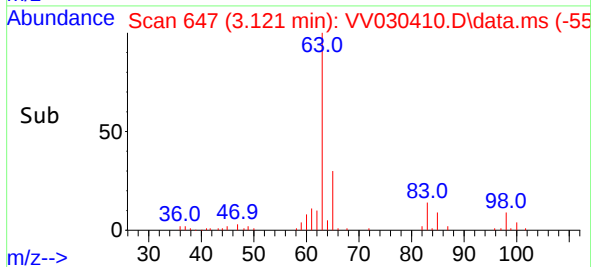
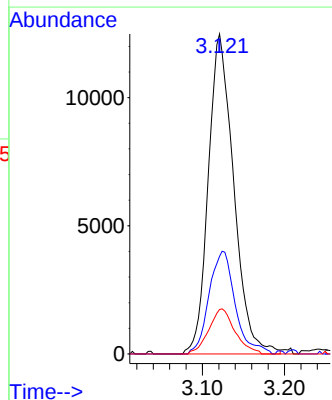
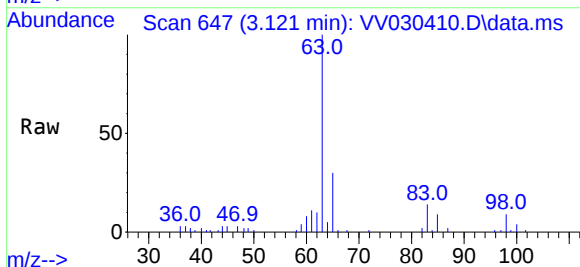
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BHDW4

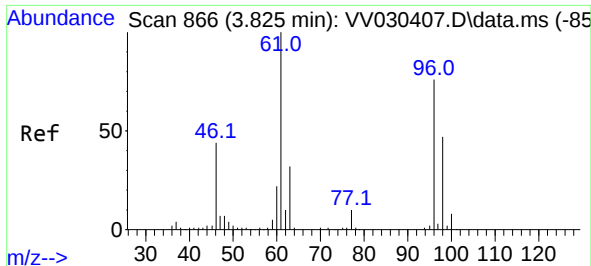
Tgt Ion: 73 Resp: 6771
Ion Ratio Lower Upper
73 100
43 29.8 17.4 26.2#
57 27.6 18.3 27.5#



#19
1,1-Dichloroethane
Concen: 1.543 ug/L
RT: 3.121 min Scan# 647
Delta R.T. 0.003 min
Lab File: VV030410.D
Acq: 06 Apr 2023 11:59

Tgt Ion: 63 Resp: 26872
Ion Ratio Lower Upper
63 100
65 30.5 21.7 40.3
83 13.9 9.1 16.9

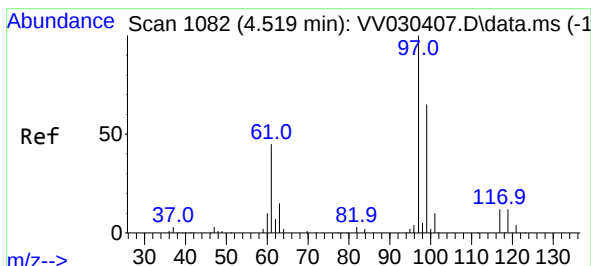
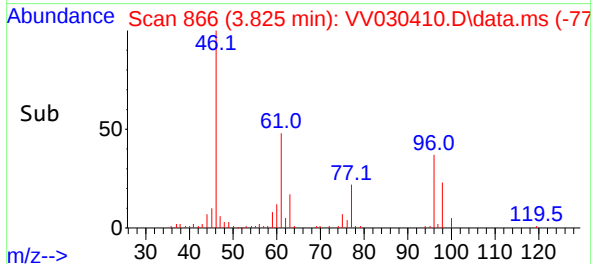
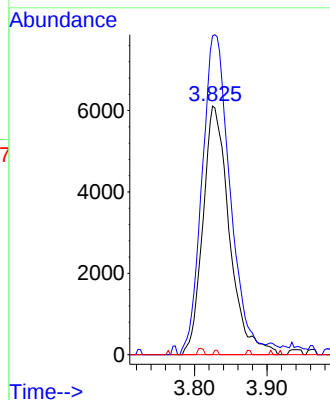
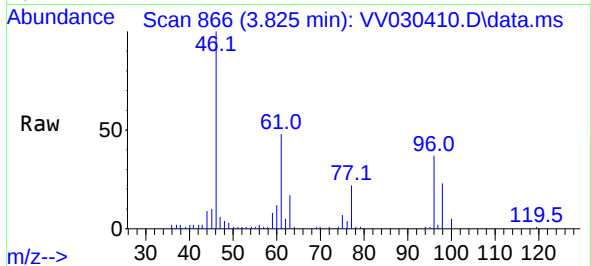




#22
cis-1,2-Dichloroethene
Concen: 1.713 ug/L
RT: 3.825 min Scan# 80
Delta R.T. 0.000 min
Lab File: VV030410.D
Acq: 06 Apr 2023 11:59

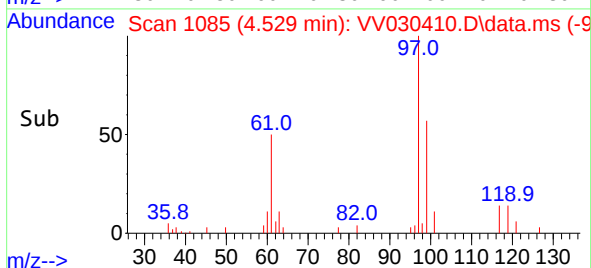
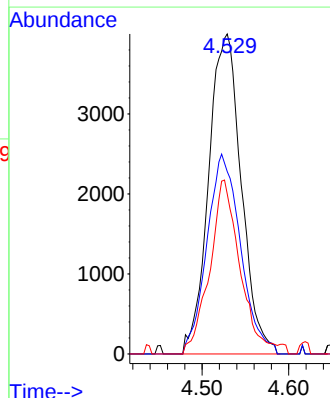
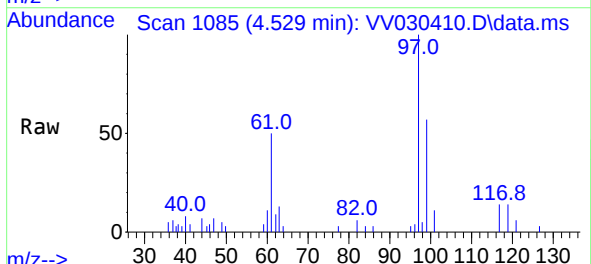
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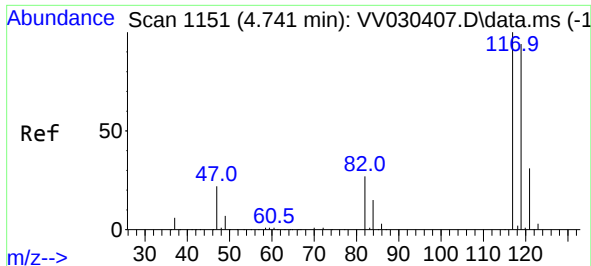
Tgt Ion: 96 Resp: 15445
Ion Ratio Lower Upper
96 100
61 128.2 92.0 170.8
68 0.0 0.0 0.0



#29
1,1,1-Trichloroethane
Concen: 0.639 ug/L
RT: 4.529 min Scan# 1085
Delta R.T. 0.006 min
Lab File: VV030410.D
Acq: 06 Apr 2023 11:59

Tgt Ion: 97 Resp: 10477
Ion Ratio Lower Upper
97 100
99 64.3 50.9 76.3
61 50.3 35.9 53.9

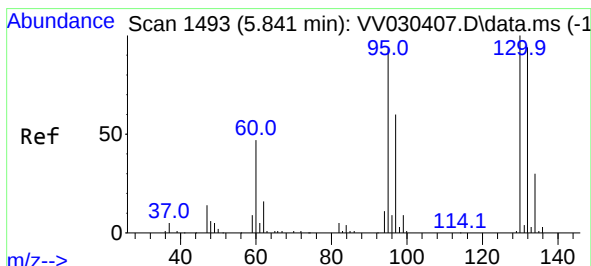
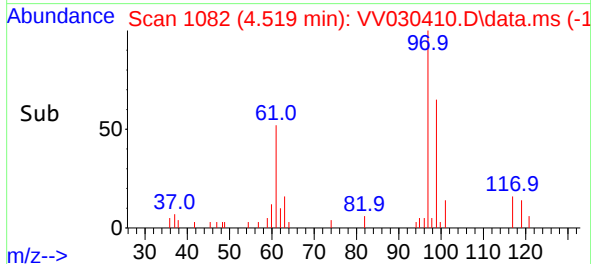
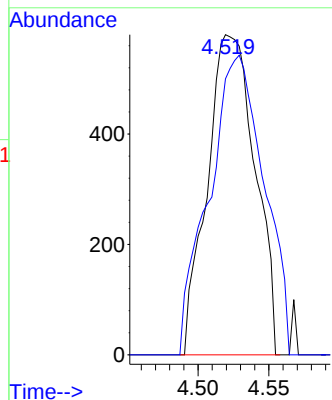
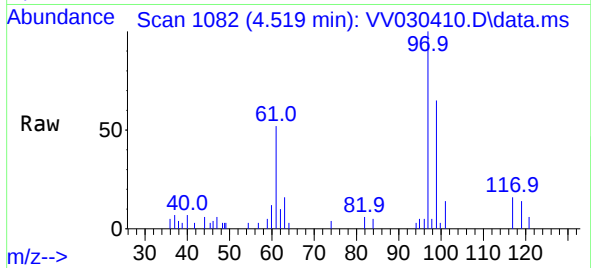




#31
Carbon tetrachloride
Concen: 0.092 ug/L
RT: 4.519 min Scan# 1082
Delta R.T. -0.225 min
Lab File: VV030410.D
Acq: 06 Apr 2023 11:59

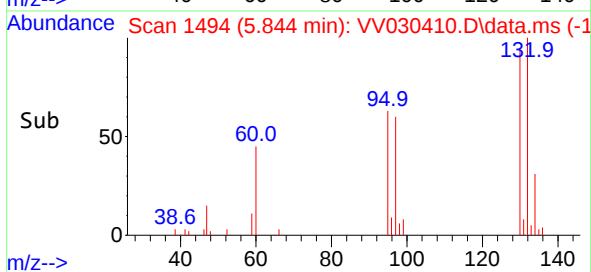
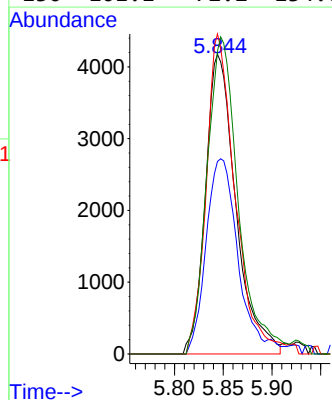
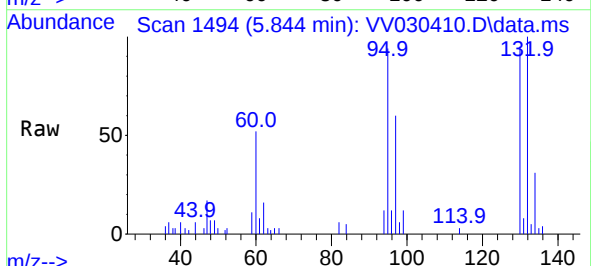
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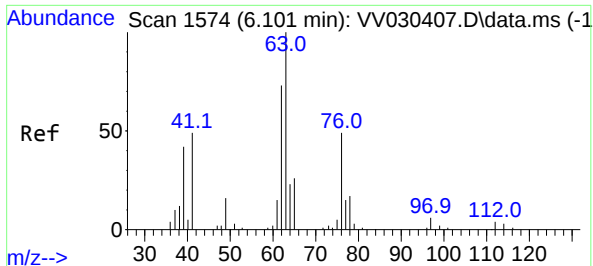
Tgt Ion:117 Resp: 1362
Ion Ratio Lower Upper
117 100
119 107.9 76.2 114.4



#34
Trichloroethene
Concen: 0.926 ug/L
RT: 5.844 min Scan# 1494
Delta R.T. 0.003 min
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Tgt Ion: 95 Resp: 9046
Ion Ratio Lower Upper
95 100
97 64.2 44.2 82.2
132 106.8 69.5 129.1
130 101.1 72.2 134.0

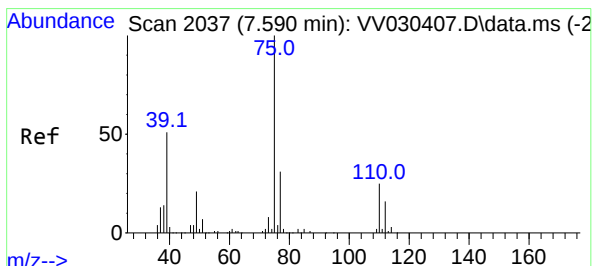
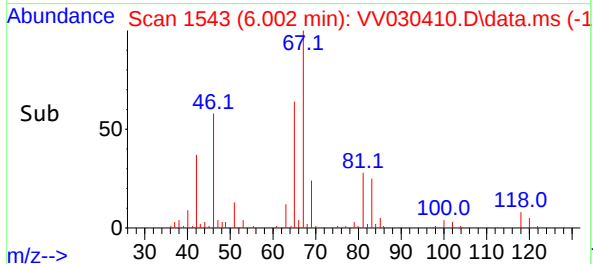
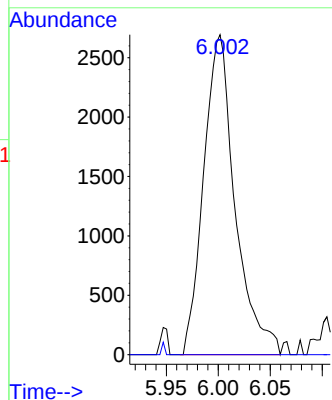
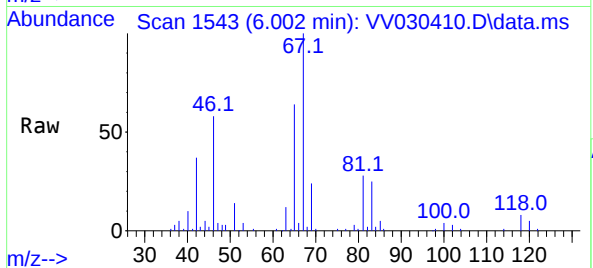




#37
1,2-Dichloropropane
Concen: 0.610 ug/L
RT: 6.002 min Scan# 11
Delta R.T. -0.100 min
Lab File: VV030410.D
Acq: 06 Apr 2023 11:59

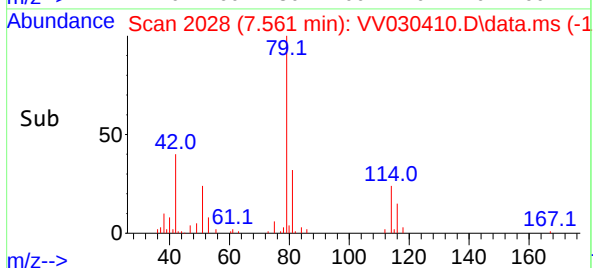
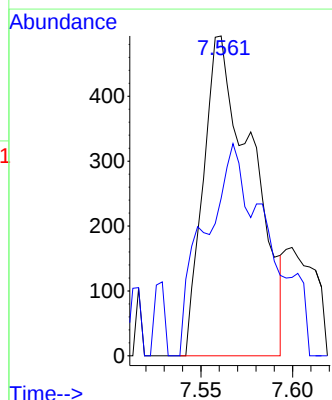
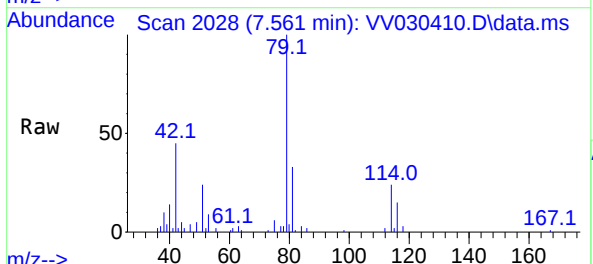
Instrument :
MSVOA_V
ClientSampleId :
BHDW4

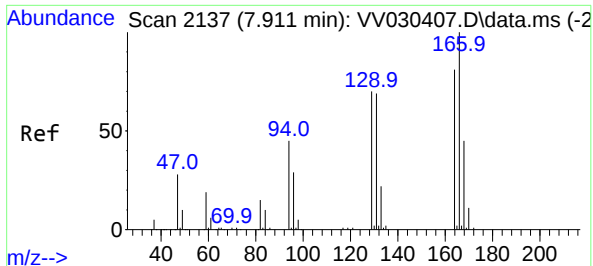
Tgt Ion: 63 Resp: 5671
Ion Ratio Lower Upper
63 100
112 0.4 3.9 5.9#



#44
trans-1,3-Dichloropropene
Concen: 0.082 ug/L
RT: 7.561 min Scan# 2028
Delta R.T. -0.029 min
Lab File: VV030410.D
Acq: 06 Apr 2023 11:59

Tgt Ion: 75 Resp: 918
Ion Ratio Lower Upper
75 100
77 49.3 21.2 39.4#





#47

Tetrachloroethene

Concen: 4.115 ug/L

RT: 7.915 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VV030410.D

Acq: 06 Apr 2023 11:59

Instrument :

MSVOA_V

ClientSampleId :

BHDW4

Tgt Ion:164 Resp: 35489

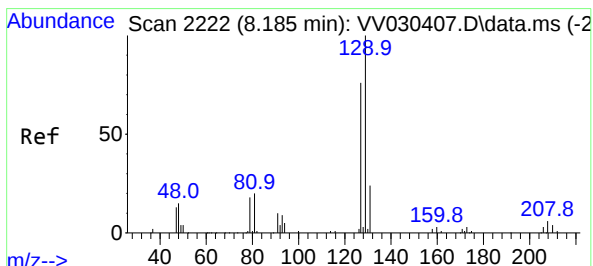
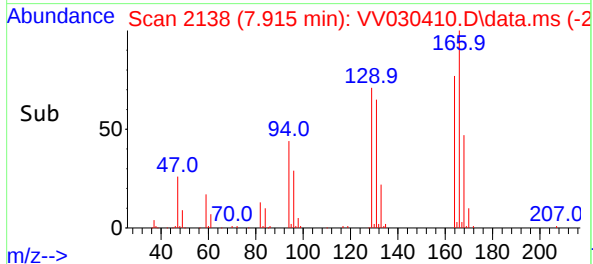
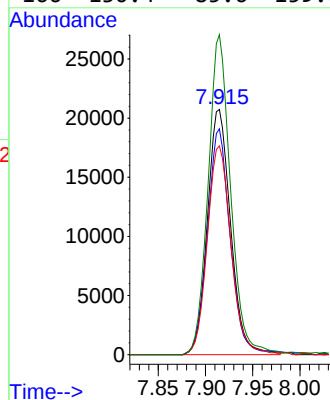
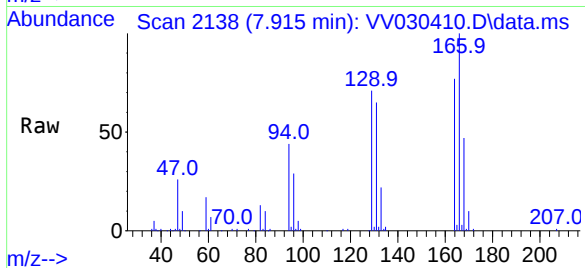
Ion Ratio Lower Upper

164 100

129 92.1 60.8 112.8

131 85.1 61.7 114.7

166 130.4 85.6 159.0



#49

Dibromochloromethane

Concen: 4.039 ug/L

RT: 7.915 min Scan# 2138

Delta R.T. -0.270 min

Lab File: VV030410.D

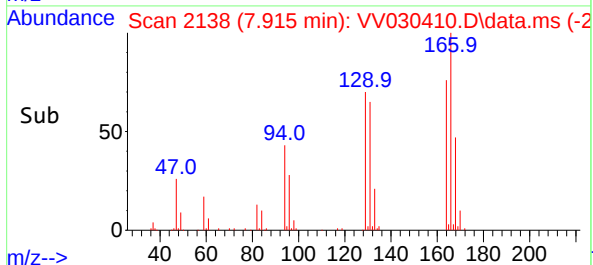
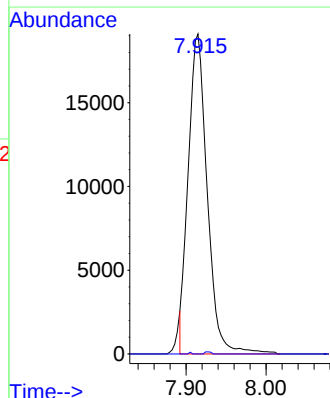
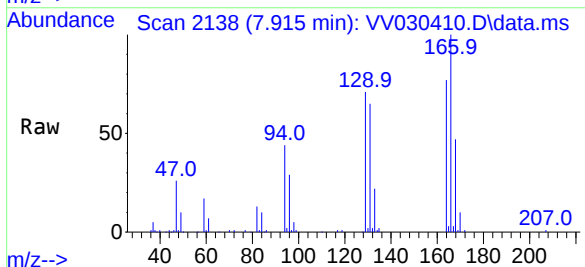
Acq: 06 Apr 2023 11:59

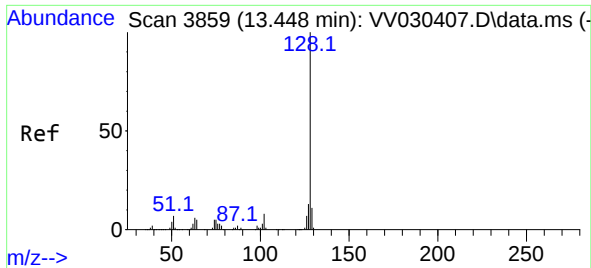
Tgt Ion:129 Resp: 31495

Ion Ratio Lower Upper

129 100

127 0.6 52.7 97.9#





#71
Naphthalene
Concen: 0.068 ug/L
RT: 13.458 min Scan# 3862
Delta R.T. 0.010 min
Lab File: VV030410.D
Acq: 06 Apr 2023 11:59

Instrument :
MSVOA_V
ClientSampleId :
BHDW4

Tgt Ion:	128	Resp:	1081
Ion	Ratio	Lower	Upper
128	100		
129	3.9	8.9	13.3#
127	0.0	10.8	16.2#

