

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW040523\
 Data File : VW030398.D
 Acq On : 05 Apr 2023 14:06
 Operator : SY/MD
 Sample : 02194-03
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHDW0

Quant Time: Apr 06 05:27:05 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	91309	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	90272	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	44911	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	18244	3.017	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	60.400%
7) Chloroethane-d5	1.536	69	22314	3.802	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.000%
11) 1,1-Dichloroethene-d2	2.073	63	143970	10.033	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	200.600%#
20) 2-Butanone-d5	3.796	46	126101	80.675	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	161.340%#
24) Chloroform-d	4.259	84	67341	4.601	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.000%
26) 1,2-Dichloroethane-d4	4.953	65	40596	5.879	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.600%
32) Benzene-d6	4.973	84	108885	4.280	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.600%
36) 1,2-Dichloropropane-d6	5.998	67	39004	4.898	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.000%
41) Toluene-d8	7.252	98	87086	3.728	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.600%
43) trans-1,3-Dichloroprop...	7.564	79	13256	4.421	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.400%
46) 2-Hexanone-d5	8.034	63	94096	78.095	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	156.180%#
56) 1,1,2,2-Tetrachloroeth...	10.162	84	37838	6.028	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	120.600%#
66) 1,2-Dichlorobenzene-d4	11.571	152	40150	5.002	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.220	50	5228	0.357	ug/L	97
5) Vinyl chloride	1.288	62	3597	0.337	ug/L #	38
6) Bromomethane	1.497	94	1059	0.348	ug/L	81
8) Chloroethane	1.372	64	182732	29.874	ug/L #	51
12) 1,1-Dichloroethene	2.076	96	193285	25.335	ug/L #	72
14) Carbon disulfide	2.249	76	3234	0.129	ug/L #	81
18) trans-1,2-Dichloroethene	2.706	96	5236	0.651	ug/L	93
19) 1,1-Dichloroethane	3.121	63	171459	11.004	ug/L	98
22) cis-1,2-Dichloroethene	3.825	96	496820	61.591	ug/L	99
25) Chloroform	4.291	83	11155	0.708	ug/L	91
27) 1,2-Dichloroethane	5.060	62	7322	0.769	ug/L	96
29) 1,1,1-Trichloroethane	4.523	97	136819	9.430	ug/L	98
31) Carbon tetrachloride	4.523	117	17804	1.352	ug/L	99
34) Trichloroethene	5.841	95	281825	32.591	ug/L	99
35) Methylcyclohexane	6.002	83	10049	0.740	ug/L #	16
37) 1,2-Dichloropropane	6.111	63	3511	0.427	ug/L #	89
44) trans-1,3-Dichloropropene	7.571	75	843	0.086	ug/L #	54
45) 1,1,2-Trichloroethane	7.786	97	992	0.171	ug/L	96
47) Tetrachloroethene	7.915	164	822630	107.791	ug/L	96

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

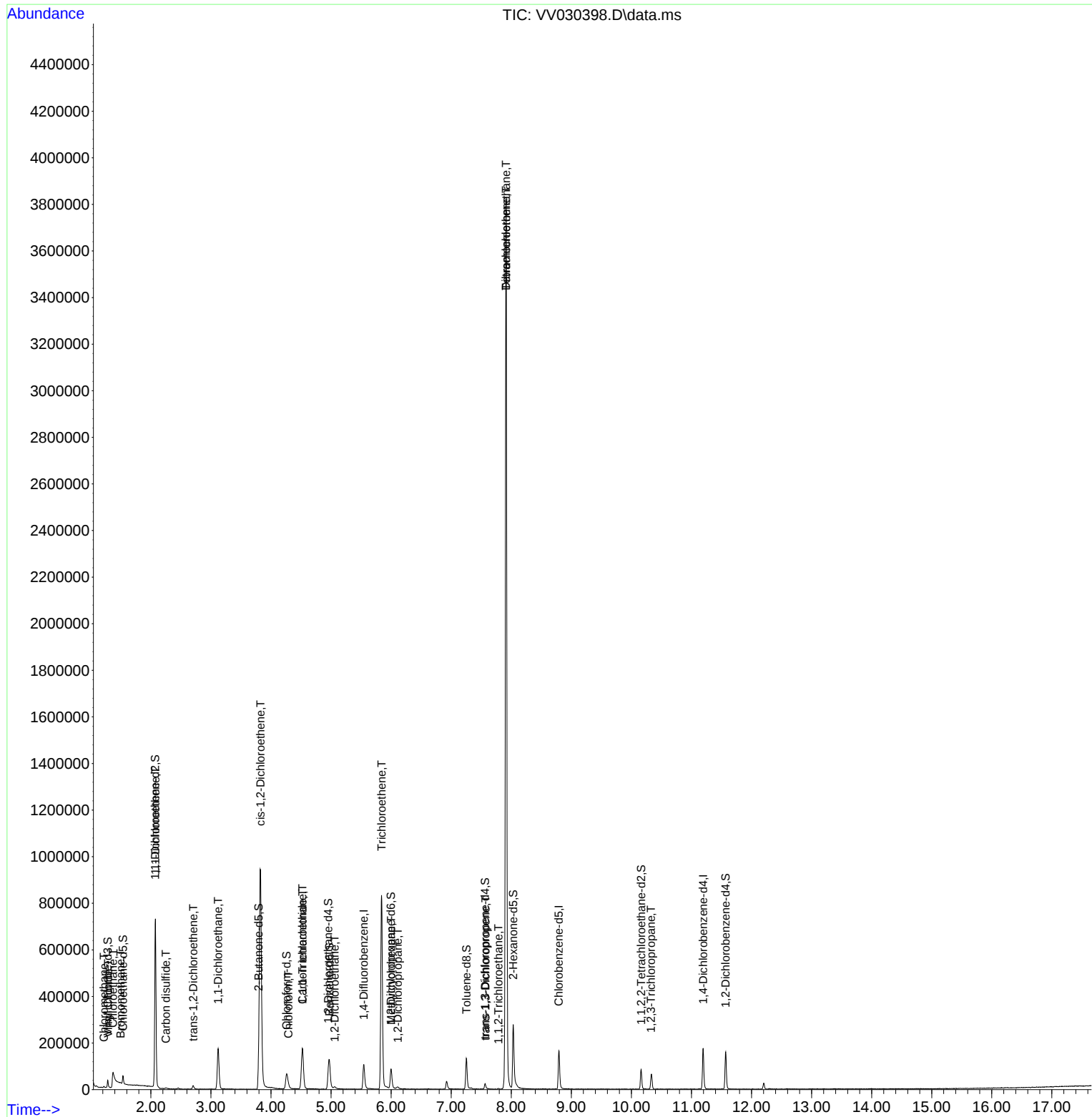
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	7.915	129	724935	105.077	ug/L	# 12
61) 1,2,3-Trichloropropane	10.326	75	585	0.146	ug/L	94

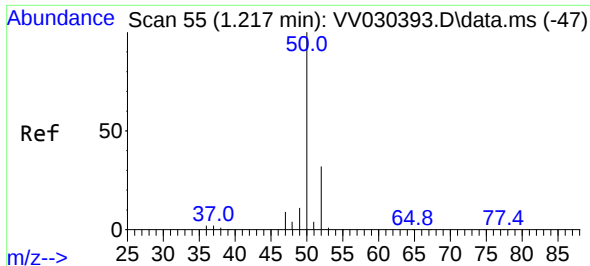
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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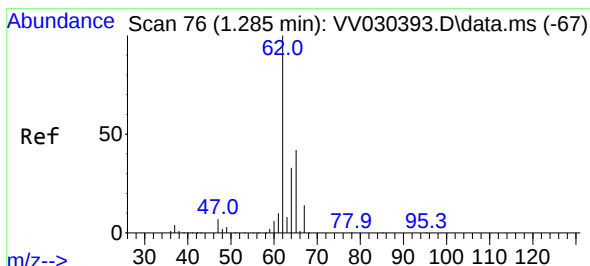
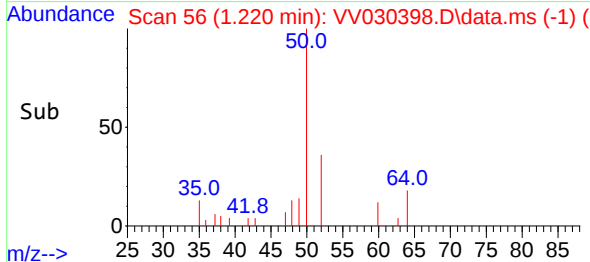
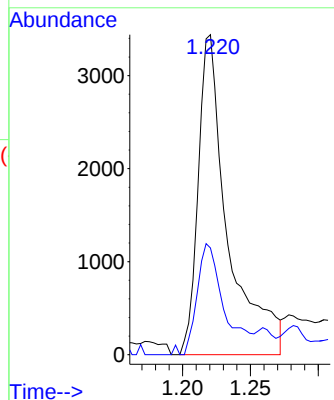
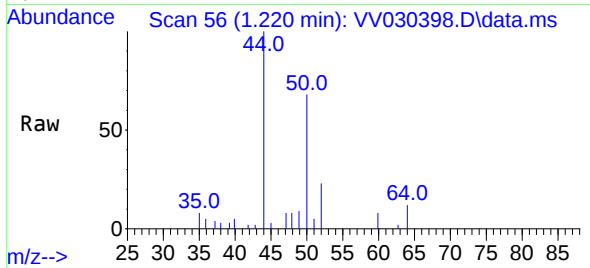




#3
Chloromethane
Concen: 0.357 ug/L
RT: 1.220 min Scan# 50
Delta R.T. 0.003 min
Lab File: VV030398.D
Acq: 05 Apr 2023 14:06

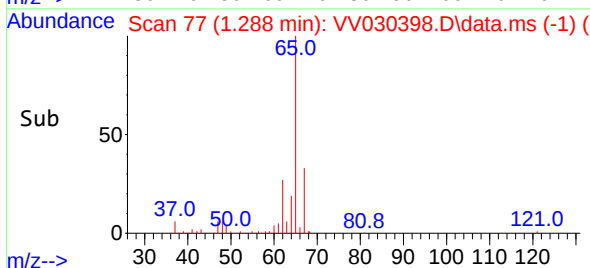
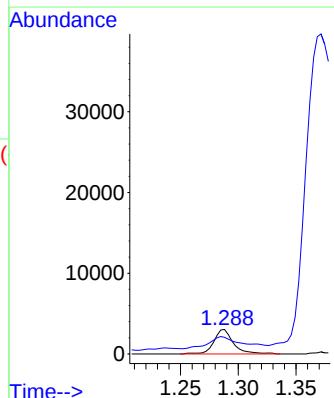
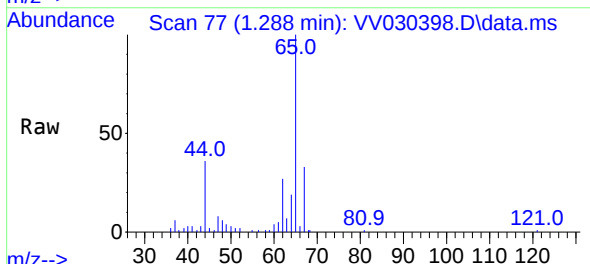
Instrument :
MSVOA_V
ClientSampleId :
BHDW0

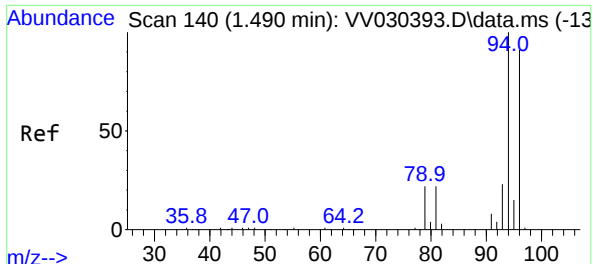
Tgt Ion: 50 Resp: 5228
Ion Ratio Lower Upper
50 100
52 33.4 22.3 41.5



#5
Vinyl chloride
Concen: 0.337 ug/L
RT: 1.288 min Scan# 77
Delta R.T. 0.003 min
Lab File: VV030398.D
Acq: 05 Apr 2023 14:06

Tgt Ion: 62 Resp: 3597
Ion Ratio Lower Upper
62 100
64 68.2 23.2 43.2#

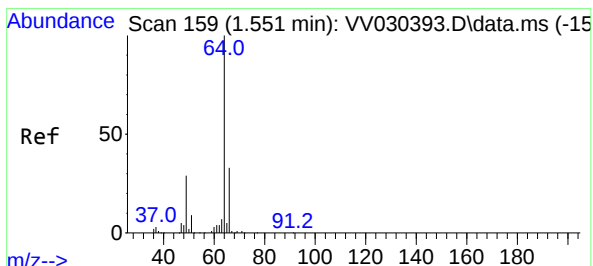
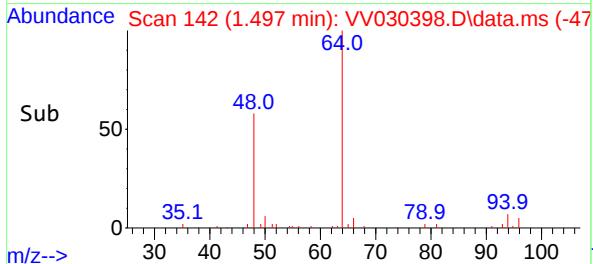
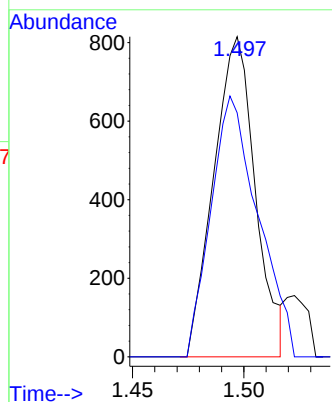
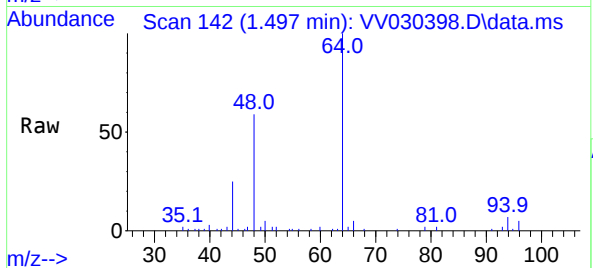




#6
Bromomethane
Concen: 0.348 ug/L
RT: 1.497 min Scan# 14
Delta R.T. 0.006 min
Lab File: VV030398.D
Acq: 05 Apr 2023 14:06

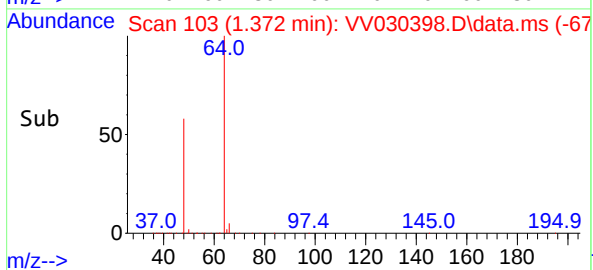
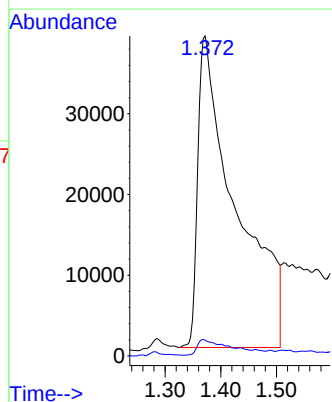
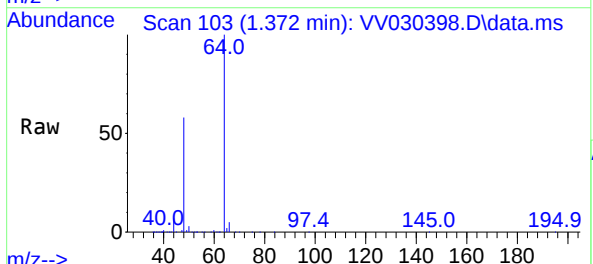
Instrument :
MSVOA_V
ClientSampleId :
BHDW0

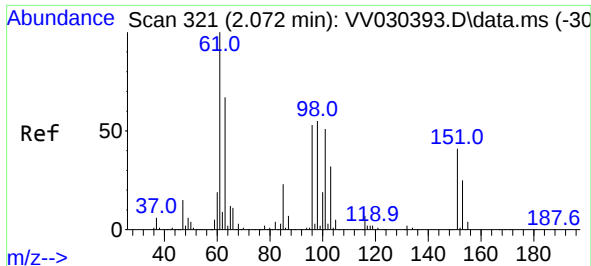
Tgt Ion: 94 Resp: 1059
Ion Ratio Lower Upper
94 100
96 76.2 66.1 122.7



#8
Chloroethane
Concen: 29.874 ug/L
RT: 1.372 min Scan# 103
Delta R.T. -0.183 min
Lab File: VV030398.D
Acq: 05 Apr 2023 14:06

Tgt Ion: 64 Resp: 182732
Ion Ratio Lower Upper
64 100
66 5.0 23.0 42.8#





#12

1,1-Dichloroethene

Concen: 25.335 ug/L

RT: 2.076 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV030398.D

Acq: 05 Apr 2023 14:06

Instrument :

MSVOA_V

ClientSampleId :

BHDW0

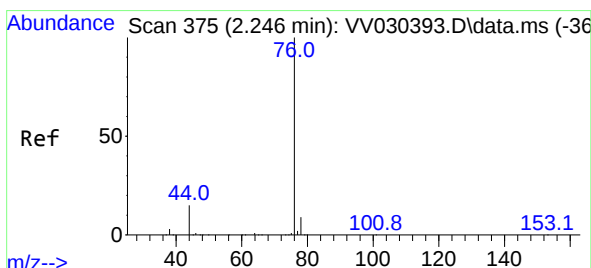
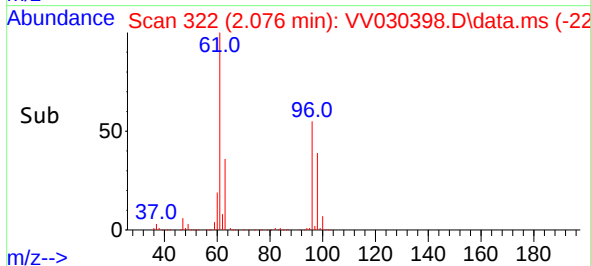
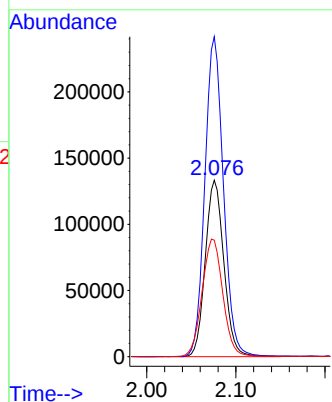
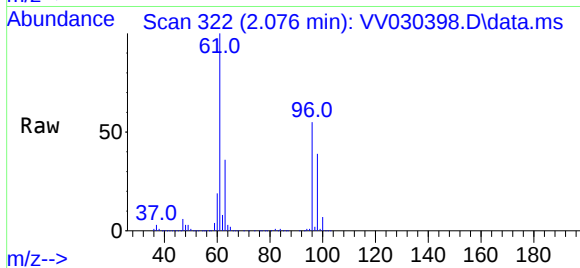
Tgt Ion: 96 Resp: 193285

Ion Ratio Lower Upper

96 100

61 181.2 136.3 253.1

63 66.0 92.1 171.1#



#14

Carbon disulfide

Concen: 0.129 ug/L

RT: 2.249 min Scan# 376

Delta R.T. 0.003 min

Lab File: VV030398.D

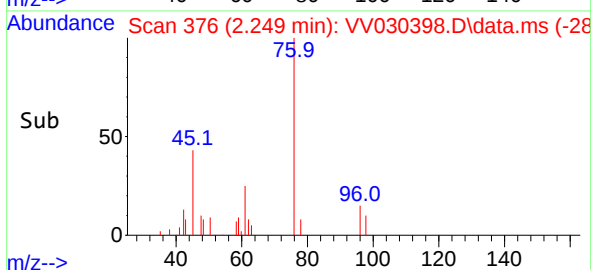
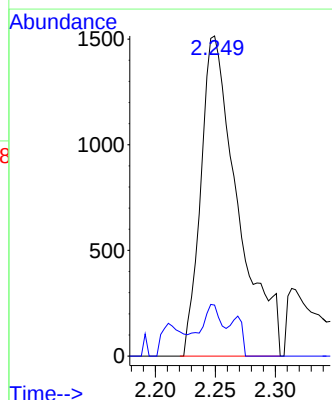
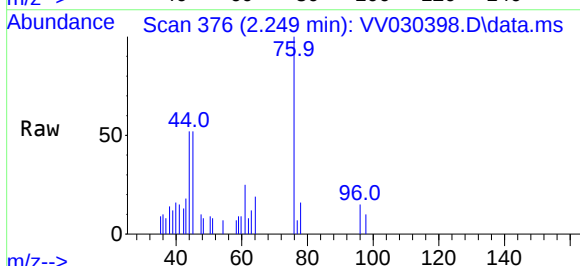
Acq: 05 Apr 2023 14:06

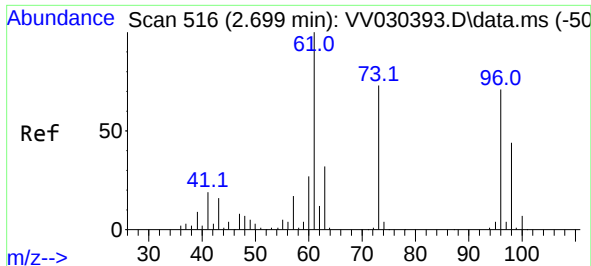
Tgt Ion: 76 Resp: 3234

Ion Ratio Lower Upper

76 100

78 15.9 7.3 10.9#

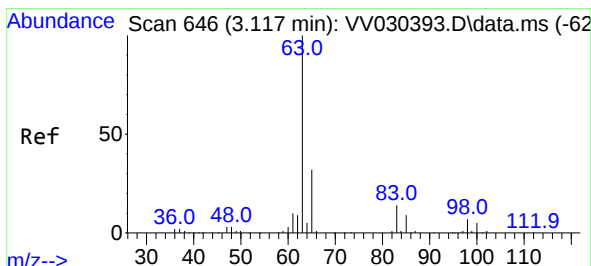
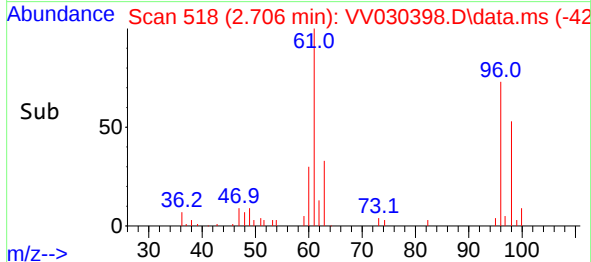
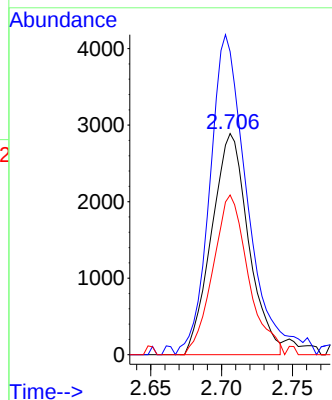
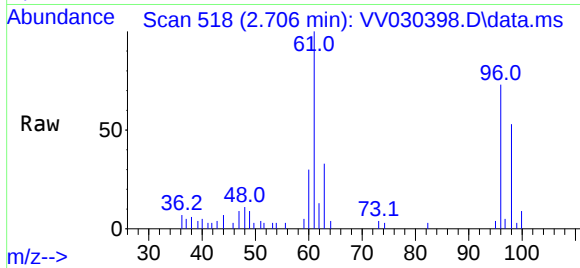




#18
trans-1,2-Dichloroethene
Concen: 0.651 ug/L
RT: 2.706 min Scan# 516
Delta R.T. 0.006 min
Lab File: VV030398.D
Acq: 05 Apr 2023 14:06

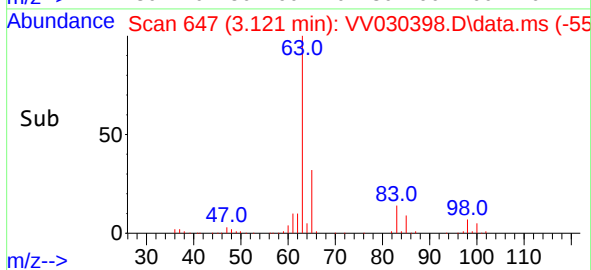
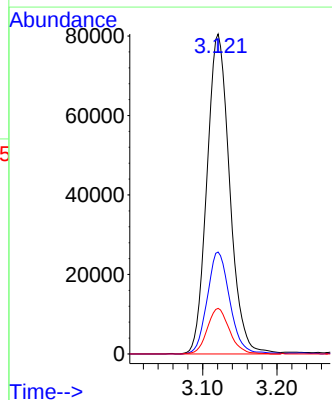
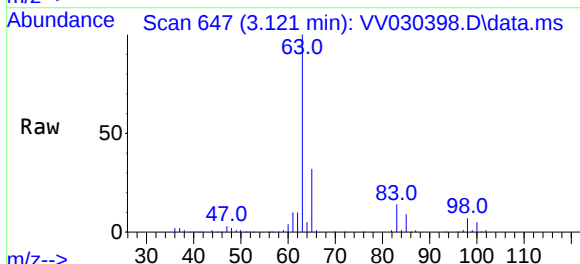
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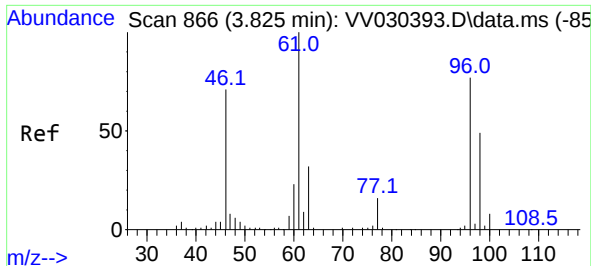
Tgt Ion: 96 Resp: 5236
Ion Ratio Lower Upper
96 100
61 137.1 101.7 188.9
98 72.2 45.8 85.2



#19
1,1-Dichloroethane
Concen: 11.004 ug/L
RT: 3.121 min Scan# 647
Delta R.T. 0.003 min
Lab File: VV030398.D
Acq: 05 Apr 2023 14:06

Tgt Ion: 63 Resp: 171459
Ion Ratio Lower Upper
63 100
65 31.9 21.7 40.3
83 14.3 9.1 16.9

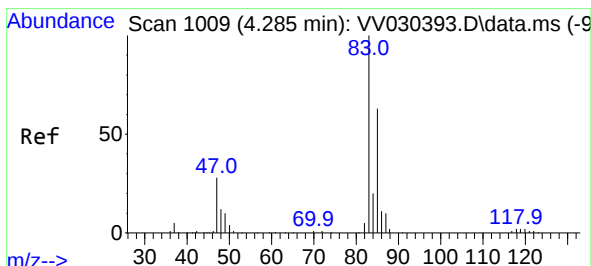
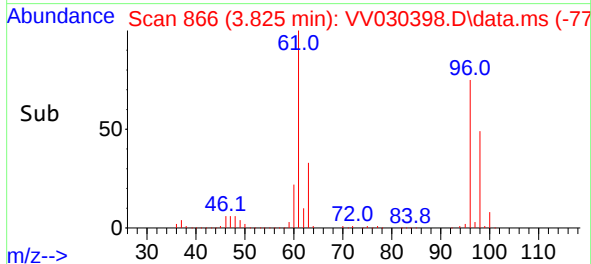
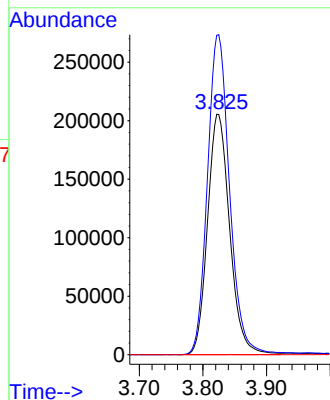
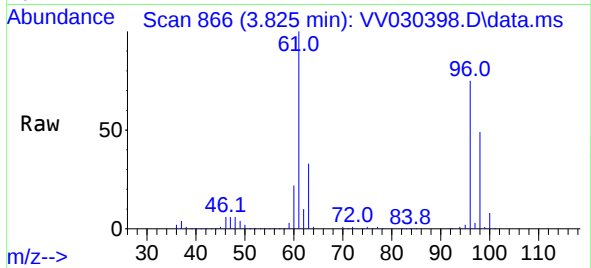




#22
cis-1,2-Dichloroethene
Concen: 61.591 ug/L
RT: 3.825 min Scan# 80
Delta R.T. 0.000 min
Lab File: VV030398.D
Acq: 05 Apr 2023 14:06

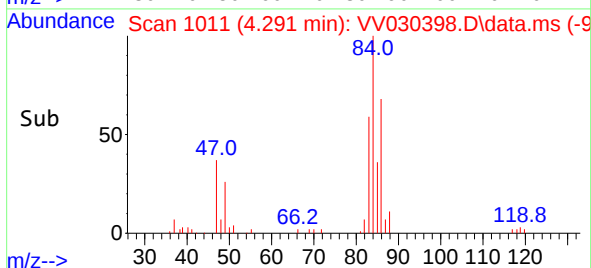
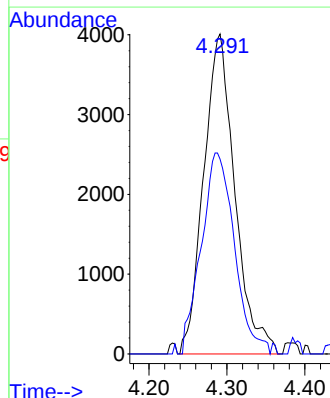
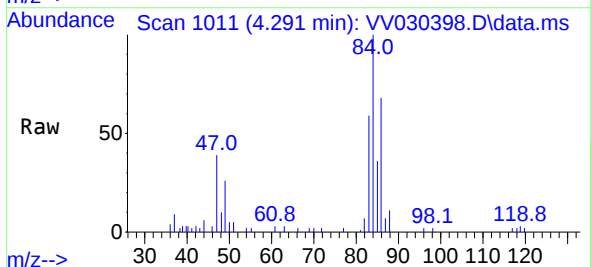
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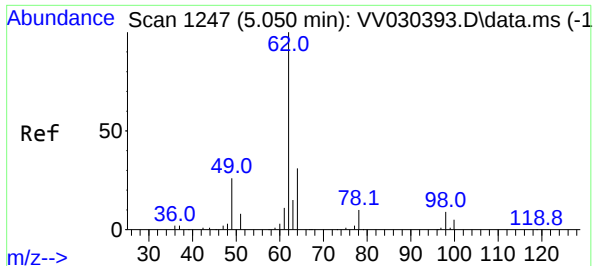
Tgt Ion: 96 Resp: 496820
Ion Ratio Lower Upper
96 100
61 133.1 92.0 170.8
68 0.0 0.0 0.0



#25
Chloroform
Concen: 0.708 ug/L
RT: 4.291 min Scan# 1011
Delta R.T. 0.006 min
Lab File: VV030398.D
Acq: 05 Apr 2023 14:06

Tgt Ion: 83 Resp: 11155
Ion Ratio Lower Upper
83 100
85 60.9 47.6 88.4

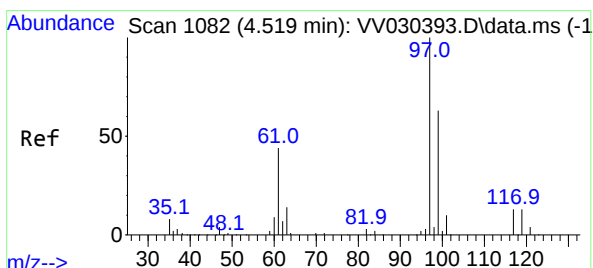
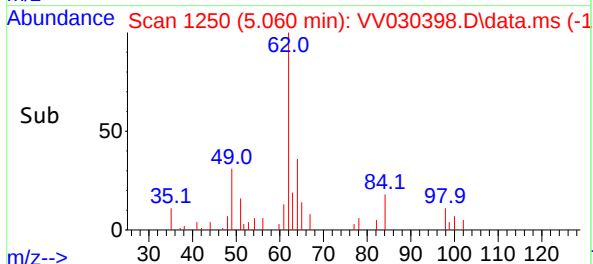
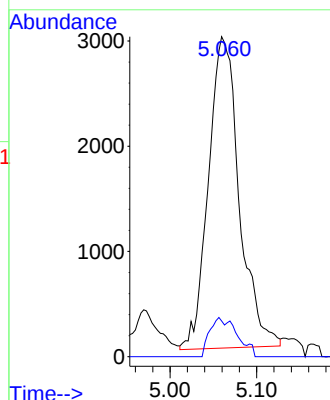
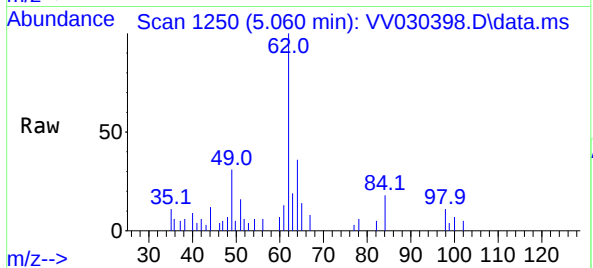




#27
1,2-Dichloroethane
Concen: 0.769 ug/L
RT: 5.060 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV030398.D
Acq: 05 Apr 2023 14:06

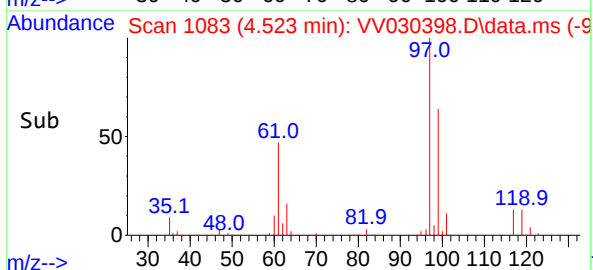
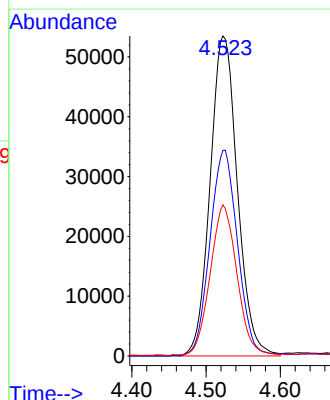
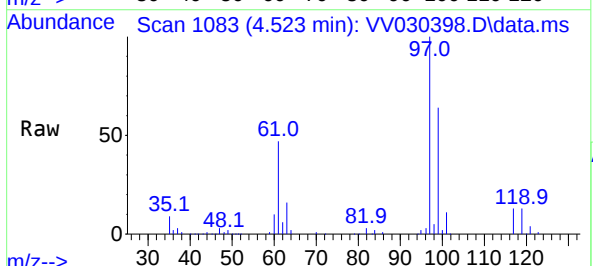
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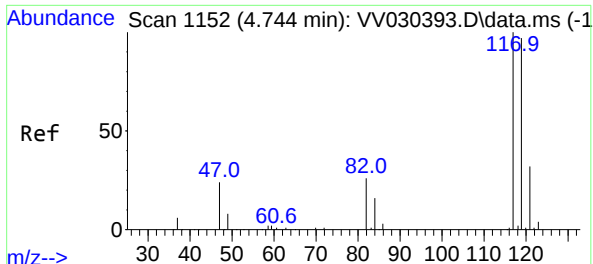
Tgt Ion: 62 Resp: 7322
Ion Ratio Lower Upper
62 100
98 11.1 7.8 11.8



#29
1,1,1-Trichloroethane
Concen: 9.430 ug/L
RT: 4.523 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VV030398.D
Acq: 05 Apr 2023 14:06

Tgt Ion: 97 Resp: 136819
Ion Ratio Lower Upper
97 100
99 65.0 50.9 76.3
61 46.1 35.9 53.9

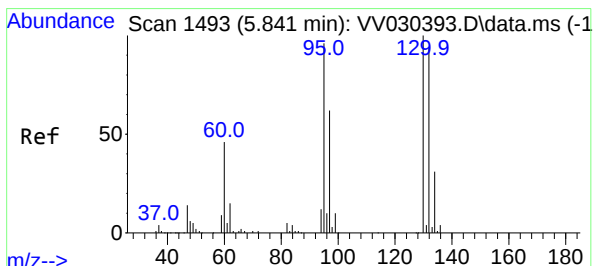
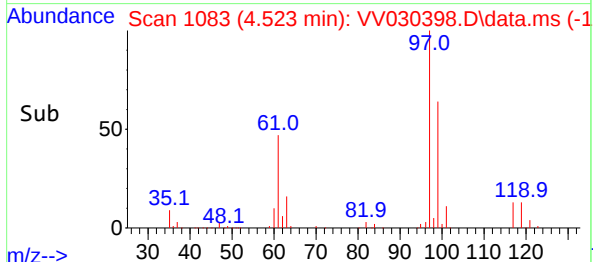
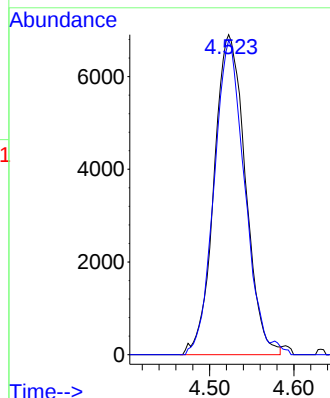
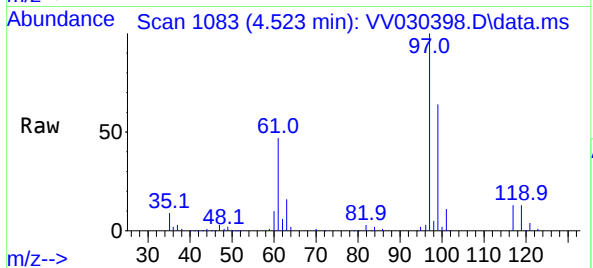




#31
Carbon tetrachloride
Concen: 1.352 ug/L
RT: 4.523 min Scan# 1083
Delta R.T. -0.222 min
Lab File: VV030398.D
Acq: 05 Apr 2023 14:06

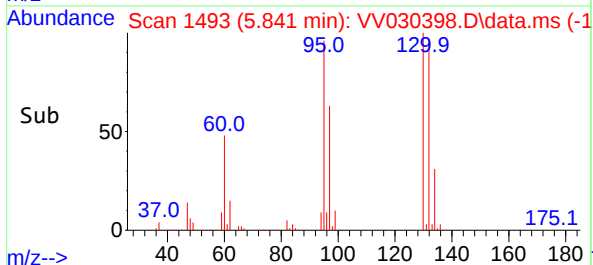
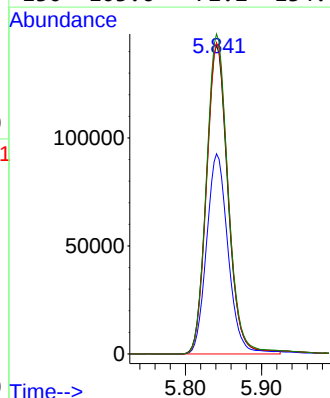
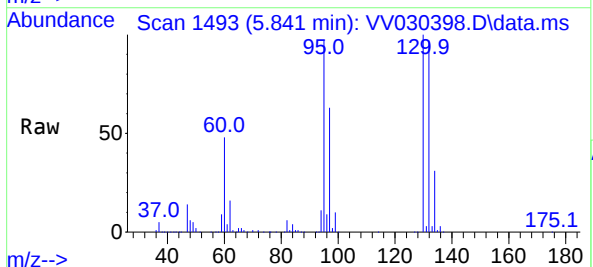
Instrument :
MSVOA_V
ClientSampleId :
BHDW0

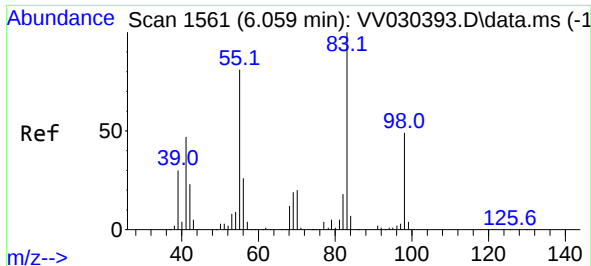
Tgt Ion:117 Resp: 17804
Ion Ratio Lower Upper
117 100
119 96.1 76.2 114.4



#34
Trichloroethene
Concen: 32.591 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VV030398.D
Acq: 05 Apr 2023 14:06

Tgt Ion: 95 Resp: 281825
Ion Ratio Lower Upper
95 100
97 64.8 44.2 82.2
132 100.9 69.5 129.1
130 103.6 72.2 134.0





#35

Methylcyclohexane

Concen: 0.740 ug/L

RT: 6.002 min Scan# 1

Delta R.T. -0.058 min

Lab File: VV030398.D

Acq: 05 Apr 2023 14:06

Instrument :

MSVOA_V

ClientSampleId :

BHDW0

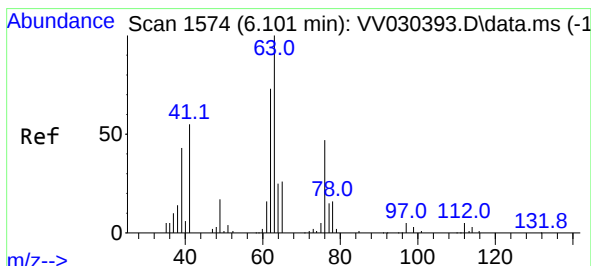
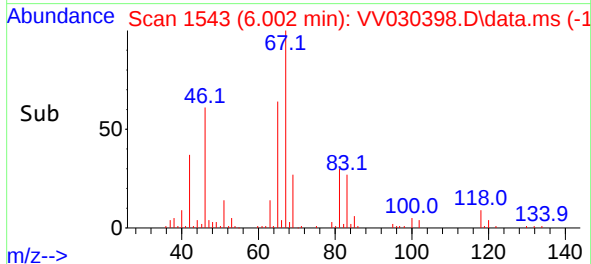
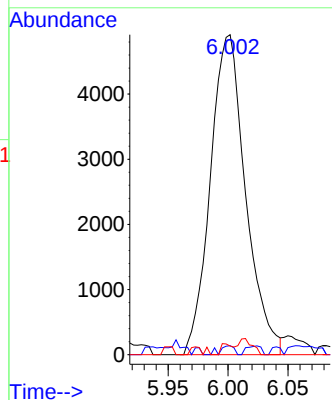
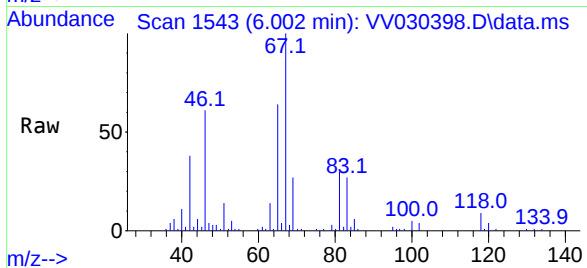
Tgt Ion: 83 Resp: 10049

Ion Ratio Lower Upper

83 100

55 1.1 66.6 100.0#

98 0.0 38.6 58.0#



#37

1,2-Dichloropropane

Concen: 0.427 ug/L

RT: 6.111 min Scan# 1577

Delta R.T. 0.010 min

Lab File: VV030398.D

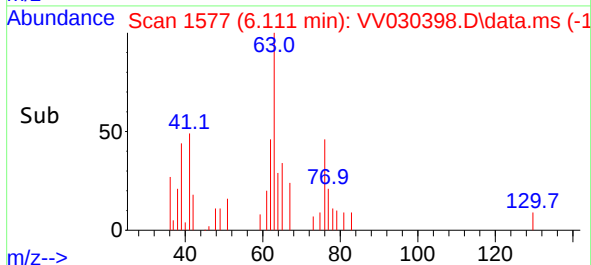
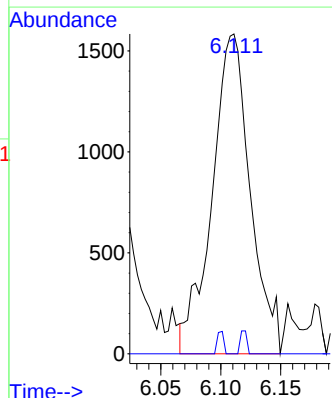
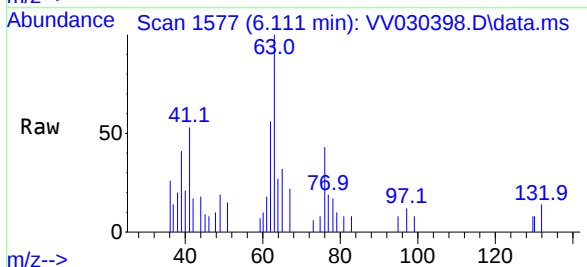
Acq: 05 Apr 2023 14:06

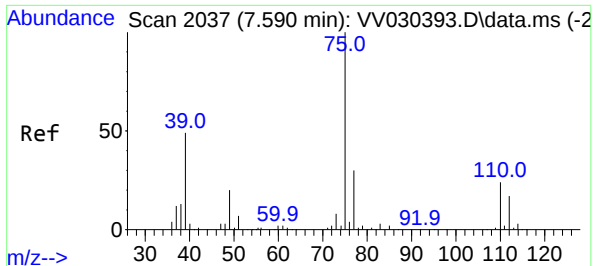
Tgt Ion: 63 Resp: 3511

Ion Ratio Lower Upper

63 100

112 1.3 3.9 5.9#

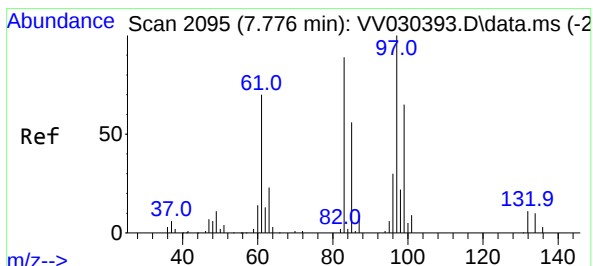
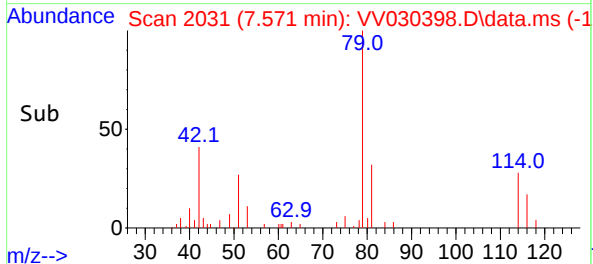
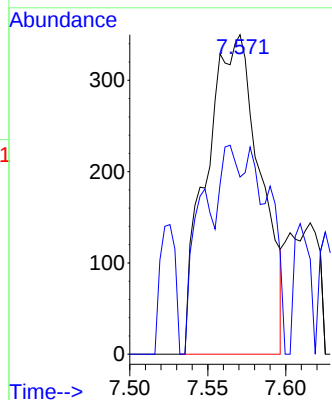
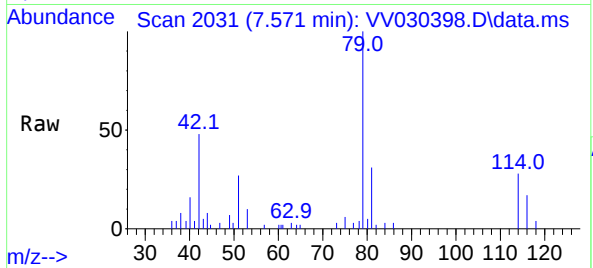




#44
trans-1,3-Dichloropropene
Concen: 0.086 ug/L
RT: 7.571 min Scan# 2031
Delta R.T. -0.019 min
Lab File: VV030398.D
Acq: 05 Apr 2023 14:06

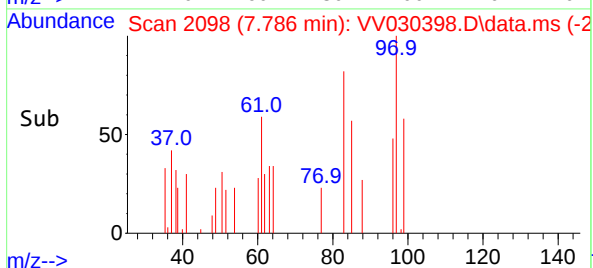
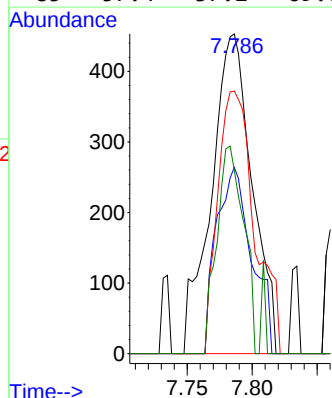
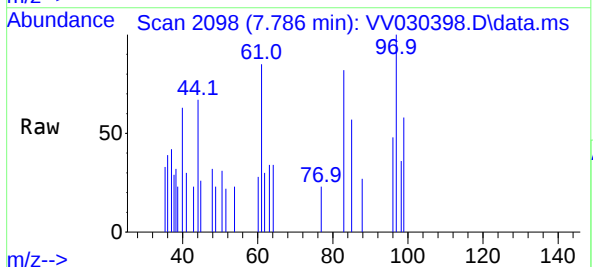
Instrument :
MSVOA_V
ClientSampleId :
BHDW0

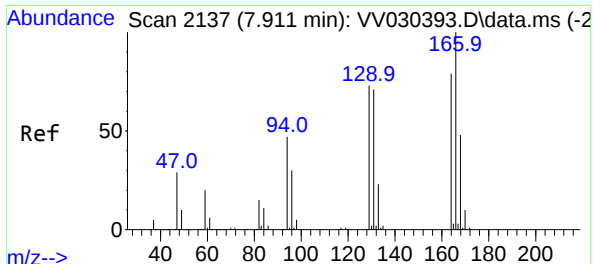
Tgt Ion: 75 Resp: 843
Ion Ratio Lower Upper
75 100
77 55.4 21.2 39.4#



#45
1,1,2-Trichloroethane
Concen: 0.171 ug/L
RT: 7.786 min Scan# 2098
Delta R.T. 0.010 min
Lab File: VV030398.D
Acq: 05 Apr 2023 14:06

Tgt Ion: 97 Resp: 992
Ion Ratio Lower Upper
97 100
99 58.3 44.0 81.8
83 82.1 58.8 109.2
85 57.4 37.2 69.0

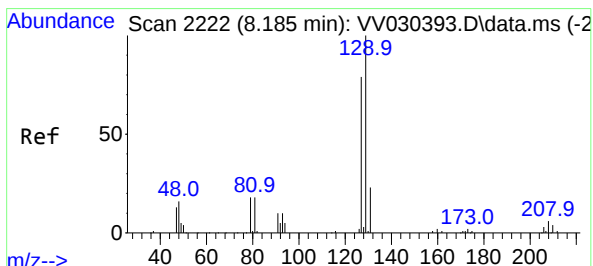
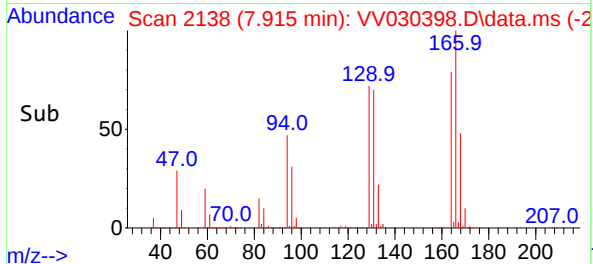
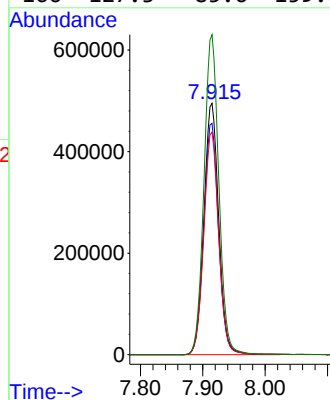
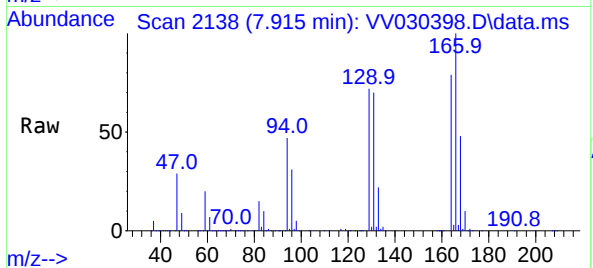




#47
Tetrachloroethene
Concen: 107.791 ug/L
RT: 7.915 min Scan# 2137
Delta R.T. 0.003 min
Lab File: VV030398.D
Acq: 05 Apr 2023 14:06

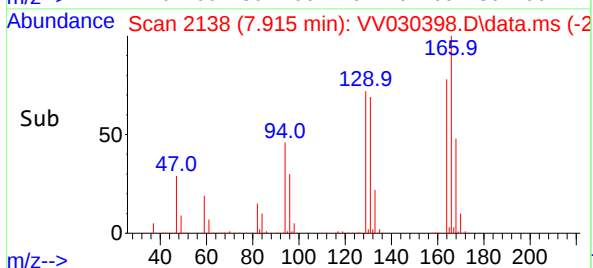
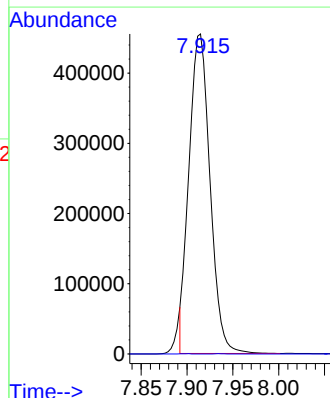
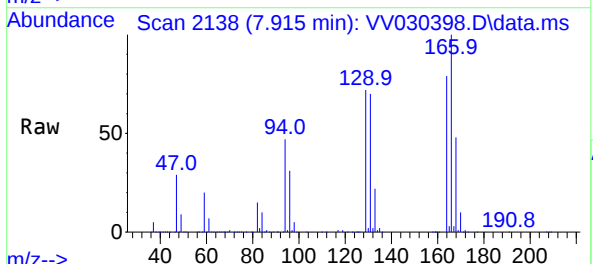
Instrument :
MSVOA_V
ClientSampleId :
BHDW0

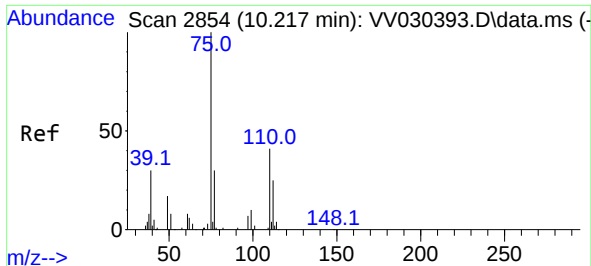
Tgt Ion:164 Resp: 822630
Ion Ratio Lower Upper
164 100
129 92.1 60.8 112.8
131 88.6 61.7 114.7
166 127.3 85.6 159.0



#49
Dibromochloromethane
Concen: 105.077 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. -0.270 min
Lab File: VV030398.D
Acq: 05 Apr 2023 14:06

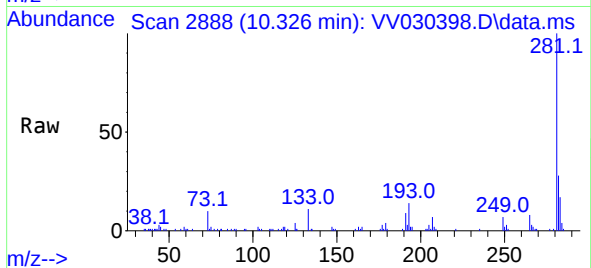
Tgt Ion:129 Resp: 724935
Ion Ratio Lower Upper
129 100
127 0.0 52.7 97.9#





#61
 1,2,3-Trichloropropane
 Concen: 0.146 ug/L
 RT: 10.326 min Scan# 21
 Delta R.T. 0.109 min
 Lab File: VV030398.D
 Acq: 05 Apr 2023 14:06

Instrument :
 MSVOA_V
 ClientSampleId :
 BHDW0



Tgt Ion: 75 Resp: 585

Ion	Ratio	Lower	Upper
75	100		
77	26.8	26.0	39.0
110	37.9	31.6	47.4

