

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW040523\
 Data File : VW030401.D
 Acq On : 05 Apr 2023 15:19
 Operator : SY/MD
 Sample : 02194-06
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHDW4

Quant Time: Apr 06 05:27:29 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)

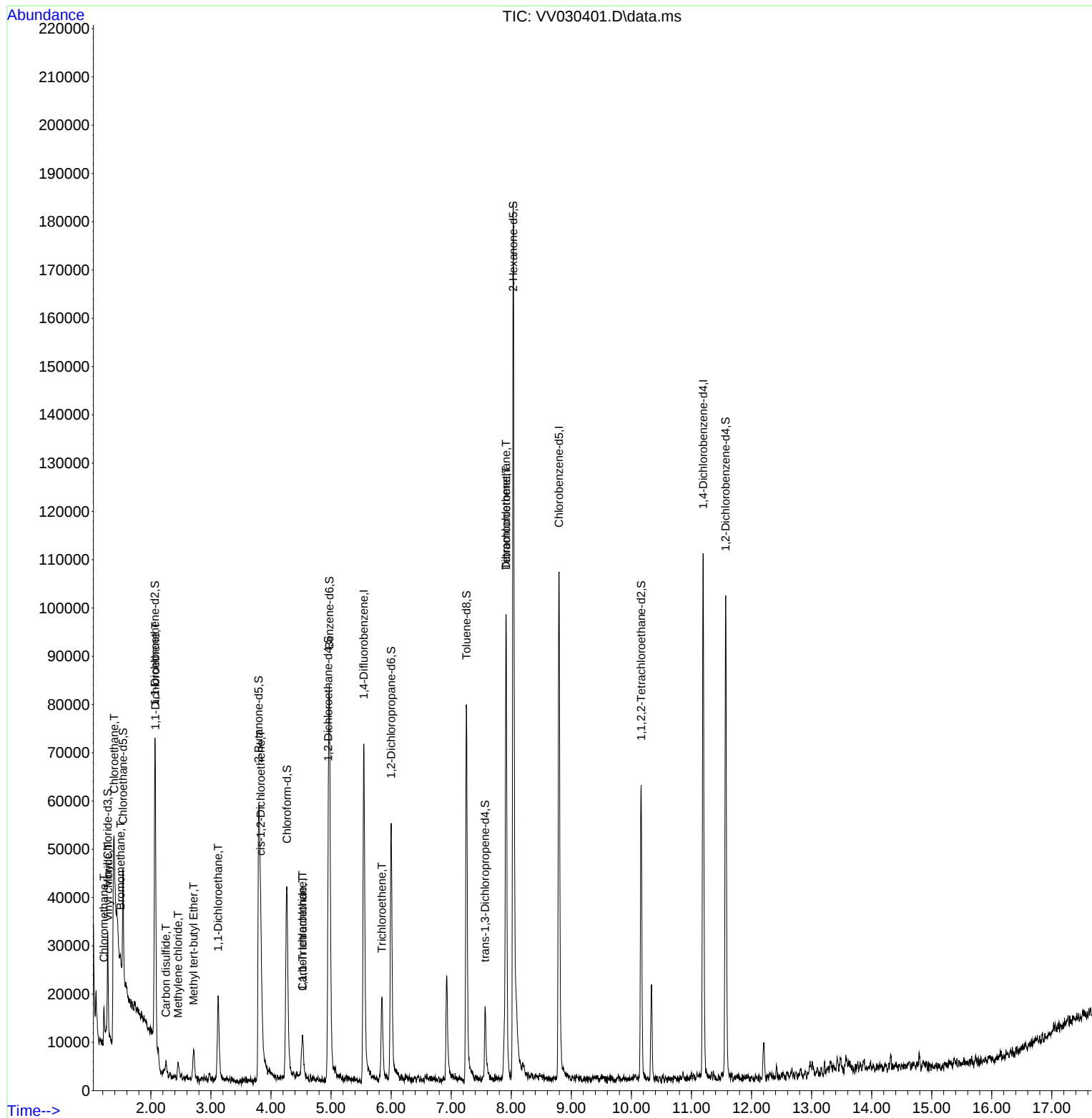
Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	59384	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.796	117	59406	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	29513	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	12436	3.162	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	63.200%
7) Chloroethane-d5	1.536	69	14842	3.889	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.800%
11) 1,1-Dichloroethene-d2	2.066	63	28196	3.021	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.400%
20) 2-Butanone-d5	3.796	46	93281	91.760	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	183.520%#
24) Chloroform-d	4.265	84	41394	4.348	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.000%
26) 1,2-Dichloroethane-d4	4.953	65	27341	6.088	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	121.800%
32) Benzene-d6	4.973	84	68300	4.080	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.600%
36) 1,2-Dichloropropane-d6	6.002	67	24756	4.724	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.400%
41) Toluene-d8	7.252	98	53430	3.476	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.600%#
43) trans-1,3-Dichloroprop...	7.564	79	9279	4.702	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.000%
46) 2-Hexanone-d5	8.034	63	62337	78.618	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	157.240%#
56) 1,1,2,2-Tetrachloroeth...	10.162	84	28538	6.909	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	138.200%#
66) 1,2-Dichlorobenzene-d4	11.571	152	26290	4.984	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.600%
Target Compounds						Qvalue
3) Chloromethane	1.220	50	5994	0.629	ug/L	91
5) Vinyl chloride	1.288	62	493	0.071	ug/L #	1
6) Bromomethane	1.494	94	994	0.502	ug/L	96
8) Chloroethane	1.388	64	132355	33.271	ug/L #	51
12) 1,1-Dichloroethene	2.076	96	8656	1.745	ug/L #	73
14) Carbon disulfide	2.249	76	2075	0.127	ug/L #	63
16) Methylene chloride	2.452	84	1404	0.239	ug/L	92
17) Methyl tert-butyl Ether	2.712	73	4772	0.454	ug/L #	81
19) 1,1-Dichloroethane	3.121	63	15634	1.543	ug/L	94
22) cis-1,2-Dichloroethene	3.828	96	9290	1.771	ug/L	98
29) 1,1,1-Trichloroethane	4.523	97	6876	0.720	ug/L	97
31) Carbon tetrachloride	4.523	117	917	0.106	ug/L #	53
34) Trichloroethene	5.847	95	5891	1.035	ug/L	96
47) Tetrachloroethene	7.915	164	22078	4.396	ug/L	98
49) Dibromochloromethane	7.915	129	18560	4.088	ug/L #	12

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

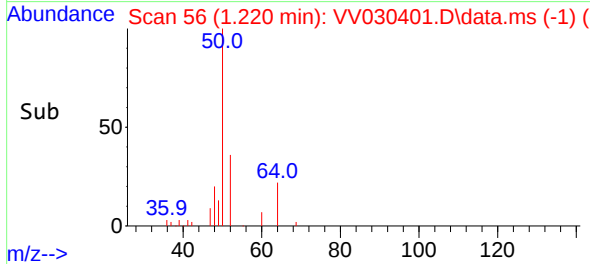
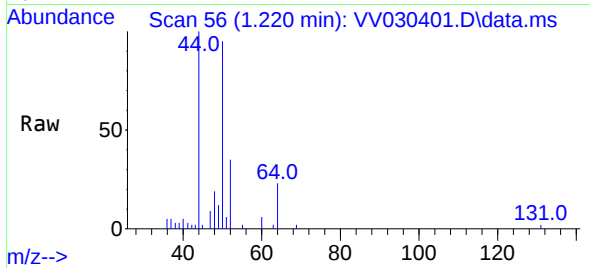
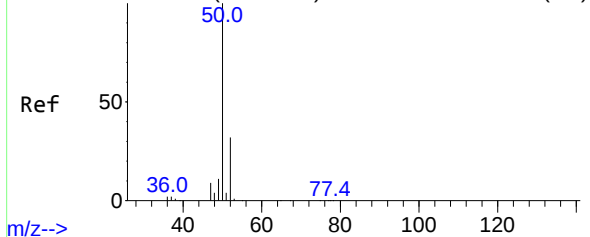
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV040523\
Data File : VV030401.D
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Mar 31 05:37:21 2023
Response via : Initial Calibration



Abundance Scan 55 (1.217 min): VV030393.D\data.ms (-47)



#3

Chloromethane

Concen: 0.629 ug/L

RT: 1.220 min Scan# 50

Delta R.T. 0.003 min

Lab File: VV030401.D

Acq: 05 Apr 2023 15:19

Instrument :

MSVOA_V

ClientSampleId :

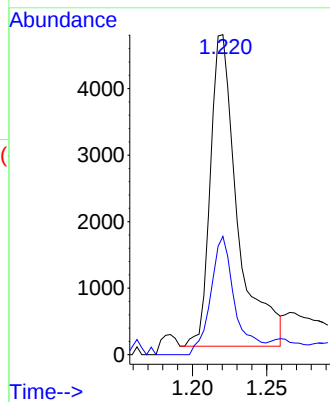
BHDW4

Tgt Ion: 50 Resp: 5994

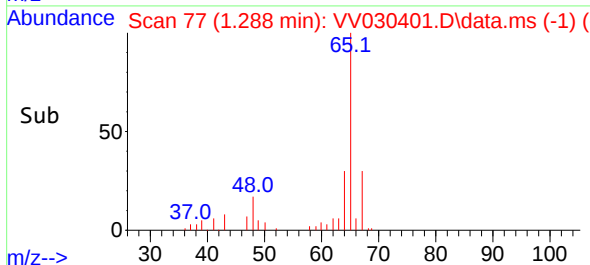
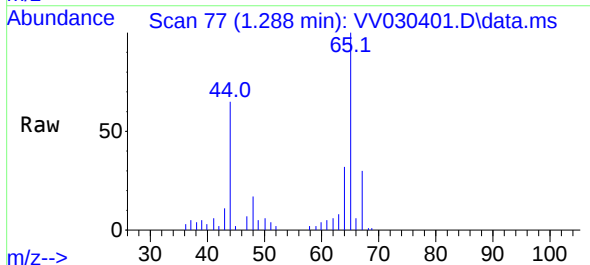
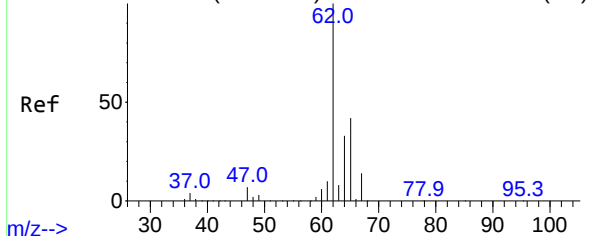
Ion Ratio Lower Upper

50 100

52 37.0 22.3 41.5



Abundance Scan 76 (1.285 min): VV030393.D\data.ms (-67)



#5

Vinyl chloride

Concen: 0.071 ug/L

RT: 1.288 min Scan# 77

Delta R.T. 0.003 min

Lab File: VV030401.D

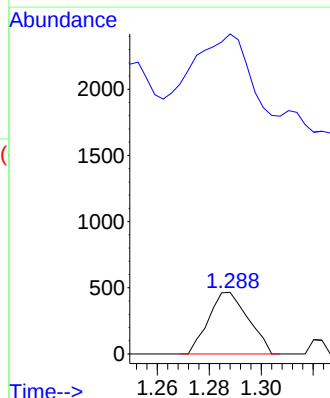
Acq: 05 Apr 2023 15:19

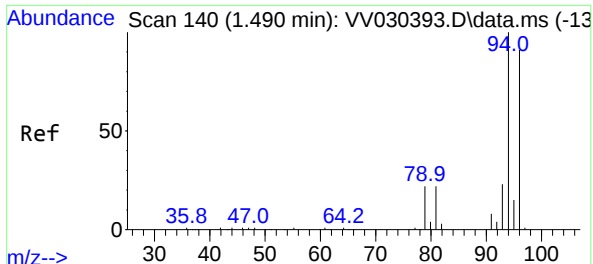
Tgt Ion: 62 Resp: 493

Ion Ratio Lower Upper

62 100

64 520.0 23.2 43.2#

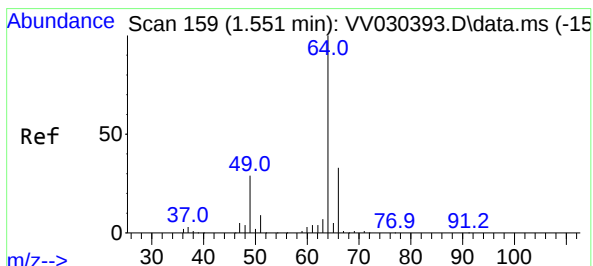
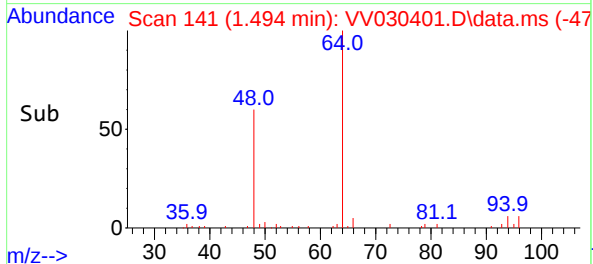
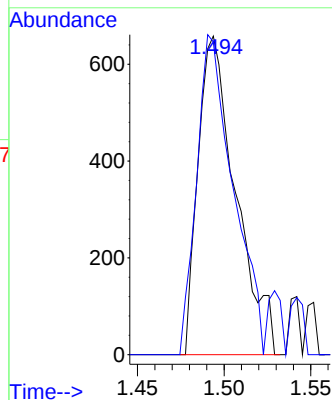
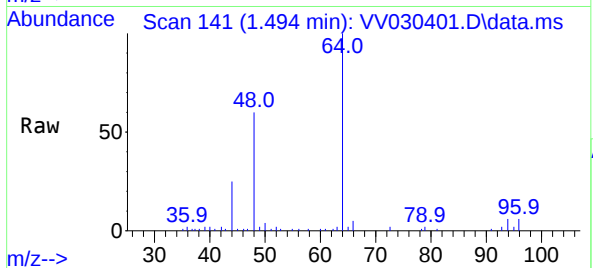




#6
Bromomethane
Concen: 0.502 ug/L
RT: 1.494 min Scan# 14
Delta R.T. 0.003 min
Lab File: VV030401.D
Acq: 05 Apr 2023 15:19

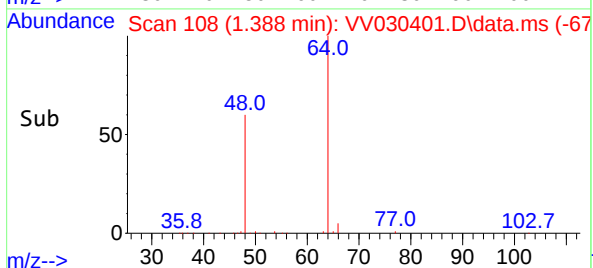
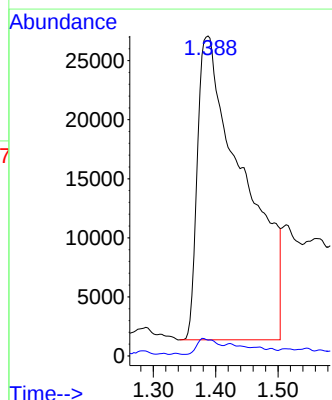
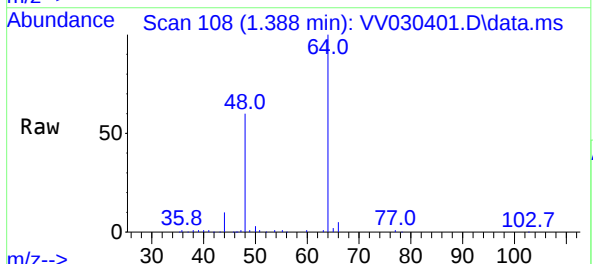
Instrument :
MSVOA_V
ClientSampleId :
BHDW4

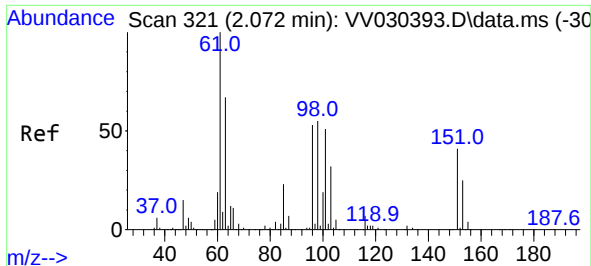
Tgt Ion: 94 Resp: 994
Ion Ratio Lower Upper
94 100
96 98.2 66.1 122.7



#8
Chloroethane
Concen: 33.271 ug/L
RT: 1.388 min Scan# 108
Delta R.T. -0.167 min
Lab File: VV030401.D
Acq: 05 Apr 2023 15:19

Tgt Ion: 64 Resp: 132355
Ion Ratio Lower Upper
64 100
66 5.0 23.0 42.8#





#12

1,1-Dichloroethene

Concen: 1.745 ug/L

RT: 2.076 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV030401.D

Acq: 05 Apr 2023 15:19

Instrument :

MSVOA_V

ClientSampleId :

BHDW4

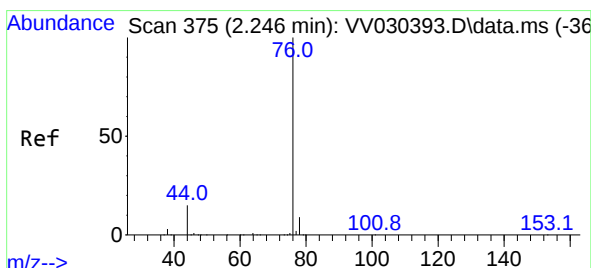
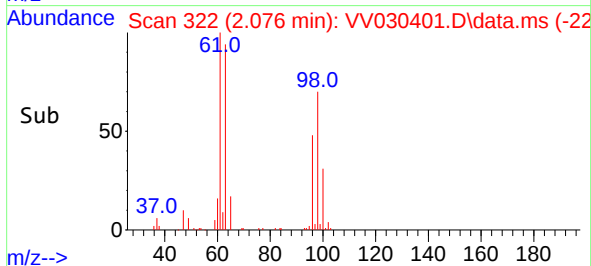
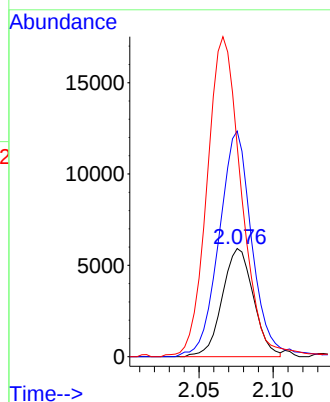
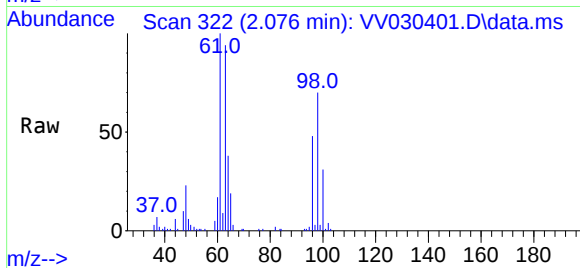
Tgt Ion: 96 Resp: 8656

Ion Ratio Lower Upper

96 100

61 208.6 136.3 253.1

63 195.3 92.1 171.1#



#14

Carbon disulfide

Concen: 0.127 ug/L

RT: 2.249 min Scan# 376

Delta R.T. 0.003 min

Lab File: VV030401.D

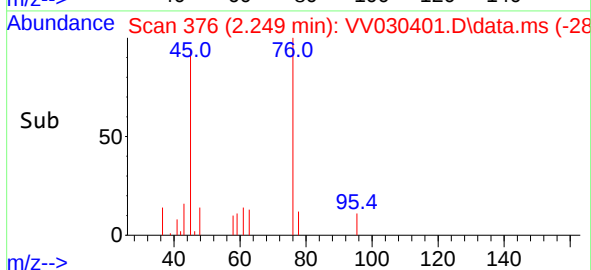
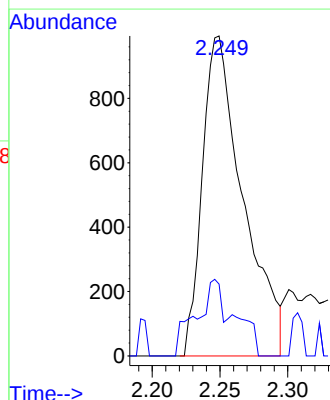
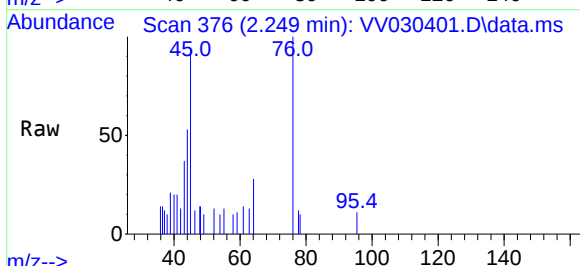
Acq: 05 Apr 2023 15:19

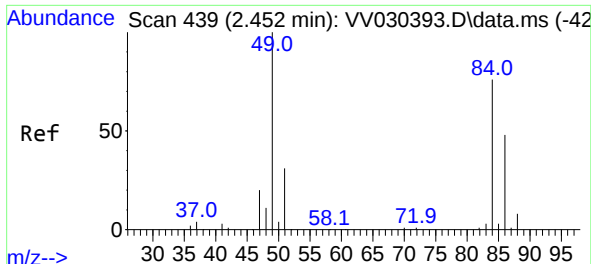
Tgt Ion: 76 Resp: 2075

Ion Ratio Lower Upper

76 100

78 22.4 7.3 10.9#



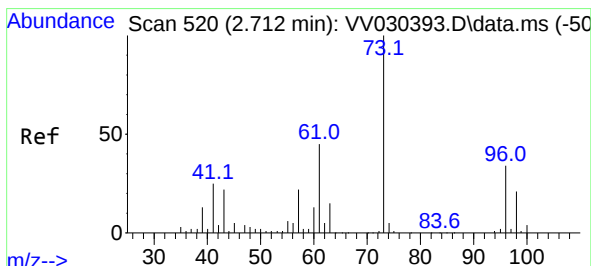
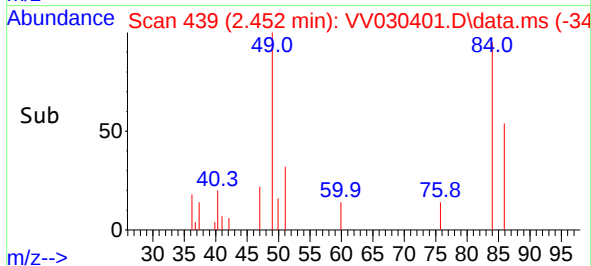
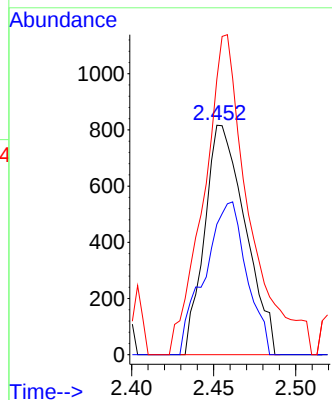
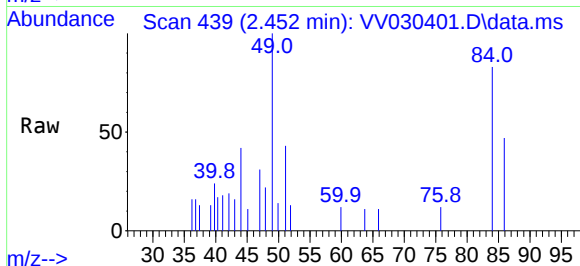


#16
Methylene chloride
Concen: 0.239 ug/L
RT: 2.452 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV030401.D
Acq: 05 Apr 2023 15:19

Instrument :
MSVOA_V
ClientSampleId :
BHDW4

Tgt Ion: 84 Resp: 1404

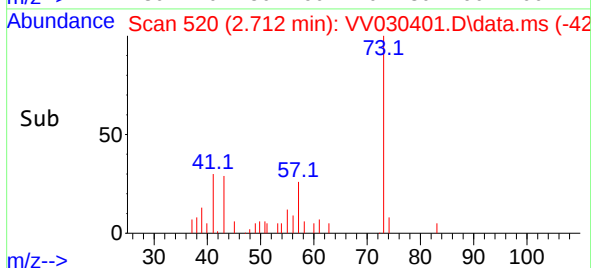
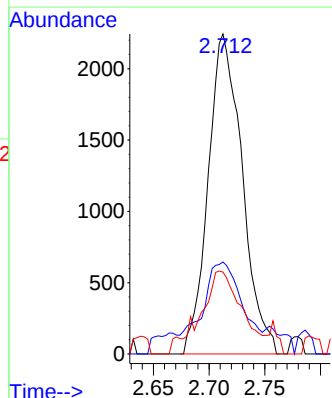
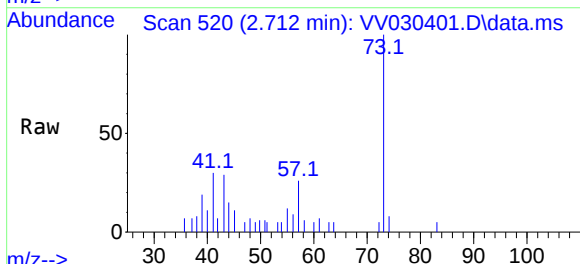
Ion	Ratio	Lower	Upper
84	100		
86	56.8	44.0	81.6
49	120.0	90.6	168.3

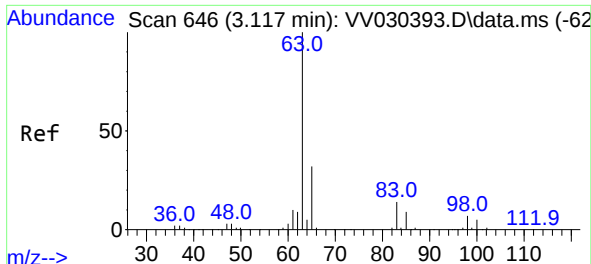


#17
Methyl tert-butyl Ether
Concen: 0.454 ug/L
RT: 2.712 min Scan# 520
Delta R.T. -0.000 min
Lab File: VV030401.D
Acq: 05 Apr 2023 15:19

Tgt Ion: 73 Resp: 4772

Ion	Ratio	Lower	Upper
73	100		
43	34.1	17.4	26.2#
57	29.3	18.3	27.5#





#19

1,1-Dichloroethane

Concen: 1.543 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV030401.D

Acq: 05 Apr 2023 15:19

Instrument :

MSVOA_V

ClientSampleId :

BHDW4

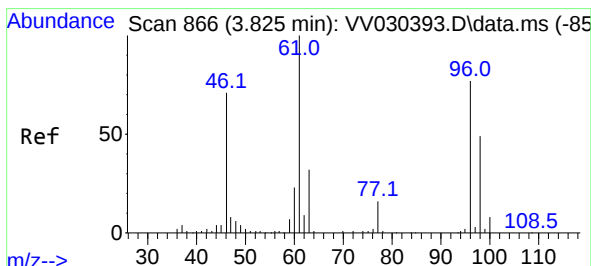
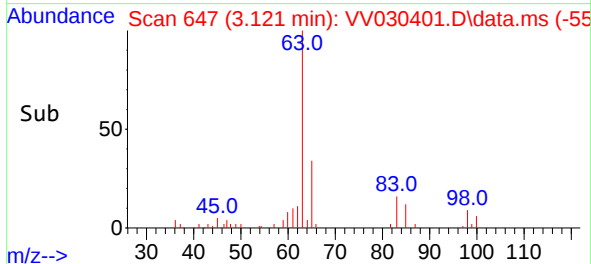
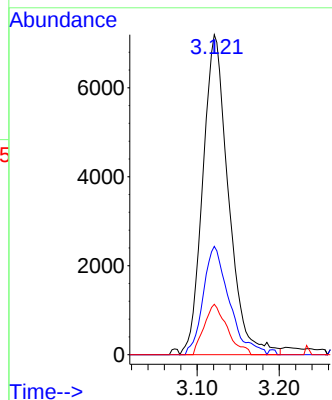
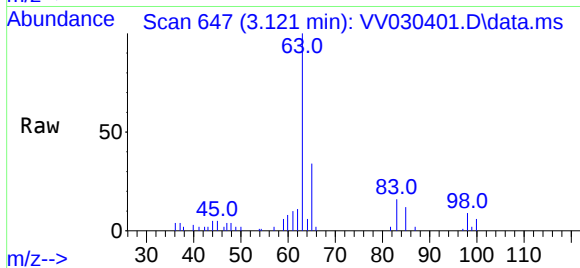
Tgt Ion: 63 Resp: 15634

Ion Ratio Lower Upper

63 100

65 33.9 21.7 40.3

83 15.7 9.1 16.9



#22

cis-1,2-Dichloroethene

Concen: 1.771 ug/L

RT: 3.828 min Scan# 867

Delta R.T. 0.003 min

Lab File: VV030401.D

Acq: 05 Apr 2023 15:19

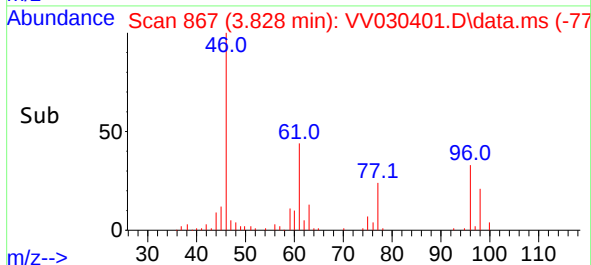
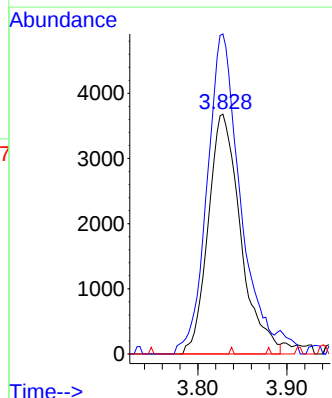
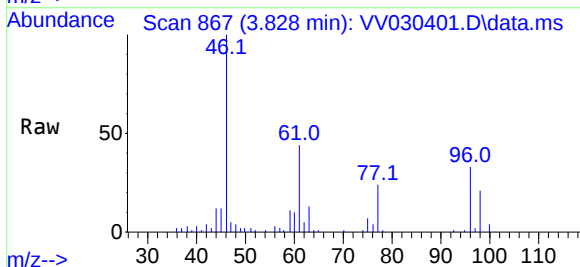
Tgt Ion: 96 Resp: 9290

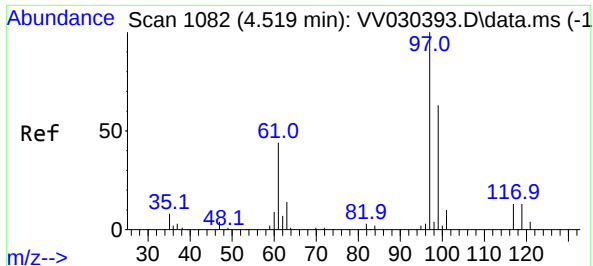
Ion Ratio Lower Upper

96 100

61 133.4 92.0 170.8

68 0.0 0.0 0.0





#29

1,1,1-Trichloroethane

Concen: 0.720 ug/L

RT: 4.523 min Scan# 1083

Delta R.T. -0.000 min

Lab File: VV030401.D

Acq: 05 Apr 2023 15:19

Instrument :

MSVOA_V

ClientSampleId :

BHDW4

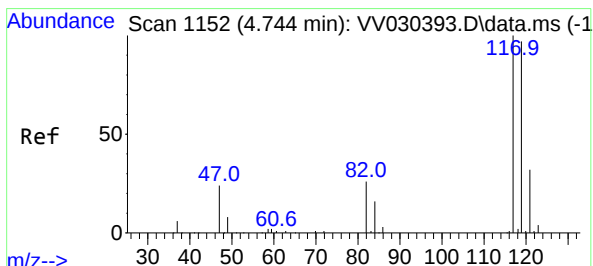
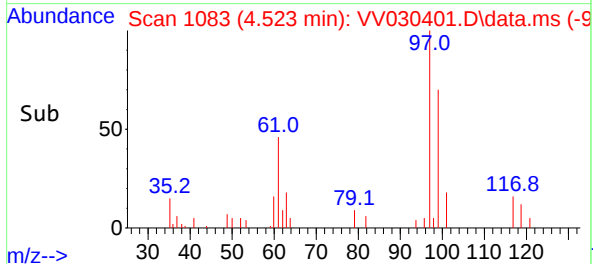
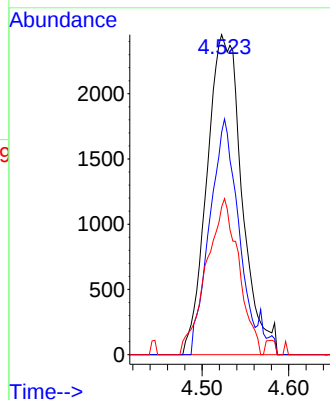
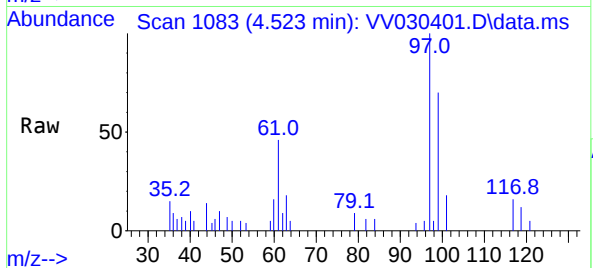
Tgt Ion: 97 Resp: 6876

Ion Ratio Lower Upper

97 100

99 60.0 50.9 76.3

61 45.2 35.9 53.9



#31

Carbon tetrachloride

Concen: 0.106 ug/L

RT: 4.523 min Scan# 1083

Delta R.T. -0.222 min

Lab File: VV030401.D

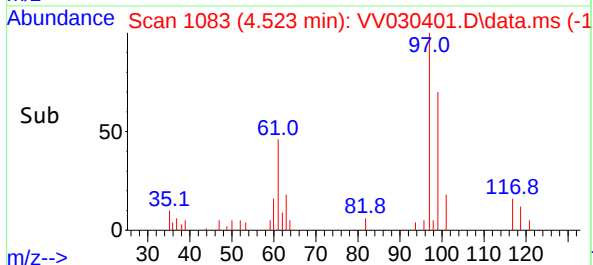
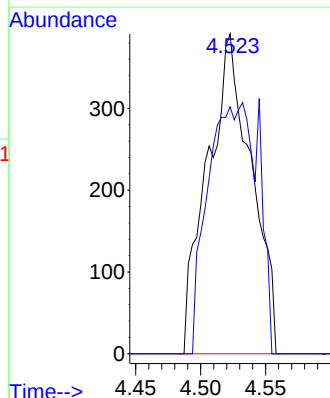
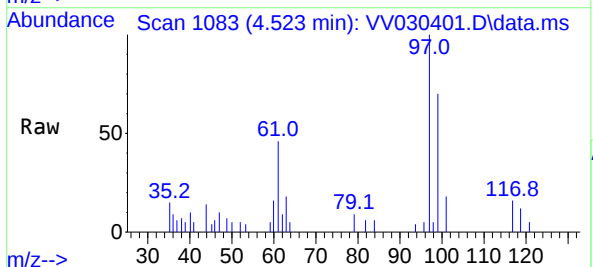
Acq: 05 Apr 2023 15:19

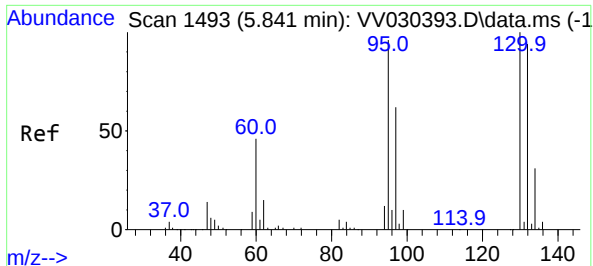
Tgt Ion: 117 Resp: 917

Ion Ratio Lower Upper

117 100

119 49.7 76.2 114.4#



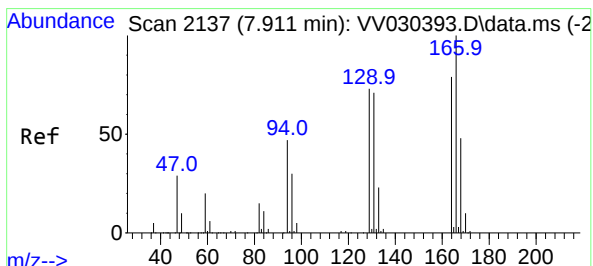
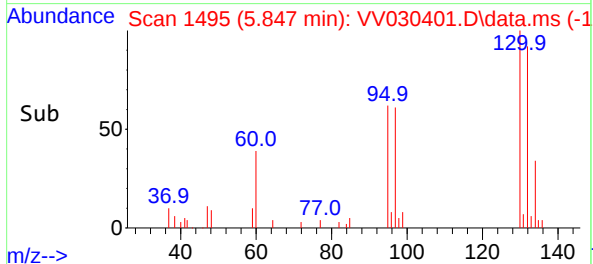
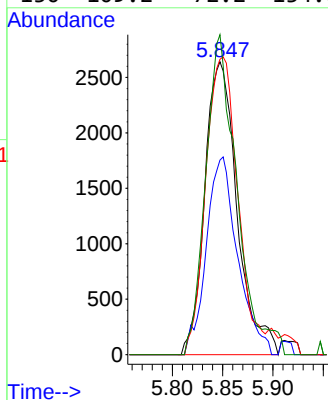
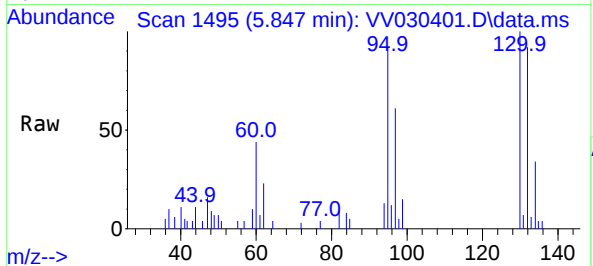


#34
Trichloroethene
Concen: 1.035 ug/L
RT: 5.847 min Scan# 1493
Delta R.T. 0.006 min
Lab File: VV030401.D
Acq: 05 Apr 2023 15:19

Instrument :
MSVOA_V
ClientSampleId :
BHDW4

Tgt Ion: 95 Resp: 5891

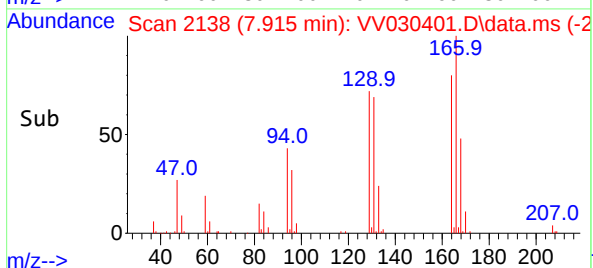
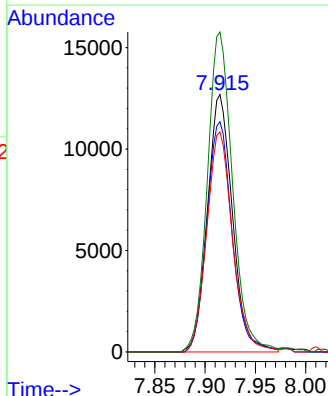
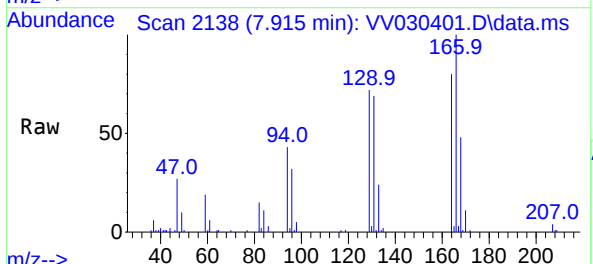
Ion	Ratio	Lower	Upper
95	100		
97	66.4	44.2	82.2
132	100.8	69.5	129.1
130	109.2	72.2	134.0

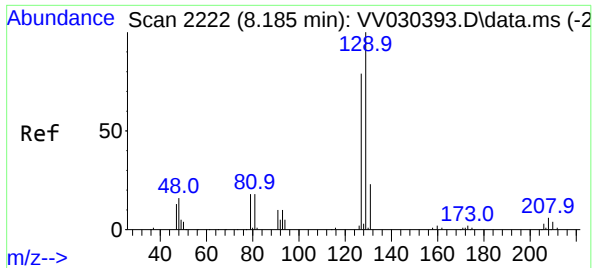


#47
Tetrachloroethene
Concen: 4.396 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VV030401.D
Acq: 05 Apr 2023 15:19

Tgt Ion: 164 Resp: 22078

Ion	Ratio	Lower	Upper
164	100		
129	89.4	60.8	112.8
131	85.5	61.7	114.7
166	124.3	85.6	159.0





#49
Dibromochloromethane
Concen: 4.088 ug/L
RT: 7.915 min Scan# 21
Delta R.T. -0.270 min
Lab File: VV030401.D
Acq: 05 Apr 2023 15:19

Instrument :
MSVOA_V
ClientSampleId :
BHDW4

Tgt Ion:129 Resp: 18560
Ion Ratio Lower Upper
129 100
127 0.0 52.7 97.9#

