

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW091123\
 Data File : VW032020.D
 Acq On : 11 Sep 2023 12:43
 Operator : SY/MD
 Sample : 04307-19
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH4J2

Quant Time: Sep 12 05:59:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR082323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Sep 09 21:51:31 2023
 Response via : Initial Calibration

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

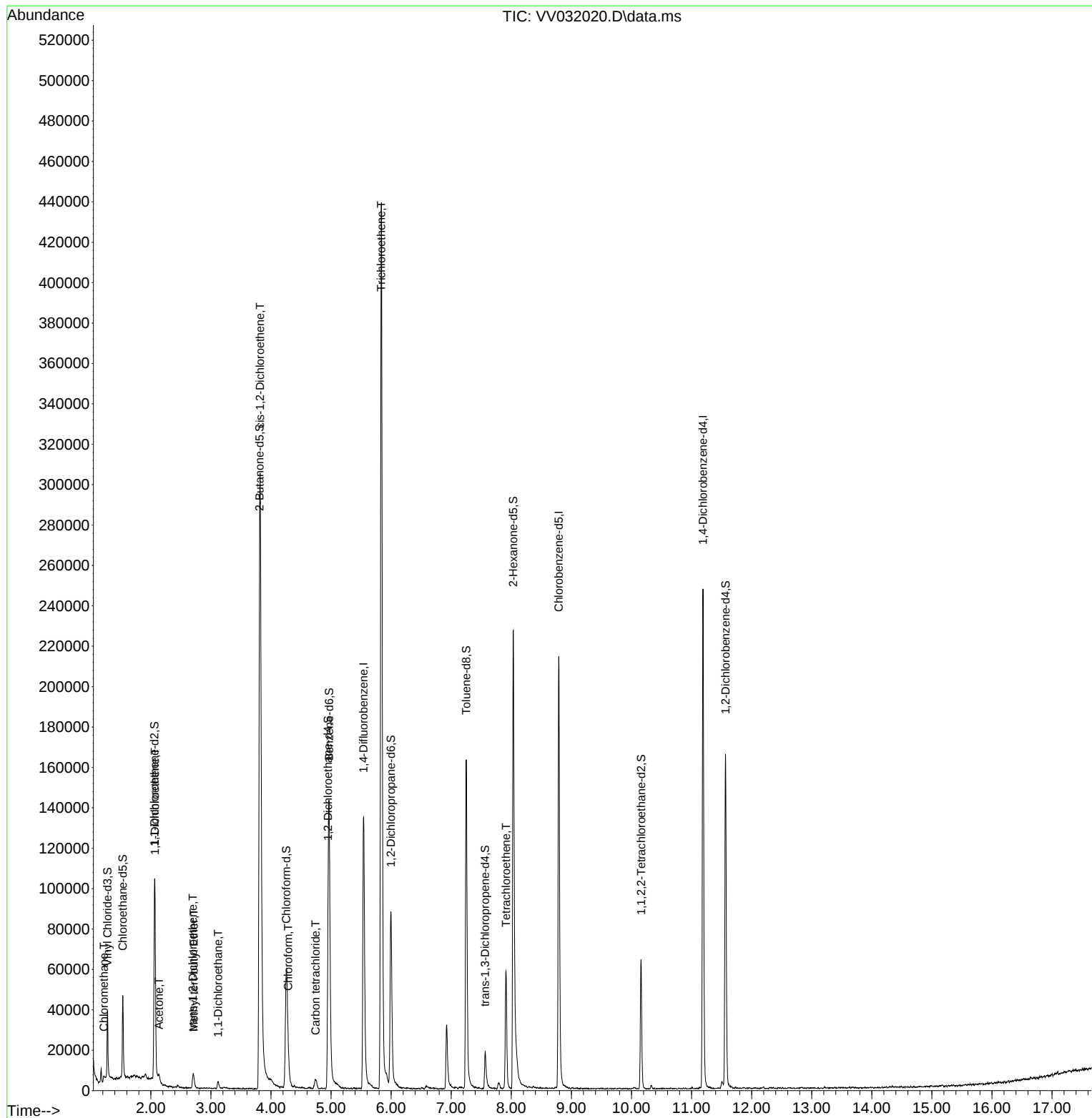
Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	117307	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	115905	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	62074	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	21094	5.324	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.400%
7) Chloroethane-d5	1.532	69	25882	5.703	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	114.000%
11) 1,1-Dichloroethene-d2	2.060	65	12348	5.295	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	106.000%
20) 2-Butanone-d5	3.809	46	113389	59.121	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.240%
24) Chloroform-d	4.256	84	64841	4.836	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.800%
26) 1,2-Dichloroethane-d4	4.950	65	33795	4.891	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.800%
32) Benzene-d6	4.966	84	129735	4.919	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.400%
36) 1,2-Dichloropropane-d6	5.995	67	45844	4.929	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.600%
41) Toluene-d8	7.249	98	111881	4.571	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.400%
43) trans-1,3-Dichloroprop...	7.564	79	12661	3.733	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.600%
46) 2-Hexanone-d5	8.030	63	85572	47.325	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.640%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	32091	4.809	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.200%
66) 1,2-Dichlorobenzene-d4	11.567	152	41397	4.118	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.400%
Target Compounds						
3) Chloromethane	1.217	50	1261	0.176	ug/L	95
12) 1,1-Dichloroethene	2.069	96	13512	2.559	ug/L #	57
13) Acetone	2.137	43	2577	2.280	ug/L	93
17) Methyl tert-butyl Ether	2.716	73	3768	0.230	ug/L #	78
18) trans-1,2-Dichloroethene	2.699	96	1600	0.267	ug/L	90
19) 1,1-Dichloroethane	3.121	63	3710	0.301	ug/L	95
22) cis-1,2-Dichloroethene	3.818	96	143302	20.782	ug/L	97
25) Chloroform	4.285	83	8898	0.708	ug/L	97
31) Carbon tetrachloride	4.741	117	3479	0.384	ug/L	99
34) Trichloroethene	5.834	95	163112	20.903	ug/L	97
47) Tetrachloroethene	7.911	164	12856	2.579	ug/L	95

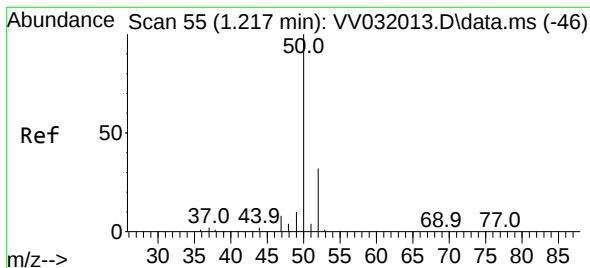
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.176 ug/L

RT: 1.217 min Scan# 50

Delta R.T. 0.000 min

Lab File: VV032020.D

Acq: 11 Sep 2023 12:43

Instrument :

MSVOA_V

ClientSampleId :

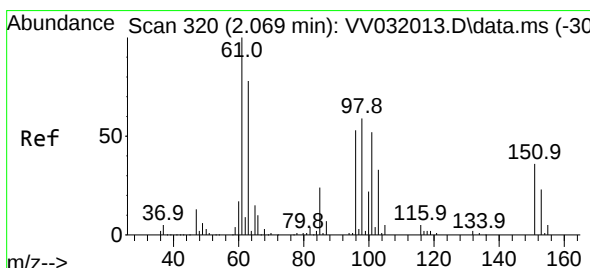
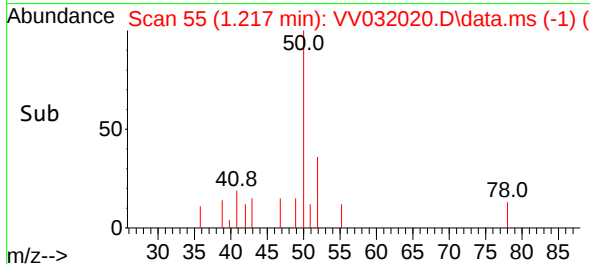
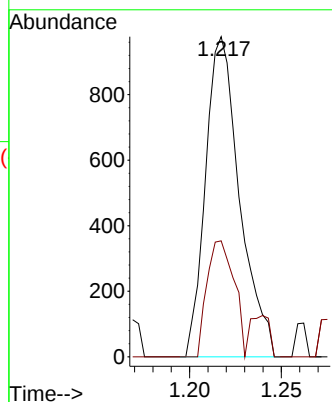
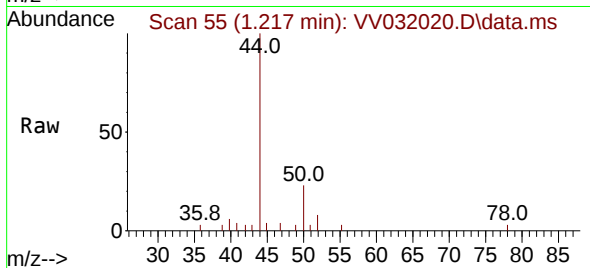
BH4J2

Tgt Ion: 50 Resp: 1261

Ion Ratio Lower Upper

50 100

52 36.2 23.3 43.3



#12

1,1-Dichloroethene

Concen: 2.559 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV032020.D

Acq: 11 Sep 2023 12:43

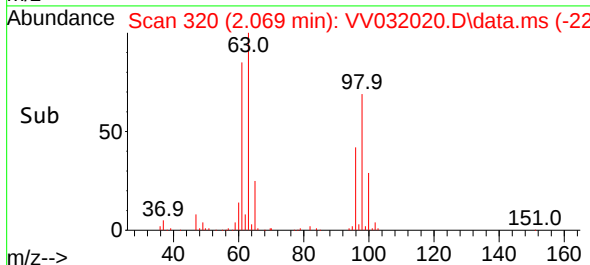
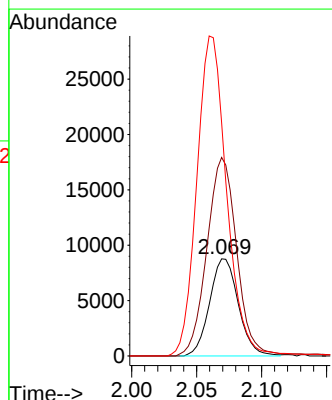
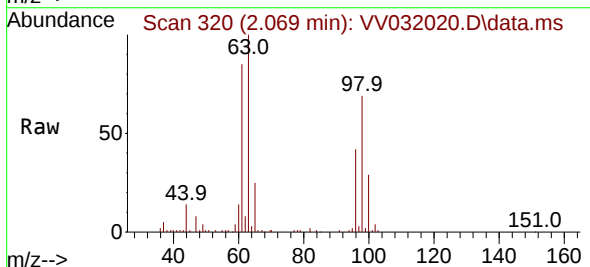
Tgt Ion: 96 Resp: 13512

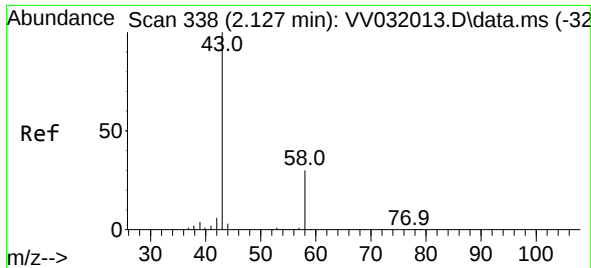
Ion Ratio Lower Upper

96 100

61 204.5 129.0 239.6

63 239.9 99.0 183.8#





#13

Acetone

Concen: 2.280 ug/L

RT: 2.137 min Scan# 341

Delta R.T. 0.010 min

Lab File: VV032020.D

Acq: 11 Sep 2023 12:43

Instrument :

MSVOA_V

ClientSampleId :

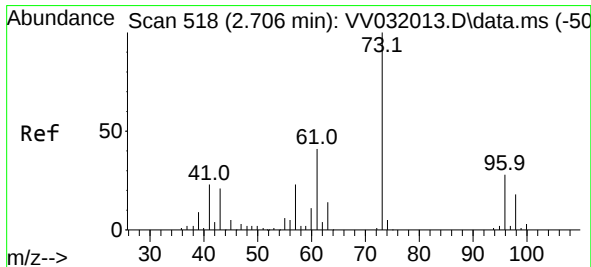
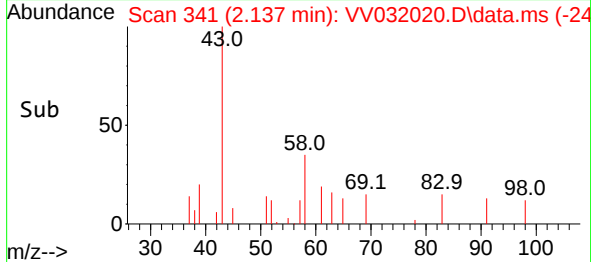
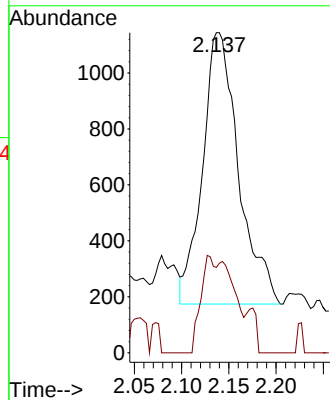
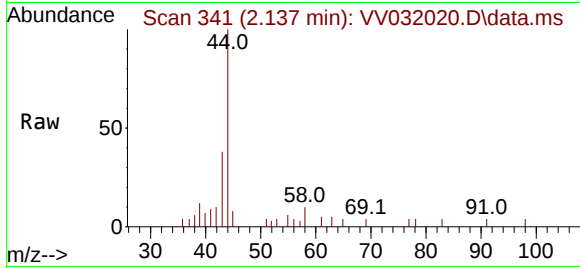
BH4J2

Tgt Ion: 43 Resp: 2577

Ion Ratio Lower Upper

43 100

58 15.2 0.0 37.0



#17

Methyl tert-butyl Ether

Concen: 0.230 ug/L

RT: 2.716 min Scan# 521

Delta R.T. 0.010 min

Lab File: VV032020.D

Acq: 11 Sep 2023 12:43

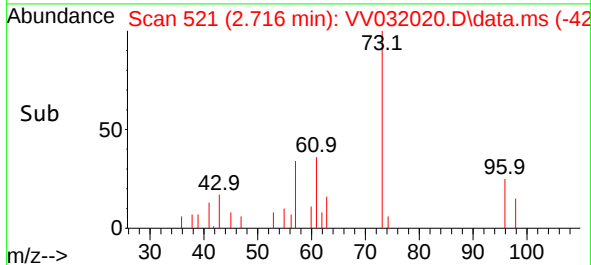
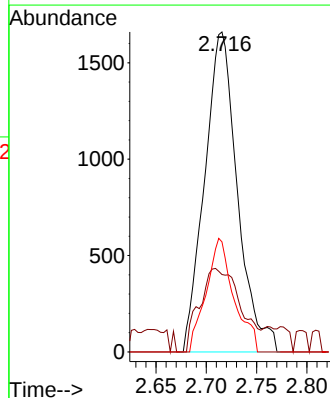
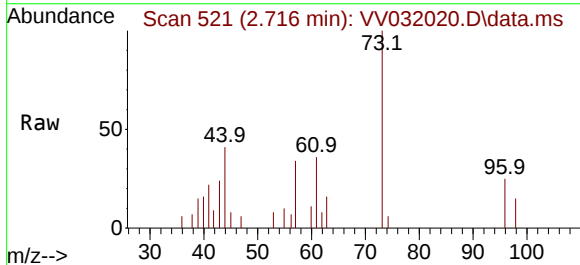
Tgt Ion: 73 Resp: 3768

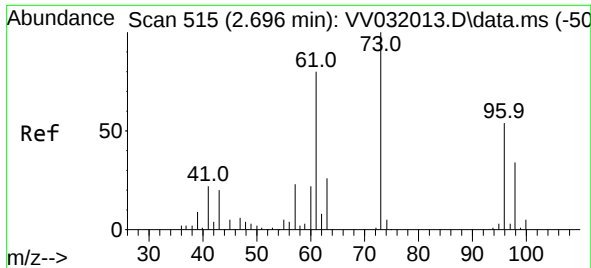
Ion Ratio Lower Upper

73 100

43 32.8 15.6 23.4#

57 30.1 17.8 26.8#

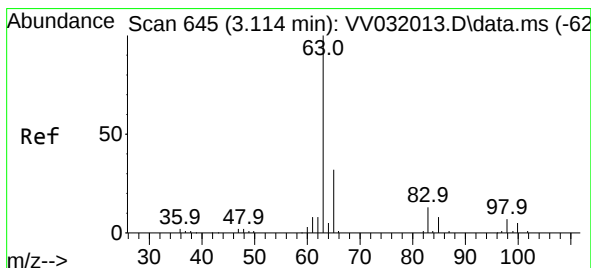
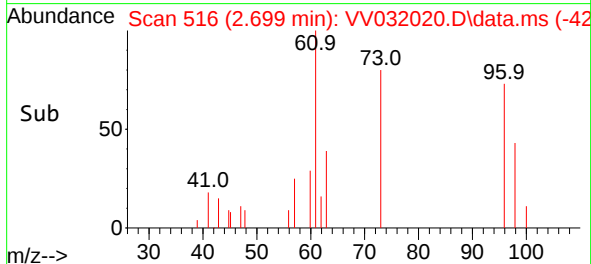
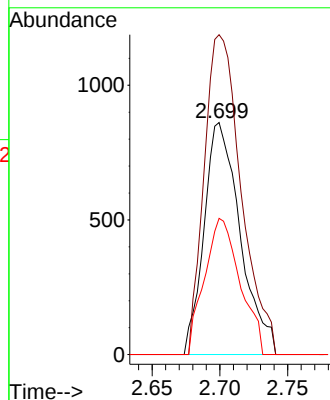
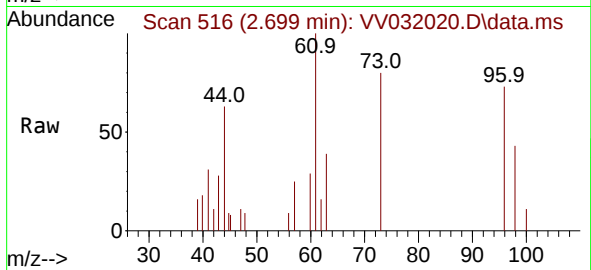




#18
trans-1,2-Dichloroethene
Concen: 0.267 ug/L
RT: 2.699 min Scan# 516
Delta R.T. 0.003 min
Lab File: VV032020.D
Acq: 11 Sep 2023 12:43

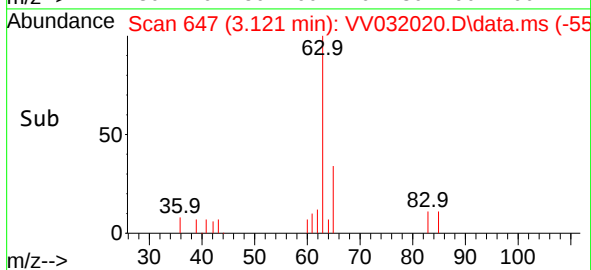
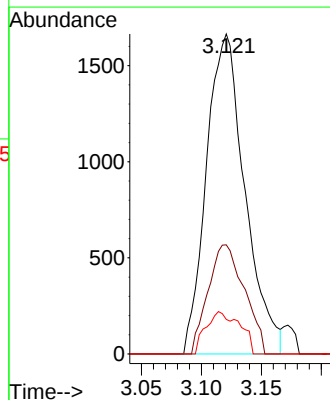
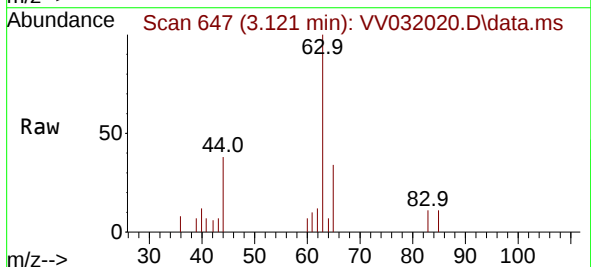
Instrument :
MSVOA_V
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BH4J2

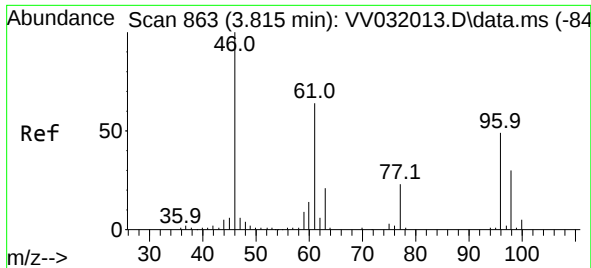
Tgt Ion: 96 Resp: 1600
Ion Ratio Lower Upper
96 100
61 137.8 106.8 198.4
98 58.7 44.9 83.3



#19
1,1-Dichloroethane
Concen: 0.301 ug/L
RT: 3.121 min Scan# 647
Delta R.T. 0.007 min
Lab File: VV032020.D
Acq: 11 Sep 2023 12:43

Tgt Ion: 63 Resp: 3710
Ion Ratio Lower Upper
63 100
65 34.1 21.9 40.7
83 10.8 9.2 17.2

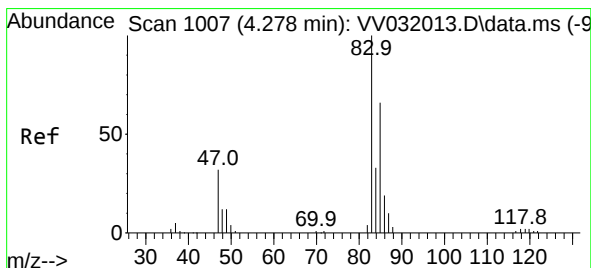
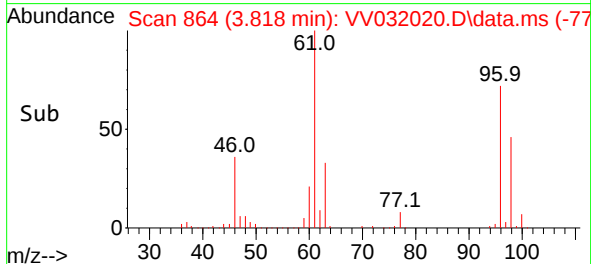
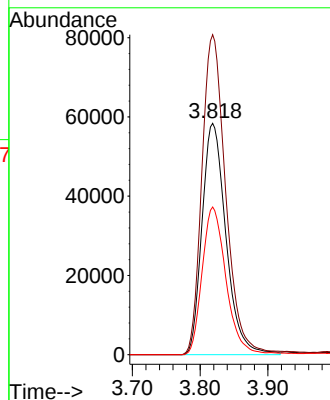
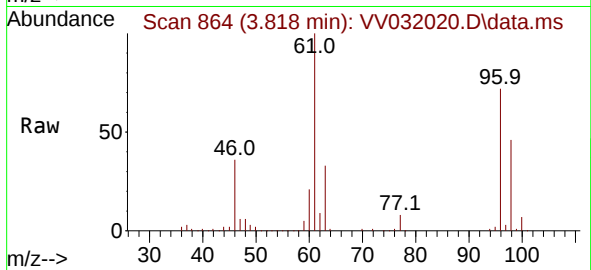




#22
 cis-1,2-Dichloroethene
 Concen: 20.782 ug/L
 RT: 3.818 min Scan# 80
 Delta R.T. 0.003 min
 Lab File: VV032020.D
 Acq: 11 Sep 2023 12:43

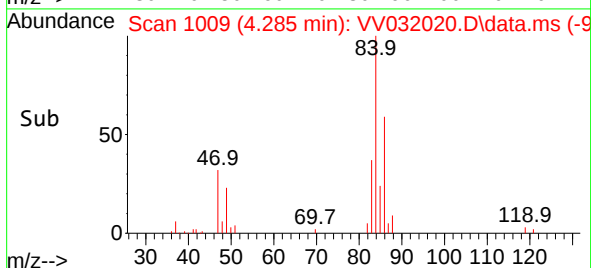
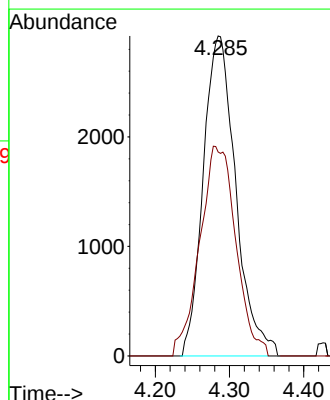
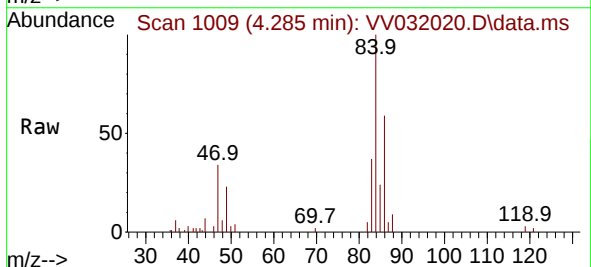
Instrument :
 MSVOA_V
 ClientSampleId :
 BH4J2

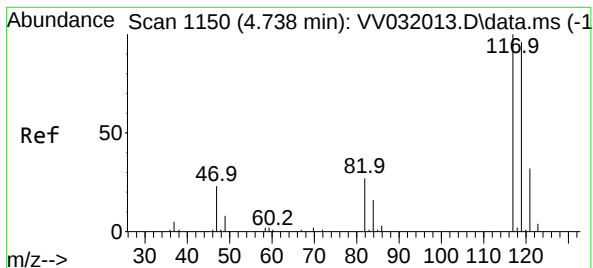
Tgt Ion: 96 Resp: 143302
 Ion Ratio Lower Upper
 96 100
 61 138.3 94.1 174.8
 98 63.8 43.8 81.4



#25
 Chloroform
 Concen: 0.708 ug/L
 RT: 4.285 min Scan# 1009
 Delta R.T. 0.007 min
 Lab File: VV032020.D
 Acq: 11 Sep 2023 12:43

Tgt Ion: 83 Resp: 8898
 Ion Ratio Lower Upper
 83 100
 85 63.7 46.4 86.2





#31

Carbon tetrachloride

Concen: 0.384 ug/L

RT: 4.741 min Scan# 1151

Delta R.T. 0.003 min

Lab File: VV032020.D

Acq: 11 Sep 2023 12:43

Instrument :

MSVOA_V

ClientSampleId :

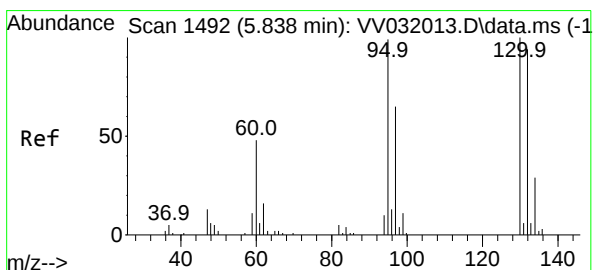
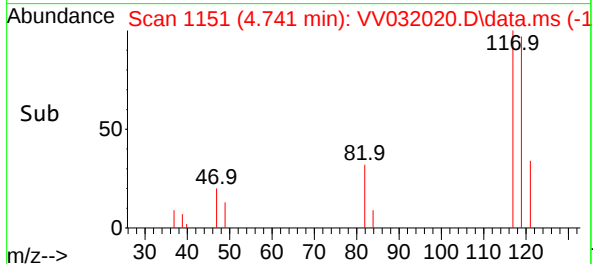
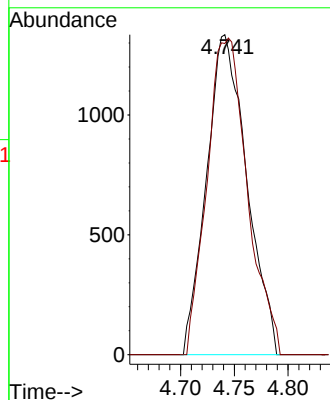
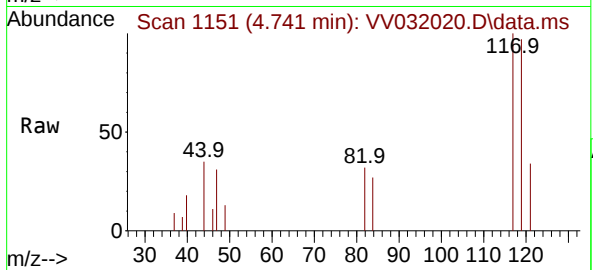
BH4J2

Tgt Ion:117 Resp: 3479

Ion Ratio Lower Upper

117 100

119 99.0 78.4 117.6



#34

Trichloroethene

Concen: 20.903 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. -0.003 min

Lab File: VV032020.D

Acq: 11 Sep 2023 12:43

Tgt Ion: 95 Resp: 163112

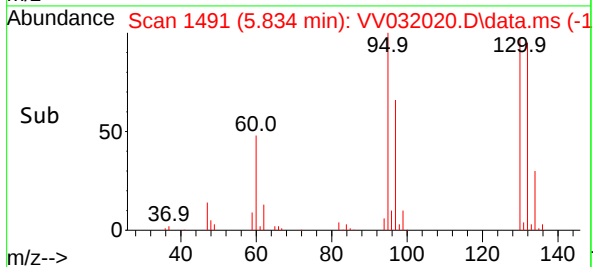
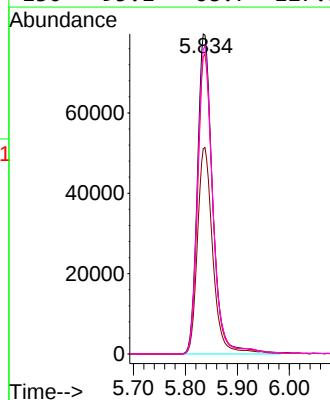
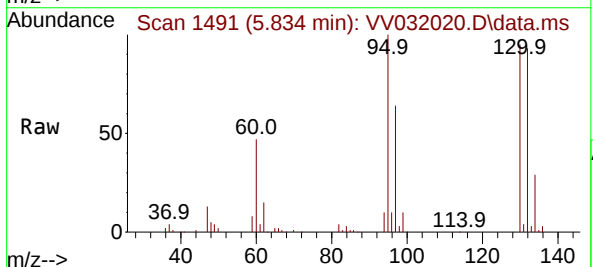
Ion Ratio Lower Upper

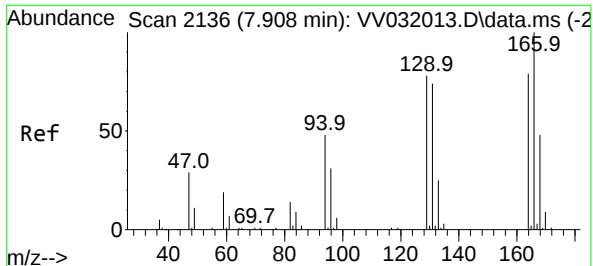
95 100

97 64.2 47.7 88.7

132 92.8 63.8 118.4

130 95.1 68.7 127.5





#47
 Tetrachloroethene
 Concen: 2.579 ug/L
 RT: 7.911 min Scan# 2137
 Delta R.T. 0.003 min
 Lab File: VV032020.D
 Acq: 11 Sep 2023 12:43

Instrument :
 MSVOA_V
 ClientSampleId :
 BH4J2

Tgt Ion:164	Resp:	12856
Ion	Ratio	Lower Upper
164	100	
129	104.4	70.6 131.2
131	101.1	64.6 120.0
166	130.1	88.3 164.1

