

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW091123\
 Data File : VW032026.D
 Acq On : 11 Sep 2023 15:07
 Operator : SY/MD
 Sample : 04307-20
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH4J3

Quant Time: Sep 12 06:00:34 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)

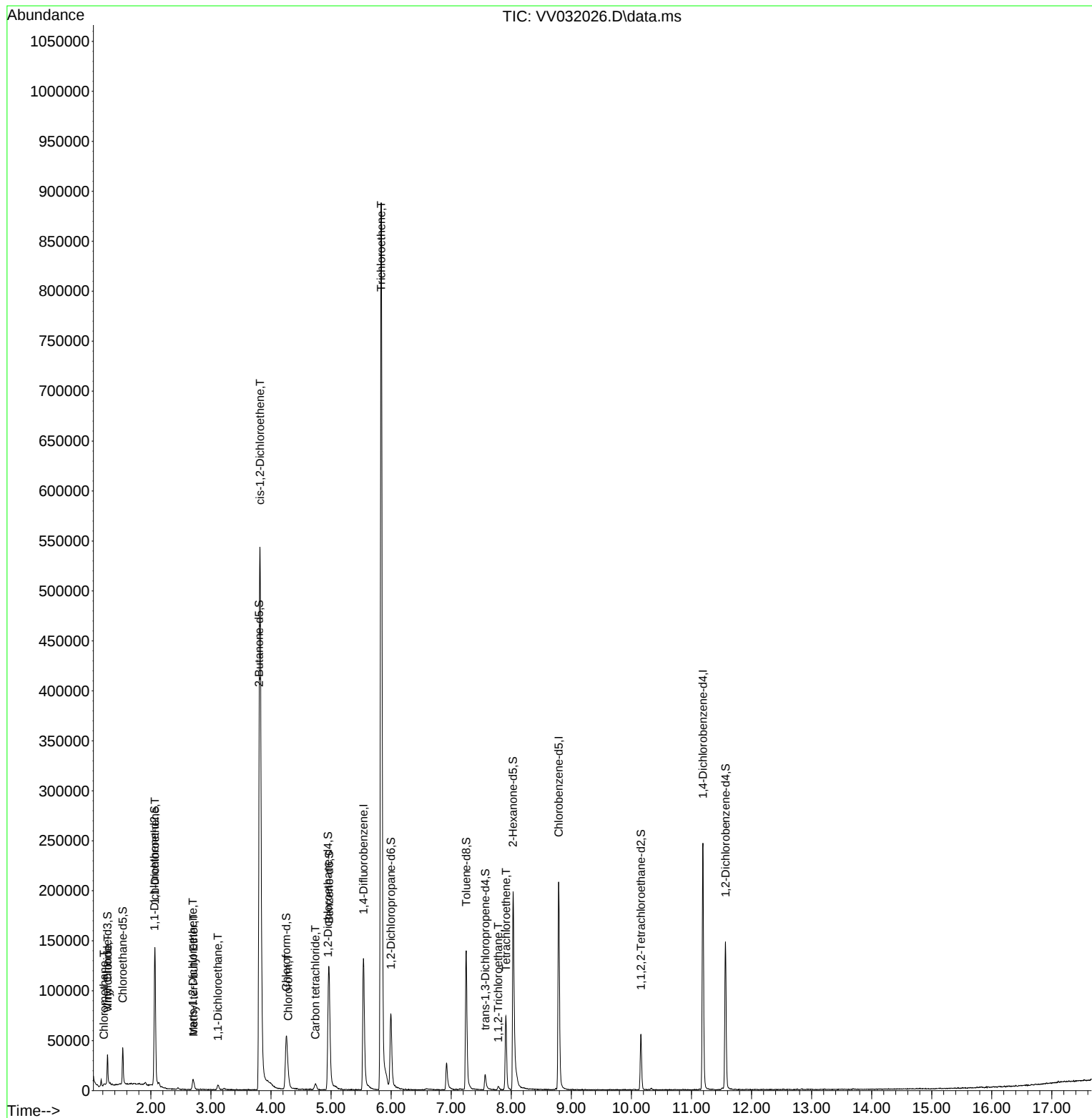
Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	114749	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	114689	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	61540	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	18858	4.866	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.400%
7) Chloroethane-d5	1.532	69	23311	5.251	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.000%
11) 1,1-Dichloroethene-d2	2.060	65	10467	4.589	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.800%
20) 2-Butanone-d5	3.802	46	101450	54.075	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.160%
24) Chloroform-d	4.256	84	55464	4.229	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.600%
26) 1,2-Dichloroethane-d4	4.950	65	29554	4.373	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.400%
32) Benzene-d6	4.966	84	112042	4.293	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.800%
36) 1,2-Dichloropropane-d6	5.995	67	40225	4.371	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.400%
41) Toluene-d8	7.249	98	95457	3.942	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.800%
43) trans-1,3-Dichloroprop...	7.567	79	10022	2.986	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	59.800%
46) 2-Hexanone-d5	8.030	63	74887	41.855	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.700%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	28615	4.334	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.600%
66) 1,2-Dichlorobenzene-d4	11.567	152	37101	3.723	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	74.400%#
Target Compounds						Qvalue
3) Chloromethane	1.220	50	994	0.142	ug/L	97
5) Vinyl chloride	1.281	62	836	0.116	ug/L #	58
12) 1,1-Dichloroethene	2.069	96	29342	5.680	ug/L	95
17) Methyl tert-butyl Ether	2.712	73	4859	0.303	ug/L #	83
18) trans-1,2-Dichloroethene	2.699	96	2393	0.409	ug/L	93
19) 1,1-Dichloroethane	3.117	63	5166	0.428	ug/L	98
22) cis-1,2-Dichloroethene	3.818	96	275969	40.914	ug/L	99
25) Chloroform	4.285	83	9259	0.753	ug/L	98
31) Carbon tetrachloride	4.738	117	4610	0.515	ug/L	94
34) Trichloroethene	5.834	95	330042	42.744	ug/L	98
45) 1,1,2-Trichloroethane	7.783	97	1076	0.207	ug/L	93
47) Tetrachloroethene	7.911	164	16576	3.360	ug/L	98

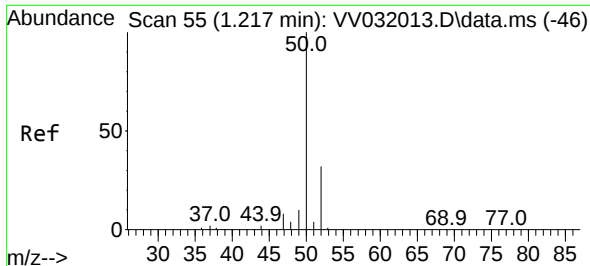
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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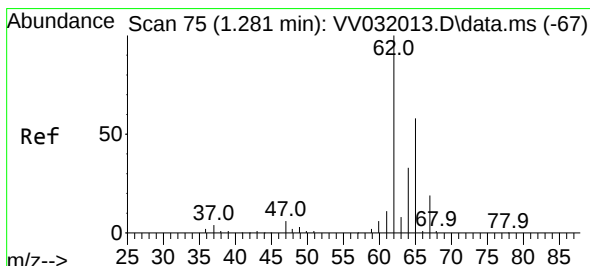
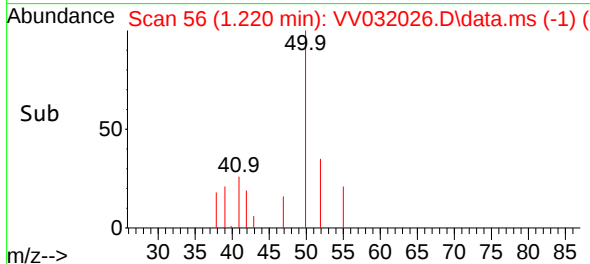
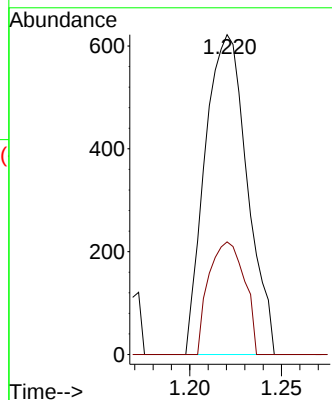
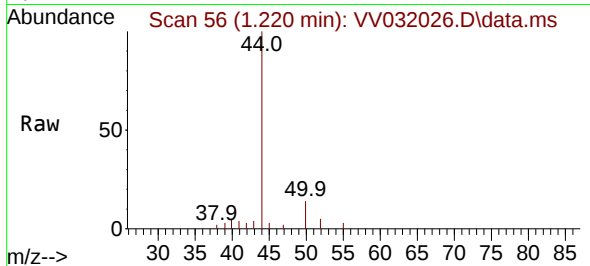




#3
Chloromethane
Concen: 0.142 ug/L
RT: 1.220 min Scan# 50
Delta R.T. 0.003 min
Lab File: VV032026.D
Acq: 11 Sep 2023 15:07

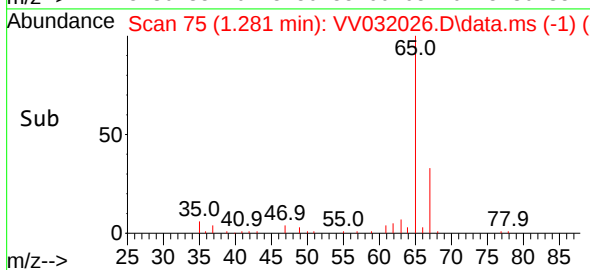
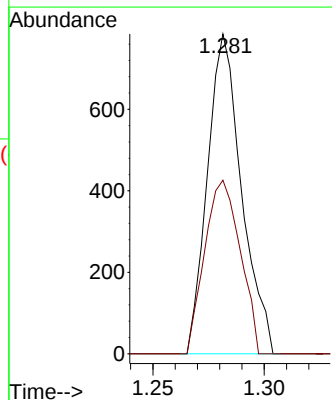
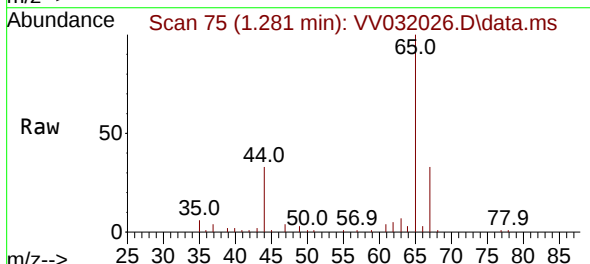
Instrument :
MSVOA_V
ClientSampleId :
BH4J3

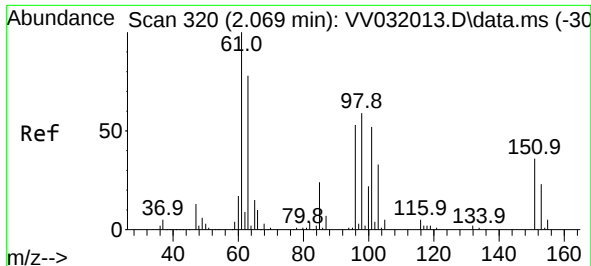
Tgt Ion: 50 Resp: 994
Ion Ratio Lower Upper
50 100
52 35.2 23.3 43.3



#5
Vinyl chloride
Concen: 0.116 ug/L
RT: 1.281 min Scan# 75
Delta R.T. 0.000 min
Lab File: VV032026.D
Acq: 11 Sep 2023 15:07

Tgt Ion: 62 Resp: 836
Ion Ratio Lower Upper
62 100
64 54.3 21.7 40.3#





#12

1,1-Dichloroethene

Concen: 5.680 ug/L

RT: 2.069 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV032026.D

Acq: 11 Sep 2023 15:07

Instrument :

MSVOA_V

ClientSampleId :

BH4J3

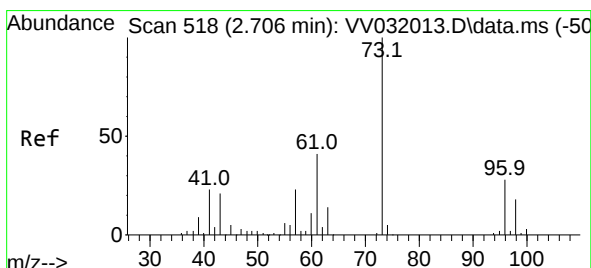
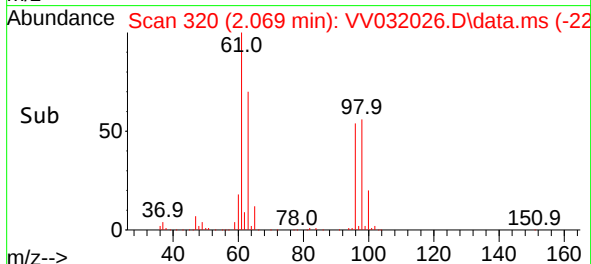
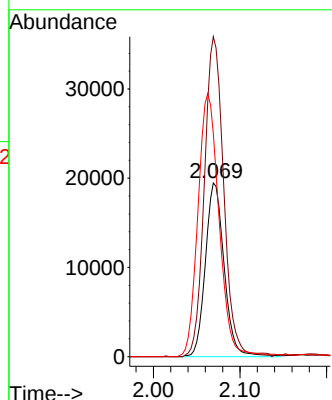
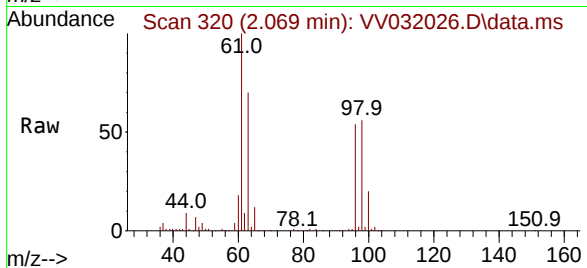
Tgt Ion: 96 Resp: 29342

Ion Ratio Lower Upper

96 100

61 184.2 129.0 239.6

63 128.5 99.0 183.8



#17

Methyl tert-butyl Ether

Concen: 0.303 ug/L

RT: 2.712 min Scan# 520

Delta R.T. 0.006 min

Lab File: VV032026.D

Acq: 11 Sep 2023 15:07

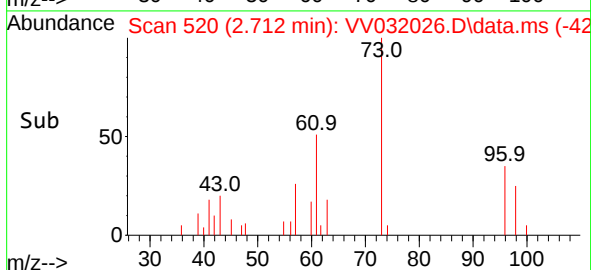
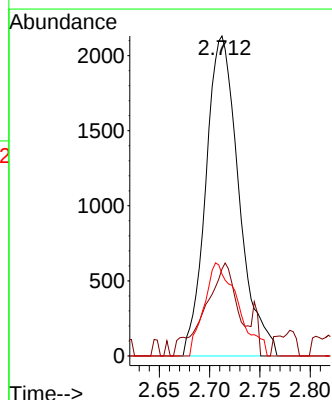
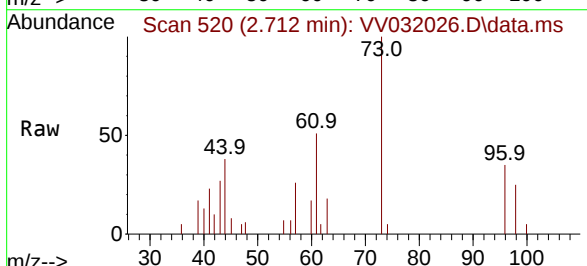
Tgt Ion: 73 Resp: 4859

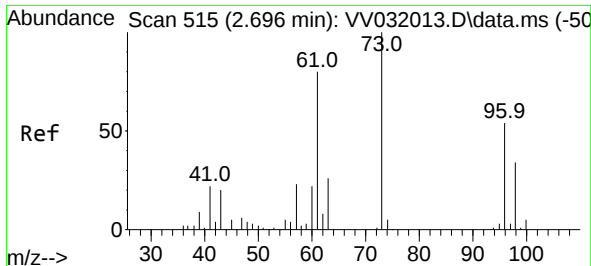
Ion Ratio Lower Upper

73 100

43 27.5 15.6 23.4#

57 29.9 17.8 26.8#

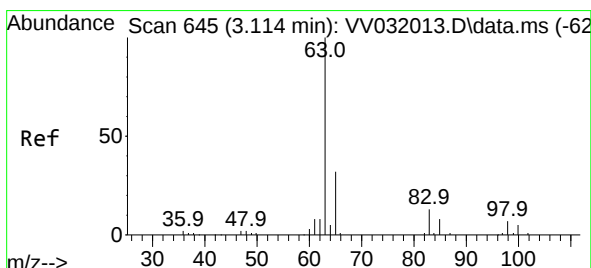
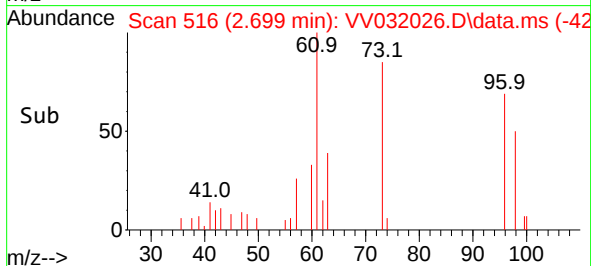
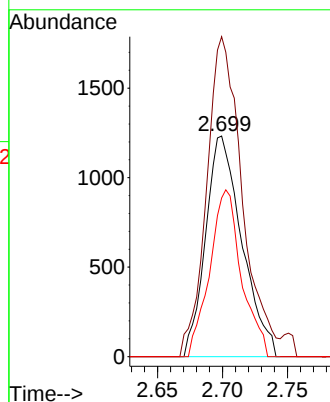
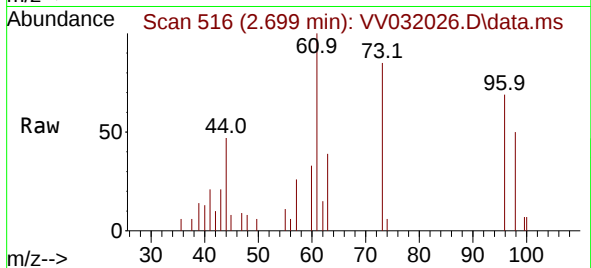




#18
trans-1,2-Dichloroethene
Concen: 0.409 ug/L
RT: 2.699 min Scan# 515
Delta R.T. 0.003 min
Lab File: VV032026.D
Acq: 11 Sep 2023 15:07

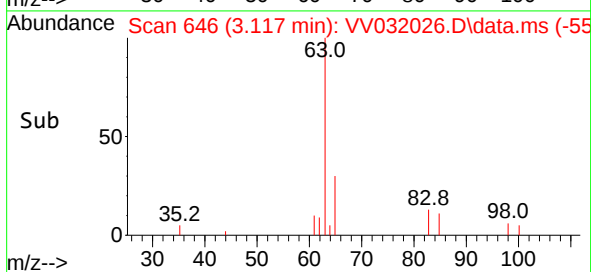
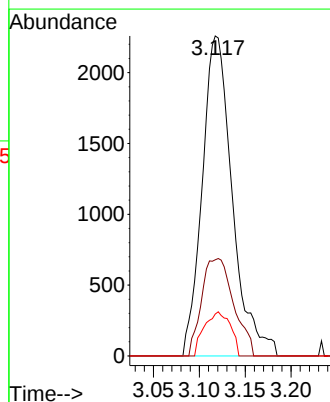
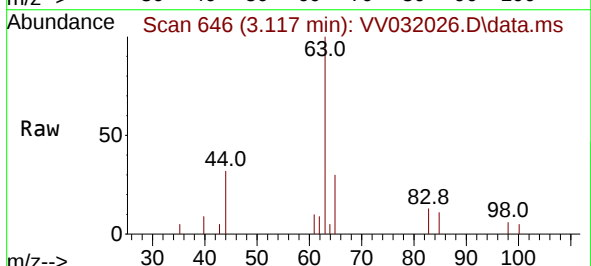
Instrument :
MSVOA_V
ClientSampleId :
BH4J3

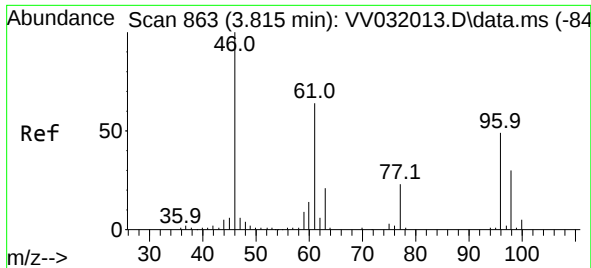
Tgt Ion: 96 Resp: 2393
Ion Ratio Lower Upper
96 100
61 145.0 106.8 198.4
98 71.9 44.9 83.3



#19
1,1-Dichloroethane
Concen: 0.428 ug/L
RT: 3.117 min Scan# 646
Delta R.T. 0.003 min
Lab File: VV032026.D
Acq: 11 Sep 2023 15:07

Tgt Ion: 63 Resp: 5166
Ion Ratio Lower Upper
63 100
65 30.1 21.9 40.7
83 13.1 9.2 17.2

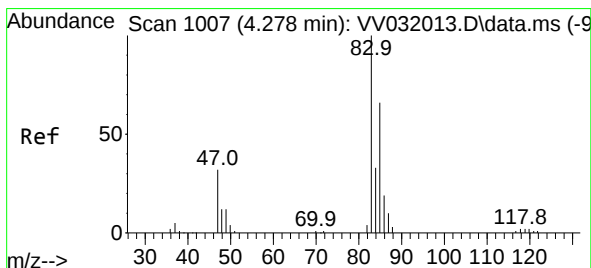
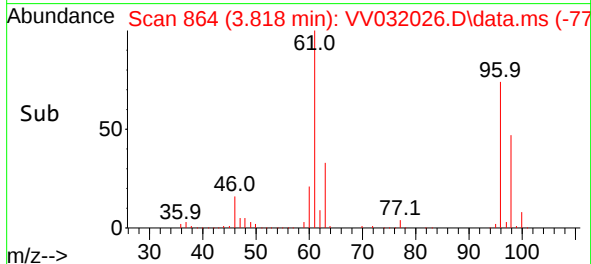
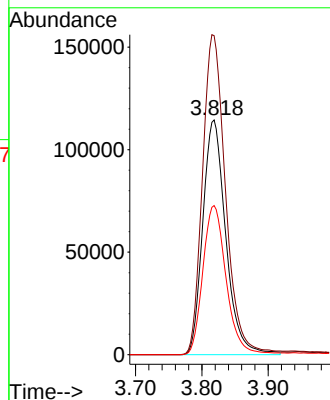
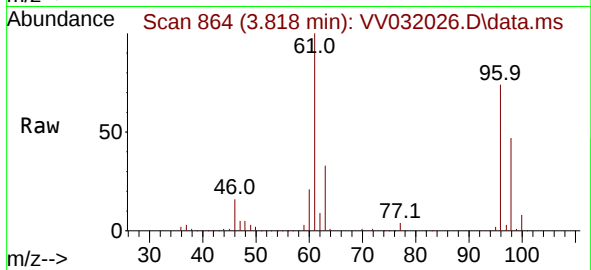




#22
cis-1,2-Dichloroethene
Concen: 40.914 ug/L
RT: 3.818 min Scan# 80
Delta R.T. 0.003 min
Lab File: VV032026.D
Acq: 11 Sep 2023 15:07

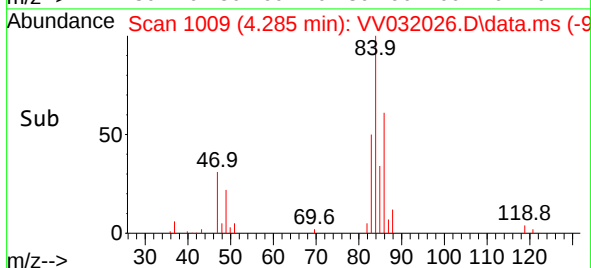
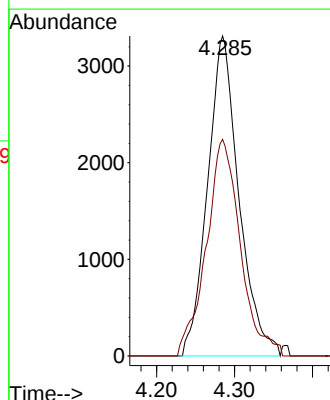
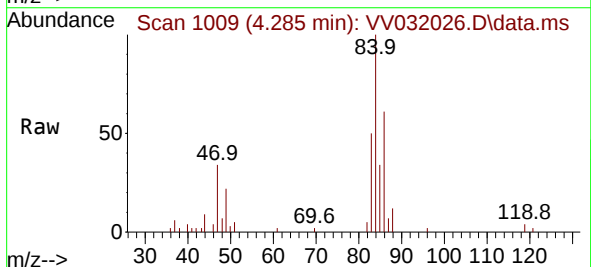
Instrument :
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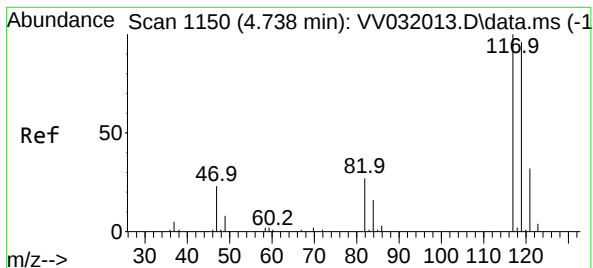
Tgt Ion: 96 Resp: 275969
Ion Ratio Lower Upper
96 100
61 136.0 94.1 174.8
98 63.6 43.8 81.4



#25
Chloroform
Concen: 0.753 ug/L
RT: 4.285 min Scan# 1009
Delta R.T. 0.006 min
Lab File: VV032026.D
Acq: 11 Sep 2023 15:07

Tgt Ion: 83 Resp: 9259
Ion Ratio Lower Upper
83 100
85 67.7 46.4 86.2





#31

Carbon tetrachloride

Concen: 0.515 ug/L

RT: 4.738 min Scan# 1150

Delta R.T. 0.000 min

Lab File: VV032026.D

Acq: 11 Sep 2023 15:07

Instrument :

MSVOA_V

ClientSampleId :

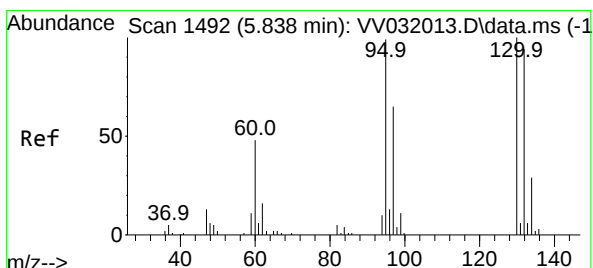
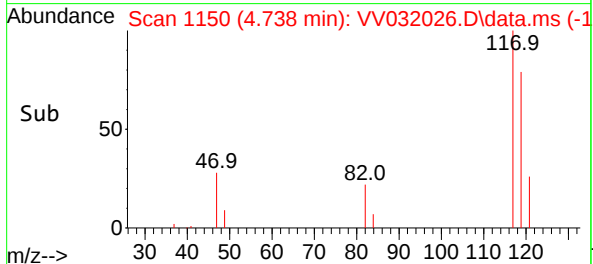
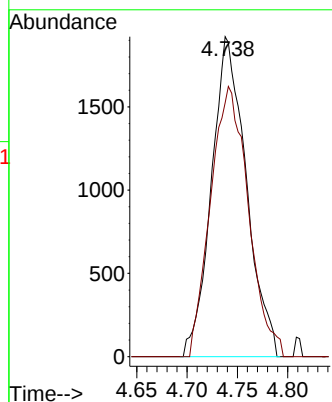
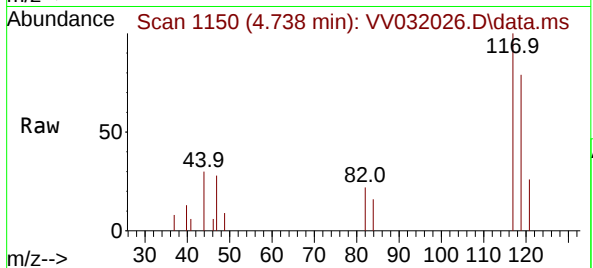
BH4J3

Tgt Ion:117 Resp: 4610

Ion Ratio Lower Upper

117 100

119 91.8 78.4 117.6



#34

Trichloroethene

Concen: 42.744 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. -0.003 min

Lab File: VV032026.D

Acq: 11 Sep 2023 15:07

Tgt Ion: 95 Resp: 330042

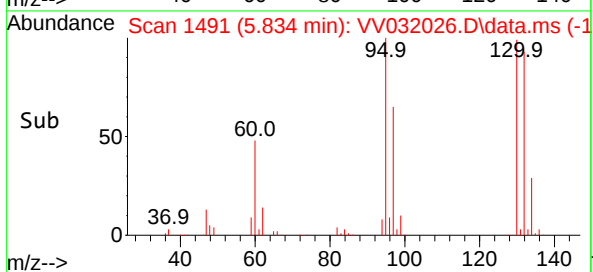
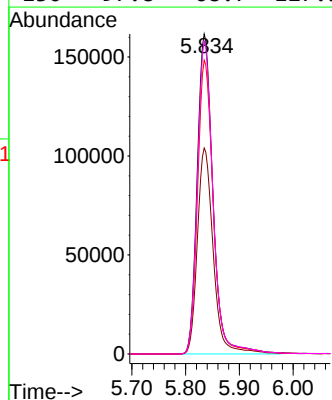
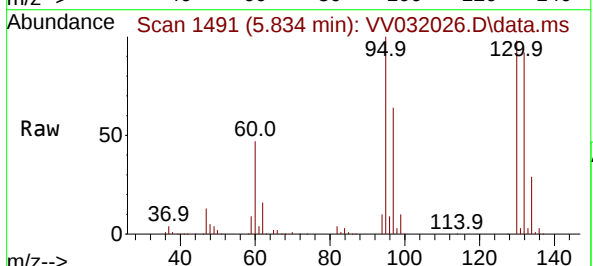
Ion Ratio Lower Upper

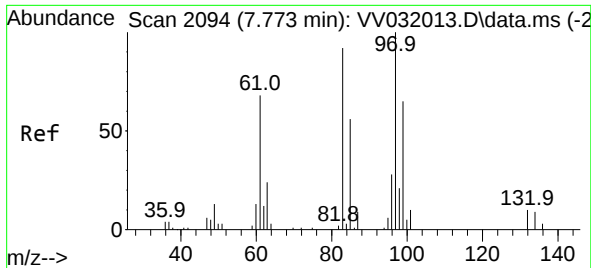
95 100

97 64.4 47.7 88.7

132 91.8 63.8 118.4

130 97.8 68.7 127.5



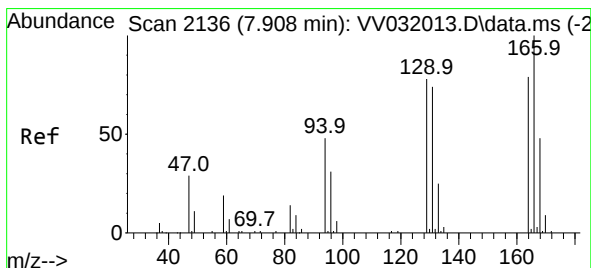
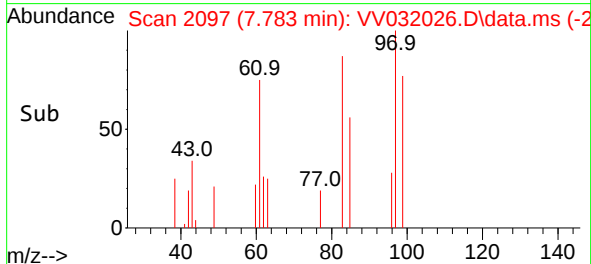
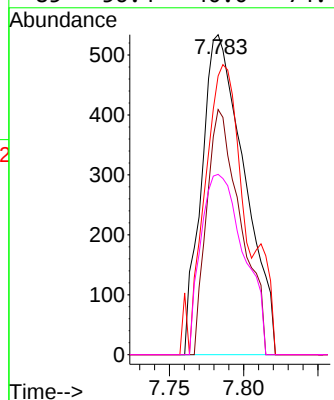
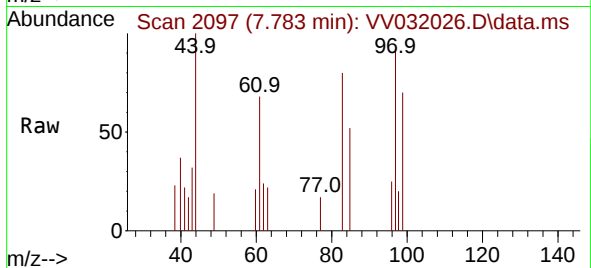


#45
1,1,2-Trichloroethane
Concen: 0.207 ug/L
RT: 7.783 min Scan# 2094
Delta R.T. 0.010 min
Lab File: VV032026.D
Acq: 11 Sep 2023 15:07

Instrument :
MSVOA_V
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Tgt Ion: 97 Resp: 1076

Ion	Ratio	Lower	Upper
97	100		
99	76.6	44.3	82.3
83	87.1	62.7	116.5
85	56.4	40.0	74.4



#47
Tetrachloroethene
Concen: 3.360 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. 0.003 min
Lab File: VV032026.D
Acq: 11 Sep 2023 15:07

Tgt Ion: 164 Resp: 16576

Ion	Ratio	Lower	Upper
164	100		
129	103.1	70.6	131.2
131	94.4	64.6	120.0
166	129.4	88.3	164.1

