

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV091123\
 Data File : VV032027.D
 Acq On : 11 Sep 2023 15:33
 Operator : SY/MD
 Sample : 04307-21
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH4J4

Quant Time: Sep 12 06:00:44 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)

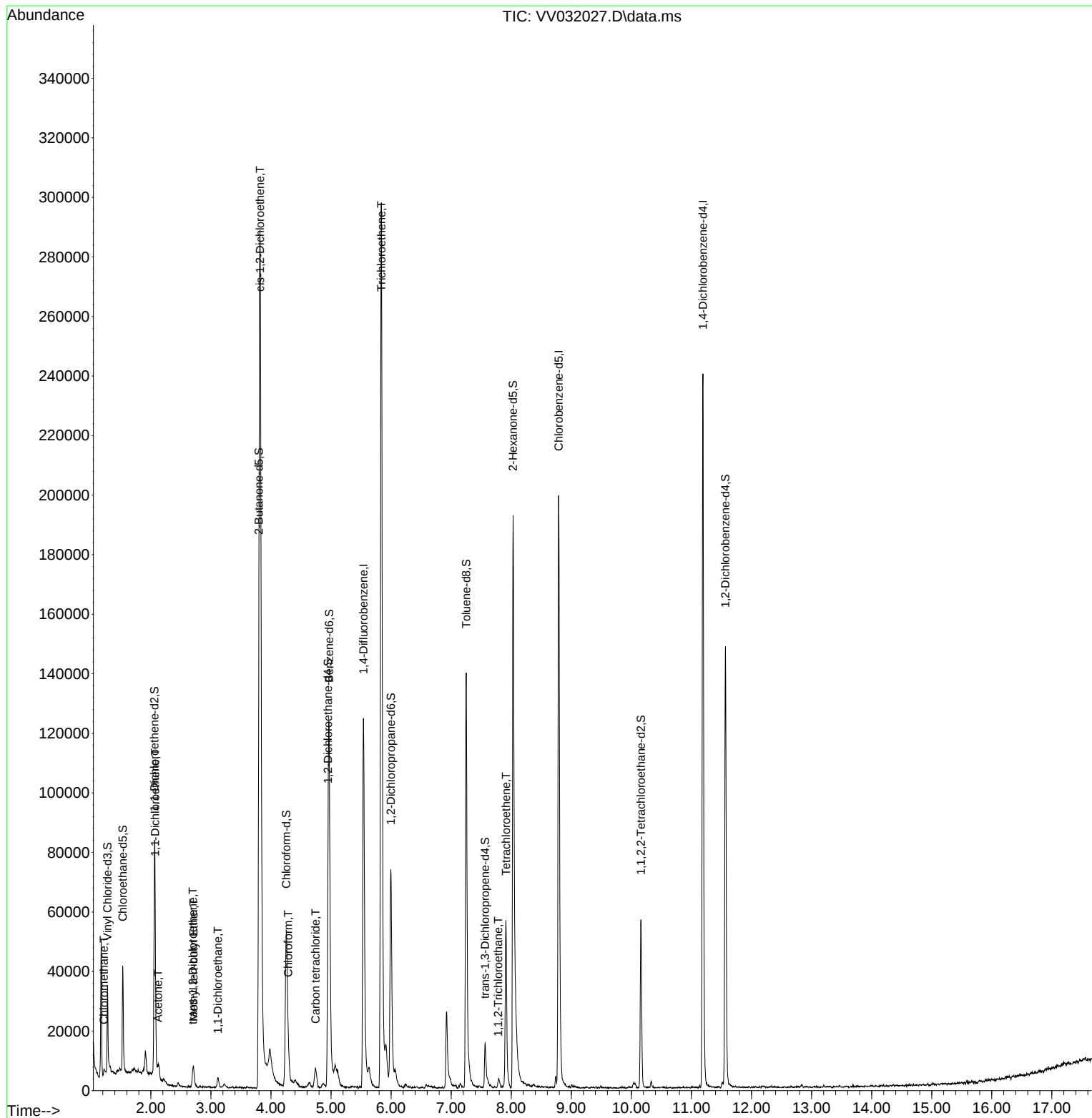
Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	107904	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	112978	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	59903	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	19123	5.247	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.000%
7) Chloroethane-d5	1.532	69	23372	5.598	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.000%
11) 1,1-Dichloroethene-d2	2.060	65	10504	4.897	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.000%
20) 2-Butanone-d5	3.799	46	88374	50.094	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.180%
24) Chloroform-d	4.256	84	55815	4.525	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.600%
26) 1,2-Dichloroethane-d4	4.950	65	28252	4.445	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.000%
32) Benzene-d6	4.966	84	111150	4.323	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.400%
36) 1,2-Dichloropropane-d6	5.995	67	37924	4.183	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.600%
41) Toluene-d8	7.249	98	99215	4.159	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.200%
43) trans-1,3-Dichloroprop...	7.564	79	10303	3.117	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	62.400%
46) 2-Hexanone-d5	8.031	63	74948	42.523	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.040%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	29068	4.469	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.400%
66) 1,2-Dichlorobenzene-d4	11.564	152	37173	3.832	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	76.600%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.220	50	1518	0.230	ug/L	100
12) 1,1-Dichloroethene	2.073	96	8979	1.848	ug/L #	62
13) Acetone	2.121	43	1795	1.727	ug/L	88
17) Methyl tert-butyl Ether	2.709	73	3722	0.247	ug/L #	83
18) trans-1,2-Dichloroethene	2.700	96	1512	0.275	ug/L	97
19) 1,1-Dichloroethane	3.118	63	3888	0.343	ug/L	96
22) cis-1,2-Dichloroethene	3.818	96	145605	22.956	ug/L	97
25) Chloroform	4.285	83	7673	0.664	ug/L	99
31) Carbon tetrachloride	4.741	117	5112	0.579	ug/L	93
34) Trichloroethene	5.838	95	108405	14.252	ug/L	98
45) 1,1,2-Trichloroethane	7.783	97	1008	0.196	ug/L	88
47) Tetrachloroethene	7.912	164	12815	2.637	ug/L	97

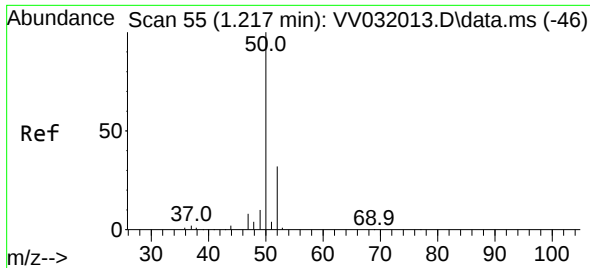
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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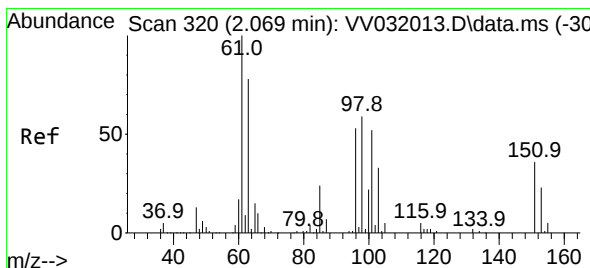
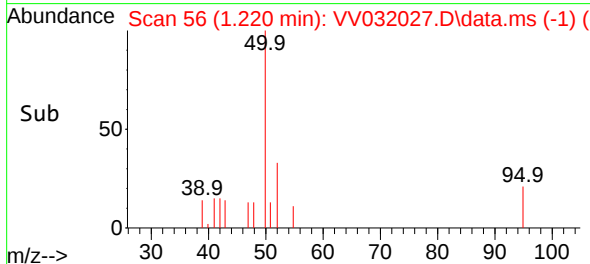
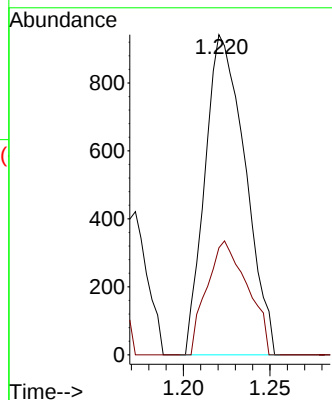
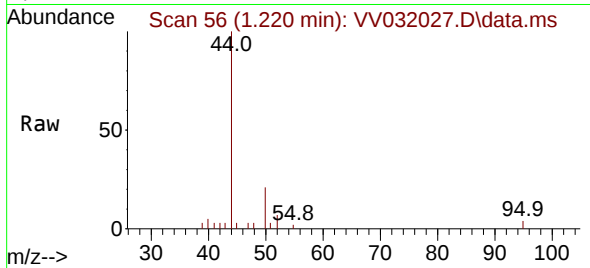




#3
Chloromethane
Concen: 0.230 ug/L
RT: 1.220 min Scan# 50
Delta R.T. 0.003 min
Lab File: VV032027.D
Acq: 11 Sep 2023 15:33

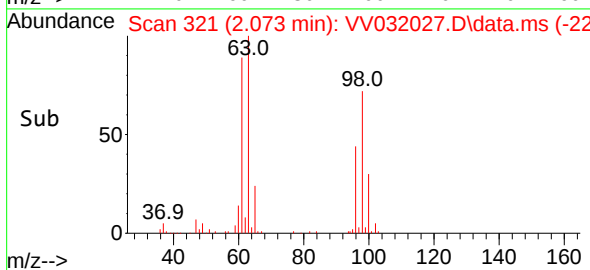
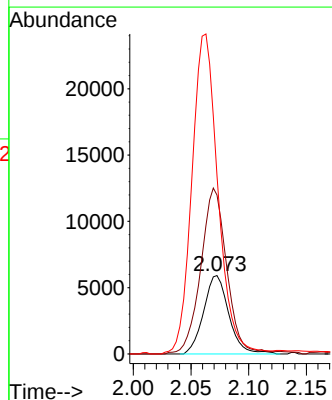
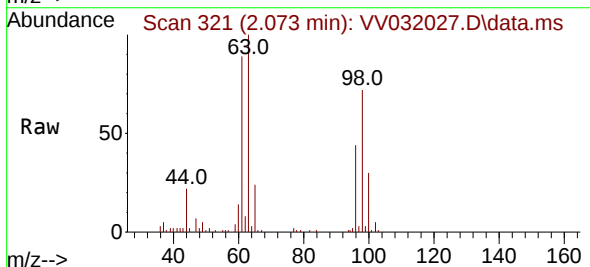
Instrument :
MSVOA_V
ClientSampleId :
BH4J4

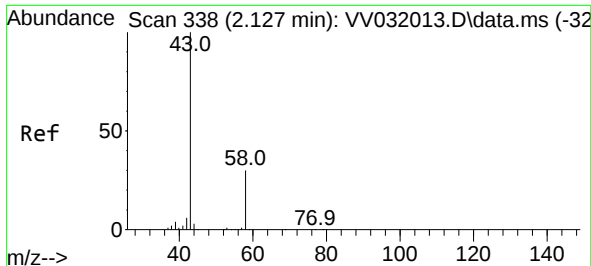
Tgt Ion: 50 Resp: 1518
Ion Ratio Lower Upper
50 100
52 33.4 23.3 43.3



#12
1,1-Dichloroethene
Concen: 1.848 ug/L
RT: 2.073 min Scan# 321
Delta R.T. 0.003 min
Lab File: VV032027.D
Acq: 11 Sep 2023 15:33

Tgt Ion: 96 Resp: 8979
Ion Ratio Lower Upper
96 100
61 202.7 129.0 239.6
63 227.4 99.0 183.8#





#13

Acetone

Concen: 1.727 ug/L

RT: 2.121 min Scan# 31

Delta R.T. -0.006 min

Lab File: VV032027.D

Acq: 11 Sep 2023 15:33

Instrument :

MSVOA_V

ClientSampleId :

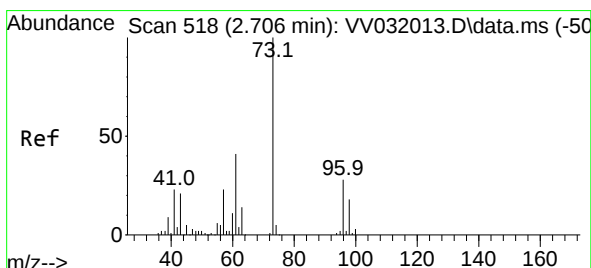
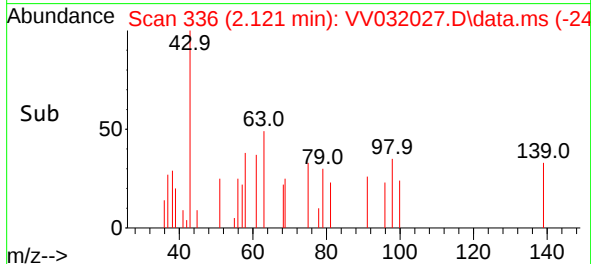
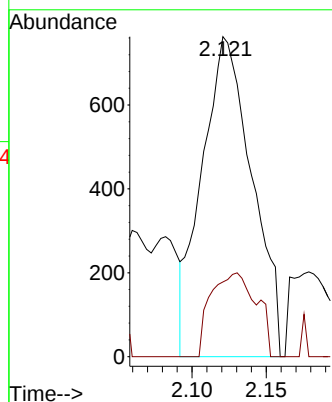
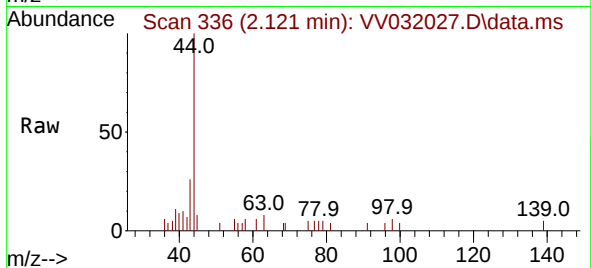
BH4J4

Tgt Ion: 43 Resp: 1795

Ion Ratio Lower Upper

43 100

58 23.7 0.0 37.0



#17

Methyl tert-butyl Ether

Concen: 0.247 ug/L

RT: 2.709 min Scan# 519

Delta R.T. 0.003 min

Lab File: VV032027.D

Acq: 11 Sep 2023 15:33

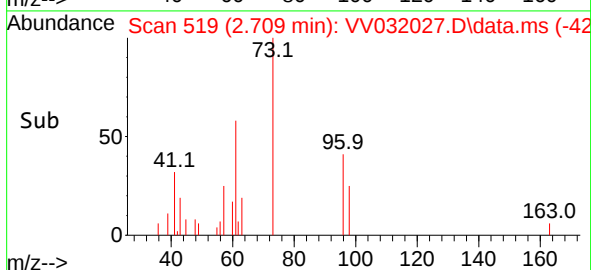
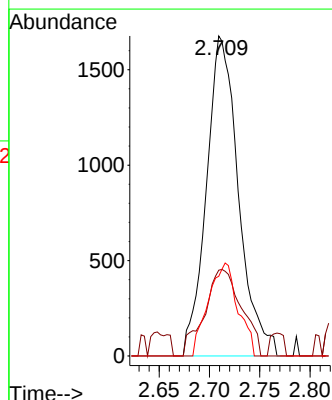
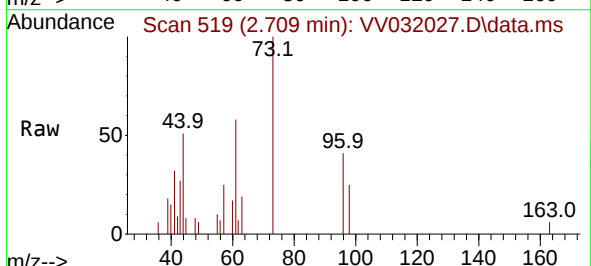
Tgt Ion: 73 Resp: 3722

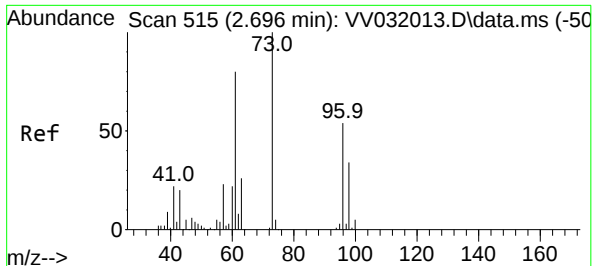
Ion Ratio Lower Upper

73 100

43 31.3 15.6 23.4#

57 26.8 17.8 26.8#

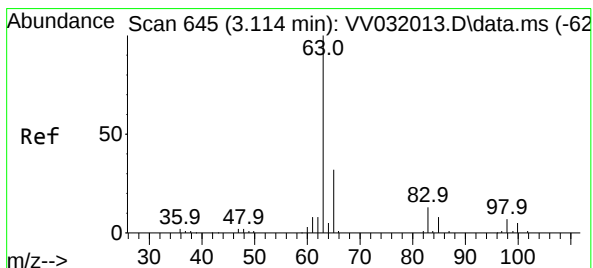
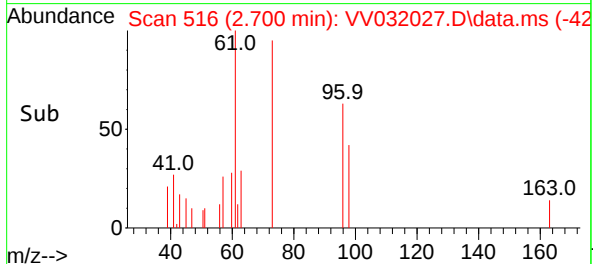
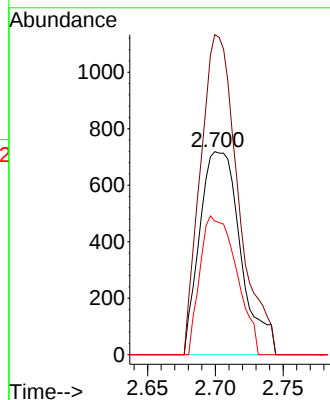
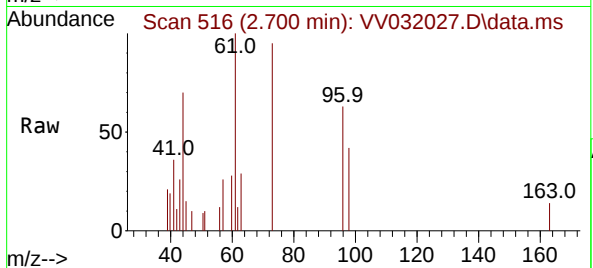




#18
trans-1,2-Dichloroethene
Concen: 0.275 ug/L
RT: 2.700 min Scan# 515
Delta R.T. 0.003 min
Lab File: VV032027.D
Acq: 11 Sep 2023 15:33

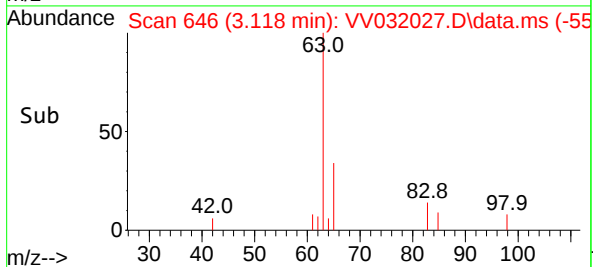
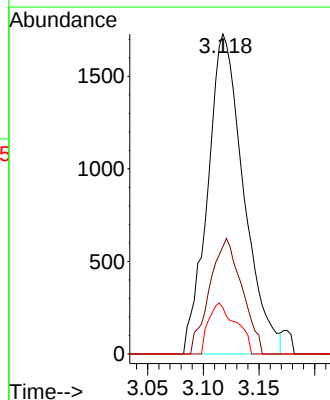
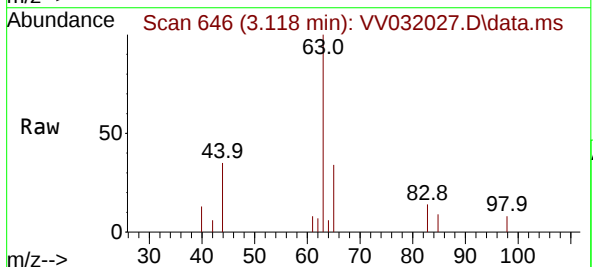
Instrument :
MSVOA_V
ClientSampleId :
BH4J4

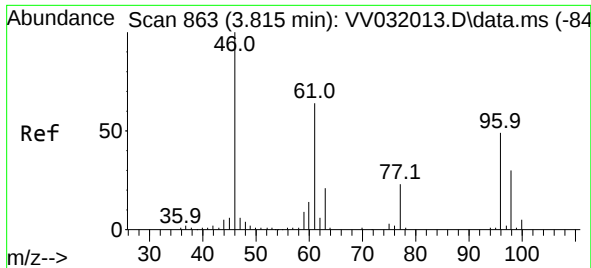
Tgt Ion: 96 Resp: 1512
Ion Ratio Lower Upper
96 100
61 157.6 106.8 198.4
98 65.8 44.9 83.3



#19
1,1-Dichloroethane
Concen: 0.343 ug/L
RT: 3.118 min Scan# 646
Delta R.T. 0.003 min
Lab File: VV032027.D
Acq: 11 Sep 2023 15:33

Tgt Ion: 63 Resp: 3888
Ion Ratio Lower Upper
63 100
65 33.6 21.9 40.7
83 14.4 9.2 17.2

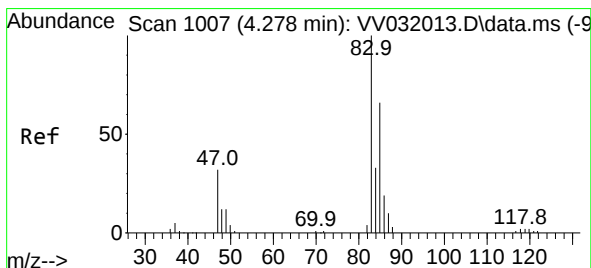
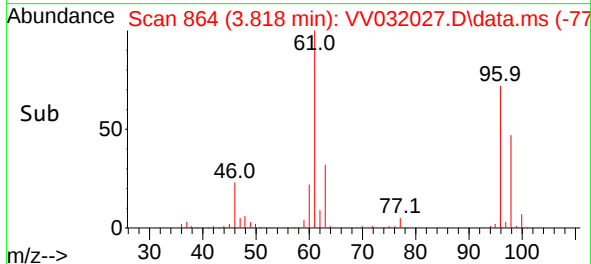
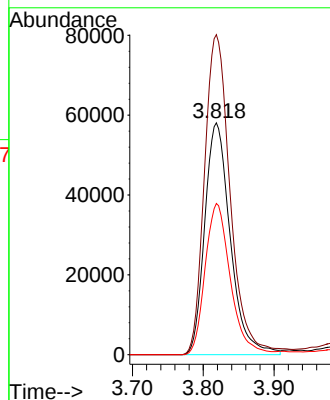
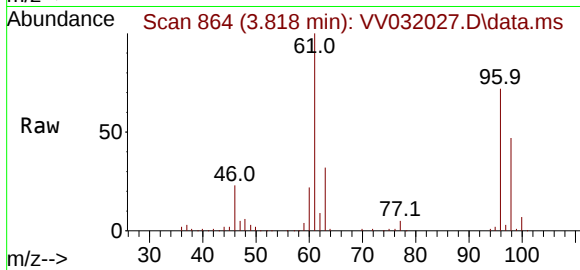




#22
 cis-1,2-Dichloroethene
 Concen: 22.956 ug/L
 RT: 3.818 min Scan# 80
 Delta R.T. 0.003 min
 Lab File: VV032027.D
 Acq: 11 Sep 2023 15:33

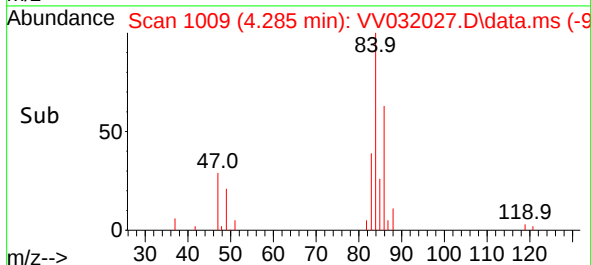
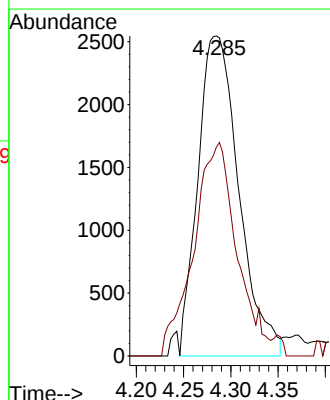
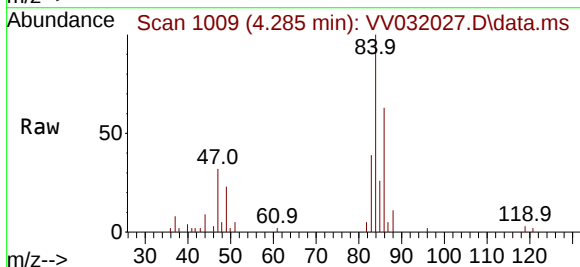
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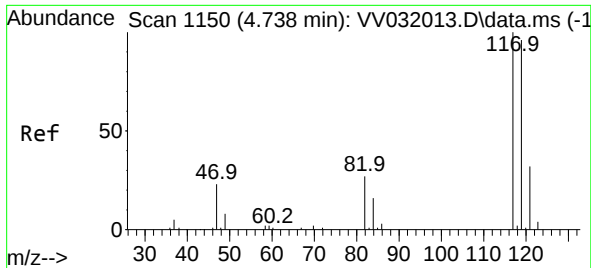
Tgt Ion: 96 Resp: 145605
 Ion Ratio Lower Upper
 96 100
 61 138.0 94.1 174.8
 98 65.2 43.8 81.4



#25
 Chloroform
 Concen: 0.664 ug/L
 RT: 4.285 min Scan# 1009
 Delta R.T. 0.007 min
 Lab File: VV032027.D
 Acq: 11 Sep 2023 15:33

Tgt Ion: 83 Resp: 7673
 Ion Ratio Lower Upper
 83 100
 85 65.3 46.4 86.2

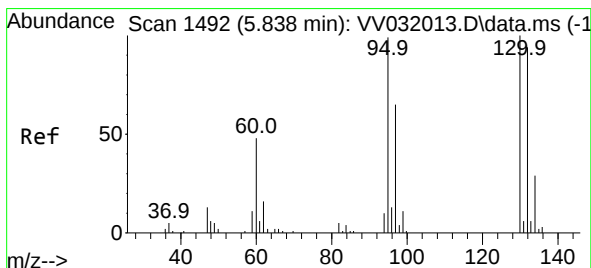
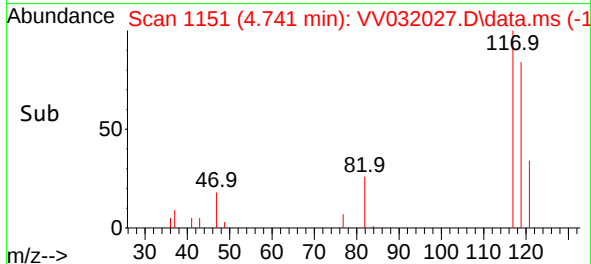
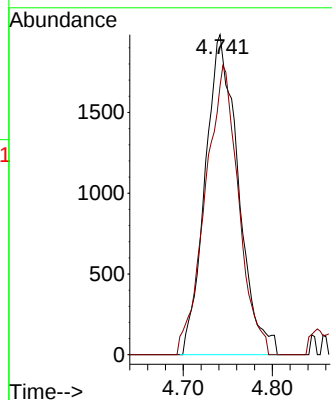
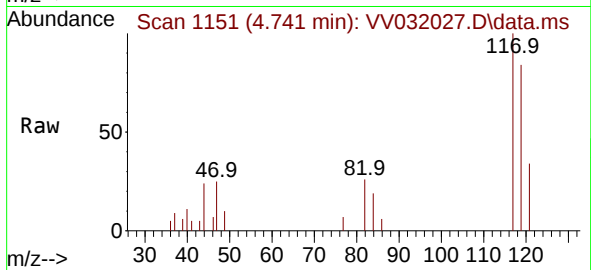




#31
Carbon tetrachloride
Concen: 0.579 ug/L
RT: 4.741 min Scan# 1150
Delta R.T. 0.003 min
Lab File: VV032027.D
Acq: 11 Sep 2023 15:33

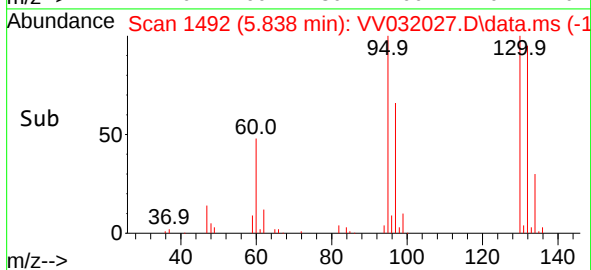
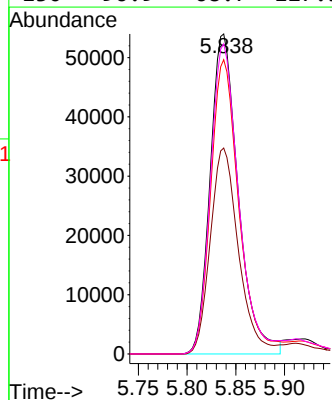
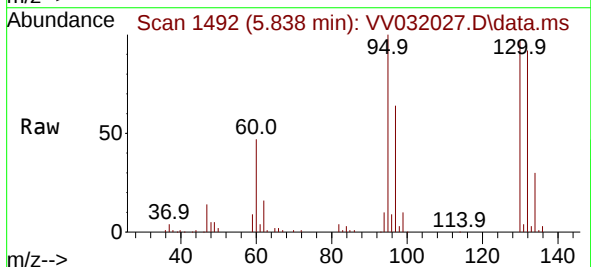
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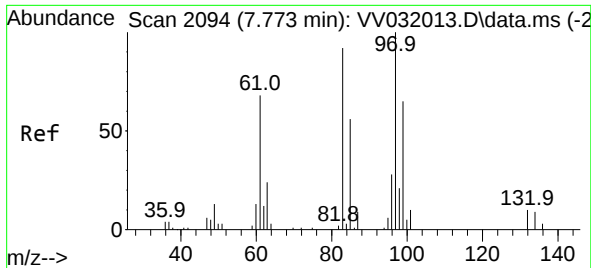
Tgt Ion:117 Resp: 5112
Ion Ratio Lower Upper
117 100
119 90.8 78.4 117.6



#34
Trichloroethene
Concen: 14.252 ug/L
RT: 5.838 min Scan# 1492
Delta R.T. 0.000 min
Lab File: VV032027.D
Acq: 11 Sep 2023 15:33

Tgt Ion: 95 Resp: 108405
Ion Ratio Lower Upper
95 100
97 64.4 47.7 88.7
132 92.0 63.8 118.4
130 96.9 68.7 127.5



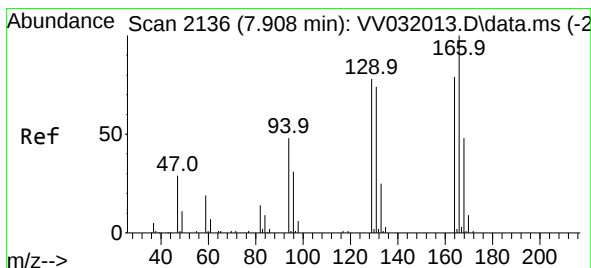
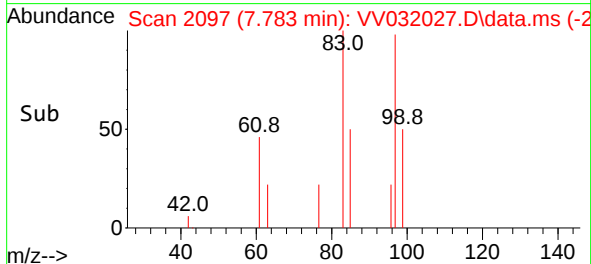
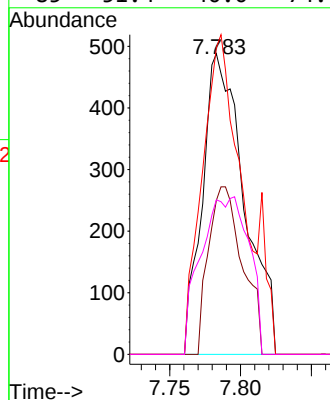
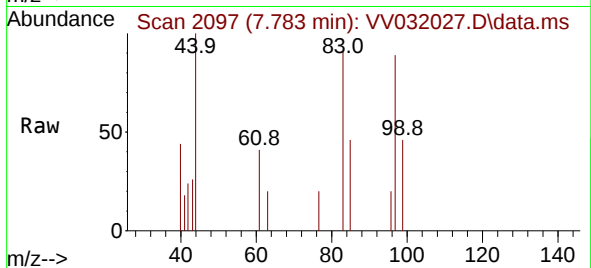


#45
1,1,2-Trichloroethane
Concen: 0.196 ug/L
RT: 7.783 min Scan# 2094
Delta R.T. 0.010 min
Lab File: VV032027.D
Acq: 11 Sep 2023 15:33

Instrument :
MSVOA_V
ClientSampleId :
BH4J4

Tgt Ion: 97 Resp: 1008

Ion	Ratio	Lower	Upper
97	100		
99	51.2	44.3	82.3
83	102.0	62.7	116.5
85	51.4	40.0	74.4



#47
Tetrachloroethene
Concen: 2.637 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. 0.003 min
Lab File: VV032027.D
Acq: 11 Sep 2023 15:33

Tgt Ion: 164 Resp: 12815

Ion	Ratio	Lower	Upper
164	100		
129	101.2	70.6	131.2
131	98.0	64.6	120.0
166	130.4	88.3	164.1

