

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV090923\
 Data File : VV031992.D
 Acq On : 09 Sep 2023 11:50
 Operator : SY/MD
 Sample : 04267-14
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH4D9

Quant Time: Sep 09 21:53:16 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)

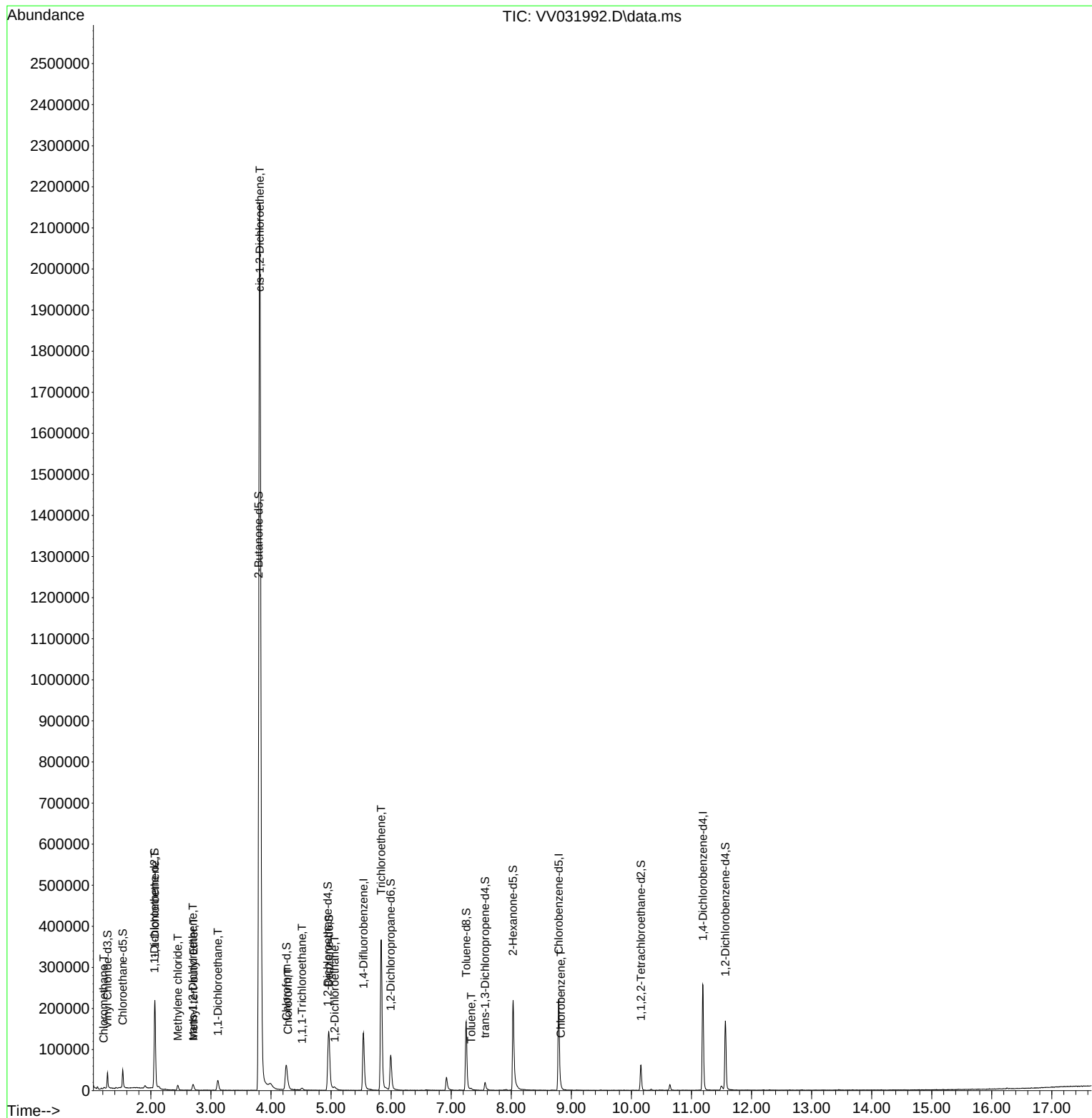
Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	120226	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	119059	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	63640	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	22896	5.639	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	112.800%
7) Chloroethane-d5	1.532	69	27908	6.000	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	120.000%
11) 1,1-Dichloroethene-d2	2.060	65	13275	5.555	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	111.000%
20) 2-Butanone-d5	3.796	46	105629	53.738	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.480%
24) Chloroform-d	4.256	84	62708	4.563	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.200%
26) 1,2-Dichloroethane-d4	4.947	65	33449	4.723	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.400%
32) Benzene-d6	4.963	84	129952	4.797	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.000%
36) 1,2-Dichloropropane-d6	5.992	67	45352	4.747	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.000%
41) Toluene-d8	7.249	98	114319	4.547	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.000%
43) trans-1,3-Dichloroprop...	7.564	79	12503	3.589	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	71.800%
46) 2-Hexanone-d5	8.031	63	82394	44.360	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.720%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	31190	4.551	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.000%
66) 1,2-Dichlorobenzene-d4	11.564	152	41389	4.016	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	80.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.214	50	1624	0.221	ug/L	98
12) 1,1-Dichloroethene	2.069	96	47120	8.706	ug/L	87
16) Methylene chloride	2.449	84	4821	0.548	ug/L	97
17) Methyl tert-butyl Ether	2.709	73	7189	0.428	ug/L #	86
18) trans-1,2-Dichloroethene	2.700	96	3097	0.505	ug/L	87
19) 1,1-Dichloroethane	3.114	63	25731	2.036	ug/L	99
22) cis-1,2-Dichloroethene	3.812	96	1153885	163.278	ug/L	98
25) Chloroform	4.281	83	8452	0.656	ug/L	99
27) 1,2-Dichloroethane	5.060	62	5899	0.766	ug/L	96
29) 1,1,1-Trichloroethane	4.516	97	3787	0.329	ug/L	94
34) Trichloroethene	5.834	95	133886	16.703	ug/L	97
42) Toluene	7.333	91	2646	0.087	ug/L	98
51) Chlorobenzene	8.825	112	4343	0.225	ug/L	97

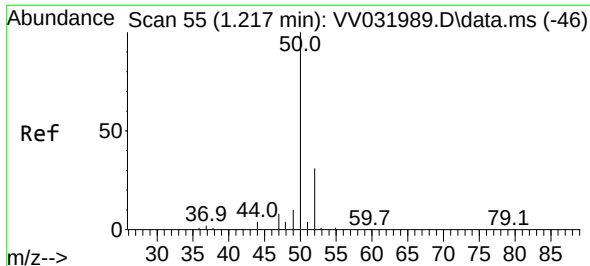
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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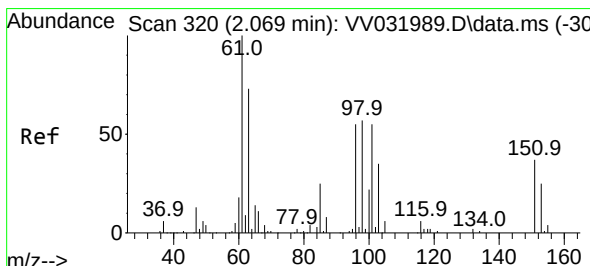
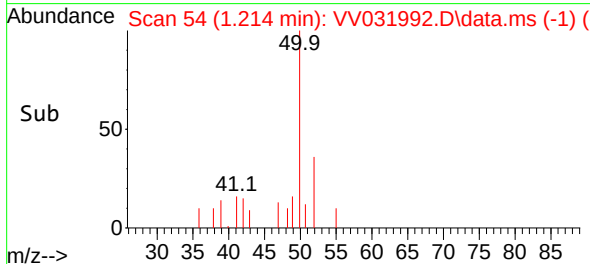
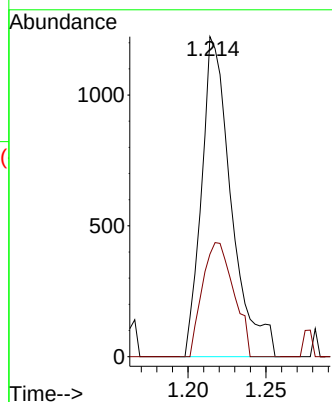
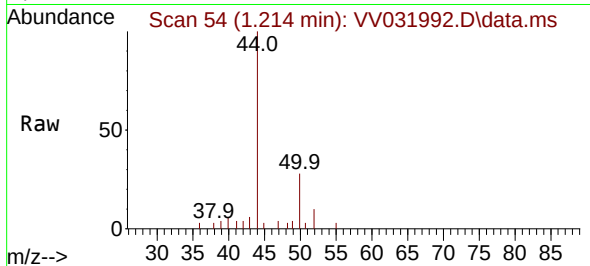




#3
Chloromethane
Concen: 0.221 ug/L
RT: 1.214 min Scan# 54
Delta R.T. -0.003 min
Lab File: VV031992.D
Acq: 09 Sep 2023 11:50

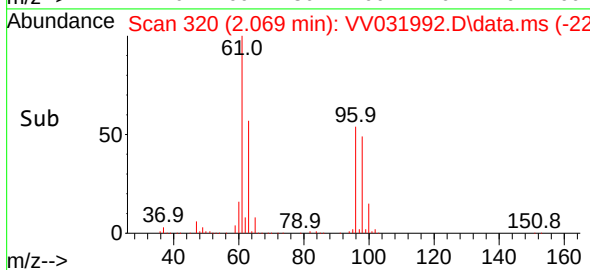
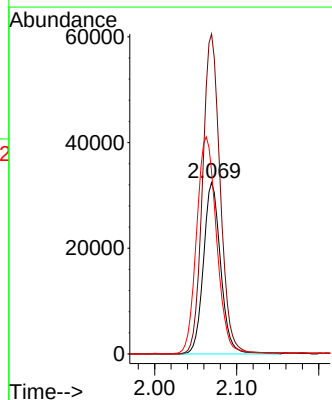
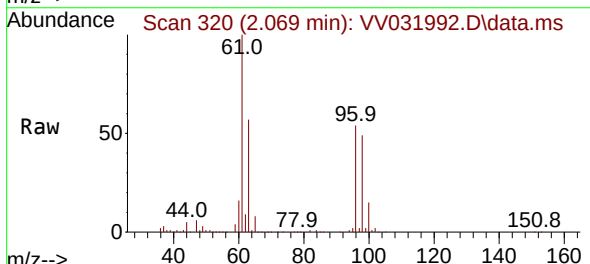
Instrument :
MSVOA_V
ClientSampleId :
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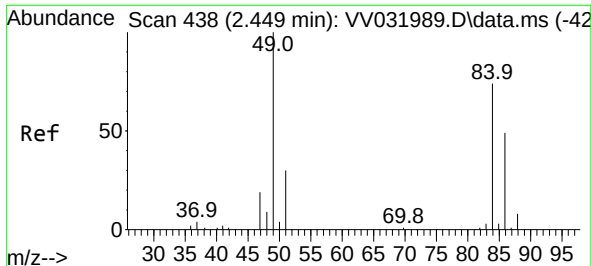
Tgt Ion: 50 Resp: 1624
Ion Ratio Lower Upper
50 100
52 32.1 23.3 43.3



#12
1,1-Dichloroethene
Concen: 8.706 ug/L
RT: 2.069 min Scan# 320
Delta R.T. 0.000 min
Lab File: VV031992.D
Acq: 09 Sep 2023 11:50

Tgt Ion: 96 Resp: 47120
Ion Ratio Lower Upper
96 100
61 186.7 129.0 239.6
63 106.5 99.0 183.8

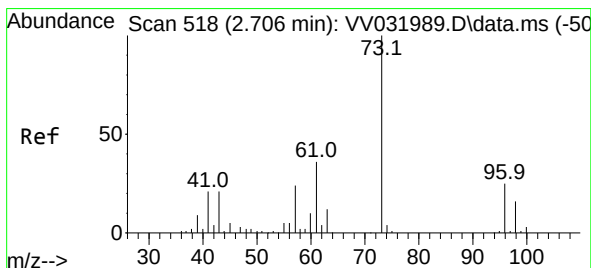
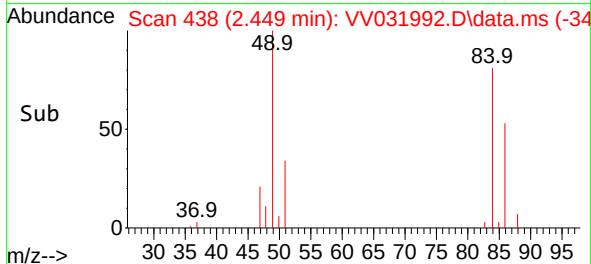
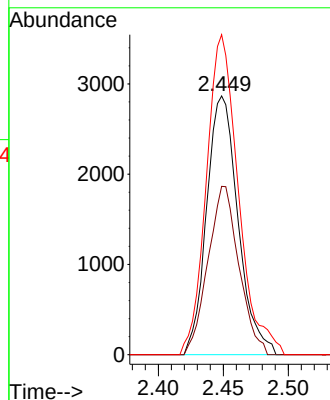
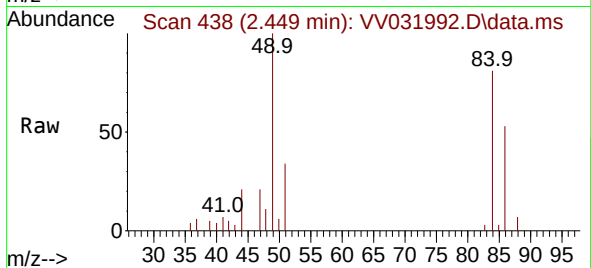




#16
Methylene chloride
Concen: 0.548 ug/L
RT: 2.449 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV031992.D
Acq: 09 Sep 2023 11:50

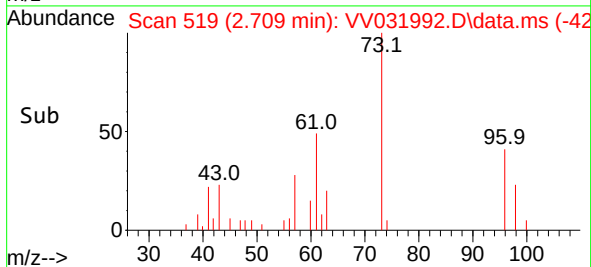
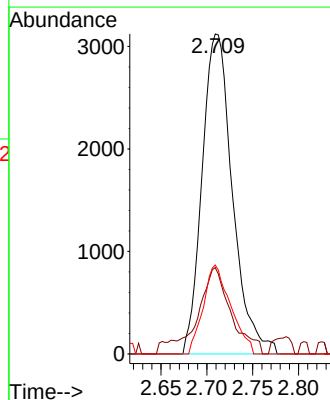
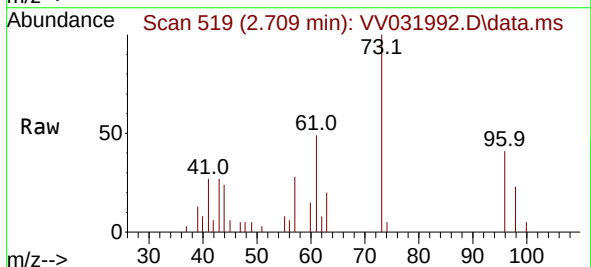
Instrument :
MSVOA_V
ClientSampleId :
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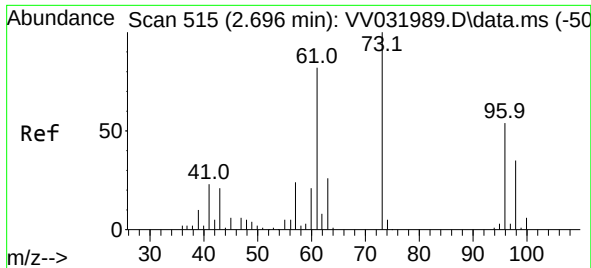
Tgt Ion: 84 Resp: 4821
Ion Ratio Lower Upper
84 100
86 65.1 42.6 79.2
49 123.7 88.5 164.4



#17
Methyl tert-butyl Ether
Concen: 0.428 ug/L
RT: 2.709 min Scan# 519
Delta R.T. 0.003 min
Lab File: VV031992.D
Acq: 09 Sep 2023 11:50

Tgt Ion: 73 Resp: 7189
Ion Ratio Lower Upper
73 100
43 30.3 15.6 23.4#
57 25.1 17.8 26.8

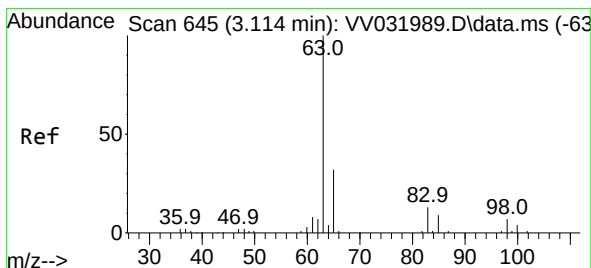
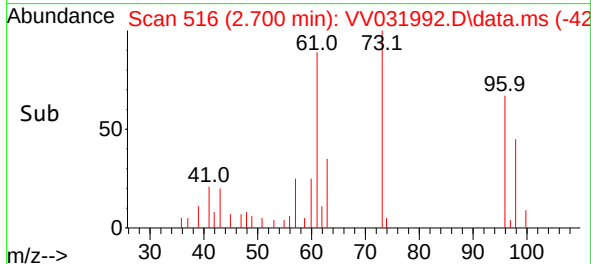
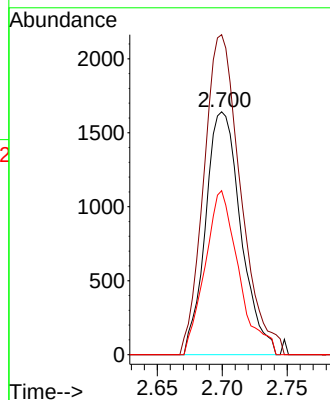
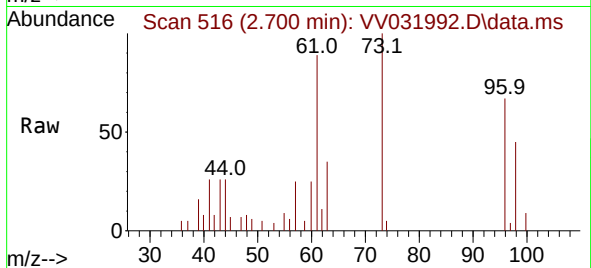




#18
trans-1,2-Dichloroethene
Concen: 0.505 ug/L
RT: 2.700 min Scan# 515
Delta R.T. 0.003 min
Lab File: VV031992.D
Acq: 09 Sep 2023 11:50

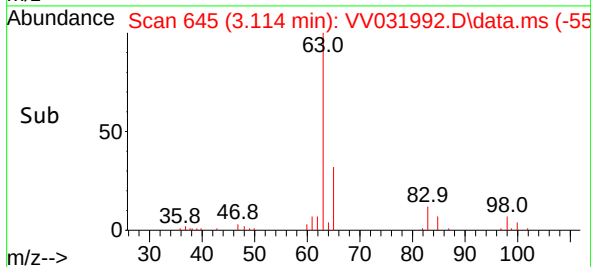
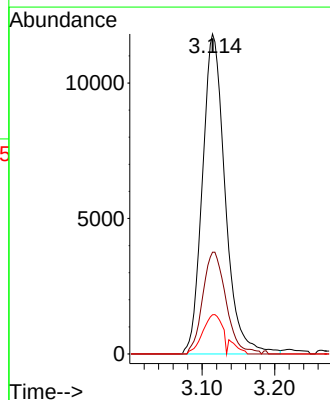
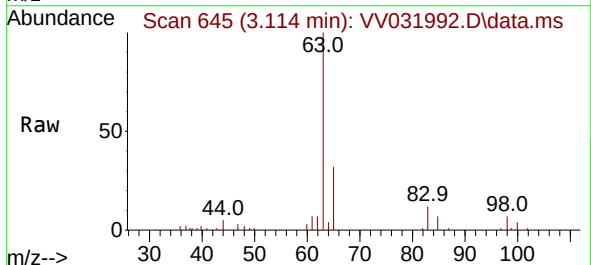
Instrument :
MSVOA_V
ClientSampleId :
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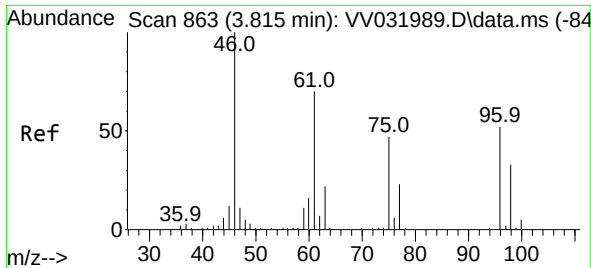
Tgt Ion: 96 Resp: 3097
Ion Ratio Lower Upper
96 100
61 131.7 106.8 198.4
98 67.5 44.9 83.3



#19
1,1-Dichloroethane
Concen: 2.036 ug/L
RT: 3.114 min Scan# 645
Delta R.T. 0.000 min
Lab File: VV031992.D
Acq: 09 Sep 2023 11:50

Tgt Ion: 63 Resp: 25731
Ion Ratio Lower Upper
63 100
65 31.8 21.9 40.7
83 12.3 9.2 17.2



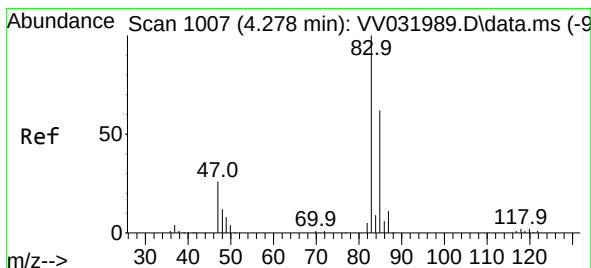
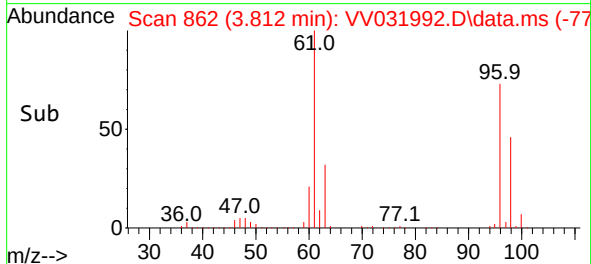
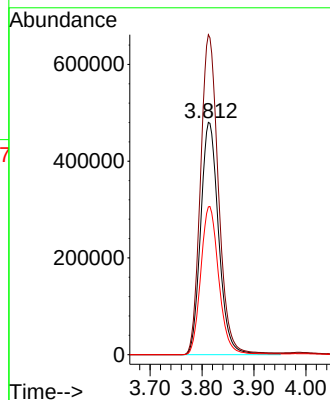
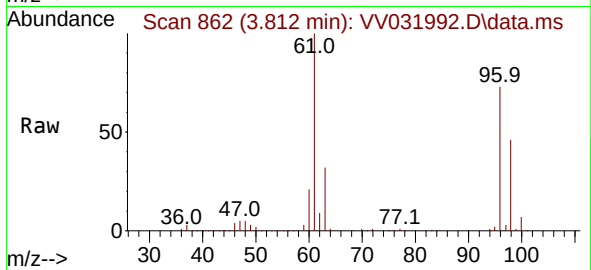


#22
 cis-1,2-Dichloroethene
 Concen: 163.278 ug/L
 RT: 3.812 min Scan# 80
 Delta R.T. -0.003 min
 Lab File: VV031992.D
 Acq: 09 Sep 2023 11:50

Instrument :
 MSVOA_V
 ClientSampleId :
 BH4D9

Tgt Ion: 96 Resp: 1153885

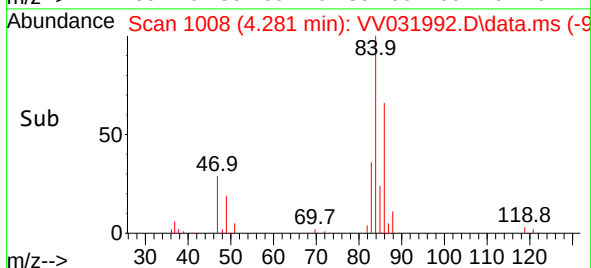
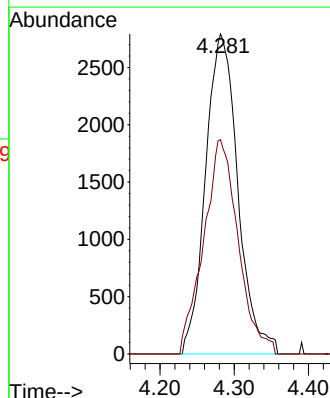
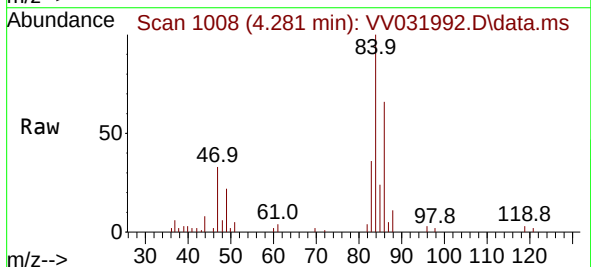
Ion	Ratio	Lower	Upper
96	100		
61	137.8	94.1	174.8
98	63.7	43.8	81.4

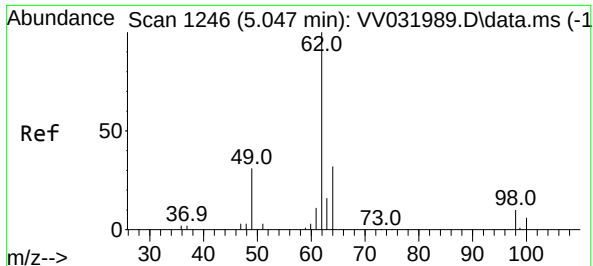


#25
 Chloroform
 Concen: 0.656 ug/L
 RT: 4.281 min Scan# 1008
 Delta R.T. 0.003 min
 Lab File: VV031992.D
 Acq: 09 Sep 2023 11:50

Tgt Ion: 83 Resp: 8452

Ion	Ratio	Lower	Upper
83	100		
85	67.0	46.4	86.2





#27

1,2-Dichloroethane

Concen: 0.766 ug/L

RT: 5.060 min Scan# 11

Delta R.T. 0.013 min

Lab File: VV031992.D

Acq: 09 Sep 2023 11:50

Instrument :

MSVOA_V

ClientSampleId :

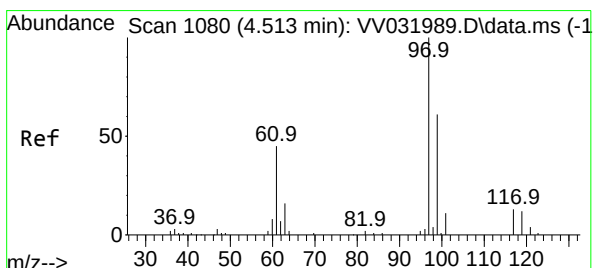
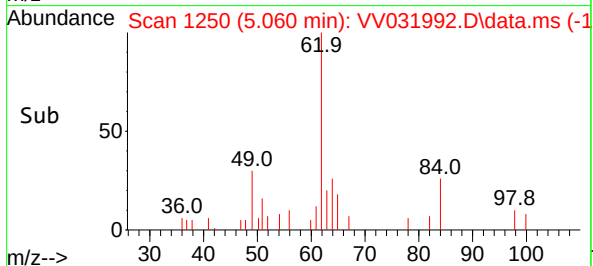
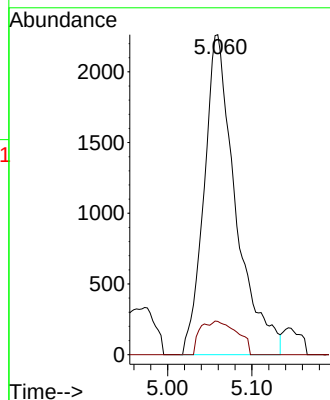
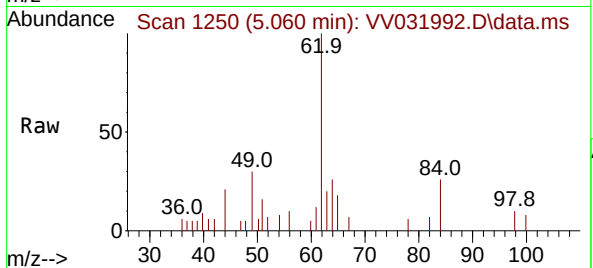
BH4D9

Tgt Ion: 62 Resp: 5899

Ion Ratio Lower Upper

62 100

98 10.4 7.2 10.8



#29

1,1,1-Trichloroethane

Concen: 0.329 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. 0.003 min

Lab File: VV031992.D

Acq: 09 Sep 2023 11:50

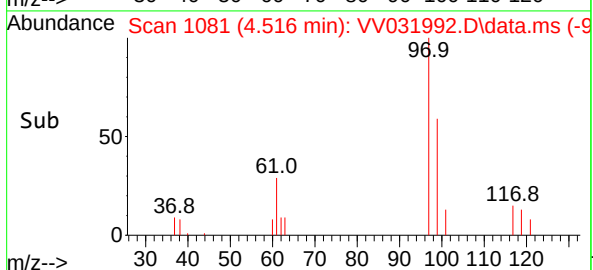
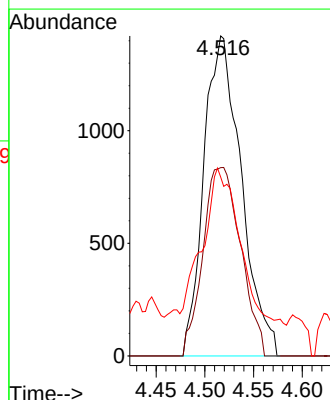
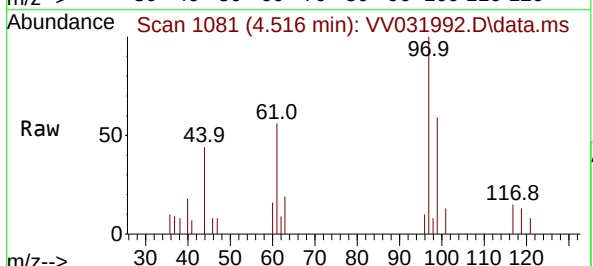
Tgt Ion: 97 Resp: 3787

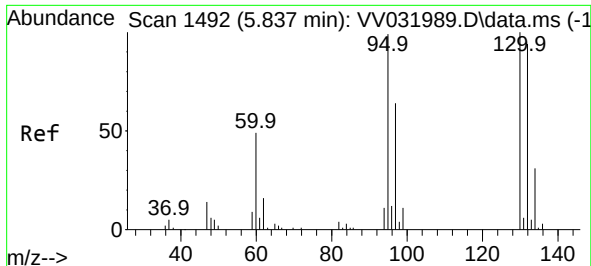
Ion Ratio Lower Upper

97 100

99 59.5 51.1 76.7

61 49.5 35.5 53.3

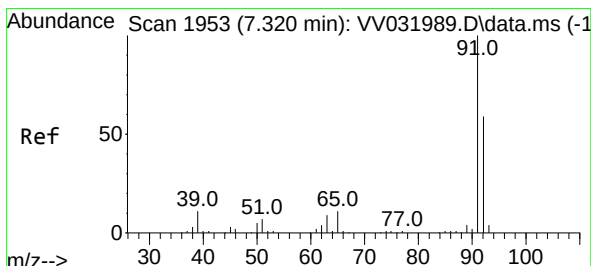
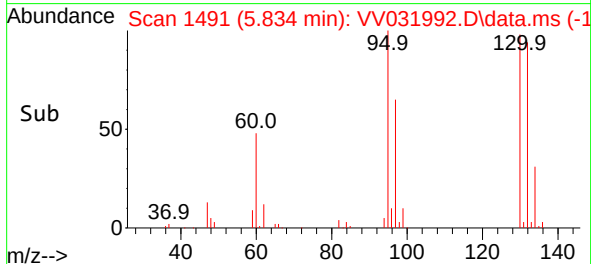
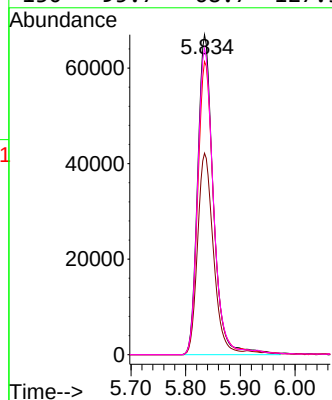
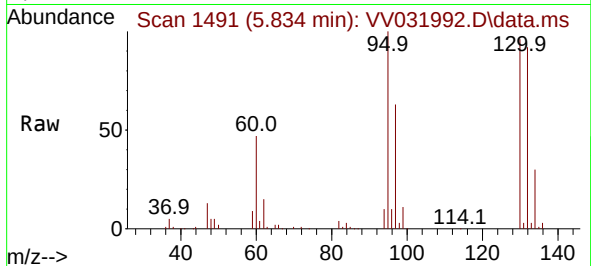




#34
Trichloroethene
Concen: 16.703 ug/L
RT: 5.834 min Scan# 1491
Delta R.T. -0.003 min
Lab File: VV031992.D
Acq: 09 Sep 2023 11:50

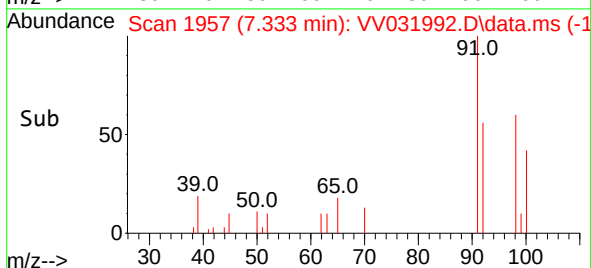
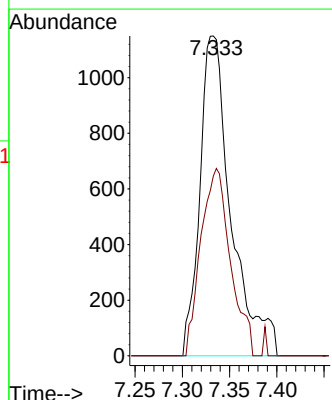
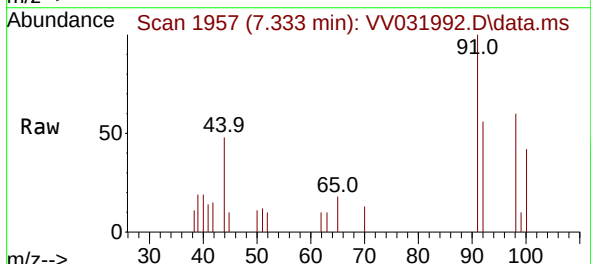
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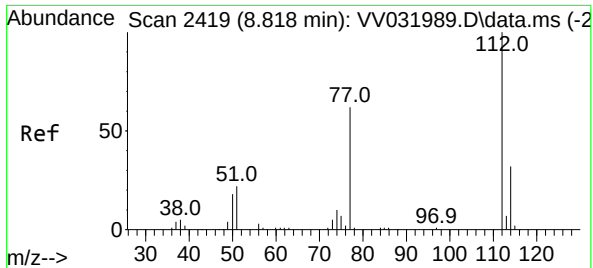
Tgt Ion: 95 Resp: 133886
Ion Ratio Lower Upper
95 100
97 62.9 47.7 88.7
132 91.6 63.8 118.4
130 95.7 68.7 127.5



#42
Toluene
Concen: 0.087 ug/L
RT: 7.333 min Scan# 1957
Delta R.T. 0.013 min
Lab File: VV031992.D
Acq: 09 Sep 2023 11:50

Tgt Ion: 91 Resp: 2646
Ion Ratio Lower Upper
91 100
92 56.2 40.5 75.1





#51
Chlorobenzene
Concen: 0.225 ug/L
RT: 8.825 min Scan# 2419
Delta R.T. 0.007 min
Lab File: VV031992.D
Acq: 09 Sep 2023 11:50

Instrument :
MSVOA_V
ClientSampleId :
BH4D9

Tgt Ion:	112	Resp:	4343
Ion	Ratio	Lower	Upper
112	100		
114	29.3	22.3	41.3
77	65.0	50.6	75.8

