

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011323\
 Data File : VW029808.D
 Acq On : 13 Jan 2023 15:07
 Operator : SY/MD
 Sample : 01138-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH1W4

Quant Time: Jan 13 22:51:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011223WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 12 22:05:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	197683	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	197537	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	102584	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	69970	4.667	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.400%
7) Chloroethane-d5	1.564	69	63208	5.085	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.800%
11) 1,1-Dichloroethene-d2	2.108	63	134826	4.933	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.600%
20) 2-Butanone-d5	3.883	46	131535	49.494	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.980%
24) Chloroform-d	4.339	84	141477	5.144	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.800%
26) 1,2-Dichloroethane-d4	5.027	65	64530	5.540	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.800%
32) Benzene-d6	5.043	84	293477	5.009	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.200%
36) 1,2-Dichloropropane-d6	6.063	67	91386	5.329	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.600%
41) Toluene-d8	7.307	98	254701	4.695	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.000%
43) trans-1,3-Dichloroprop...	7.616	79	27524	4.395	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.800%
46) 2-Hexanone-d5	8.085	63	120384	47.213	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.420%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	63991	5.092	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.800%
66) 1,2-Dichlorobenzene-d4	11.612	152	99087	5.313	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	1991	0.103	ug/L	99
8) Chloroethane	1.307	64	4290	0.372	ug/L	87
12) 1,1-Dichloroethene	2.114	96	89561	5.306	ug/L	99
13) Acetone	2.172	43	168739	88.959	ug/L	96
14) Carbon disulfide	2.291	76	11491	0.236	ug/L	99
15) Methyl Acetate	2.172	43	155844	31.549	ug/L	# 47
17) Methyl tert-butyl Ether	2.767	73	2341	0.080	ug/L	# 90
18) trans-1,2-Dichloroethene	2.757	96	1586	0.101	ug/L	99
19) 1,1-Dichloroethane	3.182	63	59810	2.279	ug/L	100
21) 2-Butanone	3.960	43	307075	113.004	ug/L	98
22) cis-1,2-Dichloroethene	3.902	96	248725	14.876	ug/L	97
34) Trichloroethene	5.905	95	1134899	68.568	ug/L	97
35) Methylcyclohexane	6.059	83	21798	0.780	ug/L	# 20
37) 1,2-Dichloropropane	6.172	63	2540	0.166	ug/L	# 85
39) cis-1,3-Dichloropropene	6.976	75	1764	0.086	ug/L	# 56
47) Tetrachloroethene	7.972	164	862	0.062	ug/L	86
49) Dibromochloromethane	7.969	129	724	0.056	ug/L	# 11
53) m,p-Xylene	9.133	106	2882	0.099	ug/L	86
61) 1,2,3-Trichloropropane	11.239	75	12317	1.622	ug/L	# 66

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Jan 12 22:05:54 2023
Response via : Initial Calibration

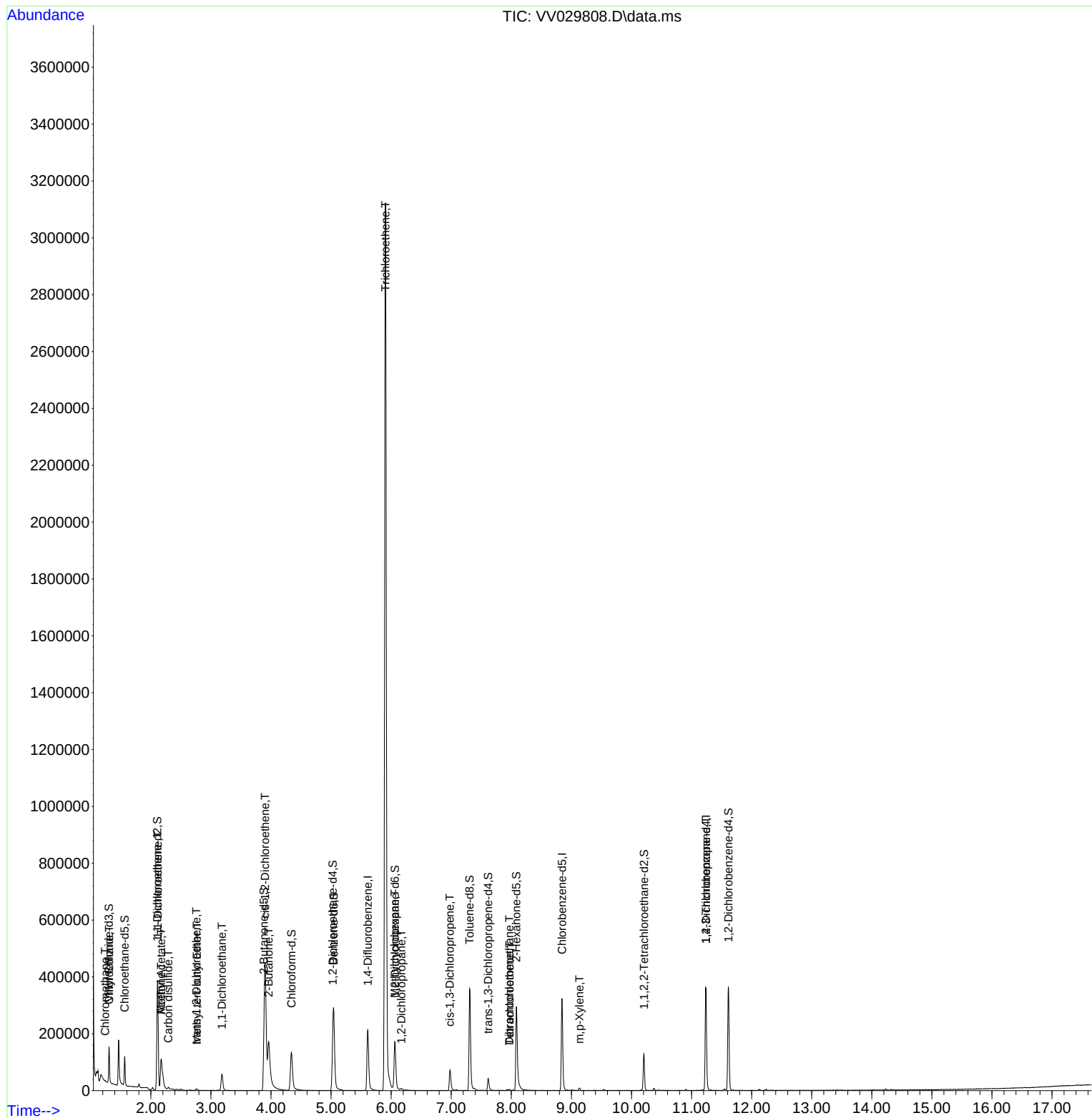
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

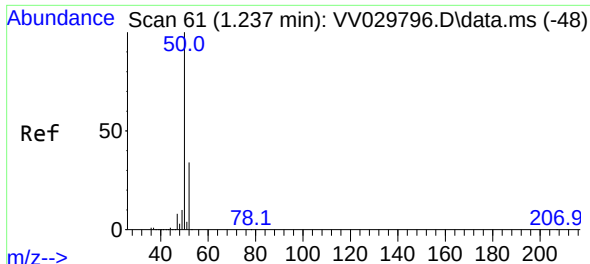
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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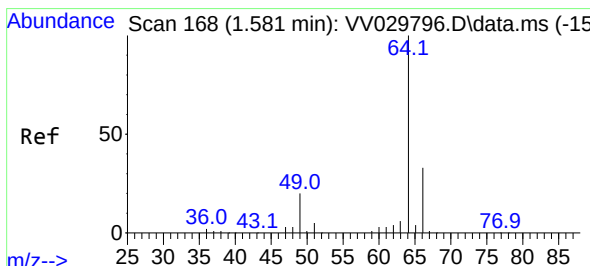
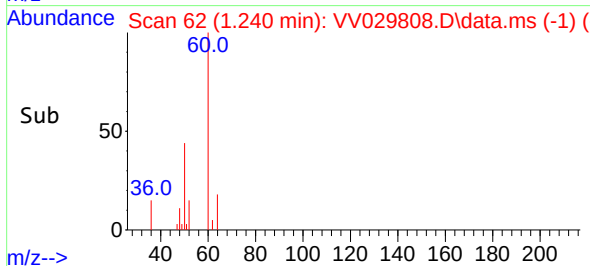
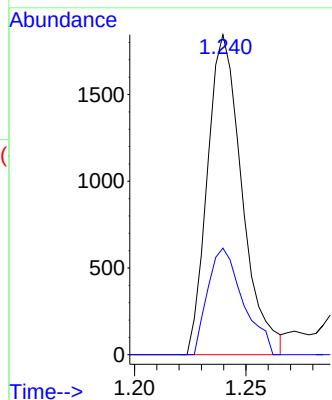
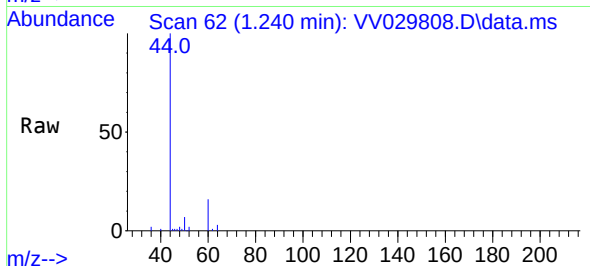




#3
Chloromethane
Concen: 0.103 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV029808.D
Acq: 13 Jan 2023 15:07

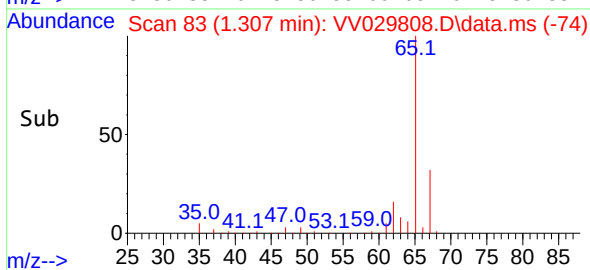
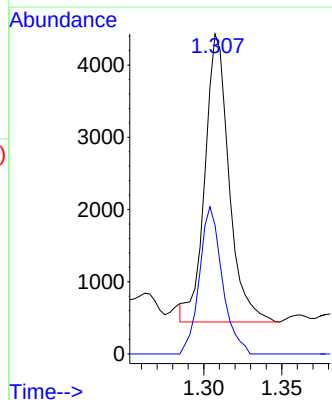
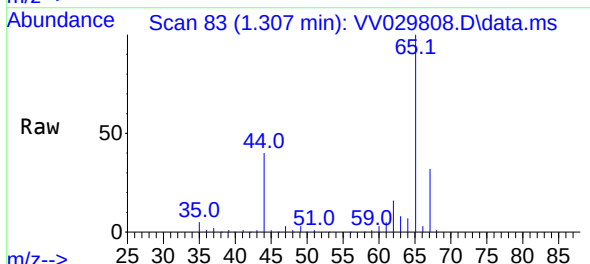
Instrument :
MSVOA_V
ClientSampleId :
BH1W4

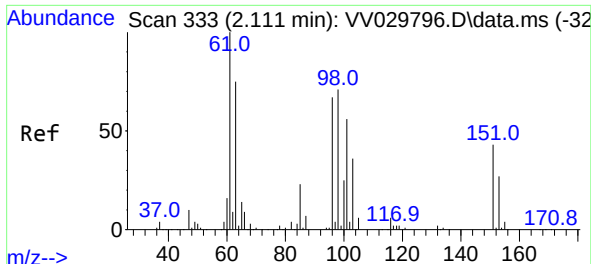
Tgt Ion: 50 Resp: 1991
Ion Ratio Lower Upper
50 100
52 33.3 23.1 42.9



#8
Chloroethane
Concen: 0.372 ug/L
RT: 1.307 min Scan# 83
Delta R.T. -0.270 min
Lab File: VV029808.D
Acq: 13 Jan 2023 15:07

Tgt Ion: 64 Resp: 4290
Ion Ratio Lower Upper
64 100
66 40.1 22.9 42.5

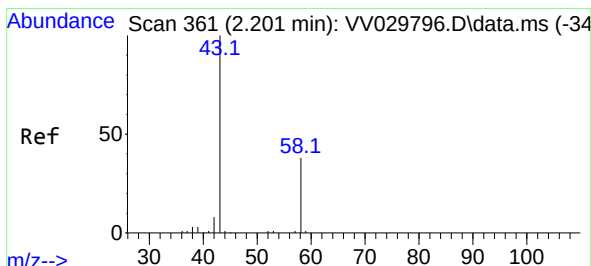
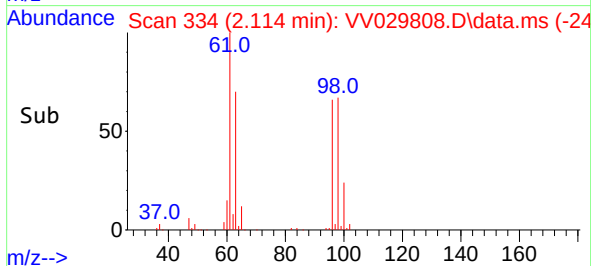
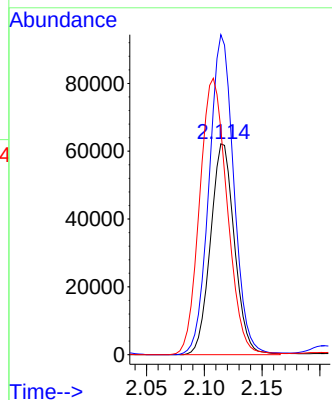
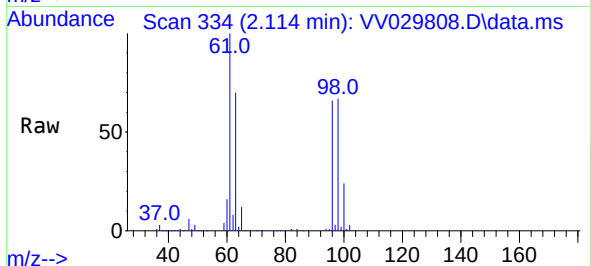




#12
1,1-Dichloroethene
Concen: 5.306 ug/L
RT: 2.114 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV029808.D
Acq: 13 Jan 2023 15:07

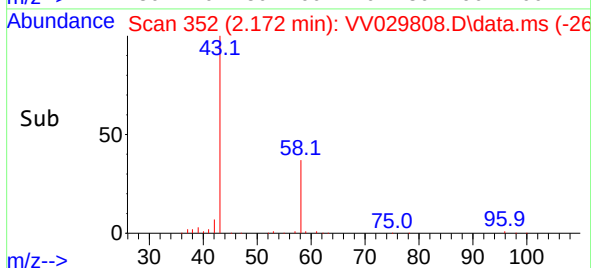
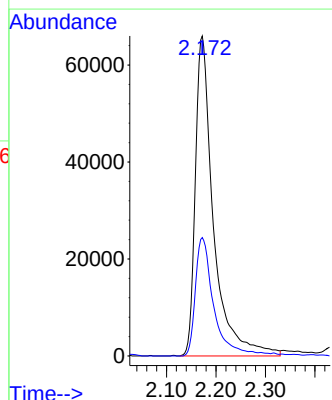
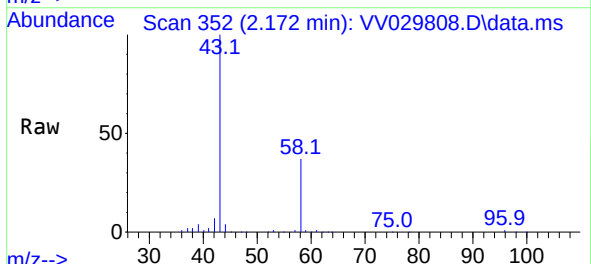
Instrument :
MSVOA_V
ClientSampleId :
BH1W4

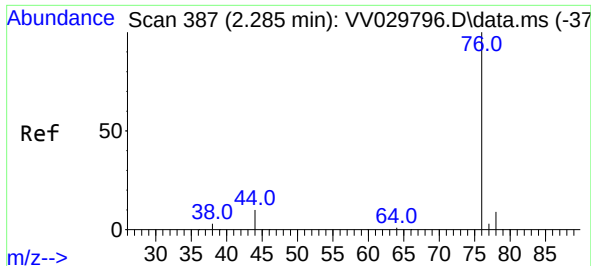
Tgt Ion: 96 Resp: 89561
Ion Ratio Lower Upper
96 100
61 151.8 106.1 197.1
63 107.0 76.4 141.8



#13
Acetone
Concen: 88.959 ug/L
RT: 2.172 min Scan# 352
Delta R.T. -0.026 min
Lab File: VV029808.D
Acq: 13 Jan 2023 15:07

Tgt Ion: 43 Resp: 168739
Ion Ratio Lower Upper
43 100
58 36.9 0.0 68.8

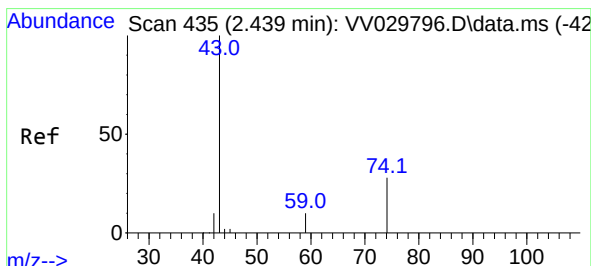
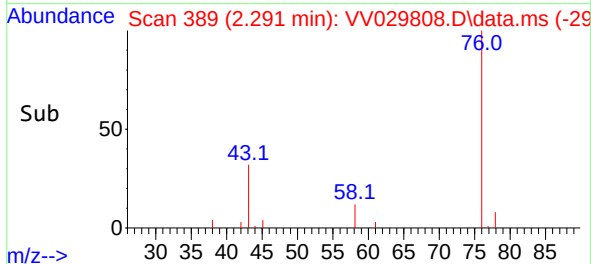
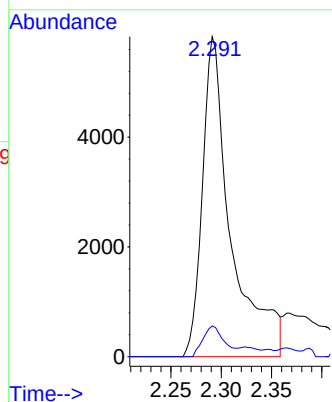
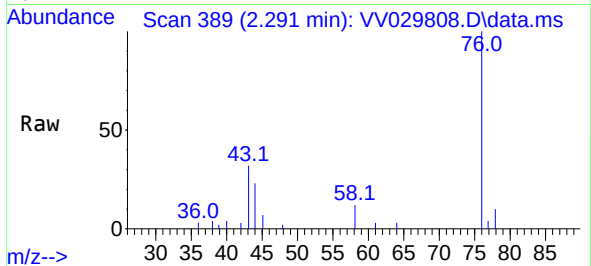




#14
Carbon disulfide
Concen: 0.236 ug/L
RT: 2.291 min Scan# 311
Delta R.T. 0.006 min
Lab File: VV029808.D
Acq: 13 Jan 2023 15:07

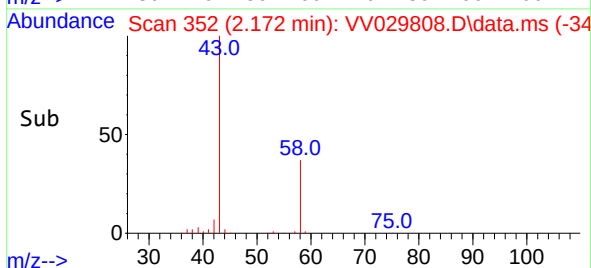
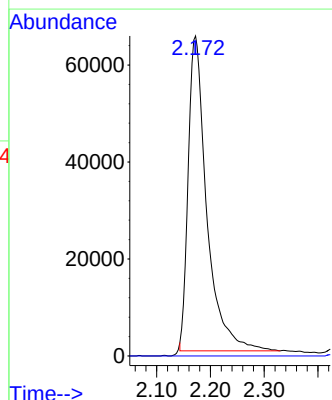
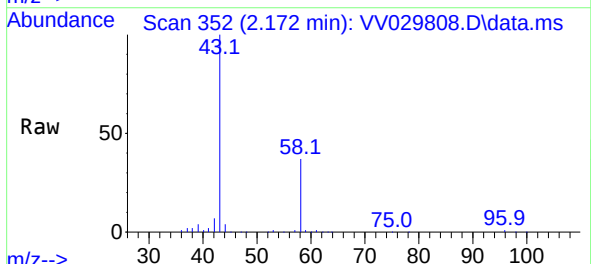
Instrument :
MSVOA_V
ClientSampleId :
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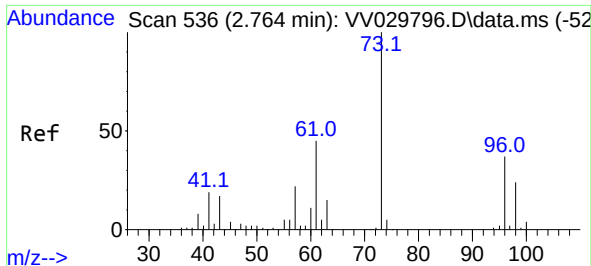
Tgt Ion: 76 Resp: 11491
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.0



#15
Methyl Acetate
Concen: 31.549 ug/L
RT: 2.172 min Scan# 352
Delta R.T. -0.264 min
Lab File: VV029808.D
Acq: 13 Jan 2023 15:07

Tgt Ion: 43 Resp: 155844
Ion Ratio Lower Upper
43 100
74 0.7 23.4 35.0#

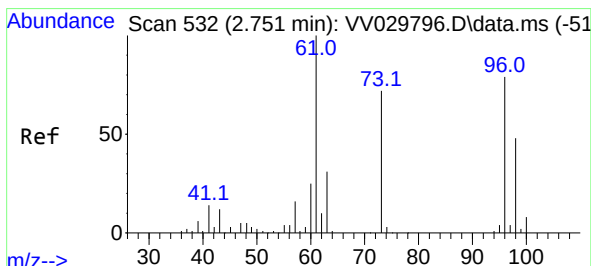
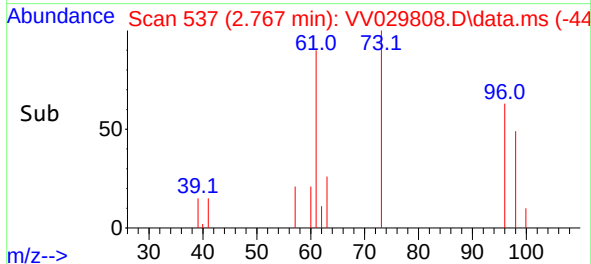
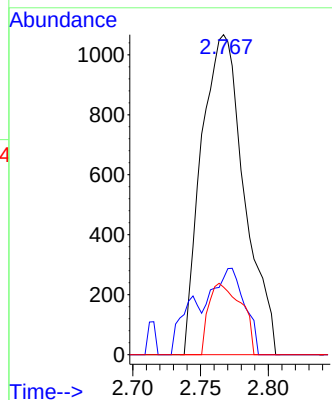
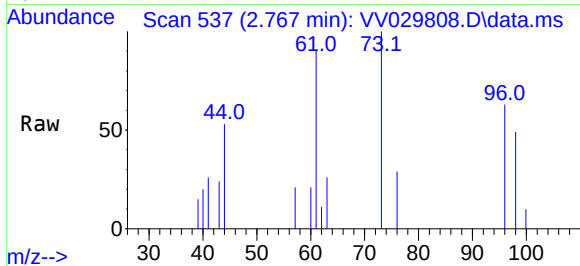




#17
Methyl tert-butyl Ether
Concen: 0.080 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV029808.D
Acq: 13 Jan 2023 15:07

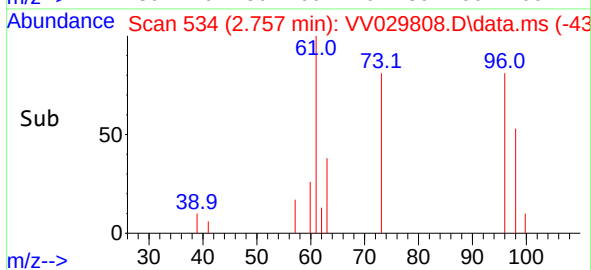
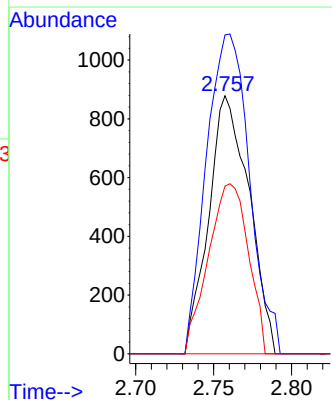
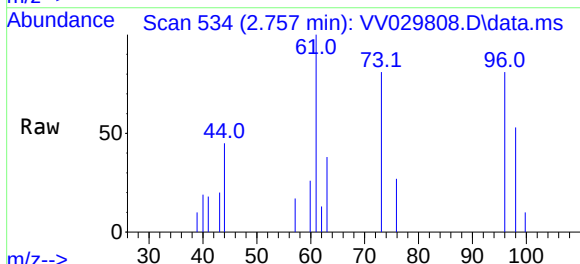
Instrument :
MSVOA_V
ClientSampleId :
BH1W4

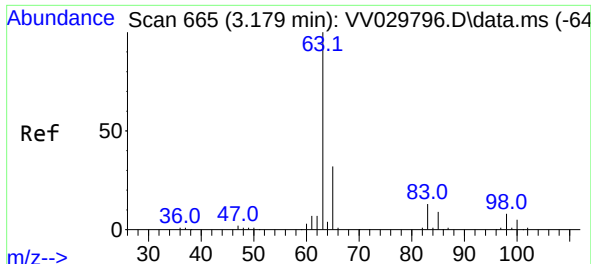
Tgt Ion: 73 Resp: 2341
Ion Ratio Lower Upper
73 100
43 20.7 13.0 19.4#
57 17.0 17.1 25.7#



#18
trans-1,2-Dichloroethene
Concen: 0.101 ug/L
RT: 2.757 min Scan# 534
Delta R.T. 0.006 min
Lab File: VV029808.D
Acq: 13 Jan 2023 15:07

Tgt Ion: 96 Resp: 1586
Ion Ratio Lower Upper
96 100
61 123.5 86.1 159.9
98 65.0 43.9 81.5

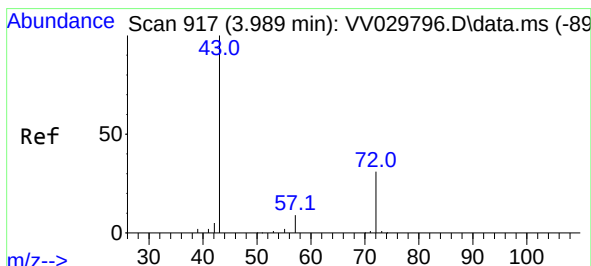
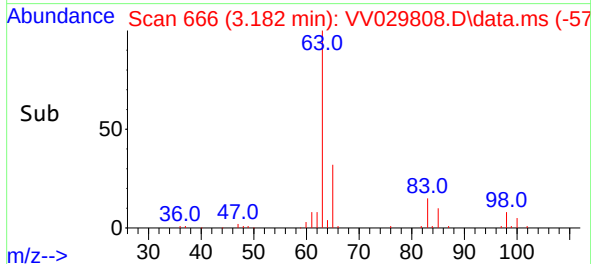
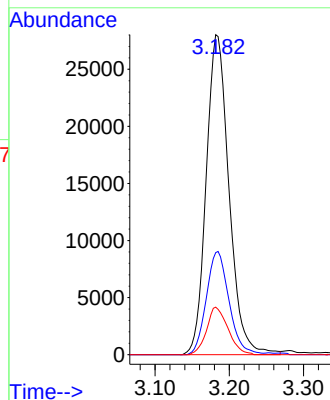
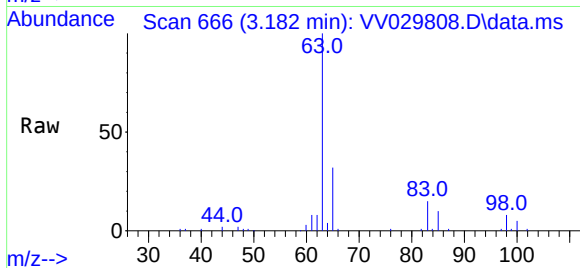




#19
1,1-Dichloroethane
Concen: 2.279 ug/L
RT: 3.182 min Scan# 60
Delta R.T. 0.003 min
Lab File: VV029808.D
Acq: 13 Jan 2023 15:07

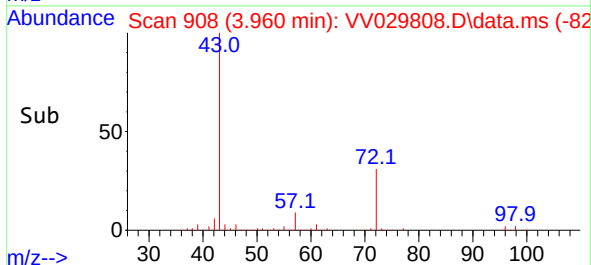
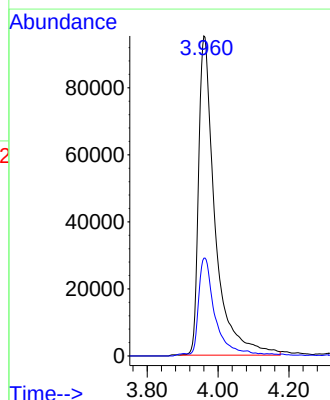
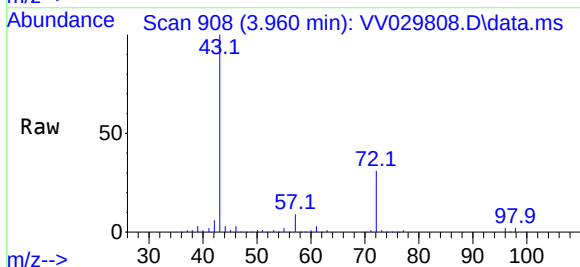
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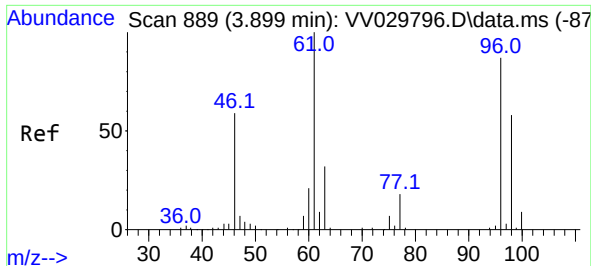
Tgt Ion:	63	Resp:	59810
Ion	Ratio	Lower	Upper
63	100		
65	31.9	22.4	41.6
83	14.8	10.2	19.0



#21
2-Butanone
Concen: 113.004 ug/L
RT: 3.960 min Scan# 908
Delta R.T. -0.023 min
Lab File: VV029808.D
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Tgt Ion:	43	Resp:	307075
Ion	Ratio	Lower	Upper
43	100		
72	28.5	13.9	41.6

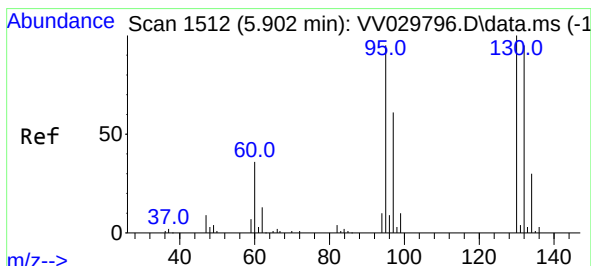
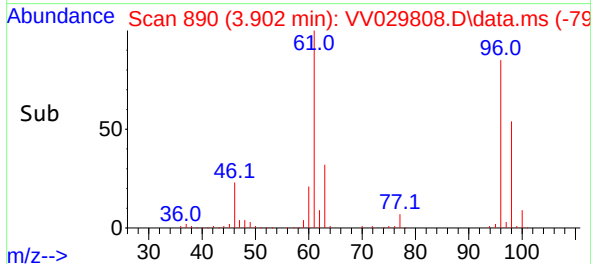
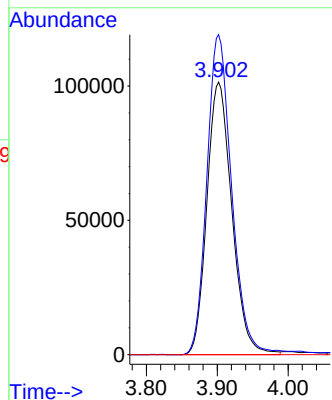
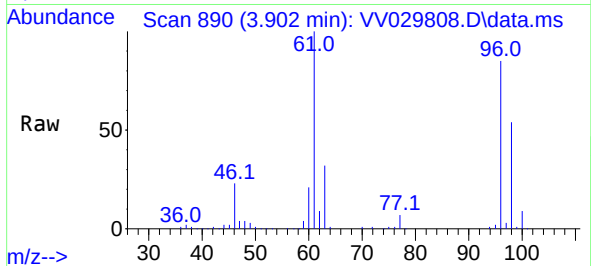




#22
 cis-1,2-Dichloroethene
 Concen: 14.876 ug/L
 RT: 3.902 min Scan# 890
 Delta R.T. 0.003 min
 Lab File: VV029808.D
 Acq: 13 Jan 2023 15:07

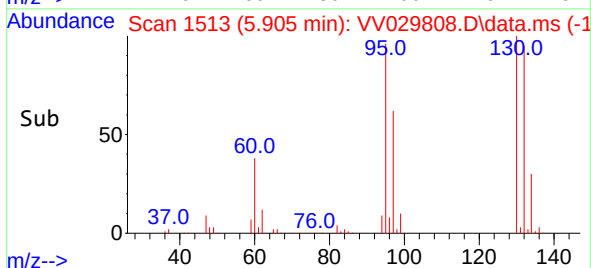
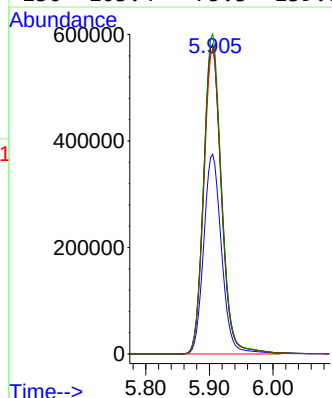
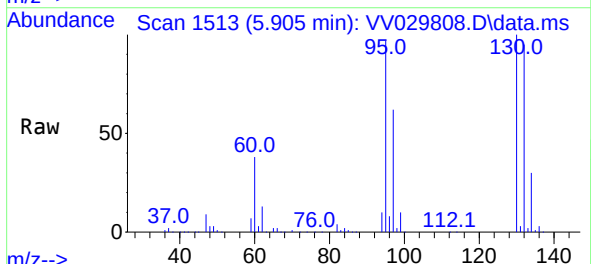
Instrument :
 MSVOA_V
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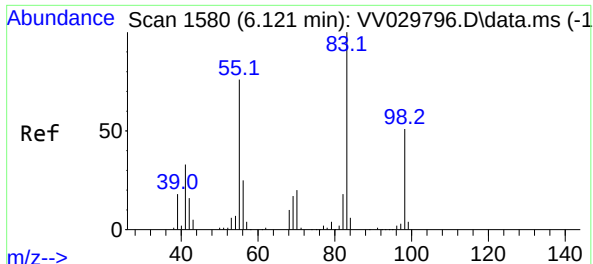
Tgt Ion: 96 Resp: 248725
 Ion Ratio Lower Upper
 96 100
 61 117.4 80.0 148.6
 68 0.0 0.0 0.0



#34
 Trichloroethene
 Concen: 68.568 ug/L
 RT: 5.905 min Scan# 1513
 Delta R.T. -0.000 min
 Lab File: VV029808.D
 Acq: 13 Jan 2023 15:07

Tgt Ion: 95 Resp: 1134899
 Ion Ratio Lower Upper
 95 100
 97 64.5 44.9 83.3
 132 98.7 71.8 133.4
 130 103.4 75.3 139.8





#35

Methylcyclohexane

Concen: 0.780 ug/L

RT: 6.059 min Scan# 11

Delta R.T. -0.061 min

Lab File: VV029808.D

Acq: 13 Jan 2023 15:07

Instrument :

MSVOA_V

ClientSampleId :

BH1W4

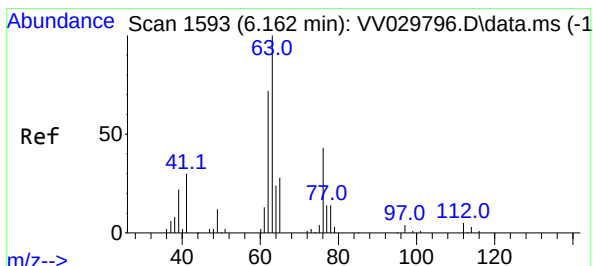
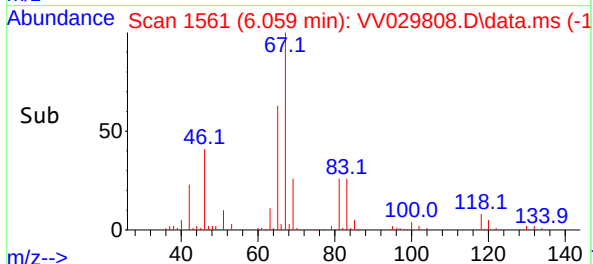
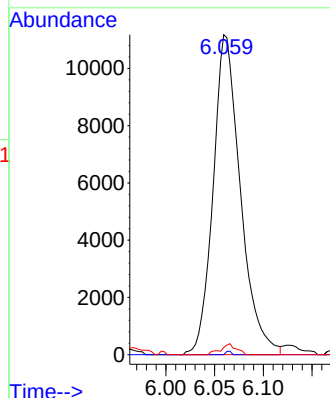
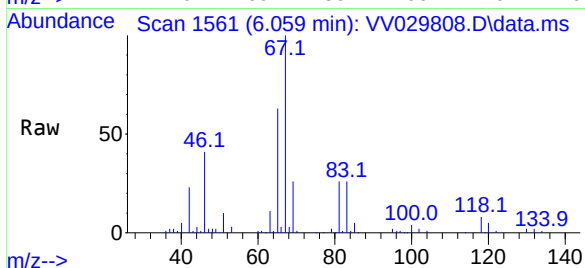
Tgt Ion: 83 Resp: 21798

Ion Ratio Lower Upper

83 100

55 0.2 57.3 85.9#

98 0.0 39.0 58.6#



#37

1,2-Dichloropropane

Concen: 0.166 ug/L

RT: 6.172 min Scan# 1596

Delta R.T. 0.010 min

Lab File: VV029808.D

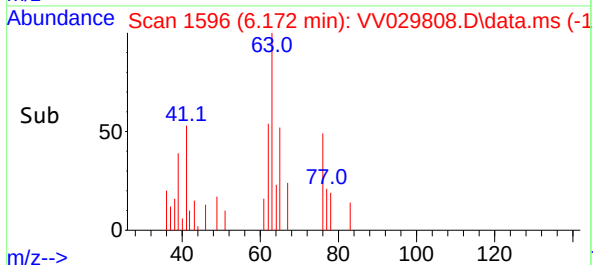
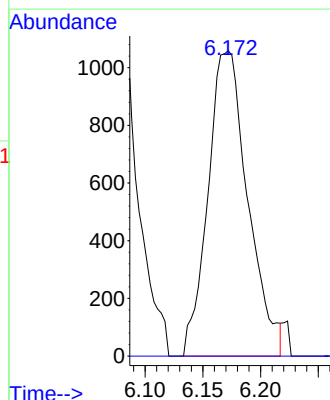
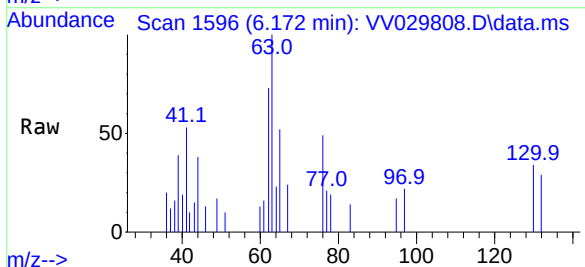
Acq: 13 Jan 2023 15:07

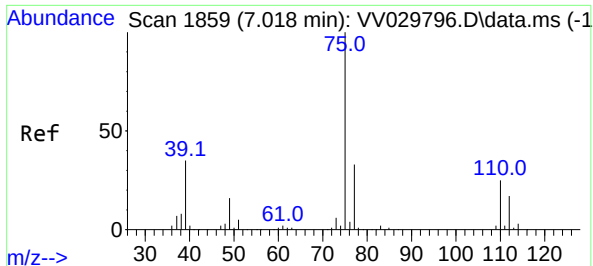
Tgt Ion: 63 Resp: 2540

Ion Ratio Lower Upper

63 100

112 0.0 3.9 5.9#





#39

cis-1,3-Dichloropropene

Concen: 0.086 ug/L

RT: 6.976 min Scan# 11

Delta R.T. -0.042 min

Lab File: VV029808.D

Acq: 13 Jan 2023 15:07

Instrument :

MSVOA_V

ClientSampleId :

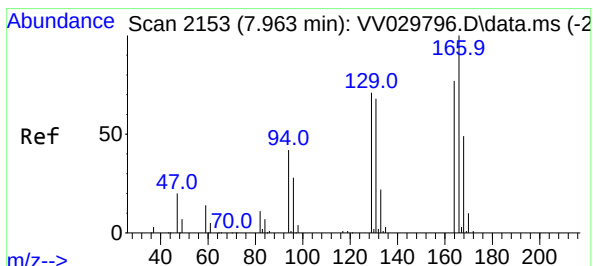
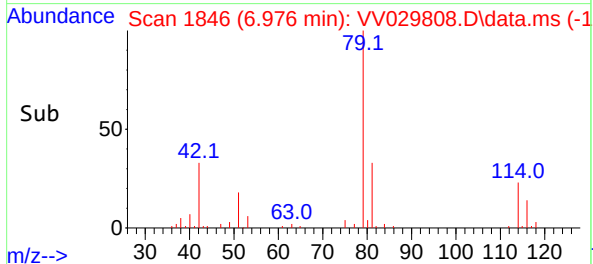
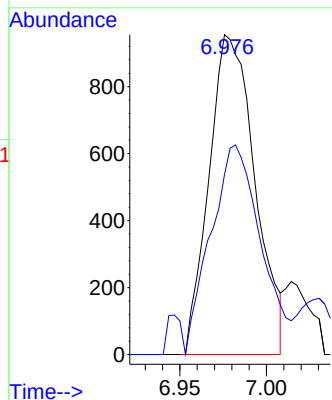
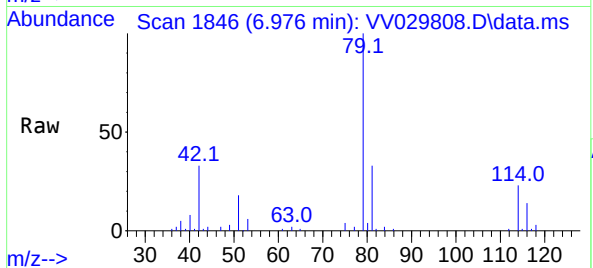
BH1W4

Tgt Ion: 75 Resp: 1764

Ion Ratio Lower Upper

75 100

77 56.3 22.4 41.6#



#47

Tetrachloroethene

Concen: 0.062 ug/L

RT: 7.972 min Scan# 2156

Delta R.T. 0.006 min

Lab File: VV029808.D

Acq: 13 Jan 2023 15:07

Tgt Ion:164 Resp: 862

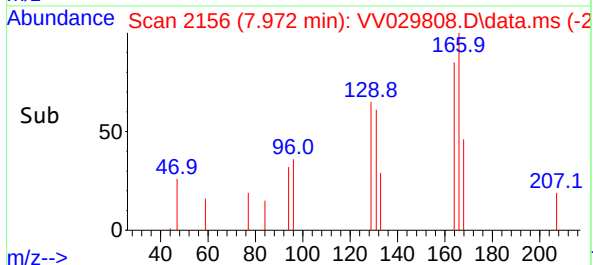
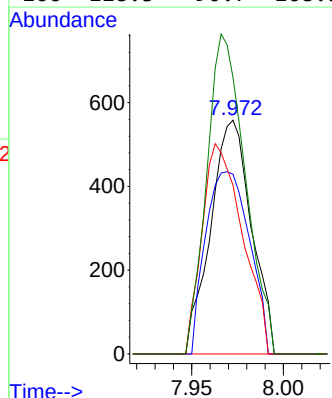
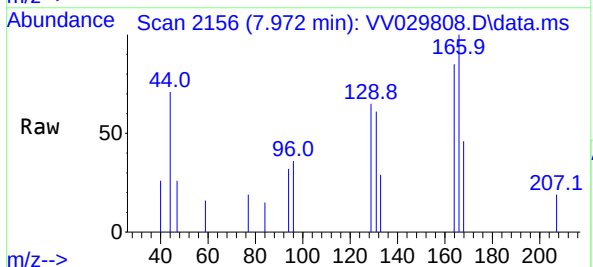
Ion Ratio Lower Upper

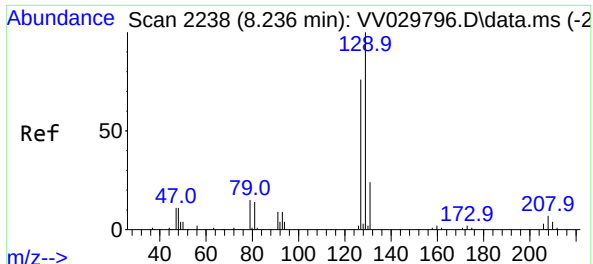
164 100

129 76.9 64.5 119.7

131 72.2 62.9 116.7

166 118.3 90.7 168.5





#49

Dibromochloromethane

Concen: 0.056 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.267 min

Lab File: VV029808.D

Acq: 13 Jan 2023 15:07

Instrument :

MSVOA_V

ClientSampleId :

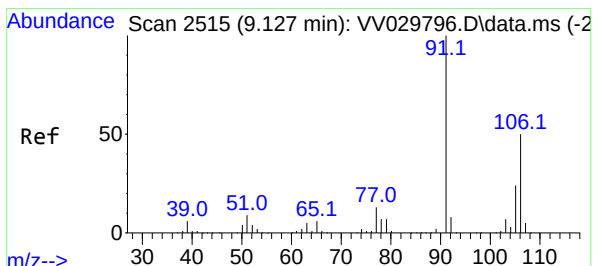
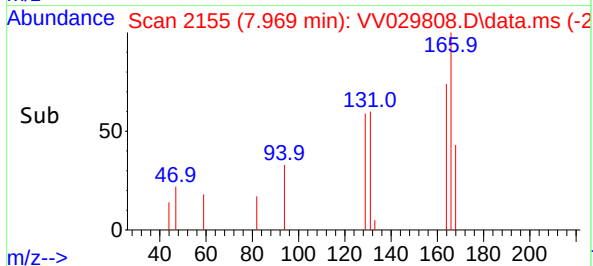
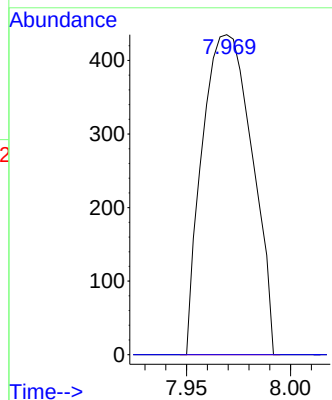
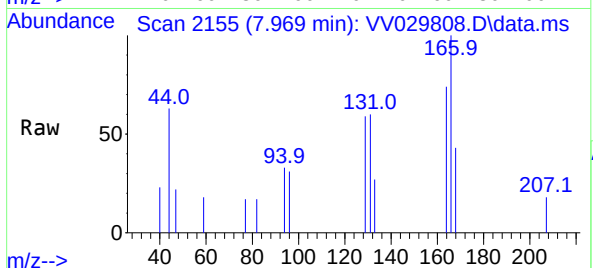
BH1W4

Tgt Ion:129 Resp: 724

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#



#53

m,p-Xylene

Concen: 0.099 ug/L

RT: 9.133 min Scan# 2517

Delta R.T. 0.003 min

Lab File: VV029808.D

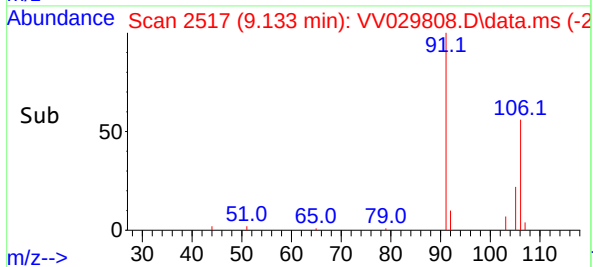
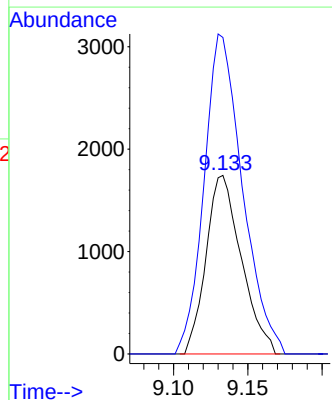
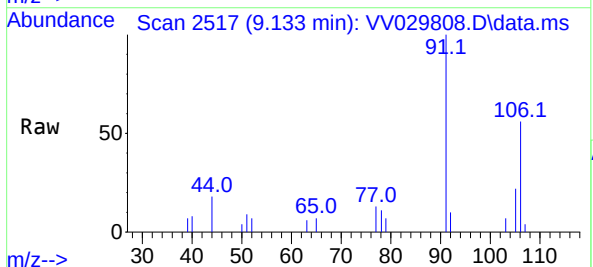
Acq: 13 Jan 2023 15:07

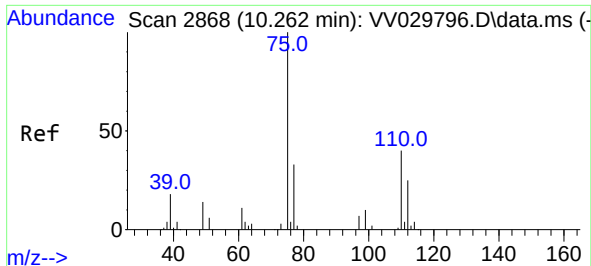
Tgt Ion:106 Resp: 2882

Ion Ratio Lower Upper

106 100

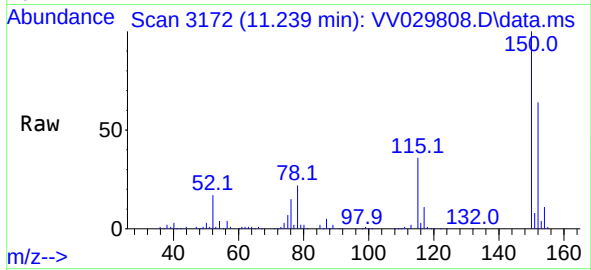
91 177.2 138.7 257.7





#61
1,2,3-Trichloropropane
Concen: 1.622 ug/L
RT: 11.239 min Scan# 31
Delta R.T. 0.977 min
Lab File: VV029808.D
Acq: 13 Jan 2023 15:07

Instrument :
MSVOA_V
ClientSampleId :
BH1W4



Tgt Ion: 75 Resp: 12317
Ion Ratio Lower Upper
75 100
77 32.2 26.5 39.7
110 2.7 31.8 47.8#

