

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120922\
 Data File : VW029584.D
 Acq On : 10 Dec 2022 16:25
 Operator : SY/MD
 Sample : N5928-19 50X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 78 Sample Multiplier: 1

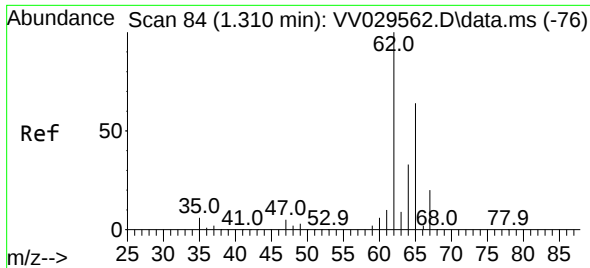
Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ80

Quant Time: Dec 12 00:07:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 10 07:45:47 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	533060	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	493208	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	253724	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	120499	36.915	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.820%
7) Chloroethane-d5	1.565	69	103970	41.771	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.540%
11) 1,1-Dichloroethene-d2	2.105	63	158046	31.042	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.080%
21) 2-Butanone-d5	3.873	46	179572	90.180	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.180%
24) Chloroform-d	4.339	84	237328	38.636	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.280%
26) 1,2-Dichloroethane-d4	5.024	65	145476	41.466	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.940%
32) Benzene-d6	5.043	84	510587	39.179	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.360%
36) 1,2-Dichloropropane-d6	6.063	67	158005	39.692	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	79.380%
41) Toluene-d8	7.310	98	462137	37.636	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	75.280%#
43) trans-1,3-Dichloroprop...	7.612	79	61003	30.348	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.700%
47) 2-Hexanone-d5	8.082	63	147588	86.823	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.820%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	223804	39.343	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	78.680%
66) 1,2-Dichlorobenzene-d4	11.612	152	188303	38.987	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.980%#
Target Compounds						Qvalue
5) Vinyl chloride	1.310	62	3896	0.973	ug/L #	47
8) Chloroethane	1.581	64	4455	1.997	ug/L	96
19) 1,1-Dichloroethane	3.185	63	36959	6.571	ug/L	97
20) cis-1,2-Dichloroethene	3.902	96	73136	20.258	ug/L	93
30) 1,1,1-Trichloroethane	4.603	97	43038	8.009	ug/L	99
31) Carbon tetrachloride	4.603	117	5864	1.250	ug/L	98
48) 2-Hexanone	8.082	43	14607	4.779	ug/L #	64

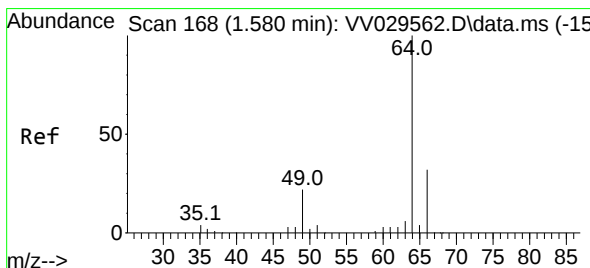
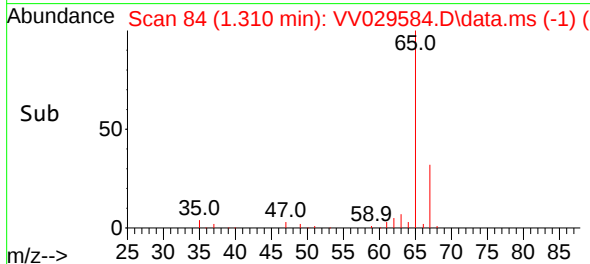
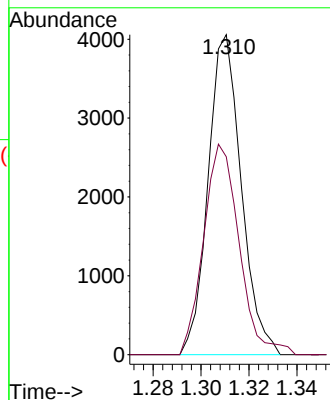
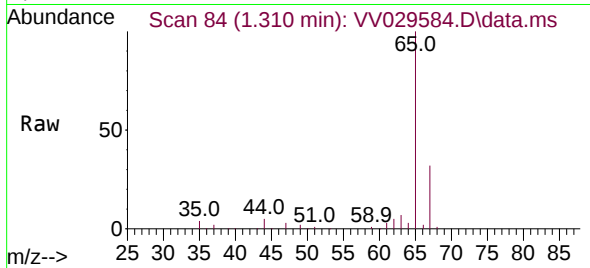
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#5
 Vinyl chloride
 Concen: 0.973 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV029584.D
 Acq: 10 Dec 2022 16:25

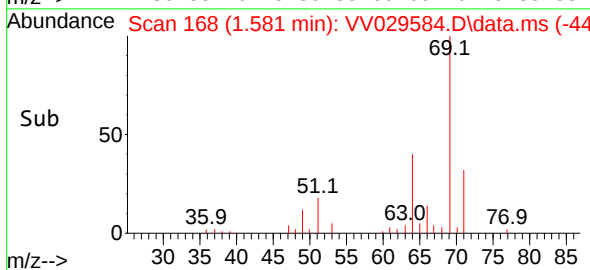
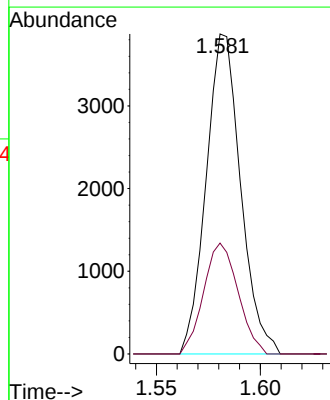
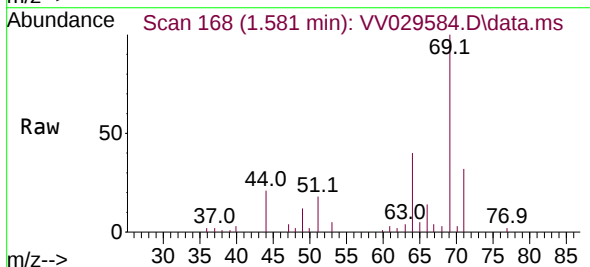
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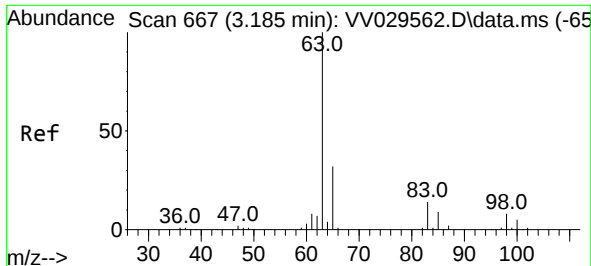
Tgt Ion: 62 Resp: 3896
 Ion Ratio Lower Upper
 62 100
 64 61.8 22.5 41.9#



#8
 Chloroethane
 Concen: 1.997 ug/L
 RT: 1.581 min Scan# 168
 Delta R.T. 0.000 min
 Lab File: VV029584.D
 Acq: 10 Dec 2022 16:25

Tgt Ion: 64 Resp: 4455
 Ion Ratio Lower Upper
 64 100
 66 34.7 22.5 41.9





#19

1,1-Dichloroethane

Concen: 6.571 ug/L

RT: 3.185 min Scan# 6

Delta R.T. 0.000 min

Lab File: VV029584.D

Acq: 10 Dec 2022 16:25

Instrument :

MSVOA_V

ClientSampleId :

EXZ80

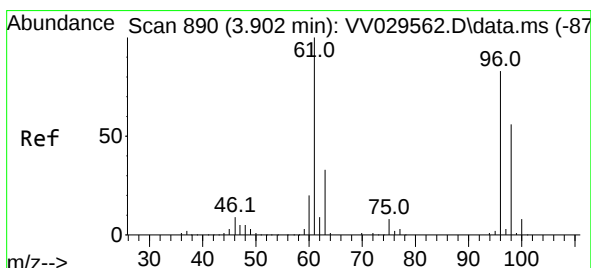
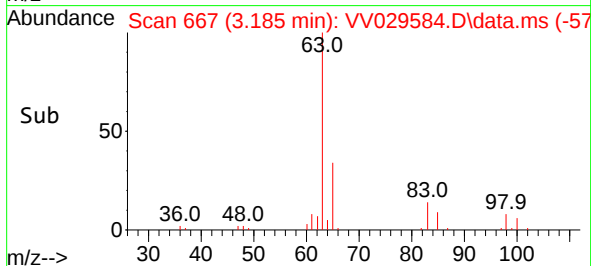
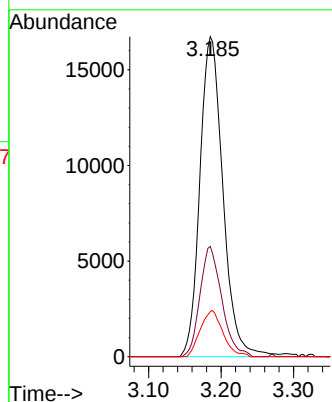
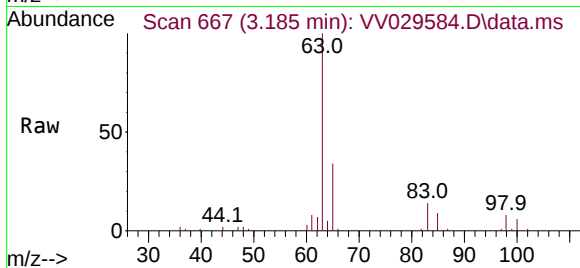
Tgt Ion: 63 Resp: 36959

Ion Ratio Lower Upper

63 100

65 34.4 22.5 41.7

83 14.0 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 20.258 ug/L

RT: 3.902 min Scan# 890

Delta R.T. 0.000 min

Lab File: VV029584.D

Acq: 10 Dec 2022 16:25

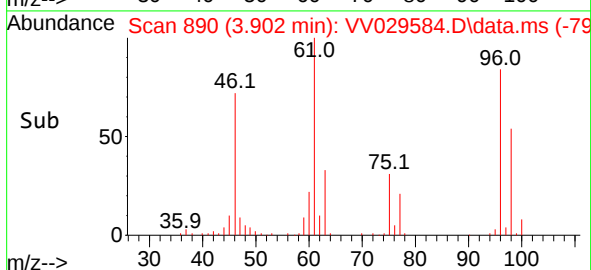
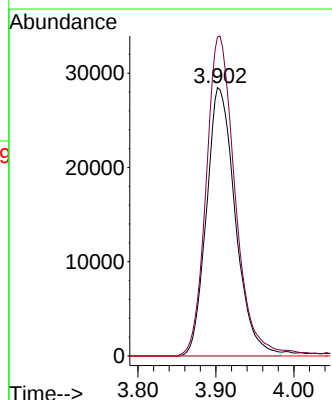
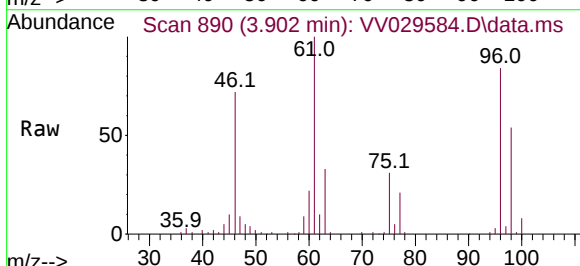
Tgt Ion: 96 Resp: 73136

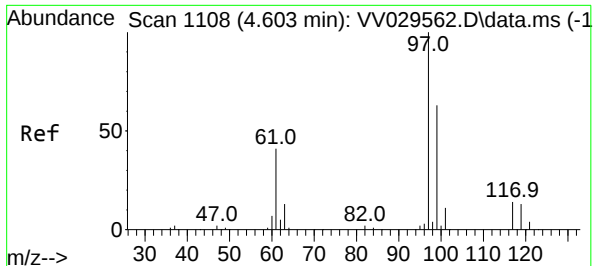
Ion Ratio Lower Upper

96 100

61 118.9 78.0 144.9

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 8.009 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VV029584.D

Acq: 10 Dec 2022 16:25

Instrument :

MSVOA_V

ClientSampleId :

EXZ80

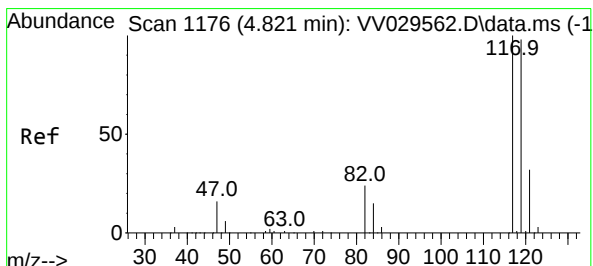
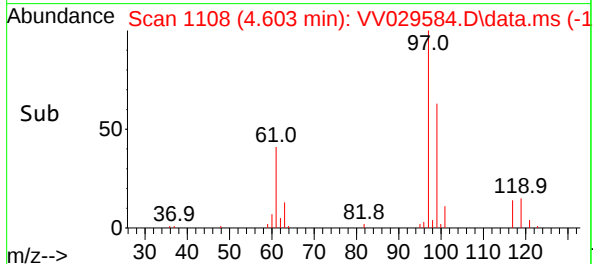
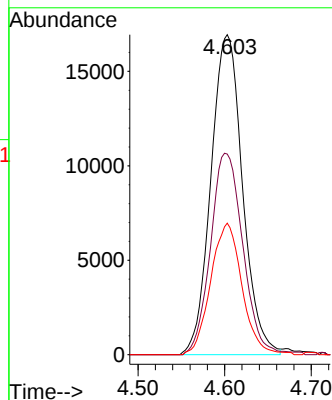
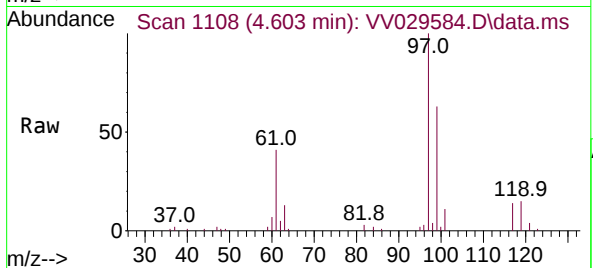
Tgt Ion: 97 Resp: 43038

Ion Ratio Lower Upper

97 100

99 64.4 52.1 78.1

61 40.7 31.8 47.8



#31

Carbon tetrachloride

Concen: 1.250 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. -0.219 min

Lab File: VV029584.D

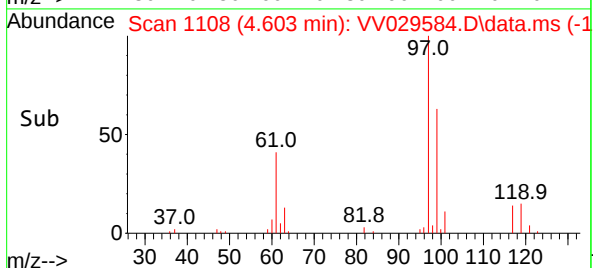
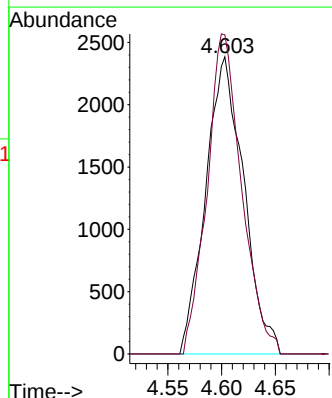
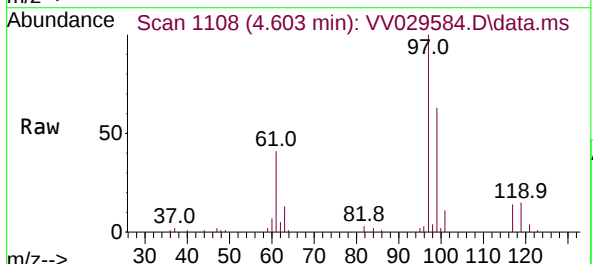
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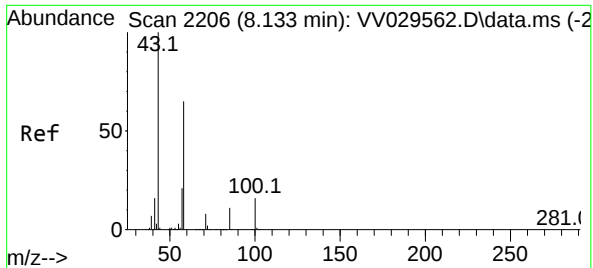
Tgt Ion: 117 Resp: 5864

Ion Ratio Lower Upper

117 100

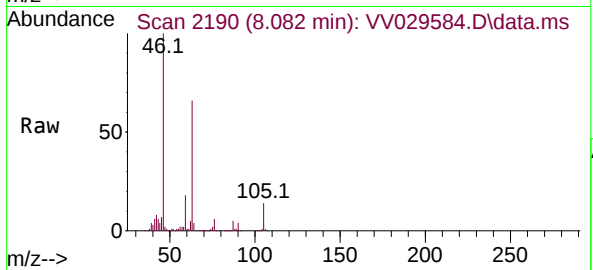
119 98.0 76.7 115.1





#48
 2-Hexanone
 Concen: 4.779 ug/L
 RT: 8.082 min Scan# 21
 Delta R.T. -0.051 min
 Lab File: VV029584.D
 Acq: 10 Dec 2022 16:25

Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ80



Tgt Ion: 43	Resp: 14607
Ion Ratio	Lower Upper
43	100
58	34.2 54.1 81.1#
57	29.1 17.4 26.0#
100	0.6 13.6 20.4#

