

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112022\
 Data File : VW029226.D
 Acq On : 20 Nov 2022 15:37
 Operator : SY/MD
 Sample : N5652-03
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 21 00:58:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Nov 21 00:54:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	302413	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	275547	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.243	152	121747	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	92936	5.041	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 100.800%		
7) Chloroethane-d5	1.568	69	79198	4.886	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 97.800%		
11) 1,1-Dichloroethene-d2	2.105	63	121613	3.620	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 72.400%		
20) 2-Butanone-d5	3.905	46	181442	58.791	ug/L	0.02
Spiked Amount	50.000	Range 40 - 130	Recovery	= 117.580%		
24) Chloroform-d	4.342	84	177812	4.698	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 94.000%		
26) 1,2-Dichloroethane-d4	5.027	65	85338	5.011	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 100.200%		
32) Benzene-d6	5.043	84	374188	4.550	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 91.000%		
36) 1,2-Dichloropropane-d6	6.063	67	109586	4.772	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 95.400%		
41) Toluene-d8	7.310	98	325420	4.395	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 88.000%		
43) trans-1,3-Dichloroprop...	7.619	79	33341	4.451	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 89.000%		
46) 2-Hexanone-d5	8.088	63	152970	47.843	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 95.680%		
56) 1,1,2,2-Tetrachloroeth...	10.207	84	78185	4.910	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 98.200%		
66) 1,2-Dichlorobenzene-d4	11.615	152	115046	5.282	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 105.600%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.130	85	15174	0.602	ug/L	97
3) Chloromethane	1.240	50	3209	0.153	ug/L	93
8) Chloroethane	1.310	64	1737	0.124	ug/L	85
9) Trichlorofluoromethane	1.751	101	10407	0.323	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.105	101	1743	0.096	ug/L #	43
17) Methyl tert-butyl Ether	2.767	73	12540	0.319	ug/L	97
22) cis-1,2-Dichloroethene	3.915	96	1589	0.074	ug/L	90
25) Chloroform	4.368	83	15945	0.438	ug/L	95
27) 1,2-Dichloroethane	5.043	62	1737	0.093	ug/L	98
29) 1,1,1-Trichloroethane	4.600	97	667	0.021	ug/L #	75
34) Trichloroethene	5.915	95	15113	0.701	ug/L	94
35) Methylcyclohexane	6.063	83	27012	0.713	ug/L #	21
37) 1,2-Dichloropropane	6.066	63	11391	0.587	ug/L #	85
38) Bromodichloromethane	6.516	83	973	0.040	ug/L #	87
47) Tetrachloroethene	7.973	164	14241	0.825	ug/L	97
49) Dibromochloromethane	7.973	129	12463	0.811	ug/L #	10
61) 1,2,3-Trichloropropane	11.243	75	13386	1.609	ug/L #	65

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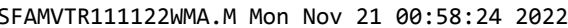
Instrument :
MSVOA_V
ClientSampleId :

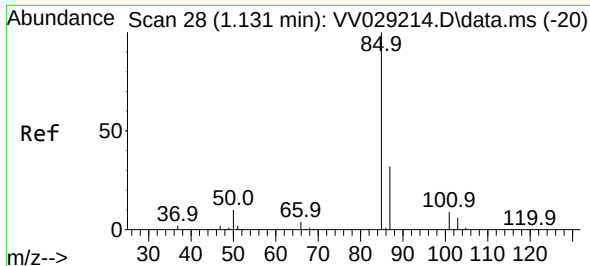
Quant Time: Nov 21 00:58:17 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Nov 21 00:54:18 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

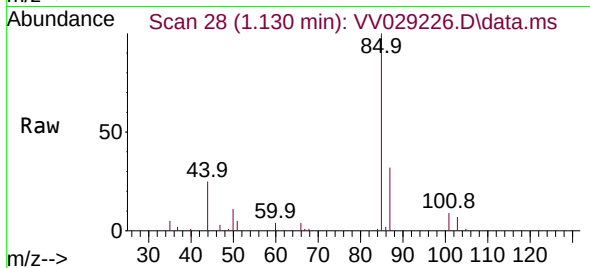
Quant Time: Nov 21 00:58:17 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
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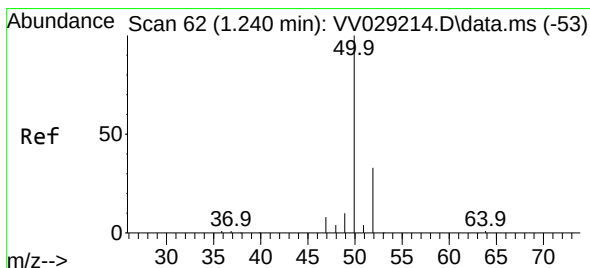
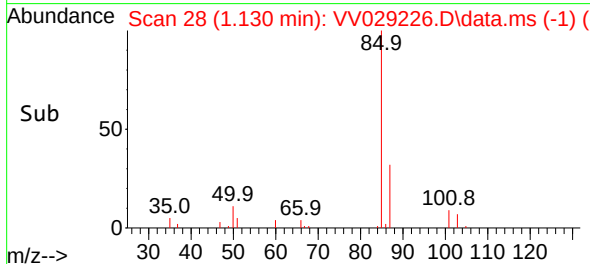
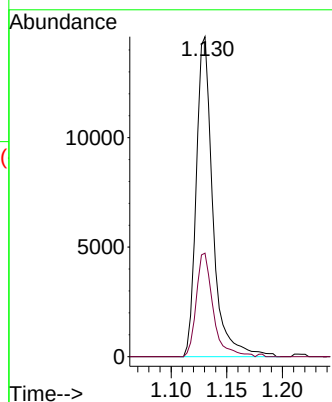


#2
 Dichlorodifluoromethane
 Concen: 0.602 ug/L
 RT: 1.130 min Scan# 28
 Delta R.T. -0.000 min
 Lab File: VV029226.D
 Acq: 20 Nov 2022 15:37

Instrument :
 MSVOA_V
 ClientSampleId :

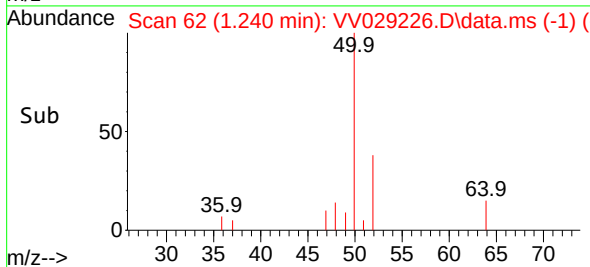
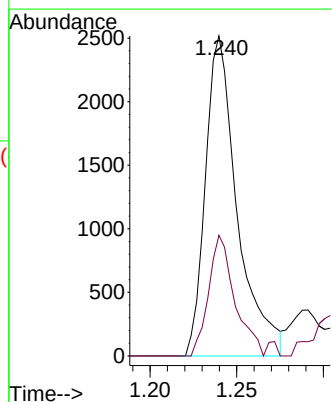
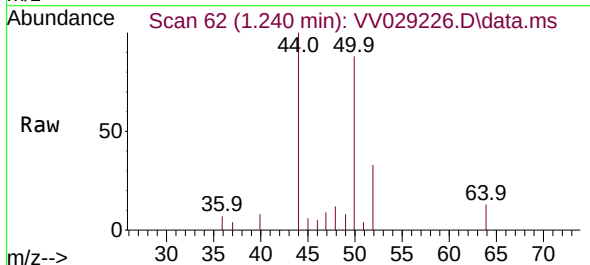


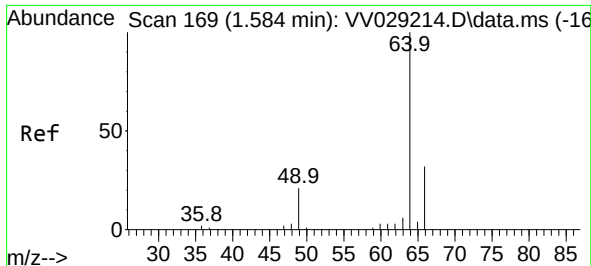
Tgt Ion: 85 Resp: 15174
 Ion Ratio Lower Upper
 85 100
 87 32.9 25.0 37.4



#3
 Chloromethane
 Concen: 0.153 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV029226.D
 Acq: 20 Nov 2022 15:37

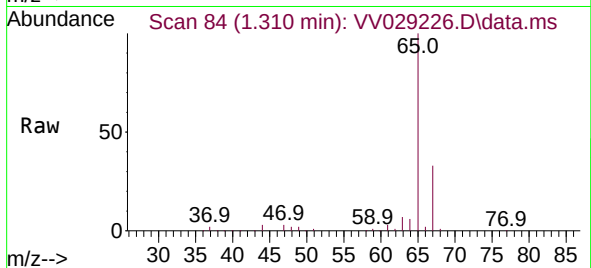
Tgt Ion: 50 Resp: 3209
 Ion Ratio Lower Upper
 50 100
 52 37.7 23.7 43.9



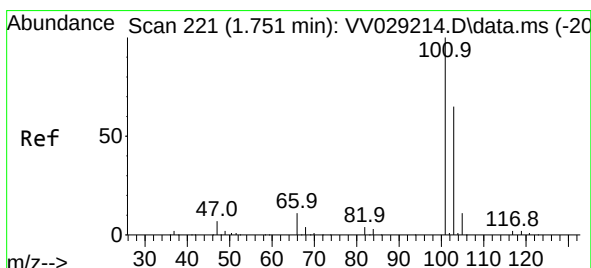
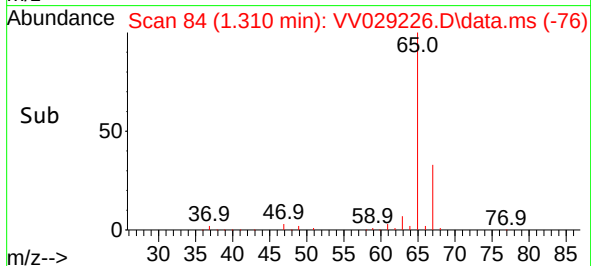
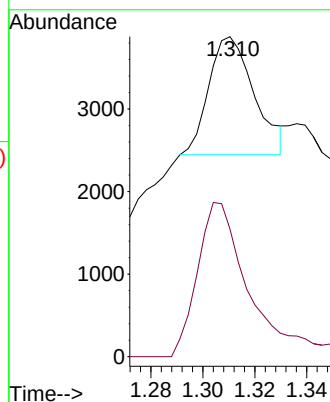


#8
Chloroethane
Concen: 0.124 ug/L
RT: 1.310 min Scan# 84
Delta R.T. -0.273 min
Lab File: VV029226.D
Acq: 20 Nov 2022 15:37

Instrument :
MSVOA_V
ClientSampleId :

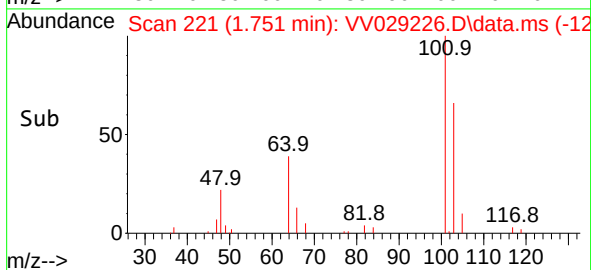
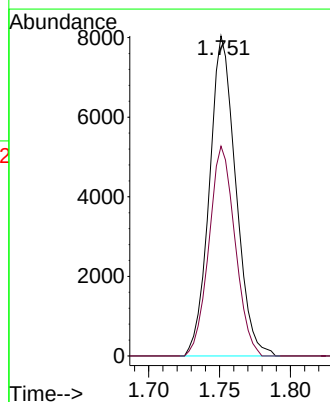
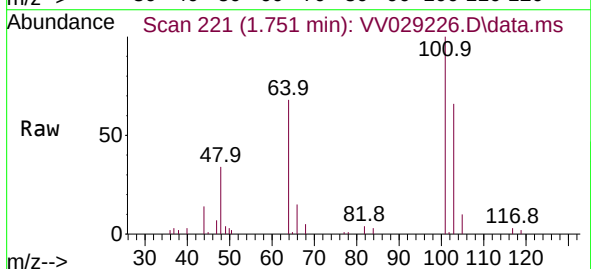


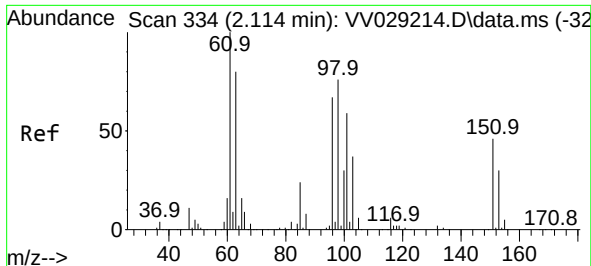
Tgt Ion: 64 Resp: 1737
Ion Ratio Lower Upper
64 100
66 39.9 22.0 40.8



#9
Trichlorofluoromethane
Concen: 0.323 ug/L
RT: 1.751 min Scan# 221
Delta R.T. -0.000 min
Lab File: VV029226.D
Acq: 20 Nov 2022 15:37

Tgt Ion:101 Resp: 10407
Ion Ratio Lower Upper
101 100
103 64.7 51.3 76.9

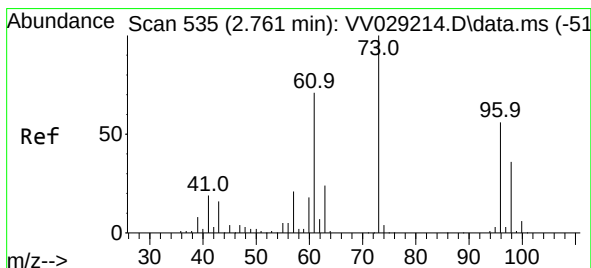
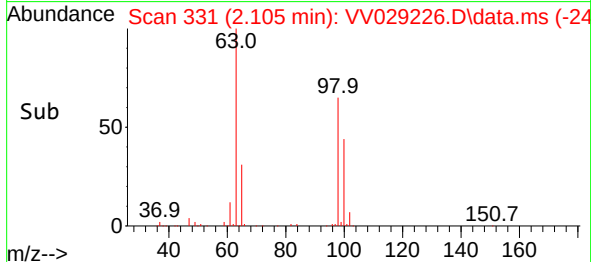
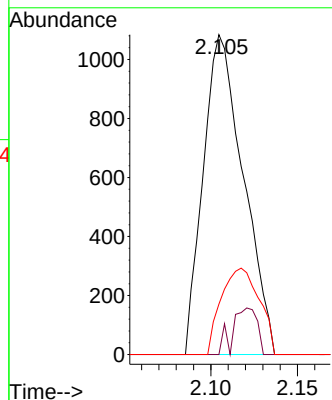
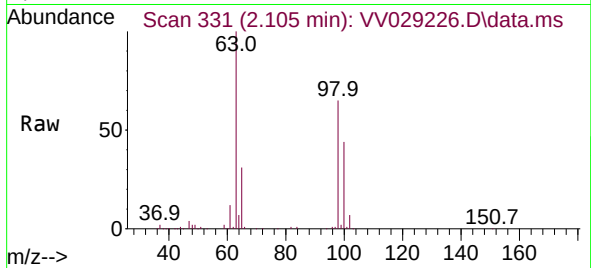




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.096 ug/L
 RT: 2.105 min Scan# 31
 Delta R.T. -0.010 min
 Lab File: VV029226.D
 Acq: 20 Nov 2022 15:37

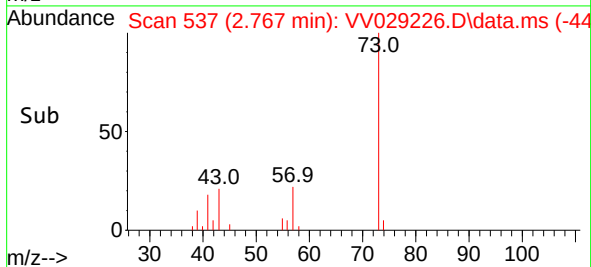
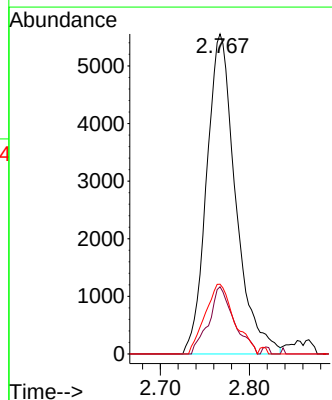
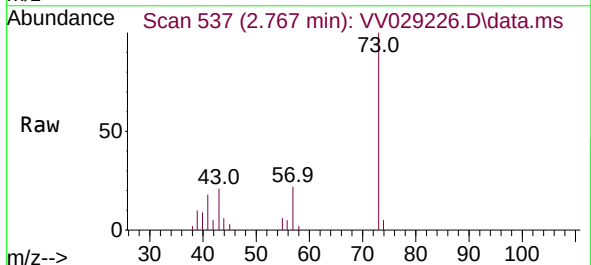
Instrument :
 MSVOA_V
 ClientSampleId :

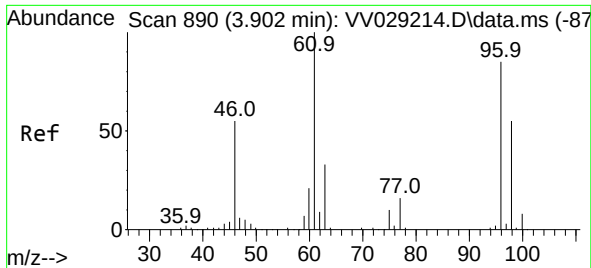
Tgt Ion:101 Resp: 1743
 Ion Ratio Lower Upper
 101 100
 85 8.9 32.9 49.3#
 151 25.7 62.5 93.7#



#17
 Methyl tert-butyl Ether
 Concen: 0.319 ug/L
 RT: 2.767 min Scan# 537
 Delta R.T. 0.006 min
 Lab File: VV029226.D
 Acq: 20 Nov 2022 15:37

Tgt Ion: 73 Resp: 12540
 Ion Ratio Lower Upper
 73 100
 43 18.2 13.0 19.4
 57 21.9 16.6 24.8





#22

cis-1,2-Dichloroethene

Concen: 0.074 ug/L

RT: 3.915 min Scan# 894

Delta R.T. 0.013 min

Lab File: VV029226.D

Acq: 20 Nov 2022 15:37

Instrument :

MSVOA_V

ClientSampleId :

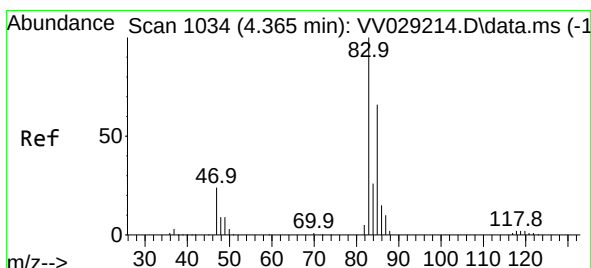
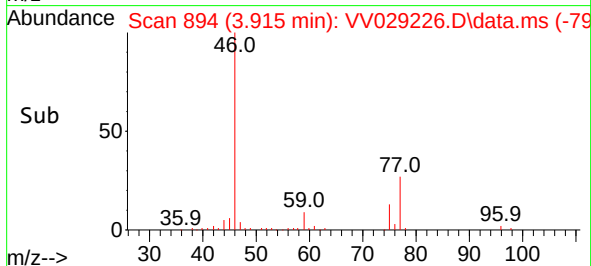
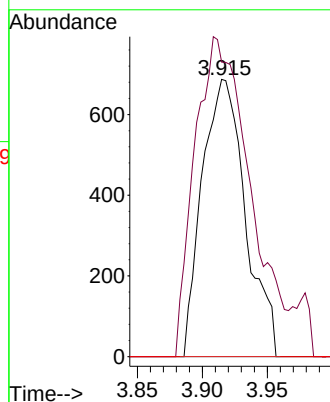
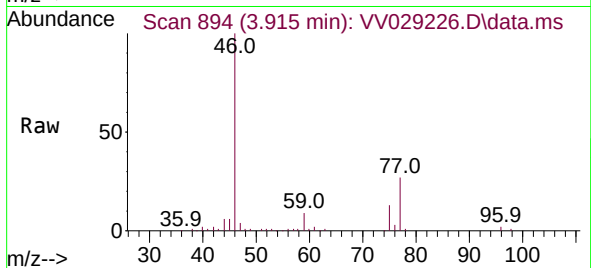
Tgt Ion: 96 Resp: 1589

Ion Ratio Lower Upper

96 100

61 106.3 82.3 152.9

68 0.0 0.0 0.0



#25

Chloroform

Concen: 0.438 ug/L

RT: 4.368 min Scan# 1035

Delta R.T. 0.003 min

Lab File: VV029226.D

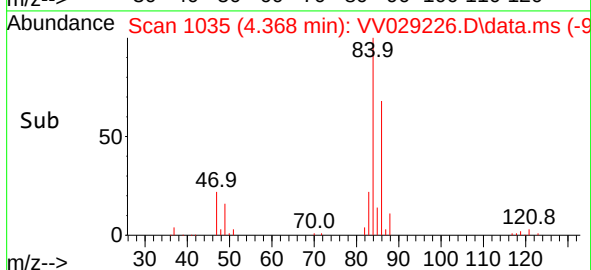
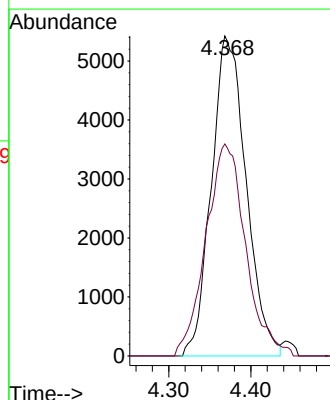
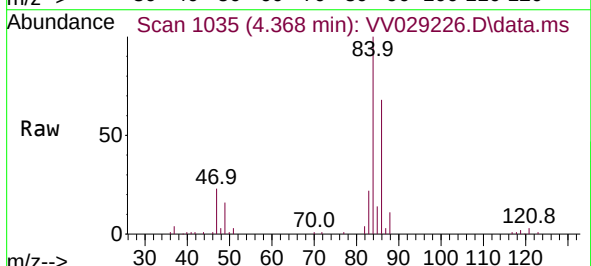
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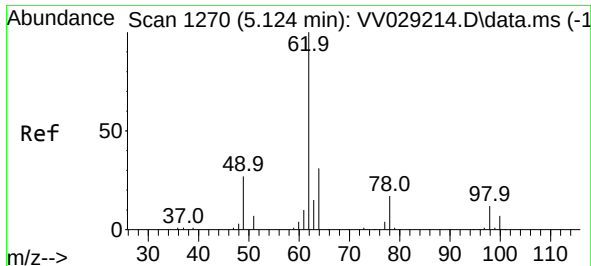
Tgt Ion: 83 Resp: 15945

Ion Ratio Lower Upper

83 100

85 66.3 43.7 81.1





#27

1,2-Dichloroethane

Concen: 0.093 ug/L

RT: 5.043 min Scan# 1107

Delta R.T. -0.080 min

Lab File: VV029226.D

Acq: 20 Nov 2022 15:37

Instrument :

MSVOA_V

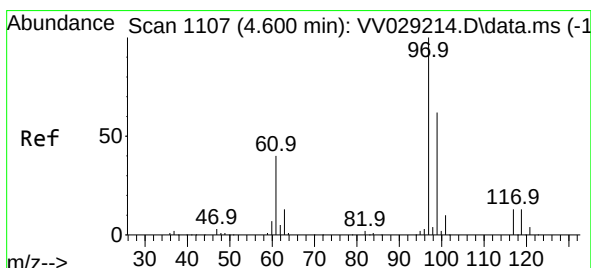
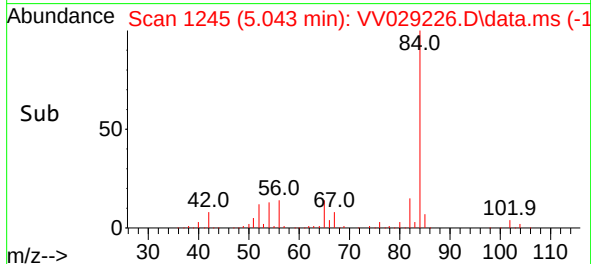
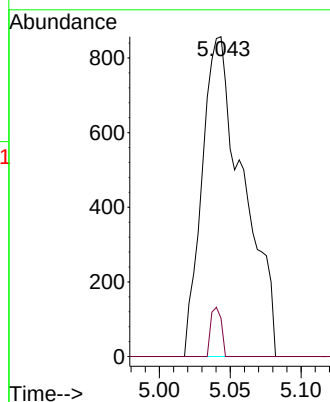
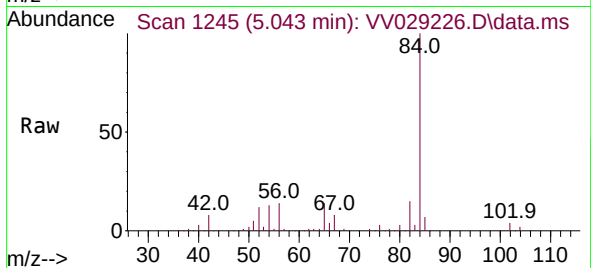
ClientSampleId :

Tgt Ion: 62 Resp: 1737

Ion Ratio Lower Upper

62 100

98 12.0 9.0 13.6



#29

1,1,1-Trichloroethane

Concen: 0.021 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. -0.000 min

Lab File: VV029226.D

Acq: 20 Nov 2022 15:37

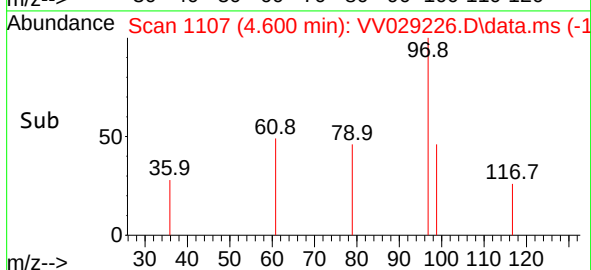
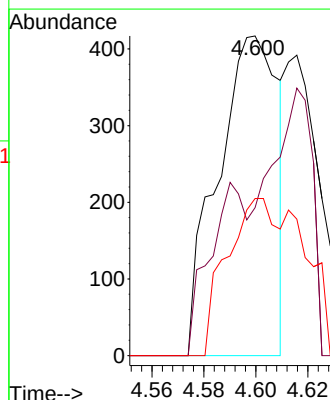
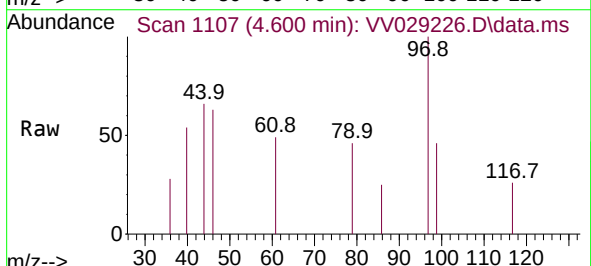
Tgt Ion: 97 Resp: 667

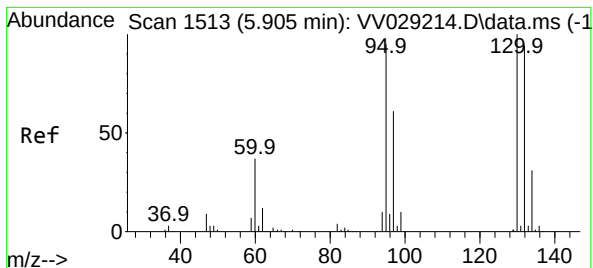
Ion Ratio Lower Upper

97 100

99 33.4 52.7 79.1#

61 42.0 33.8 50.6





#34

Trichloroethene

Concen: 0.701 ug/L

RT: 5.915 min Scan# 1513

Delta R.T. 0.010 min

Lab File: VV029226.D

Acq: 20 Nov 2022 15:37

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 15113

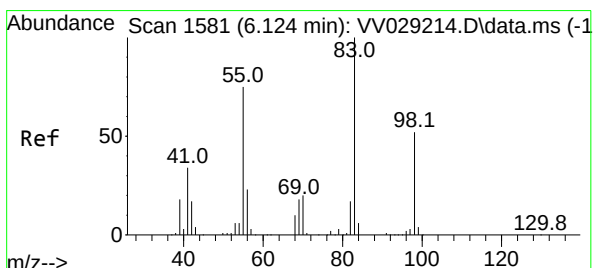
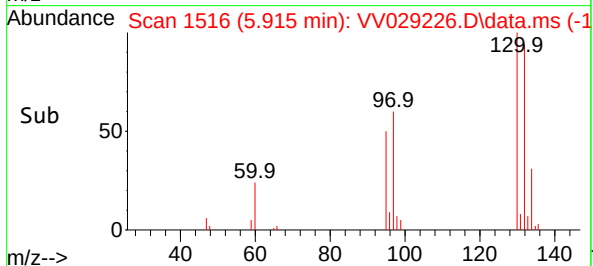
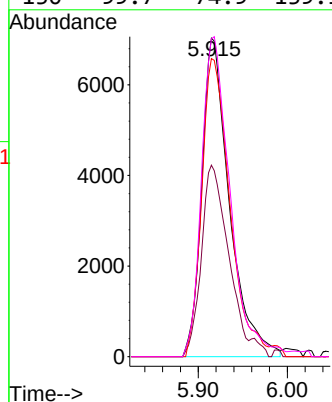
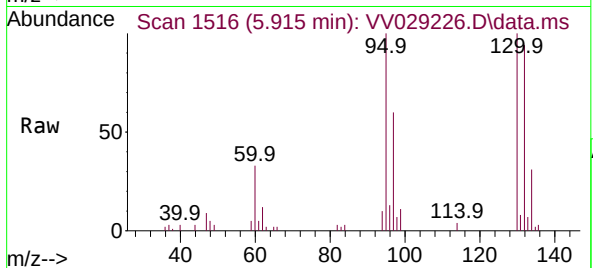
Ion Ratio Lower Upper

95 100

97 60.1 45.6 84.8

132 93.6 69.1 128.3

130 99.7 74.9 139.1



#35

Methylcyclohexane

Concen: 0.713 ug/L

RT: 6.063 min Scan# 1562

Delta R.T. -0.061 min

Lab File: VV029226.D

Acq: 20 Nov 2022 15:37

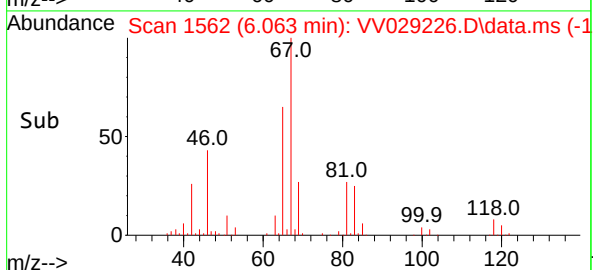
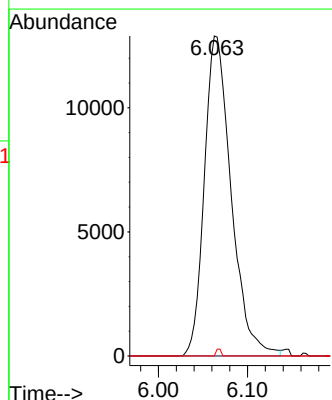
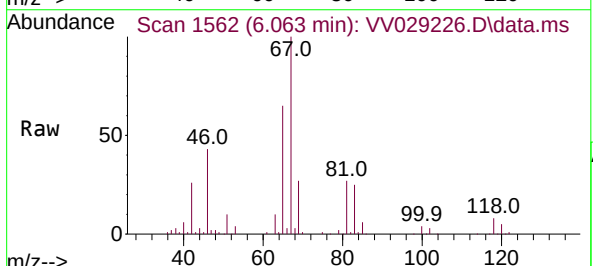
Tgt Ion: 83 Resp: 27012

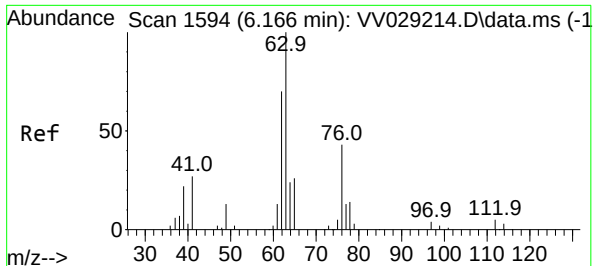
Ion Ratio Lower Upper

83 100

55 0.0 55.8 83.6#

98 0.4 38.2 57.2#





#37

1,2-Dichloropropane

Concen: 0.587 ug/L

RT: 6.066 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV029226.D

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MSVOA_V

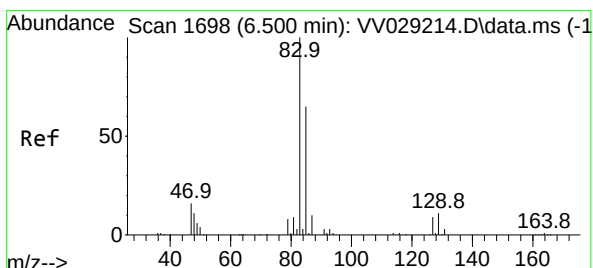
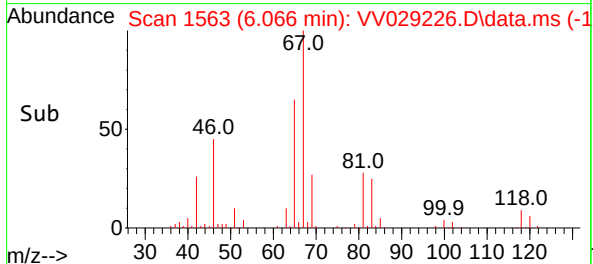
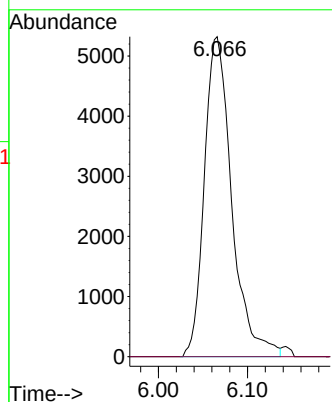
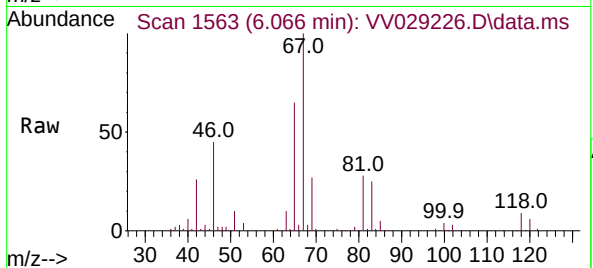
ClientSampleId :

Tgt Ion: 63 Resp: 11391

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#



#38

Bromodichloromethane

Concen: 0.040 ug/L

RT: 6.516 min Scan# 1703

Delta R.T. 0.016 min

Lab File: VV029226.D

Acq: 20 Nov 2022 15:37

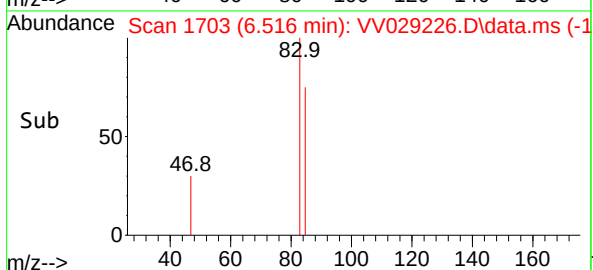
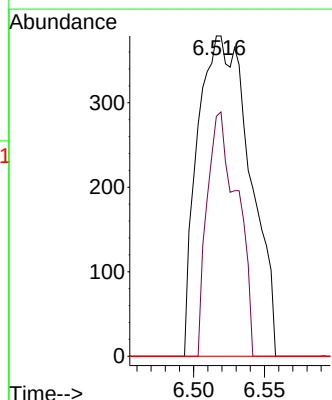
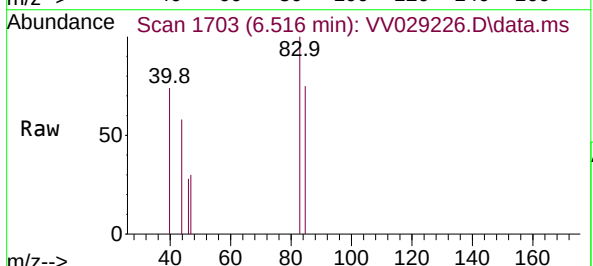
Tgt Ion: 83 Resp: 973

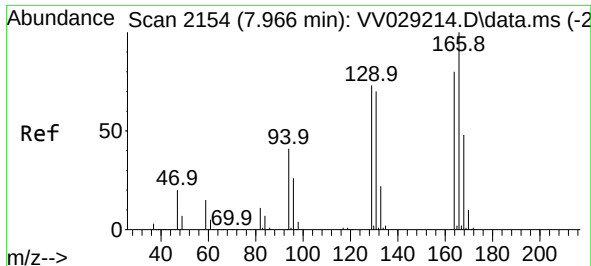
Ion Ratio Lower Upper

83 100

85 74.9 46.1 85.5

127 0.0 6.7 10.1#





#47

Tetrachloroethene

Concen: 0.825 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. 0.006 min

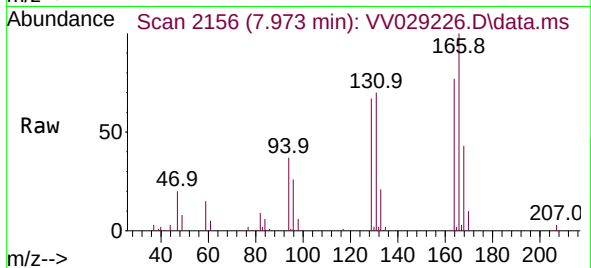
Lab File: VV029226.D

Acq: 20 Nov 2022 15:37

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 14241

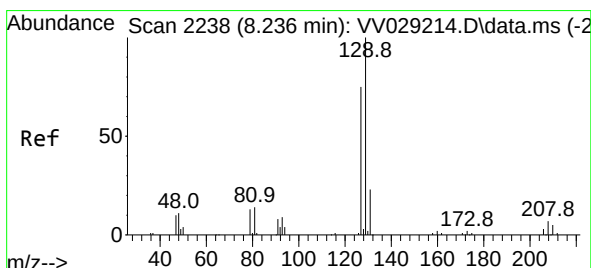
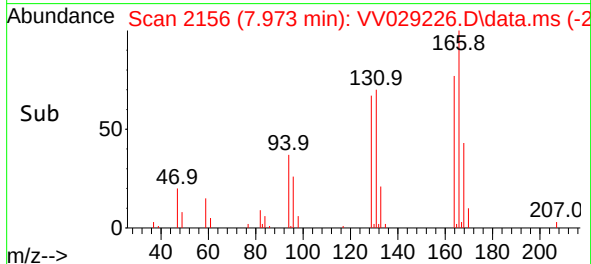
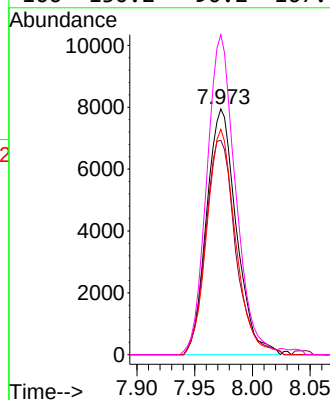
Ion Ratio Lower Upper

164 100

129 87.2 63.9 118.7

131 91.7 61.8 114.8

166 130.2 90.2 167.4



#49

Dibromochloromethane

Concen: 0.811 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.264 min

Lab File: VV029226.D

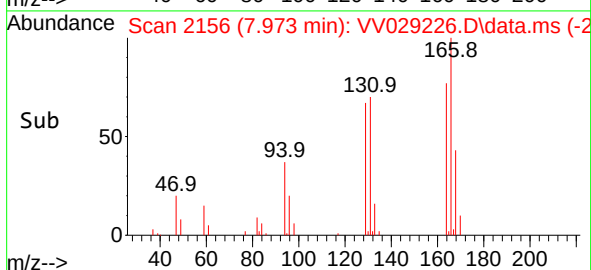
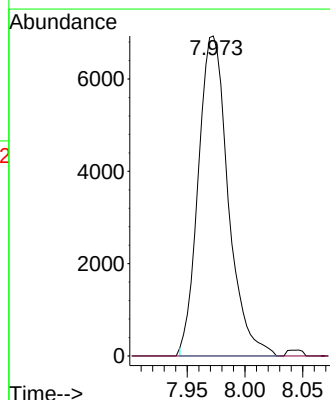
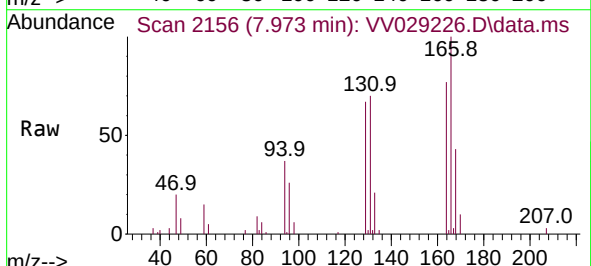
Acq: 20 Nov 2022 15:37

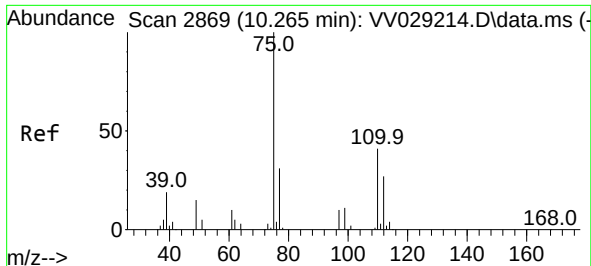
Tgt Ion:129 Resp: 12463

Ion Ratio Lower Upper

129 100

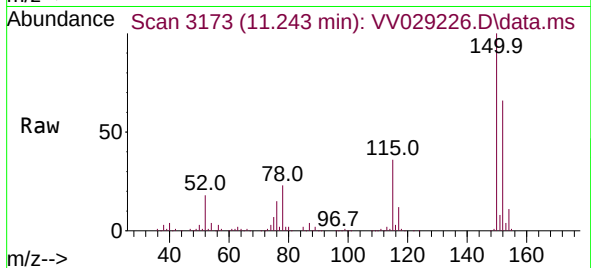
127 0.0 54.5 101.1#





#61
 1,2,3-Trichloropropane
 Concen: 1.609 ug/L
 RT: 11.243 min Scan# 31
 Delta R.T. 0.977 min
 Lab File: VV029226.D
 Acq: 20 Nov 2022 15:37

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75 Resp: 13386
 Ion Ratio Lower Upper
 75 100
 77 30.7 26.2 39.2
 110 2.8 32.6 48.8#

