

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111021\
 Data File : VV023354.D
 Acq On : 11 Nov 2021 00:36
 Operator : SY/MD
 Sample : M4558-13
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 11 03:55:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 11 03:34:54 2021
 Response via : Initial Calibration

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

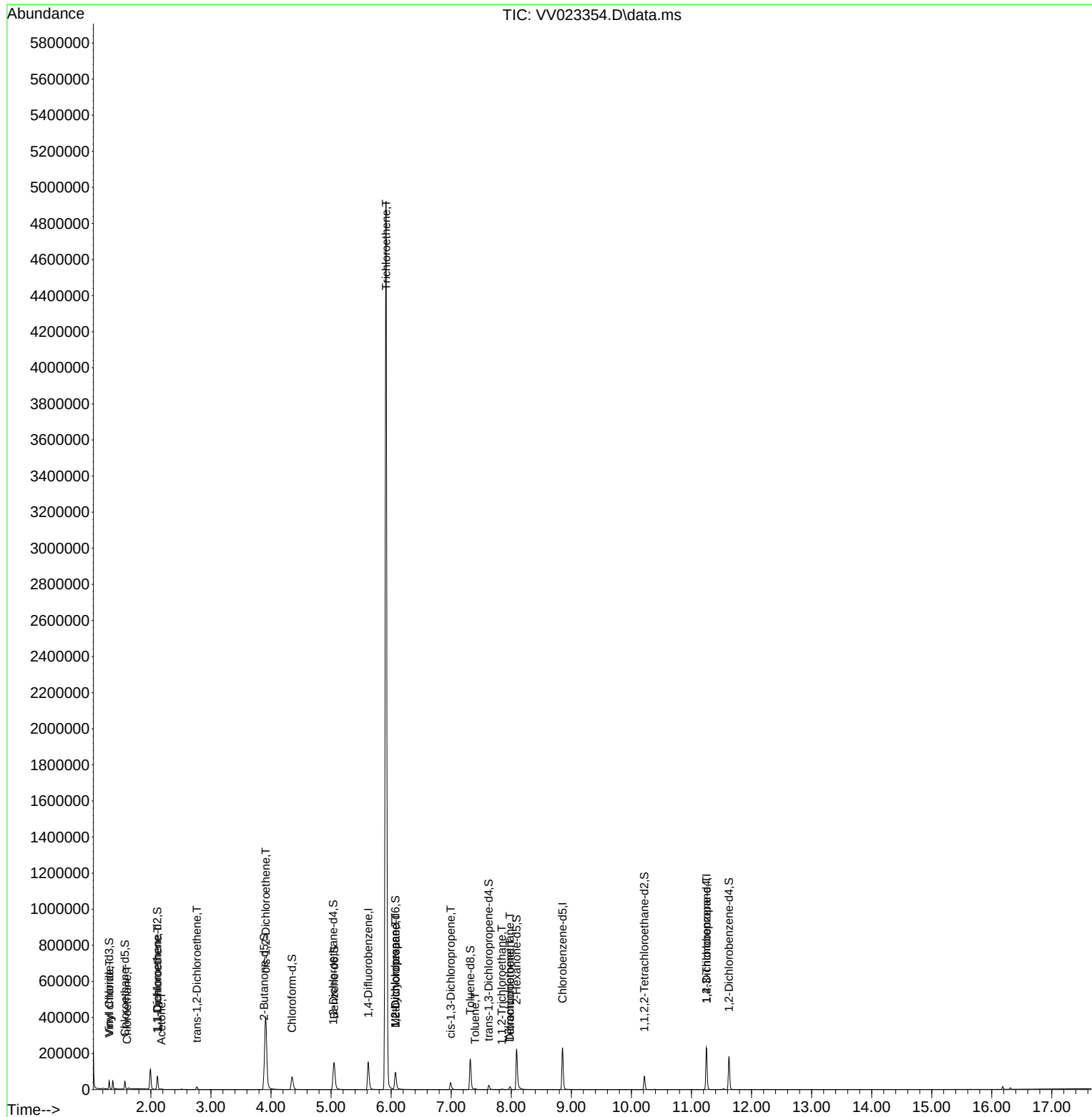
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	132106	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	128458	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	62246	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	24665	2.980	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	59.600%
7) Chloroethane-d5	1.568	69	24285	3.600	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.000%
11) 1,1-Dichloroethene-d2	2.108	63	37274	2.406	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	48.200%#
20) 2-Butanone-d5	3.886	46	99515	69.796	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	139.600%#
24) Chloroform-d	4.352	84	72533	4.112	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.200%
26) 1,2-Dichloroethane-d4	5.037	65	36459	4.597	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.000%
32) Benzene-d6	5.053	84	132388	4.017	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.400%
36) 1,2-Dichloropropane-d6	6.072	67	44803	4.618	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.400%
41) Toluene-d8	7.317	98	111549	3.612	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.200%
43) trans-1,3-Dichloroprop...	7.625	79	13315	3.619	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.400%
46) 2-Hexanone-d5	8.088	63	72815	53.793	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.580%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	34061	4.882	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.600%
66) 1,2-Dichlorobenzene-d4	11.625	152	48264	4.657	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.200%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.310	62	840	0.077	ug/L #	32
8) Chloroethane	1.603	64	2401	0.380	ug/L #	57
12) 1,1-Dichloroethene	2.114	96	616	0.078	ug/L #	1
13) Acetone	2.175	43	3978	4.566	ug/L	94
18) trans-1,2-Dichloroethene	2.767	96	5401	0.558	ug/L	98
22) cis-1,2-Dichloroethene	3.912	96	214476	23.012	ug/L #	90
34) Trichloroethene	5.915	95	1616440	169.297	ug/L	99
35) Methylcyclohexane	6.072	83	11619	0.771	ug/L #	17
37) 1,2-Dichloropropane	6.072	63	4989	0.595	ug/L #	83
39) cis-1,3-Dichloropropene	6.992	75	1126	0.093	ug/L #	33
42) Toluene	7.400	91	3475	0.090	ug/L	98
45) 1,1,2-Trichloroethane	7.844	97	1037	0.172	ug/L #	90
47) Tetrachloroethene	7.979	164	3912	0.473	ug/L	96
49) Dibromochloromethane	7.979	129	3443	0.451	ug/L #	10
61) 1,2,3-Trichloropropane	11.249	75	6574	1.590	ug/L #	65

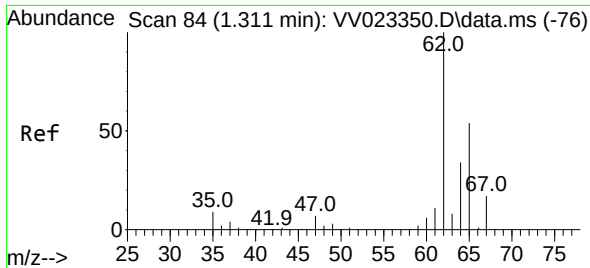
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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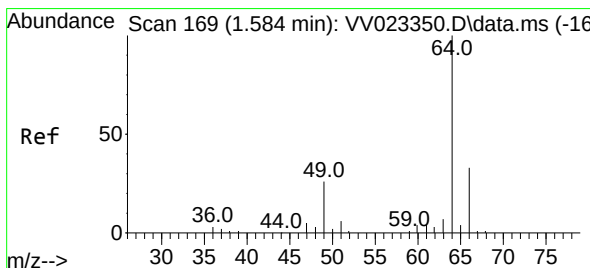
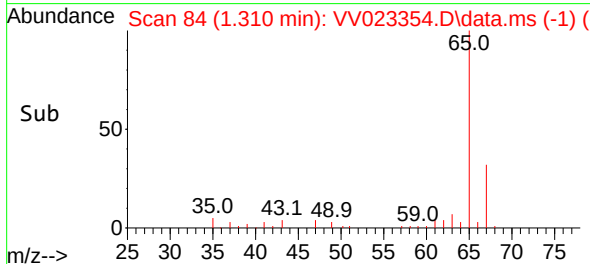
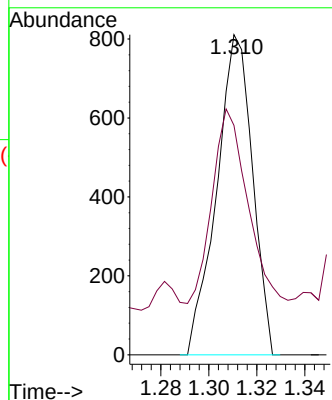
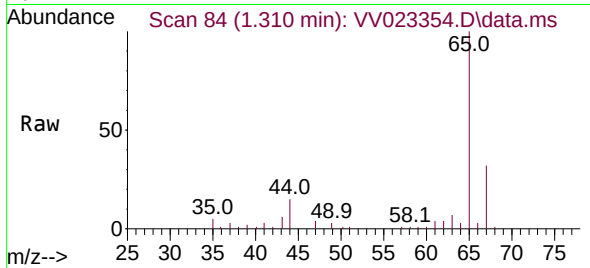




#5
 Vinyl chloride
 Concen: 0.077 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV023354.D
 Acq: 11 Nov 2021 00:36

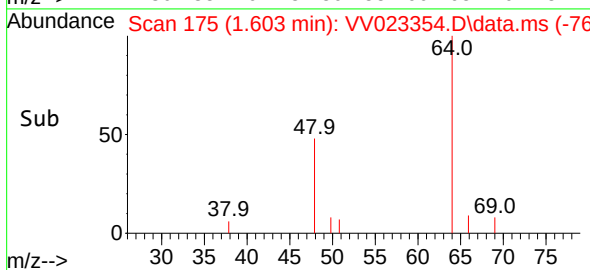
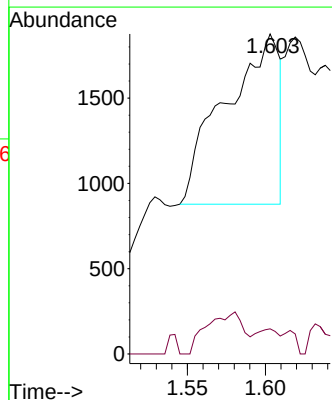
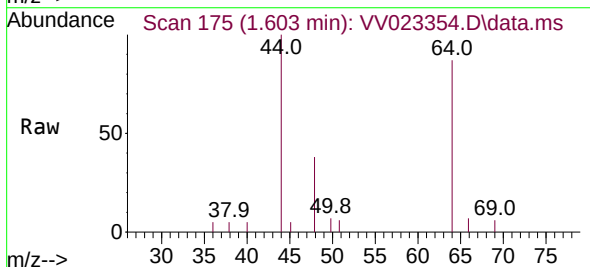
Instrument :
 MSVOA_V
 ClientSampleId :

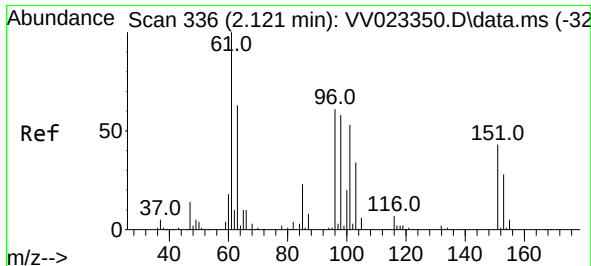
Tgt Ion: 62 Resp: 840
 Ion Ratio Lower Upper
 62 100
 64 71.6 23.1 42.9#



#8
 Chloroethane
 Concen: 0.380 ug/L
 RT: 1.603 min Scan# 175
 Delta R.T. 0.019 min
 Lab File: VV023354.D
 Acq: 11 Nov 2021 00:36

Tgt Ion: 64 Resp: 2401
 Ion Ratio Lower Upper
 64 100
 66 7.9 22.1 41.1#

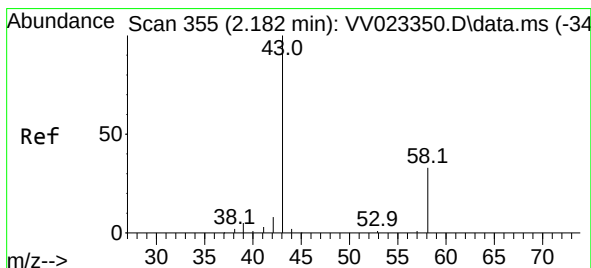
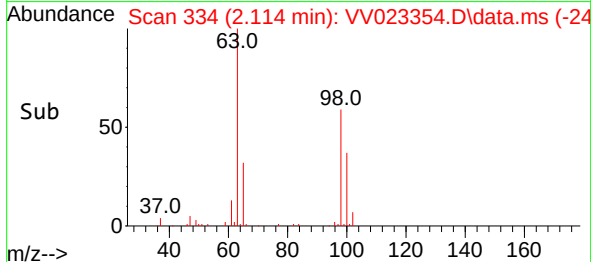
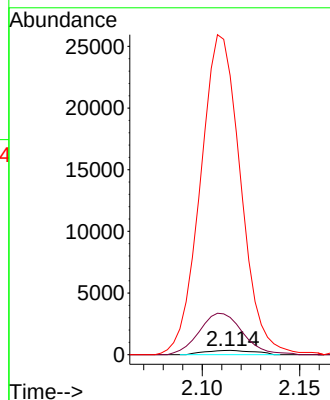
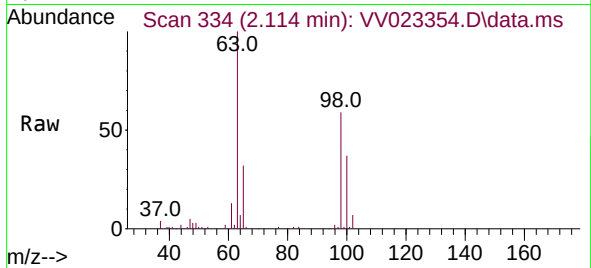




#12
1,1-Dichloroethene
Concen: 0.078 ug/L
RT: 2.114 min Scan# 31
Delta R.T. -0.007 min
Lab File: VV023354.D
Acq: 11 Nov 2021 00:36

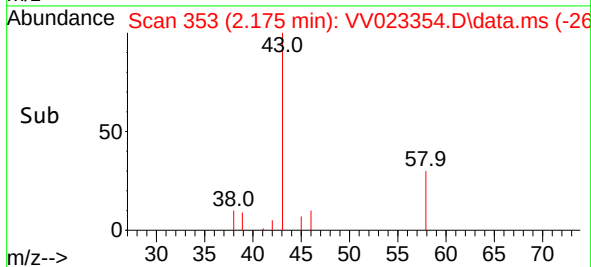
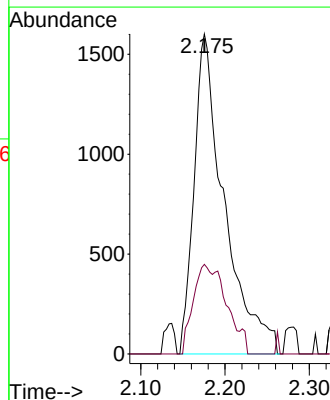
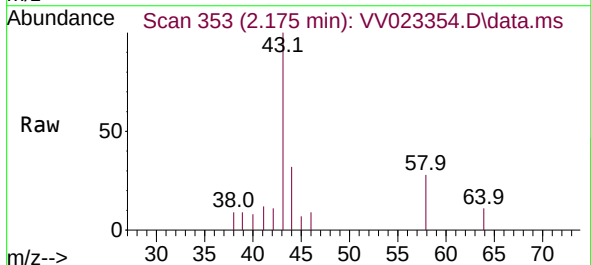
Instrument :
MSVOA_V
ClientSampleId :

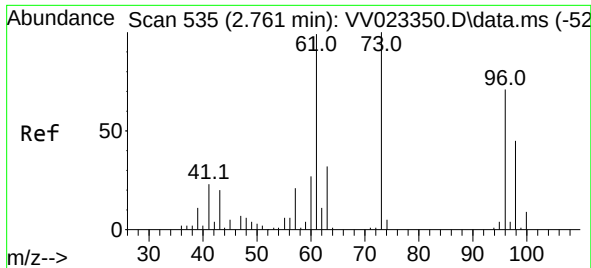
Tgt Ion: 96 Resp: 616
Ion Ratio Lower Upper
96 100
61 870.0 121.5 225.7#
63 6524.5 99.6 185.0#



#13
Acetone
Concen: 4.566 ug/L
RT: 2.175 min Scan# 353
Delta R.T. -0.007 min
Lab File: VV023354.D
Acq: 11 Nov 2021 00:36

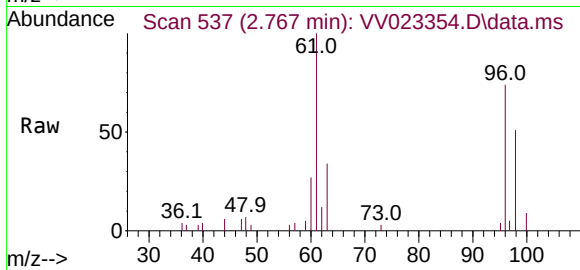
Tgt Ion: 43 Resp: 3978
Ion Ratio Lower Upper
43 100
58 31.0 0.0 55.4



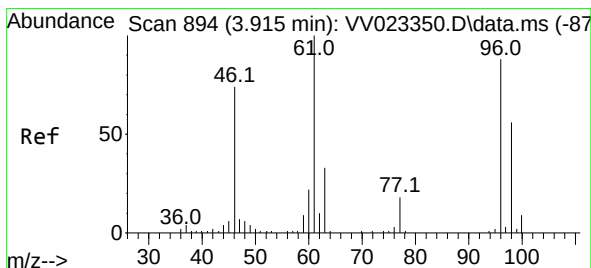
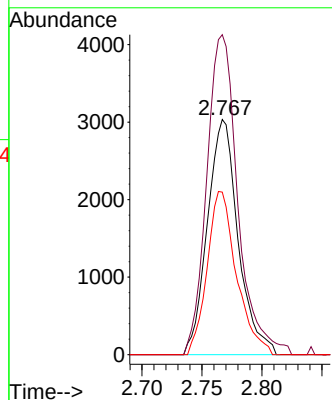
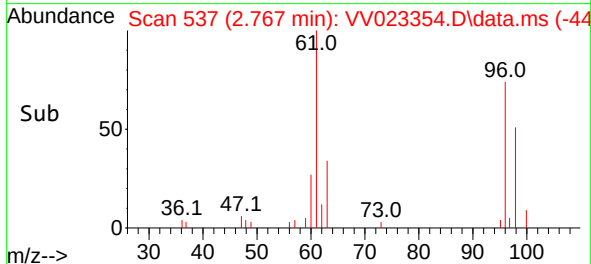


#18
trans-1,2-Dichloroethene
Concen: 0.558 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV023354.D
Acq: 11 Nov 2021 00:36

Instrument :
MSVOA_V
ClientSampleId :

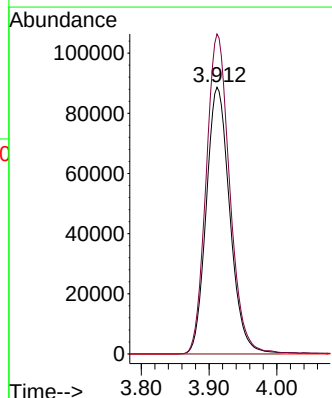
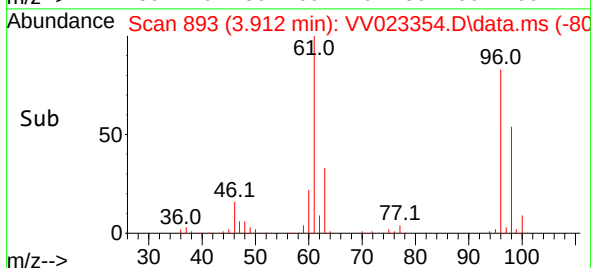
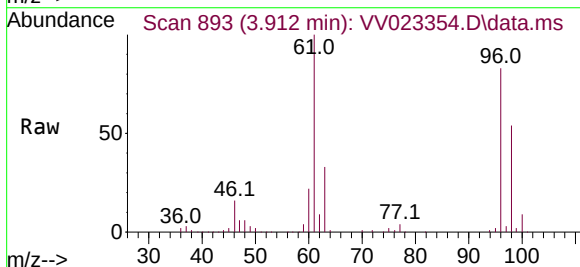


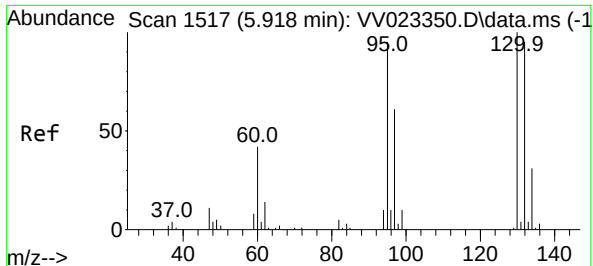
Tgt Ion: 96 Resp: 5401
Ion Ratio Lower Upper
96 100
61 136.0 93.2 173.2
98 69.1 47.0 87.2



#22
cis-1,2-Dichloroethene
Concen: 23.012 ug/L
RT: 3.912 min Scan# 893
Delta R.T. -0.003 min
Lab File: VV023354.D
Acq: 11 Nov 2021 00:36

Tgt Ion: 96 Resp: 214476
Ion Ratio Lower Upper
96 100
61 120.0 92.3 171.3
68 0.0 0.4 0.8





#34

Trichloroethene

Concen: 169.297 ug/L

RT: 5.915 min Scan# 1516

Delta R.T. -0.003 min

Lab File: VV023354.D

Acq: 11 Nov 2021 00:36

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 1616440

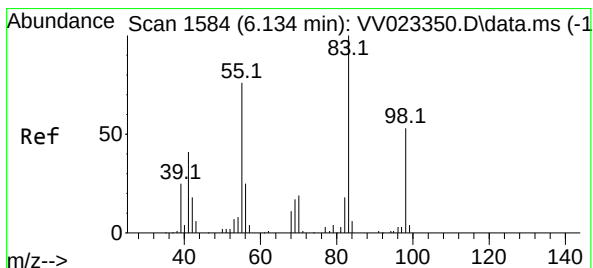
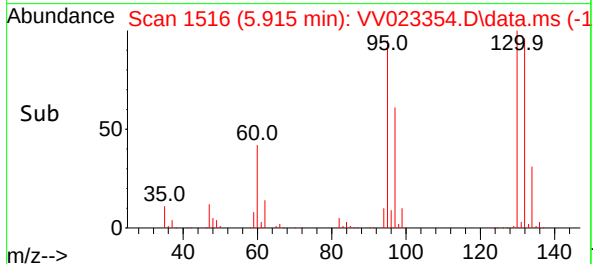
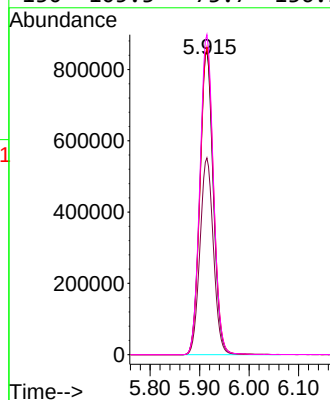
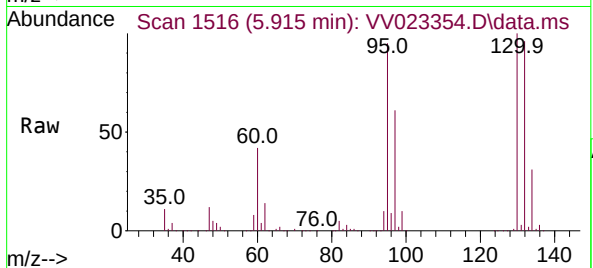
Ion Ratio Lower Upper

95 100

97 64.7 45.0 83.6

132 101.2 69.7 129.4

130 105.3 73.7 136.9



#35

Methylcyclohexane

Concen: 0.771 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.061 min

Lab File: VV023354.D

Acq: 11 Nov 2021 00:36

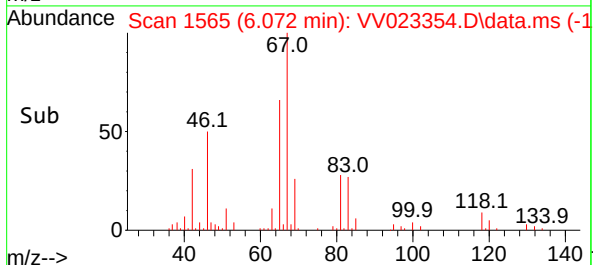
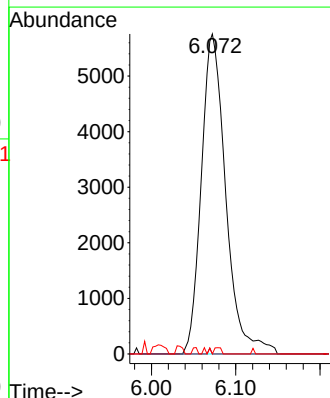
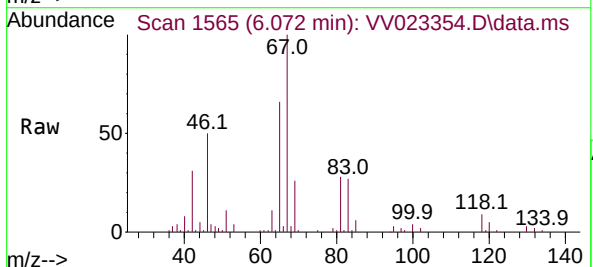
Tgt Ion: 83 Resp: 11619

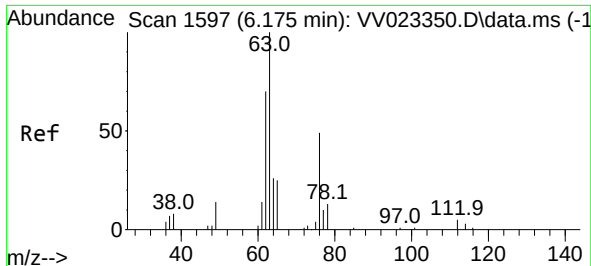
Ion Ratio Lower Upper

83 100

55 0.2 62.8 94.2#

98 0.0 37.9 56.9#





#37

1,2-Dichloropropane

Concen: 0.595 ug/L

RT: 6.072 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV023354.D

Acq: 11 Nov 2021 00:36

Instrument :

MSVOA_V

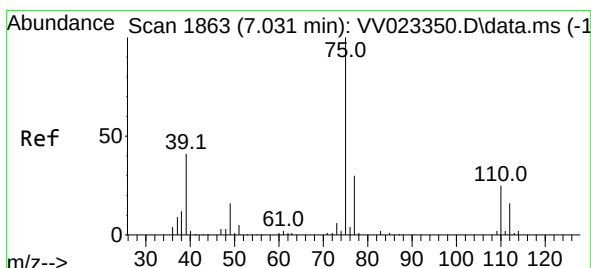
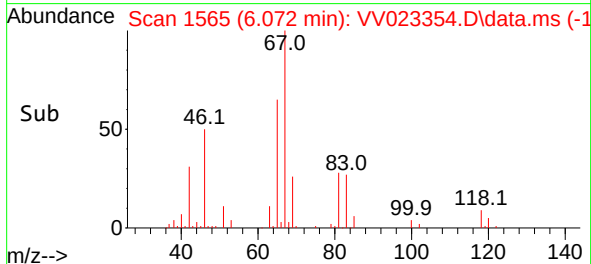
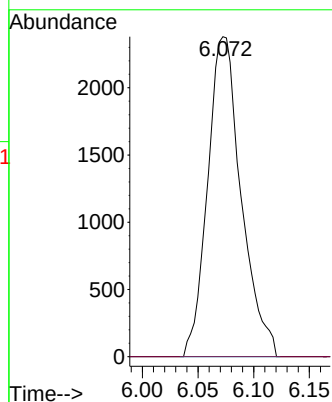
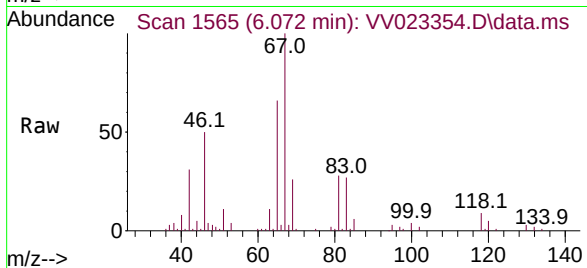
ClientSampleId :

Tgt Ion: 63 Resp: 4989

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#



#39

cis-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 6.992 min Scan# 1851

Delta R.T. -0.039 min

Lab File: VV023354.D

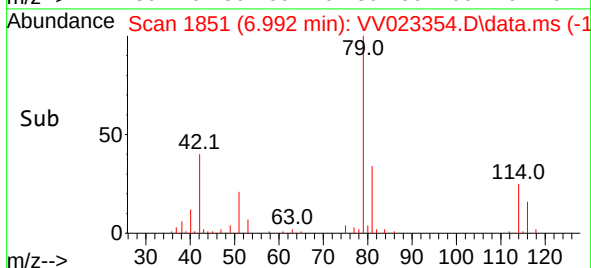
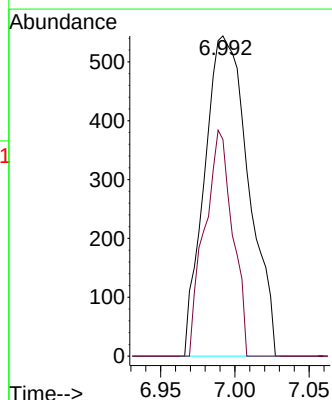
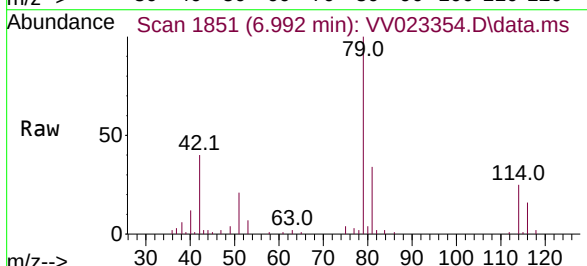
Acq: 11 Nov 2021 00:36

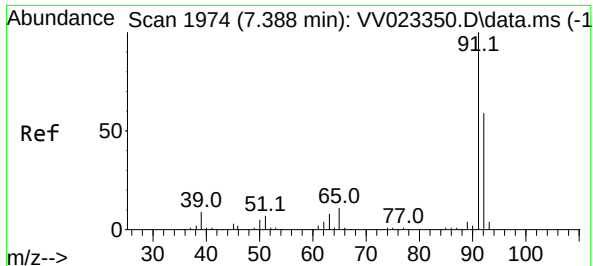
Tgt Ion: 75 Resp: 1126

Ion Ratio Lower Upper

75 100

77 67.6 21.6 40.2#





#42

Toluene

Concen: 0.090 ug/L

RT: 7.400 min Scan# 1974

Delta R.T. 0.013 min

Lab File: VV023354.D

Acq: 11 Nov 2021 00:36

Instrument :

MSVOA_V

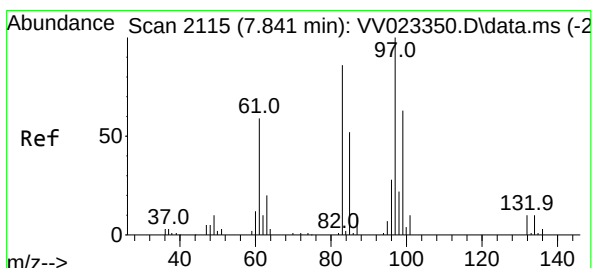
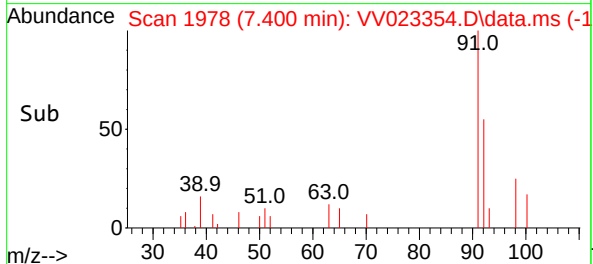
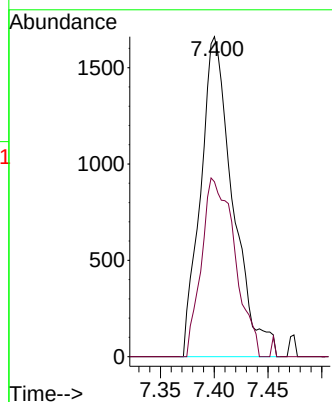
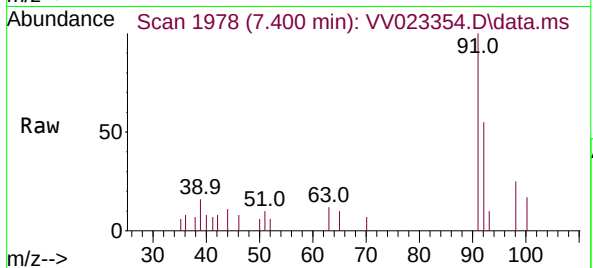
ClientSampleId :

Tgt Ion: 91 Resp: 3475

Ion Ratio Lower Upper

91 100

92 54.7 39.3 72.9



#45

1,1,2-Trichloroethane

Concen: 0.172 ug/L

RT: 7.844 min Scan# 2116

Delta R.T. 0.003 min

Lab File: VV023354.D

Acq: 11 Nov 2021 00:36

Tgt Ion: 97 Resp: 1037

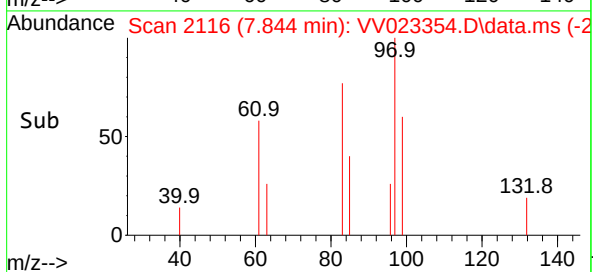
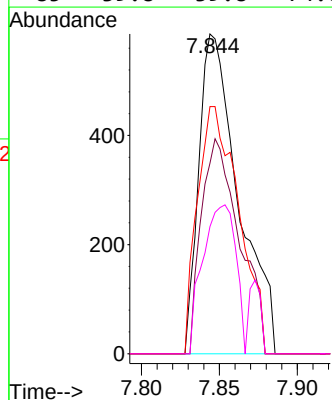
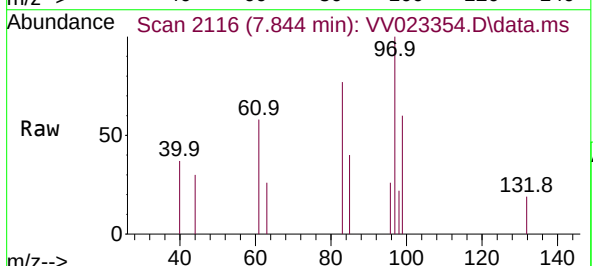
Ion Ratio Lower Upper

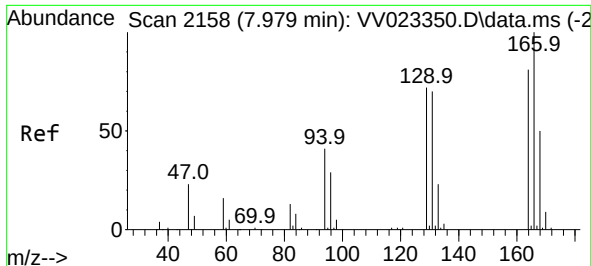
97 100

99 59.6 43.6 81.0

83 77.3 58.4 108.4

85 39.8 39.8 74.0#





#47

Tetrachloroethene

Concen: 0.473 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.000 min

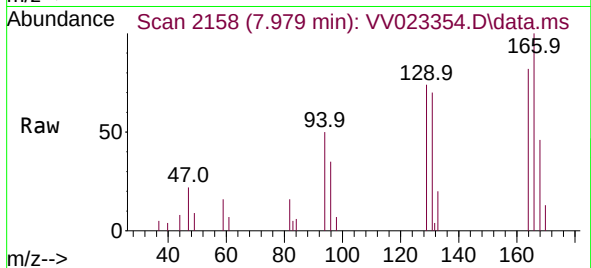
Lab File: VV023354.D

Acq: 11 Nov 2021 00:36

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 3912

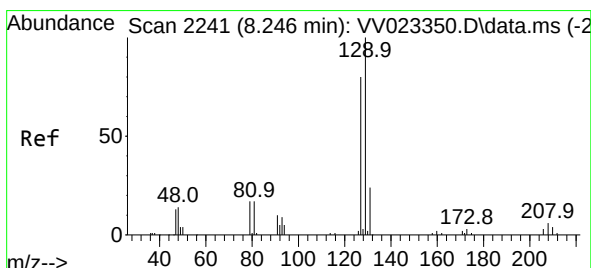
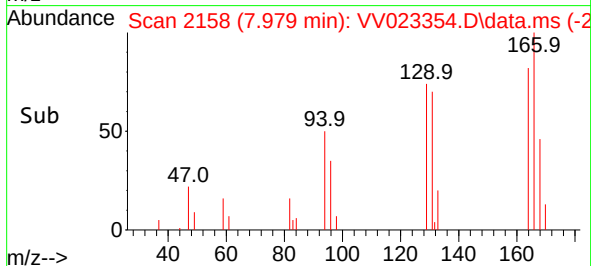
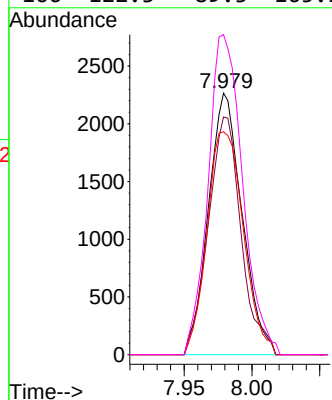
Ion Ratio Lower Upper

164 100

129 90.9 64.0 119.0

131 85.2 63.4 117.8

166 122.3 89.3 165.9



#49

Dibromochloromethane

Concen: 0.451 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.267 min

Lab File: VV023354.D

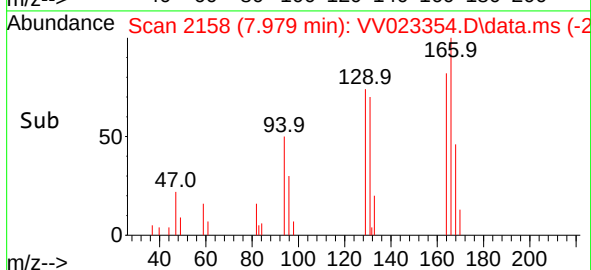
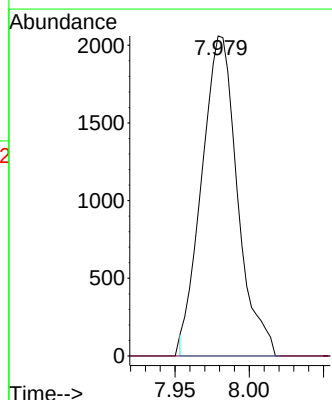
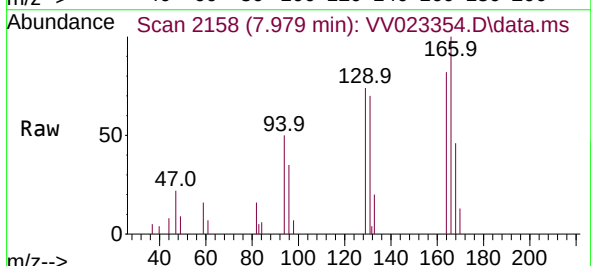
Acq: 11 Nov 2021 00:36

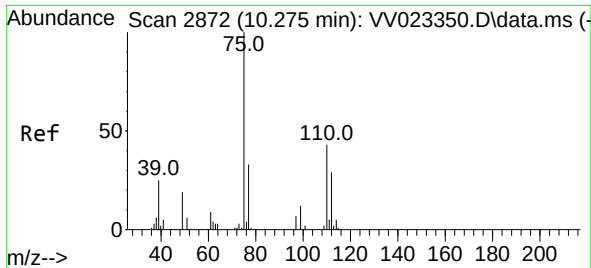
Tgt Ion:129 Resp: 3443

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#





#61

1,2,3-Trichloropropane

Concen: 1.590 ug/L

RT: 11.249 min Scan# 31

Delta R.T. 0.974 min

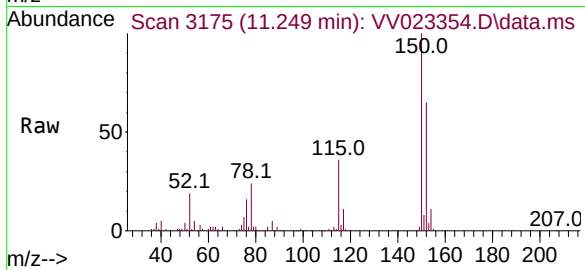
Lab File: VV023354.D

Acq: 11 Nov 2021 00:36

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 75 Resp: 6574

Ion Ratio Lower Upper

75 100

77 33.1 26.6 39.8

110 0.7 31.8 47.6#

