

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121121\
 Data File : VW021326.D
 Acq On : 11 Dec 2021 14:52
 Operator : SY/VA
 Sample : M5062-03
 Misc : 7.11g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 12 08:08:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 10 23:12:45 2021
 Response via : Initial Calibration

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

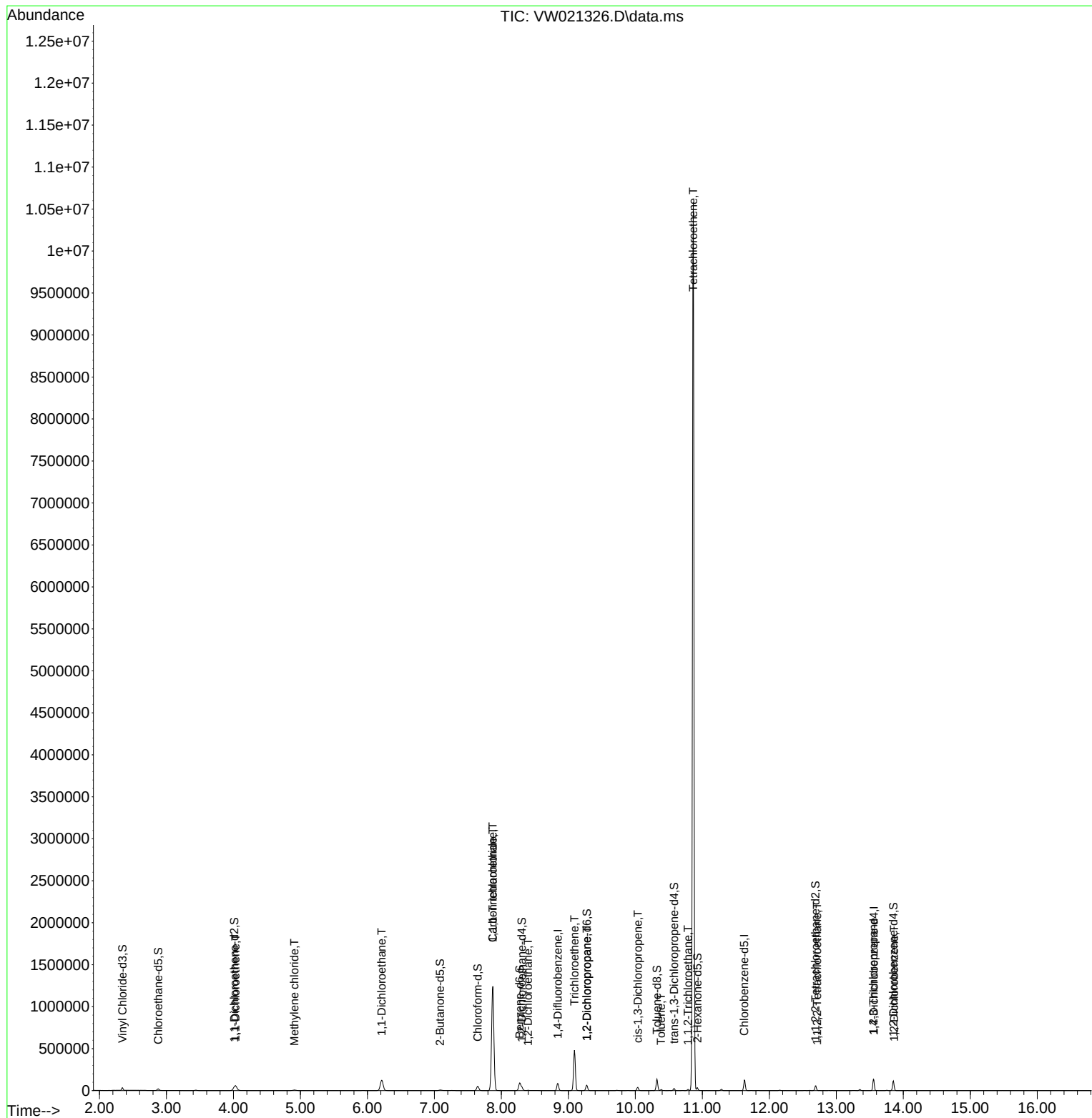
Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	74311	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.627	117	70716	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	36124	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.342	65	29536	21.824	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.280%
7) Chloroethane-d5	2.879	69	22229	24.845	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.400%
11) 1,1-Dichloroethene-d2	4.013	63	41260	22.867	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.480%
21) 2-Butanone-d5	7.085	46	13130	68.824	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	137.640%#
24) Chloroform-d	7.646	84	50538	24.404	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.600%
26) 1,2-Dichloroethane-d4	8.305	65	29112	26.428	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.720%
32) Benzene-d6	8.274	84	93475	24.115	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.480%
36) 1,2-Dichloropropane-d6	9.274	67	27426	26.383	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.520%
41) Toluene-d8	10.323	98	89816	22.678	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.720%
43) trans-1,3-Dichloroprop...	10.579	79	13065	27.295	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	109.200%
47) 2-Hexanone-d5	10.926	63	11255	73.217	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	146.440%#
56) 1,1,2,2-Tetrachloroeth...	12.688	84	26445	29.592	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	118.360%
66) 1,2-Dichlorobenzene-d4	13.853	152	31470	22.478	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.920%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	4.031	96	25742	27.947	ug/L	78
16) Methylene chloride	4.909	84	5693	4.636	ug/L	80
19) 1,1-Dichloroethane	6.214	63	170134	108.710	ug/L	97
27) 1,2-Dichloroethane	8.396	62	1695	1.473	ug/L #	89
30) 1,1,1-Trichloroethane	7.872	97	958412	604.042	ug/L	94
31) Carbon tetrachloride	7.872	117	122549	83.727	ug/L	97
34) Trichloroethene	9.091	95	153402	141.857	ug/L	90
37) 1,2-Dichloropropane	9.274	63	3516	4.092	ug/L #	88
39) cis-1,3-Dichloropropene	10.036	75	1138	0.840	ug/L #	81
42) Toluene	10.384	91	8470	1.880	ug/L	93
45) 1,1,2-Trichloroethane	10.786	97	4167	5.925	ug/L	92
46) Tetrachloroethene	10.865	164	2301873	2240.751	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.713	83	803	0.996	ug/L #	81
61) 1,2,3-Trichloropropane	13.554	75	4313	8.204	ug/L #	68
67) 1,2-Dichlorobenzene	13.865	146	1507	0.739	ug/L #	78

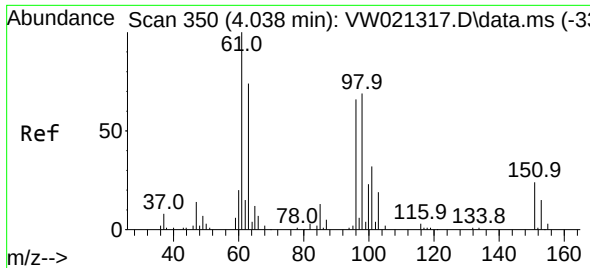
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0
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Response via : Initial Calibration

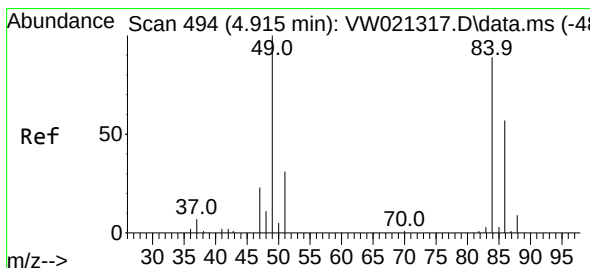
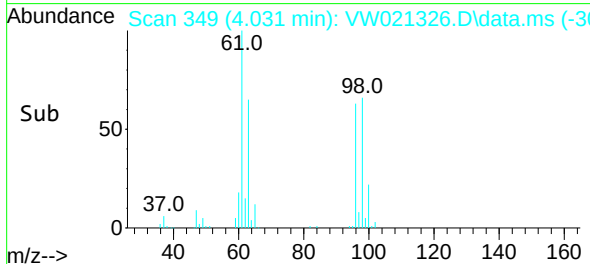
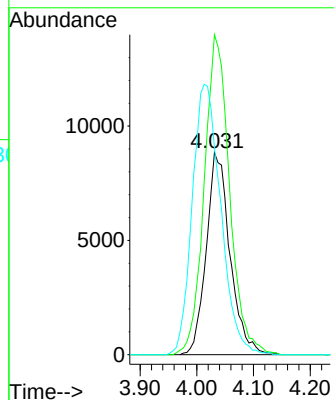
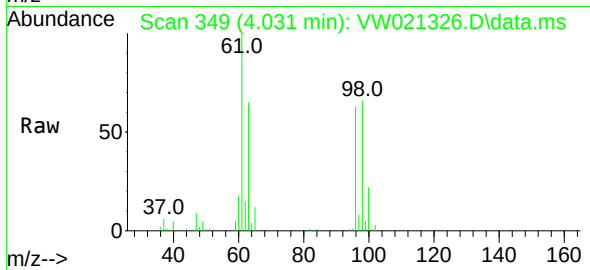




#12
 1,1-Dichloroethene
 Concen: 27.947 ug/L
 RT: 4.031 min Scan# 34
 Delta R.T. -0.013 min
 Lab File: VW021326.D
 Acq: 11 Dec 2021 14:52

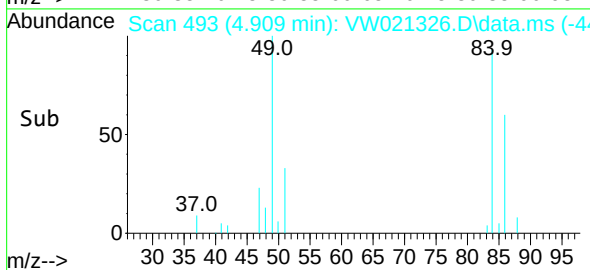
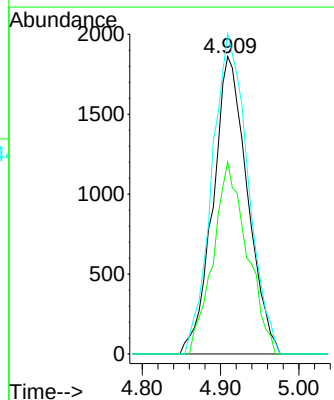
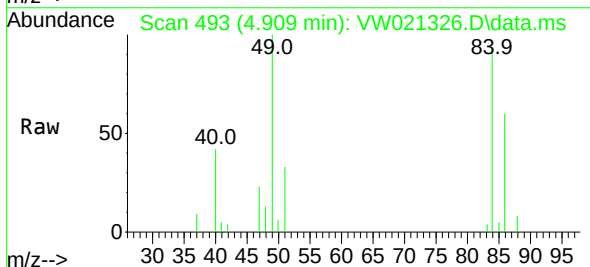
Instrument :
 MSVOA_W
 ClientSampleId :

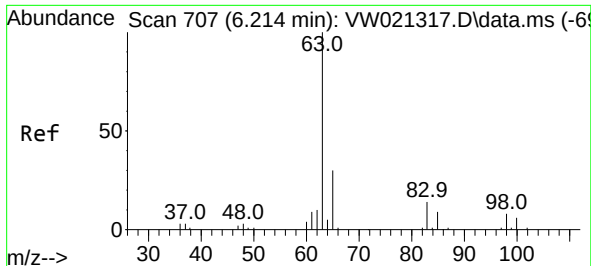
Tgt Ion: 96 Resp: 25742
 Ion Ratio Lower Upper
 96 100
 61 158.2 138.3 256.9
 63 102.4 82.6 153.4



#16
 Methylene chloride
 Concen: 4.636 ug/L
 RT: 4.909 min Scan# 493
 Delta R.T. -0.007 min
 Lab File: VW021326.D
 Acq: 11 Dec 2021 14:52

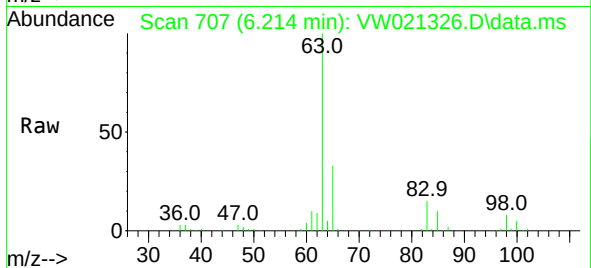
Tgt Ion: 84 Resp: 5693
 Ion Ratio Lower Upper
 84 100
 86 64.5 45.5 84.5
 49 107.6 100.5 186.7



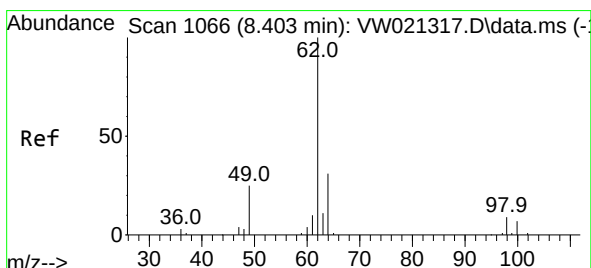
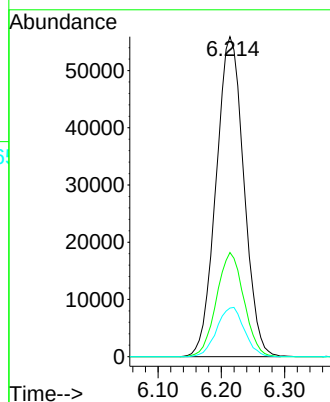
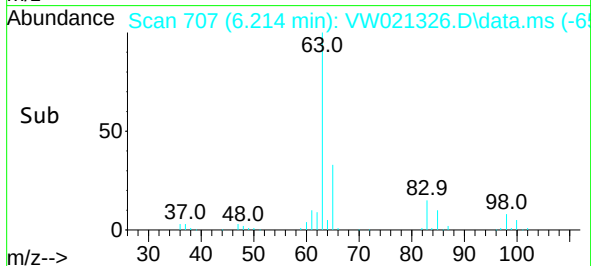


#19
1,1-Dichloroethane
Concen: 108.710 ug/L
RT: 6.214 min Scan# 707
Delta R.T. -0.000 min
Lab File: VW021326.D
Acq: 11 Dec 2021 14:52

Instrument :
MSVOA_W
ClientSampleId :

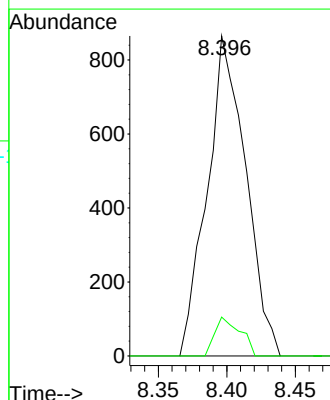
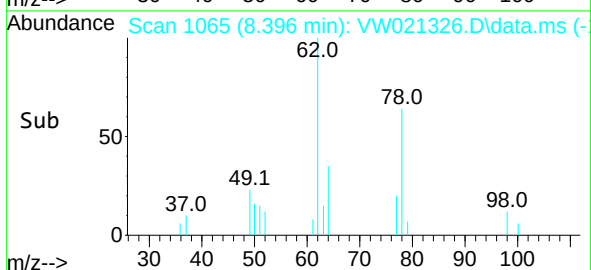
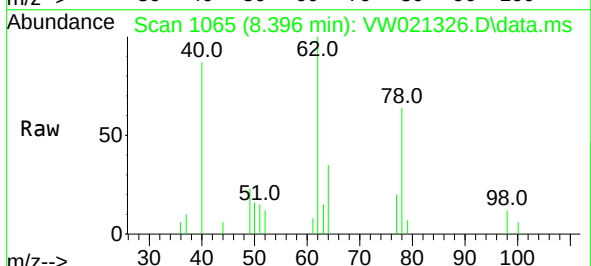


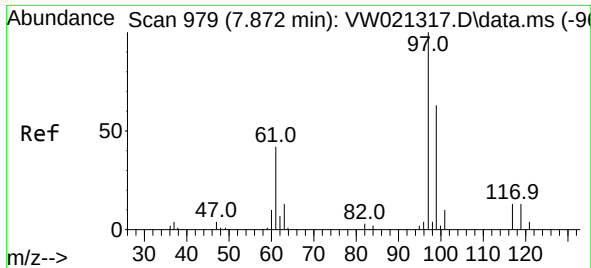
Tgt Ion: 63 Resp: 170134
Ion Ratio Lower Upper
63 100
65 32.5 22.1 41.1
83 15.2 9.2 17.2



#27
1,2-Dichloroethane
Concen: 1.473 ug/L
RT: 8.396 min Scan# 1065
Delta R.T. -0.007 min
Lab File: VW021326.D
Acq: 11 Dec 2021 14:52

Tgt Ion: 62 Resp: 1695
Ion Ratio Lower Upper
62 100
98 12.1 6.5 9.7#





#30

1,1,1-Trichloroethane

Concen: 604.042 ug/L

RT: 7.872 min Scan# 979

Delta R.T. -0.000 min

Lab File: VW021326.D

Acq: 11 Dec 2021 14:52

Instrument :

MSVOA_W

ClientSampleId :

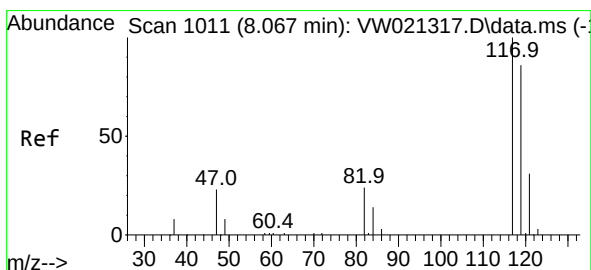
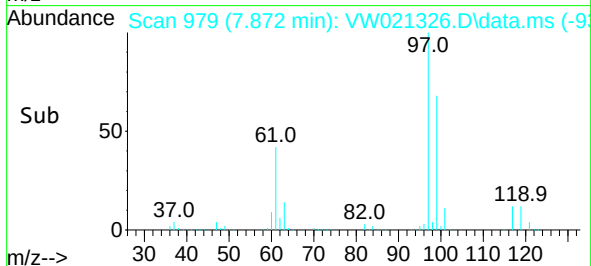
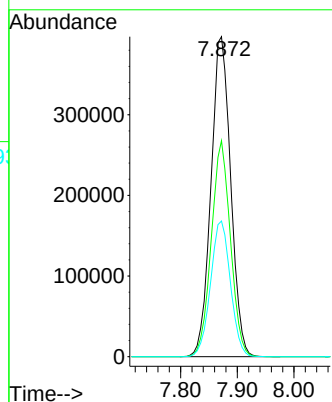
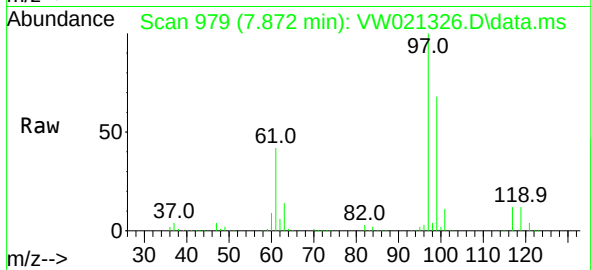
Tgt Ion: 97 Resp: 958412

Ion Ratio Lower Upper

97 100

99 65.4 51.6 77.4

61 42.7 40.9 61.3



#31

Carbon tetrachloride

Concen: 83.727 ug/L

RT: 7.872 min Scan# 979

Delta R.T. -0.196 min

Lab File: VW021326.D

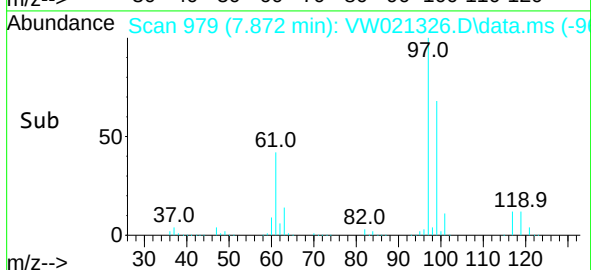
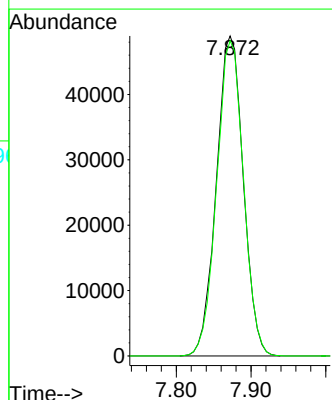
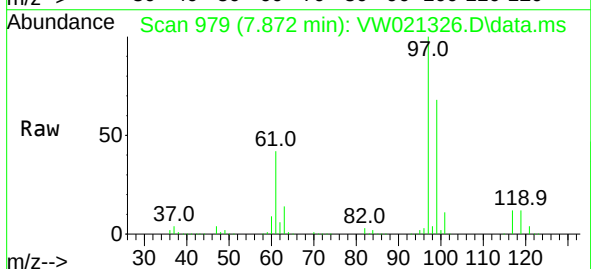
Acq: 11 Dec 2021 14:52

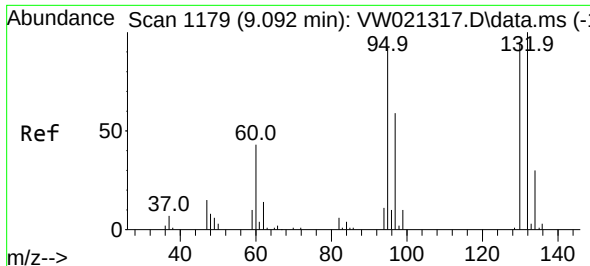
Tgt Ion: 117 Resp: 122549

Ion Ratio Lower Upper

117 100

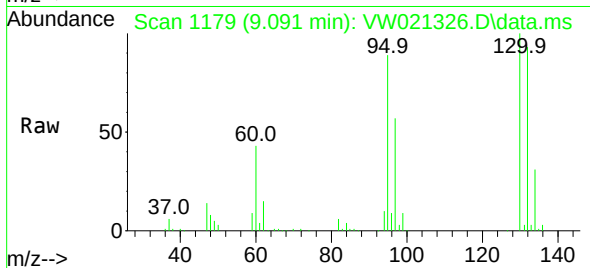
119 97.9 75.7 113.5



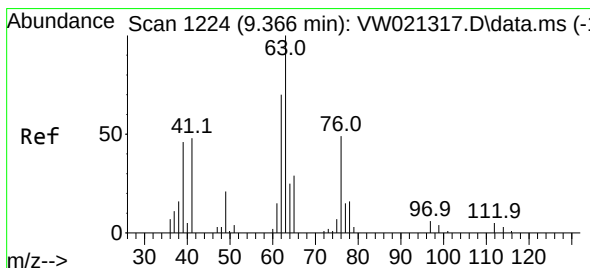
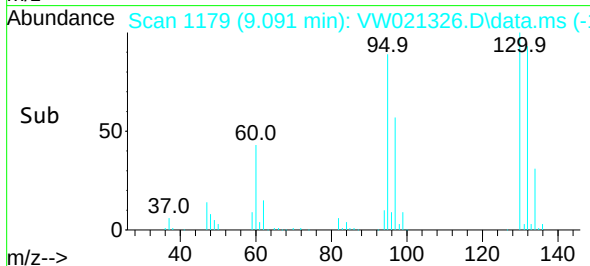
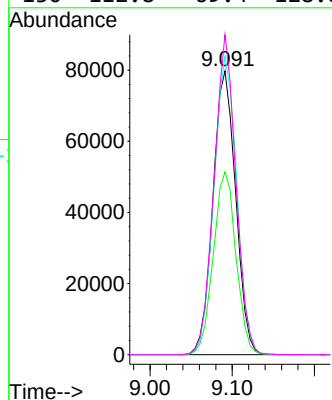


#34
Trichloroethene
Concen: 141.857 ug/L
RT: 9.091 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW021326.D
Acq: 11 Dec 2021 14:52

Instrument :
MSVOA_W
ClientSampleId :

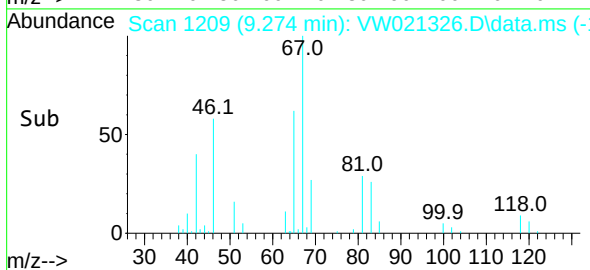
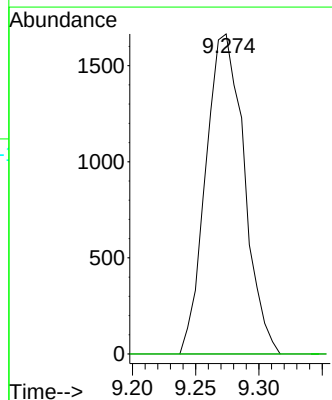
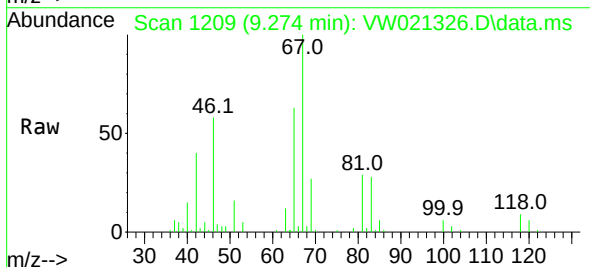


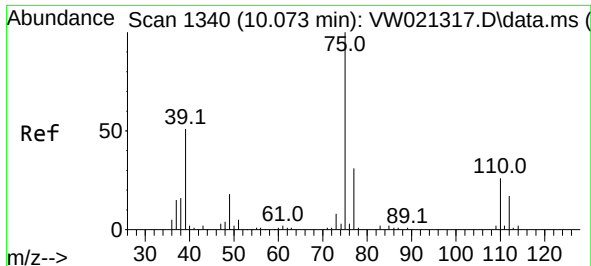
Tgt Ion: 95 Resp: 153402
Ion Ratio Lower Upper
95 100
97 64.4 47.0 87.2
132 105.2 65.5 121.6
130 112.8 69.4 128.8



#37
1,2-Dichloropropane
Concen: 4.092 ug/L
RT: 9.274 min Scan# 1209
Delta R.T. -0.092 min
Lab File: VW021326.D
Acq: 11 Dec 2021 14:52

Tgt Ion: 63 Resp: 3516
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.840 ug/L

RT: 10.036 min Scan# 11

Delta R.T. -0.037 min

Lab File: VW021326.D

Acq: 11 Dec 2021 14:52

Instrument :

MSVOA_W

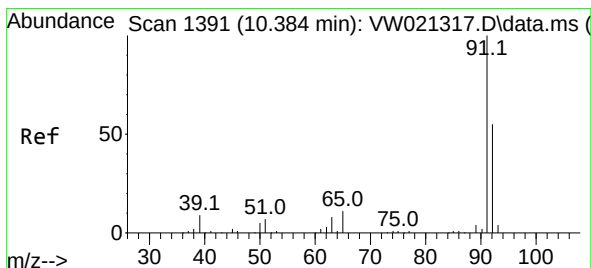
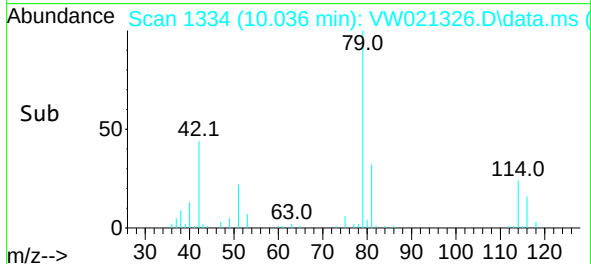
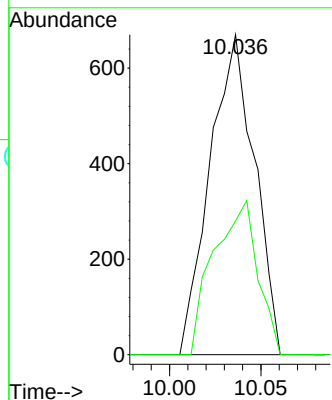
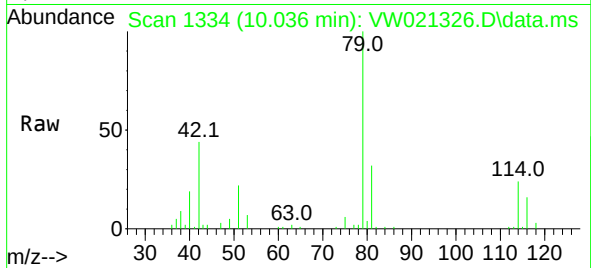
ClientSampleId :

Tgt Ion: 75 Resp: 1138

Ion Ratio Lower Upper

75 100

77 41.8 21.8 40.6#



#42

Toluene

Concen: 1.880 ug/L

RT: 10.384 min Scan# 1391

Delta R.T. -0.007 min

Lab File: VW021326.D

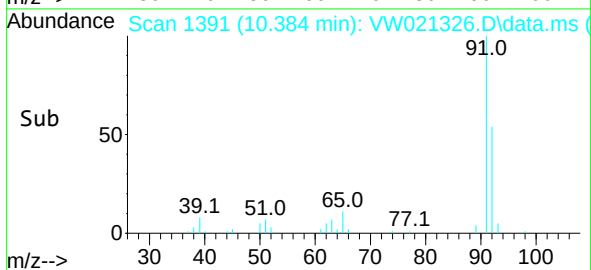
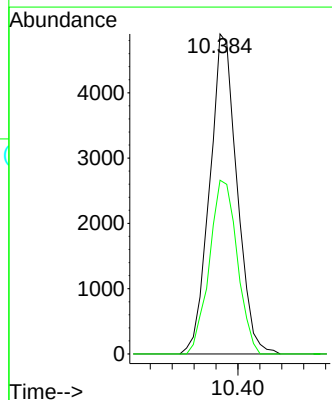
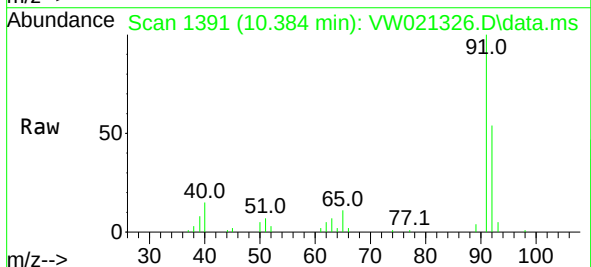
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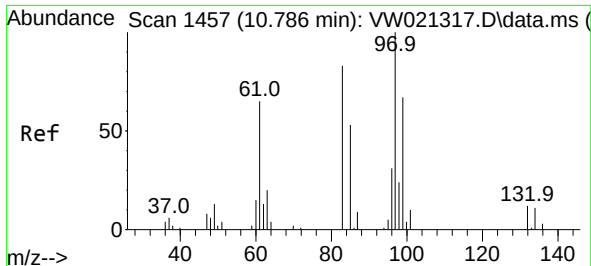
Tgt Ion: 91 Resp: 8470

Ion Ratio Lower Upper

91 100

92 54.3 41.7 77.5





#45

1,1,2-Trichloroethane

Concen: 5.925 ug/L

RT: 10.786 min Scan# 14

Delta R.T. -0.000 min

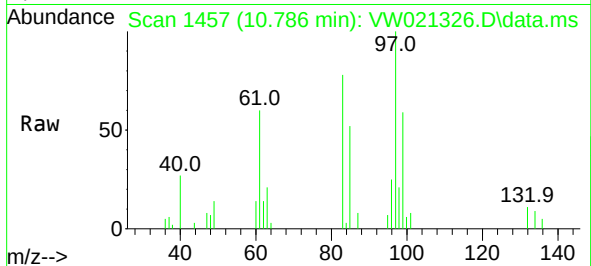
Lab File: VW021326.D

Acq: 11 Dec 2021 14:52

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 97 Resp: 4167

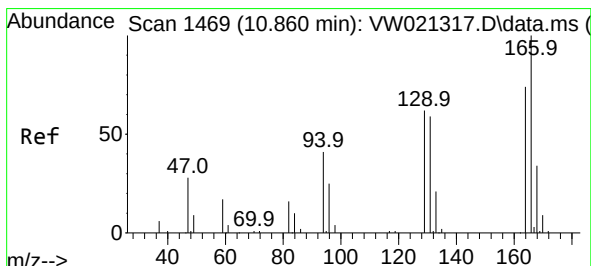
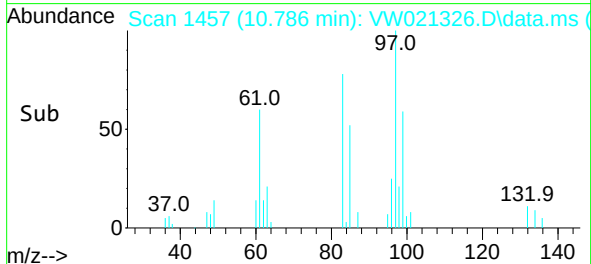
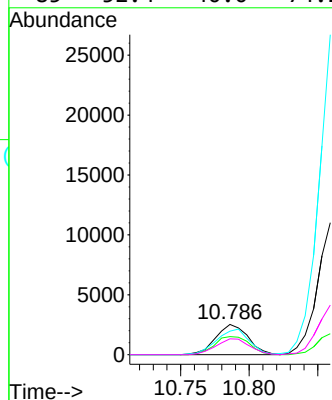
Ion Ratio Lower Upper

97 100

99 59.5 43.0 79.8

83 77.9 62.6 116.3

85 52.4 40.0 74.2



#46

Tetrachloroethene

Concen: 2240.751 ug/L

RT: 10.865 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VW021326.D

Acq: 11 Dec 2021 14:52

Tgt Ion:164 Resp: 2301873

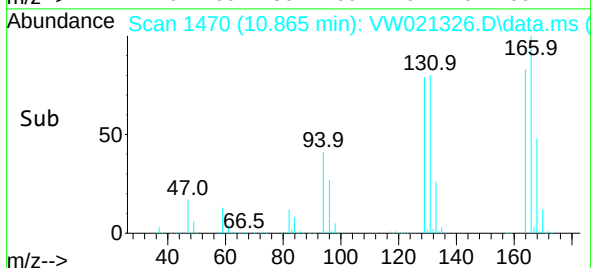
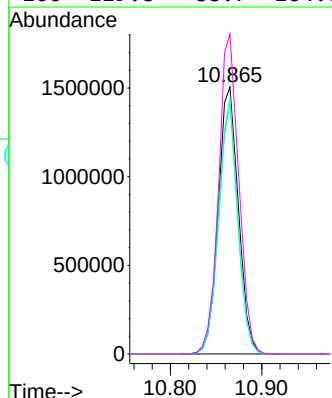
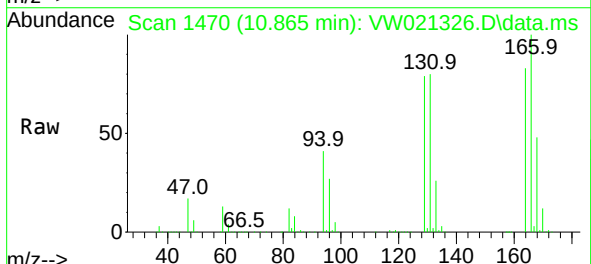
Ion Ratio Lower Upper

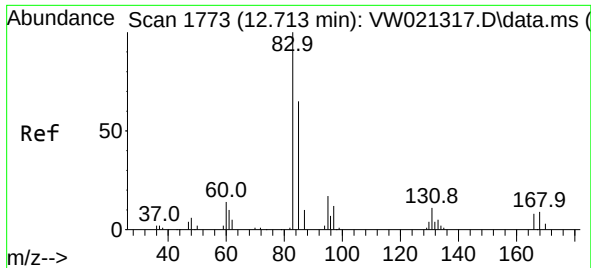
164 100

129 95.2 65.5 121.7

131 95.4 59.7 110.9

166 119.8 88.7 164.7





#57

1,1,2,2-Tetrachloroethane

Concen: 0.996 ug/L

RT: 12.713 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW021326.D

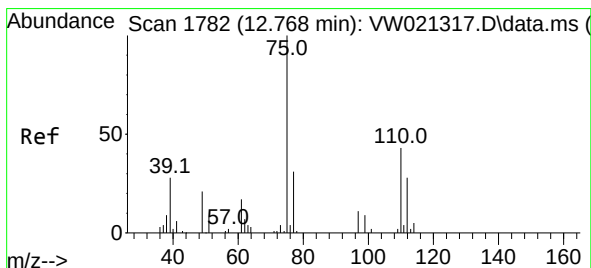
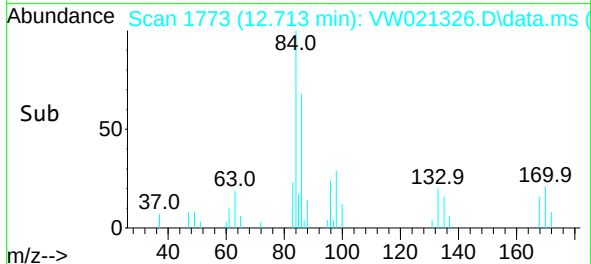
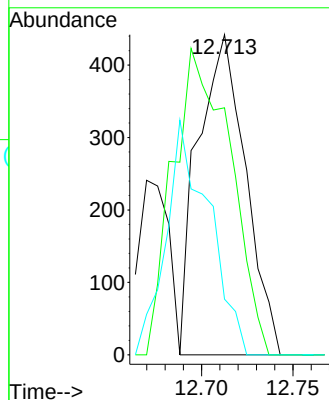
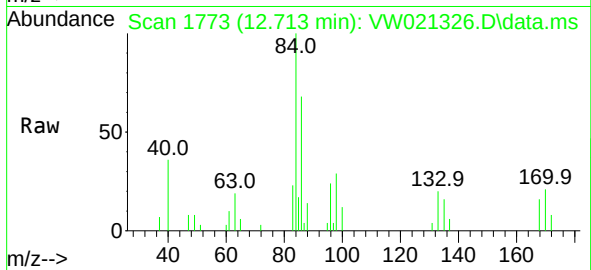
Acq: 11 Dec 2021 14:52

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	83	Resp:	803
Ion	Ratio	Lower	Upper
83	100		
85	77.1	44.0	81.6
131	17.4	6.9	10.3#



#61

1,2,3-Trichloropropane

Concen: 8.204 ug/L

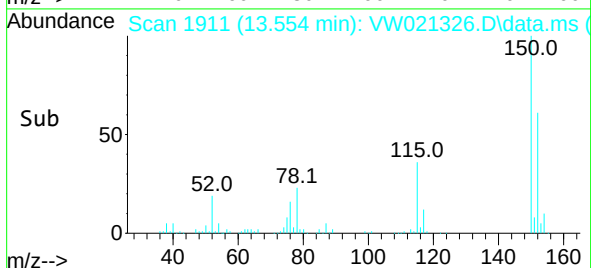
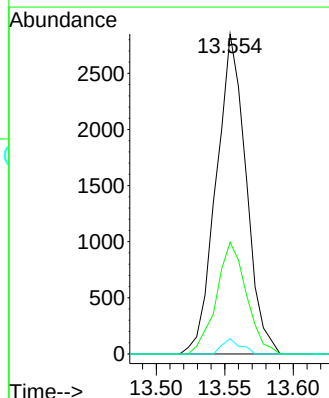
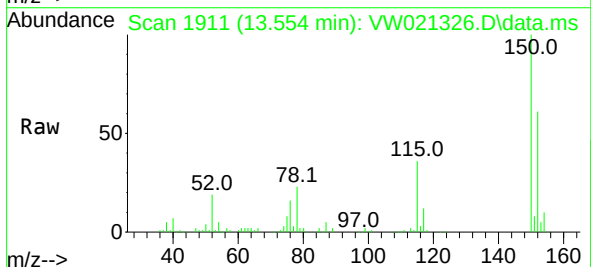
RT: 13.554 min Scan# 1911

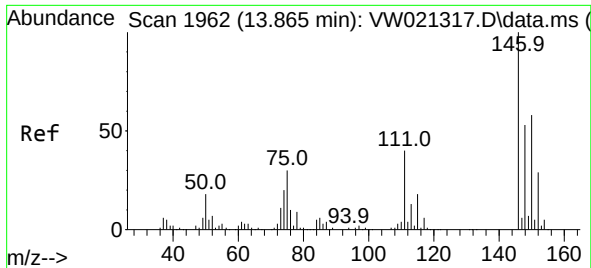
Delta R.T. 0.786 min

Lab File: VW021326.D

Acq: 11 Dec 2021 14:52

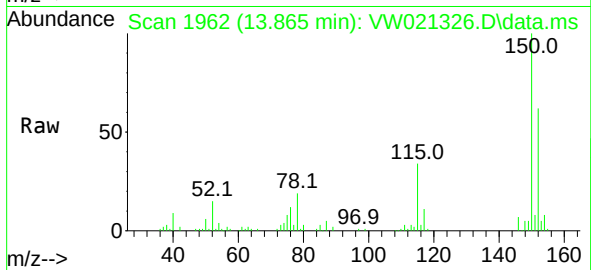
Tgt Ion:	75	Resp:	4313
Ion	Ratio	Lower	Upper
75	100		
77	35.1	25.8	38.8
110	2.9	29.0	43.4#





#67
 1,2-Dichlorobenzene
 Concen: 0.739 ug/L
 RT: 13.865 min Scan# 1962
 Delta R.T. -0.000 min
 Lab File: VW021326.D
 Acq: 11 Dec 2021 14:52

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:	146	Resp:	1507
Ion	Ratio	Lower	Upper
146	100		
111	48.7	33.1	49.7
148	81.6	47.4	71.2#

