

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
 Data File : VW021426.D
 Acq On : 17 Dec 2021 13:06
 Operator : SY/VA
 Sample : M5102-02
 Misc : 6.50g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 17 16:08:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 17 00:58:26 2021
 Response via : Initial Calibration

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

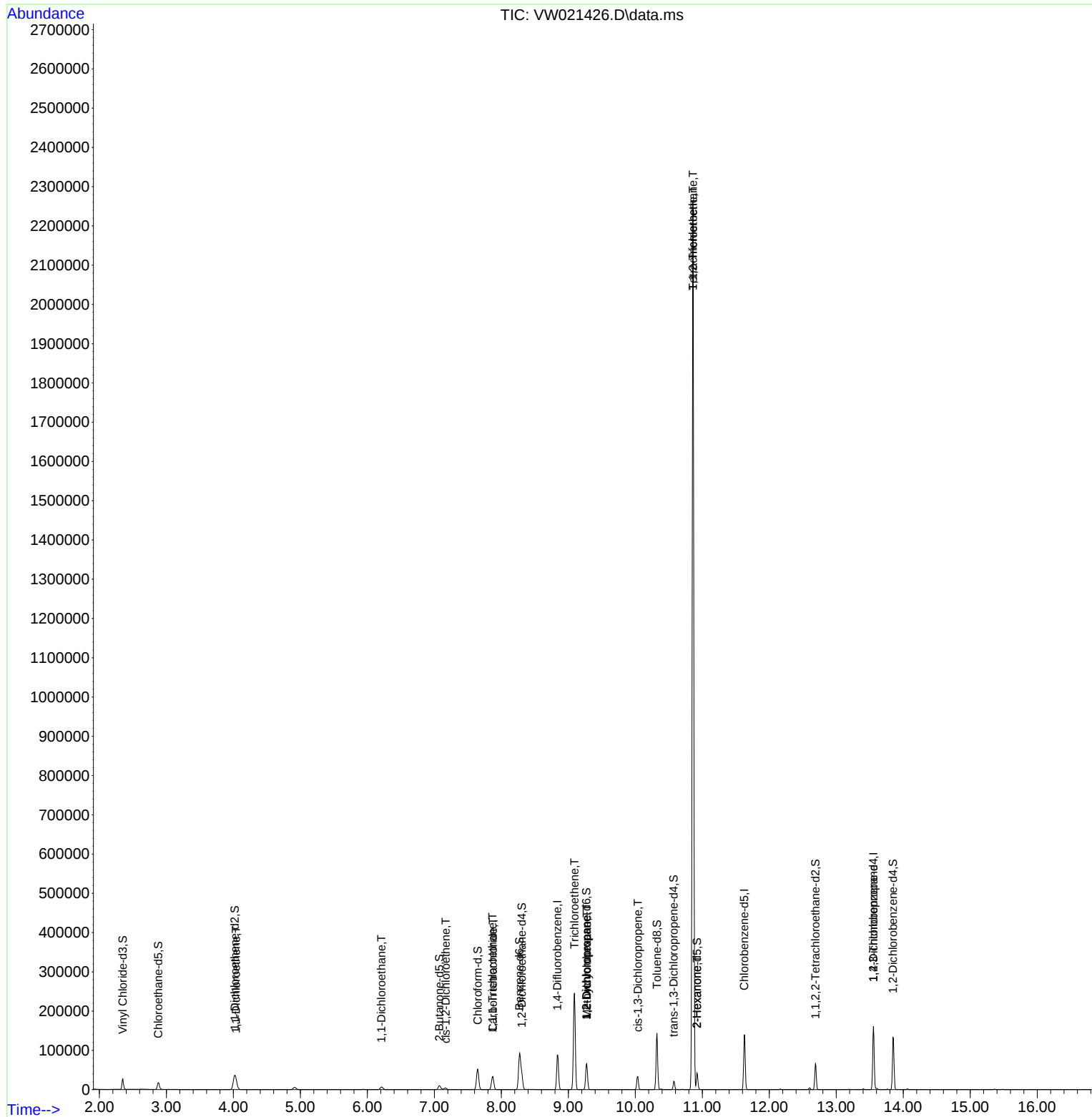
Internal Standards						
1) 1,4-Difluorobenzene	8.836	114	78336	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	78719	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	41916	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	25713	18.023	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.080%
7) Chloroethane-d5	2.879	69	21281	22.564	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.240%
11) 1,1-Dichloroethene-d2	4.019	63	31691	16.661	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.640%
21) 2-Butanone-d5	7.074	46	16944	84.253	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	168.500%#
24) Chloroform-d	7.647	84	52020	23.829	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.320%
26) 1,2-Dichloroethane-d4	8.305	65	30690	26.429	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.720%
32) Benzene-d6	8.269	84	94821	21.975	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.920%
36) 1,2-Dichloropropane-d6	9.268	67	28793	24.882	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.520%
41) Toluene-d8	10.323	98	91427	20.738	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	82.960%
43) trans-1,3-Dichloroprop...	10.573	79	11411	21.416	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.680%
47) 2-Hexanone-d5	10.921	63	13738	80.284	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	160.560%#
56) 1,1,2,2-Tetrachloroeth...	12.689	84	29762	29.918	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	119.680%
66) 1,2-Dichlorobenzene-d4	13.847	152	35228	21.686	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.760%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	4.038	96	9621	9.908	ug/L #	68
19) 1,1-Dichloroethane	6.208	63	9498	5.757	ug/L	97
20) cis-1,2-Dichloroethene	7.171	96	2329	2.100	ug/L #	64
30) 1,1,1-Trichloroethane	7.866	97	26694	15.114	ug/L	95
31) Carbon tetrachloride	7.872	117	3534	2.169	ug/L	98
34) Trichloroethene	9.092	95	80009	66.465	ug/L	91
35) Methylcyclohexane	9.275	83	7738	3.897	ug/L #	14
37) 1,2-Dichloropropane	9.275	63	3614	3.778	ug/L #	88
39) cis-1,3-Dichloropropene	10.037	75	988	0.655	ug/L	89
45) 1,1,2-Trichloroethane	10.860	97	4238	5.413	ug/L #	1
46) Tetrachloroethene	10.860	164	486134	425.115	ug/L	96
48) 2-Hexanone	10.921	43	1771	4.686	ug/L #	67
61) 1,2,3-Trichloropropane	13.554	75	4568	7.488	ug/L #	67

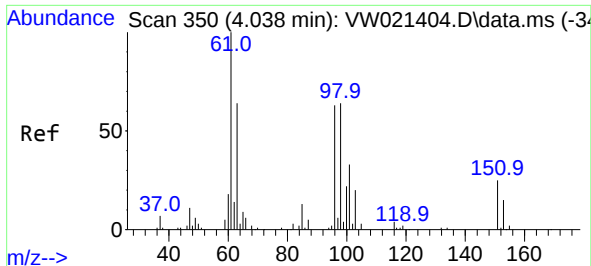
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_W
ClientSampleId :

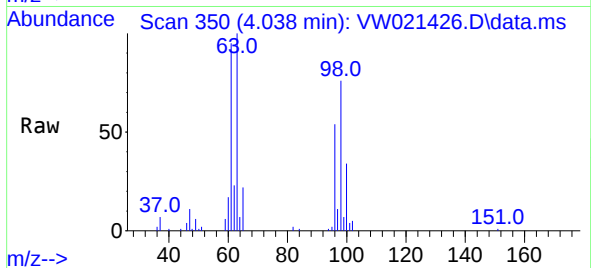
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Dec 17 00:58:26 2021
Response via : Initial Calibration



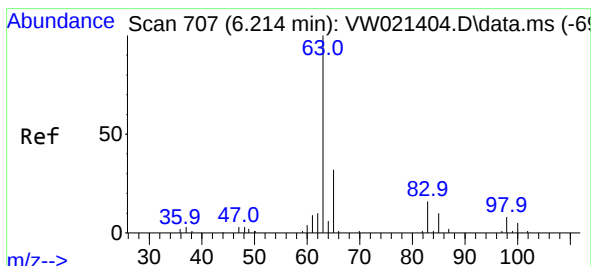
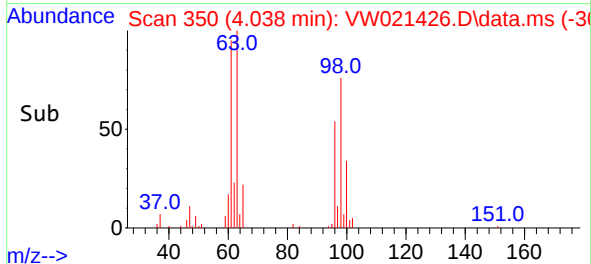
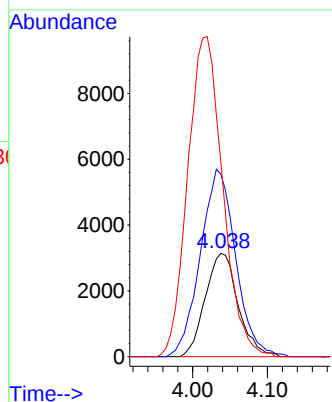


#12
1,1-Dichloroethene
Concen: 9.908 ug/L
RT: 4.038 min Scan# 311
Delta R.T. 0.000 min
Lab File: VW021426.D
Acq: 17 Dec 2021 13:06

Instrument :
MSVOA_W
ClientSampleId :

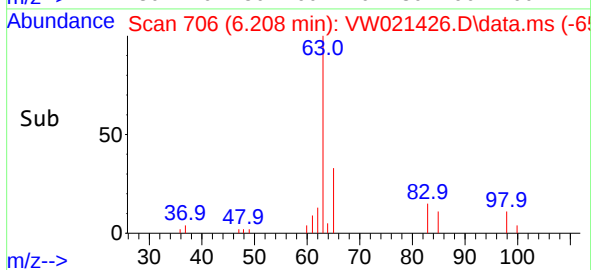
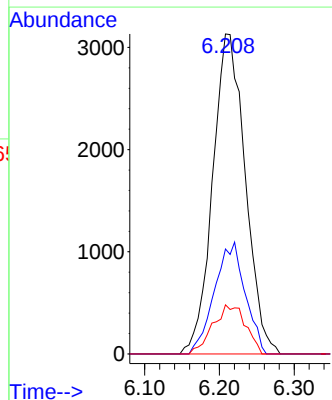
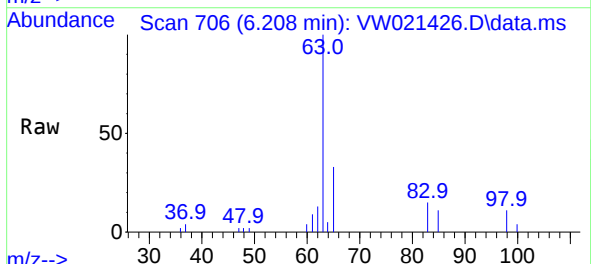


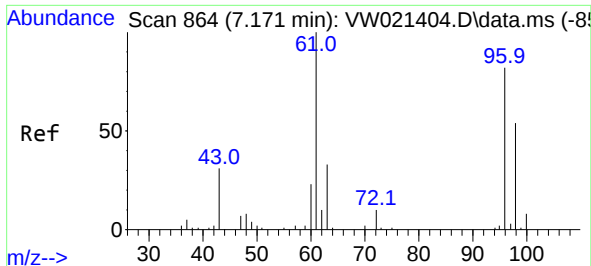
Tgt Ion: 96 Resp: 9621
Ion Ratio Lower Upper
96 100
61 176.2 138.3 256.9
63 186.4 82.6 153.4#



#19
1,1-Dichloroethane
Concen: 5.757 ug/L
RT: 6.208 min Scan# 706
Delta R.T. -0.006 min
Lab File: VW021426.D
Acq: 17 Dec 2021 13:06

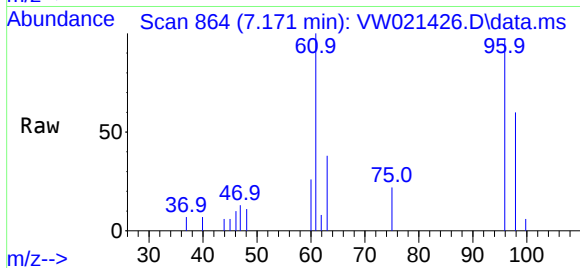
Tgt Ion: 63 Resp: 9498
Ion Ratio Lower Upper
63 100
65 32.8 22.1 41.1
83 15.4 9.2 17.2



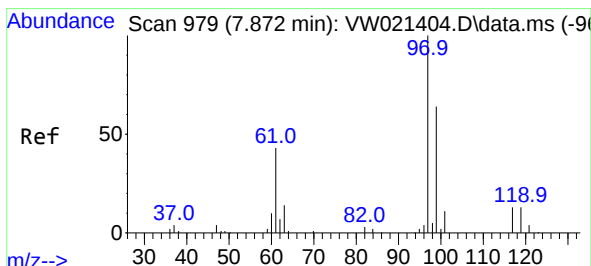
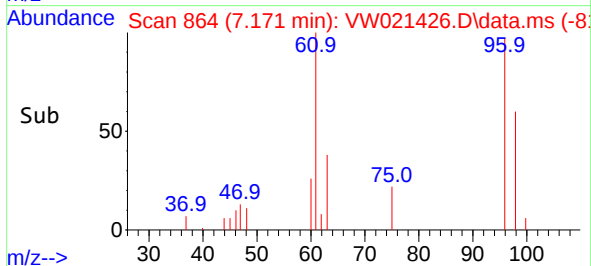
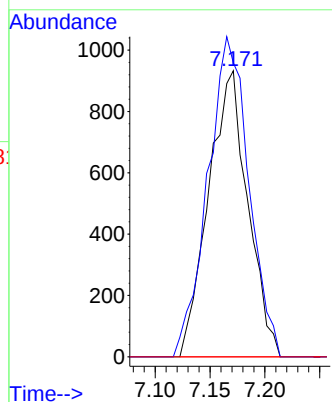


#20
 cis-1,2-Dichloroethene
 Concen: 2.100 ug/L
 RT: 7.171 min Scan# 864
 Delta R.T. 0.000 min
 Lab File: VW021426.D
 Acq: 17 Dec 2021 13:06

Instrument :
 MSVOA_W
 ClientSampleId :

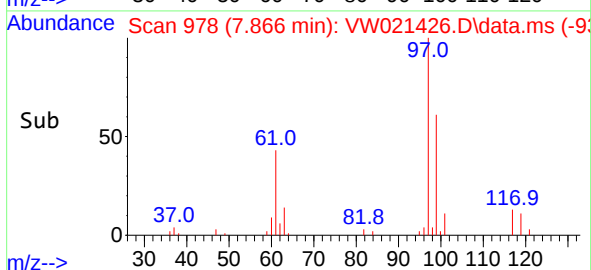
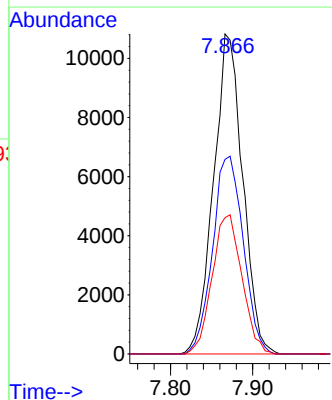
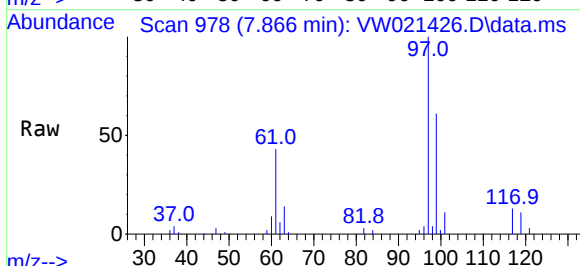


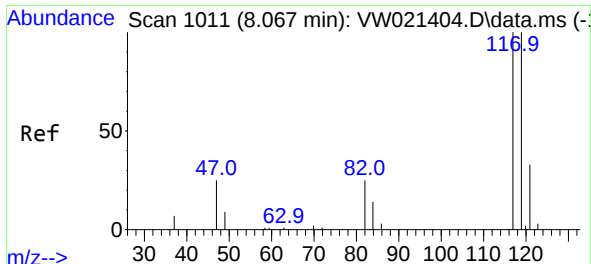
Tgt Ion: 96 Resp: 2329
 Ion Ratio Lower Upper
 96 100
 61 102.8 103.7 192.7#
 68 0.0 0.0 0.0



#30
 1,1,1-Trichloroethane
 Concen: 15.114 ug/L
 RT: 7.866 min Scan# 978
 Delta R.T. -0.006 min
 Lab File: VW021426.D
 Acq: 17 Dec 2021 13:06

Tgt Ion: 97 Resp: 26694
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.6 77.4
 61 44.4 40.9 61.3

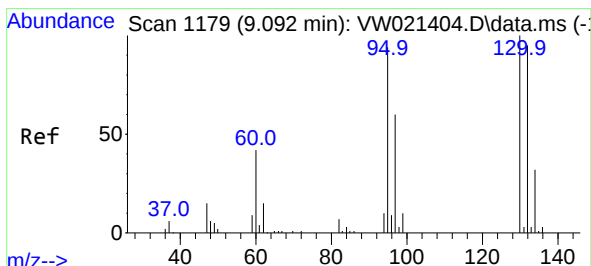
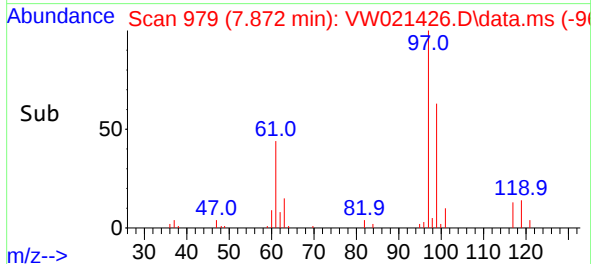
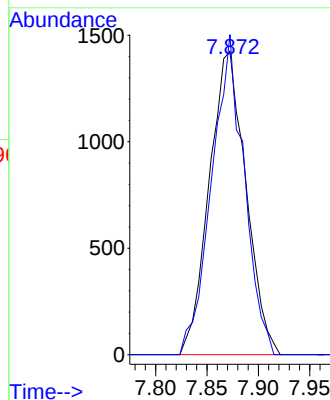
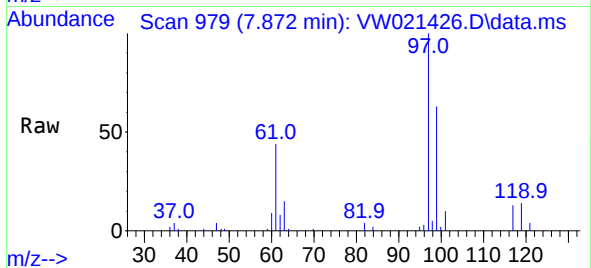




#31
Carbon tetrachloride
Concen: 2.169 ug/L
RT: 7.872 min Scan# 91
Delta R.T. -0.195 min
Lab File: VW021426.D
Acq: 17 Dec 2021 13:06

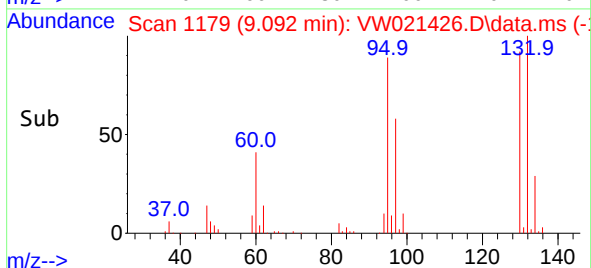
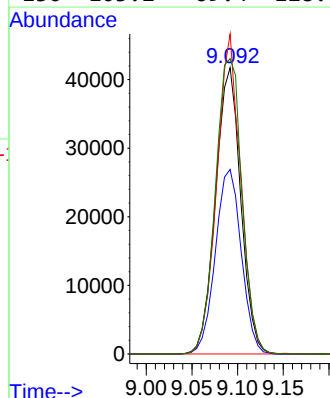
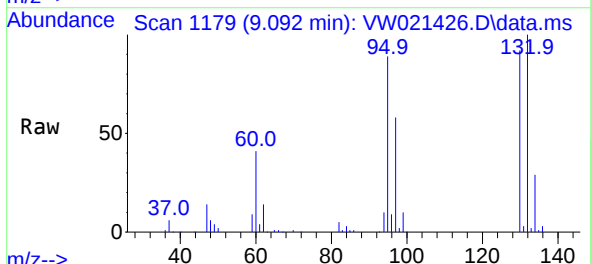
Instrument :
MSVOA_W
ClientSampleId :

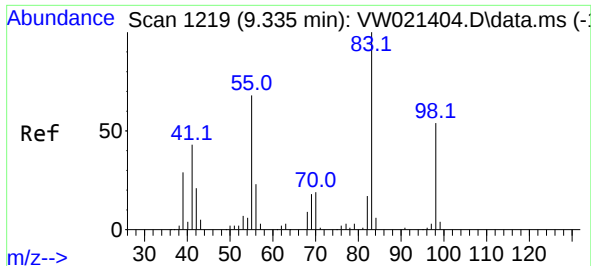
Tgt Ion:117 Resp: 3534
Ion Ratio Lower Upper
117 100
119 93.1 75.7 113.5



#34
Trichloroethene
Concen: 66.465 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW021426.D
Acq: 17 Dec 2021 13:06

Tgt Ion: 95 Resp: 80009
Ion Ratio Lower Upper
95 100
97 64.4 47.0 87.2
132 111.8 65.5 121.6
130 103.2 69.4 128.8





#35

Methylcyclohexane

Concen: 3.897 ug/L

RT: 9.275 min Scan# 11

Delta R.T. -0.061 min

Lab File: VW021426.D

Acq: 17 Dec 2021 13:06

Instrument :

MSVOA_W

ClientSampleId :

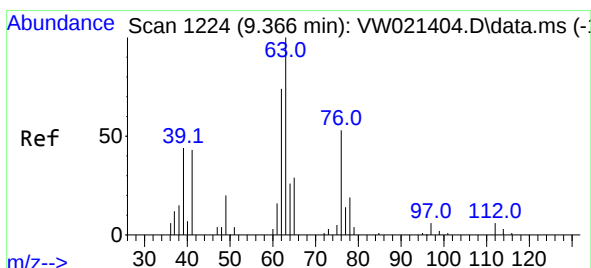
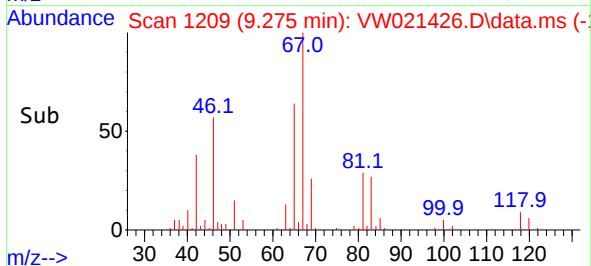
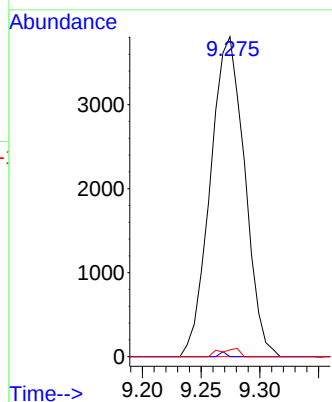
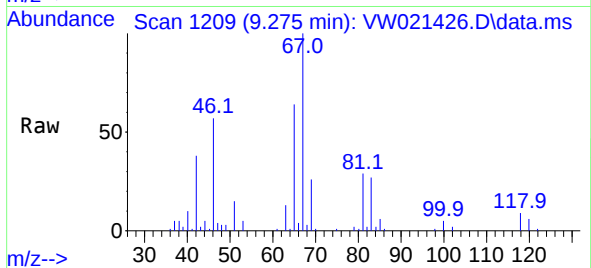
Tgt Ion: 83 Resp: 7738

Ion Ratio Lower Upper

83 100

55 0.0 70.8 106.2#

98 0.9 37.7 56.5#



#37

1,2-Dichloropropane

Concen: 3.778 ug/L

RT: 9.275 min Scan# 1209

Delta R.T. -0.091 min

Lab File: VW021426.D

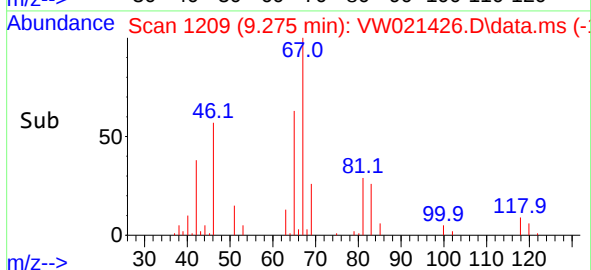
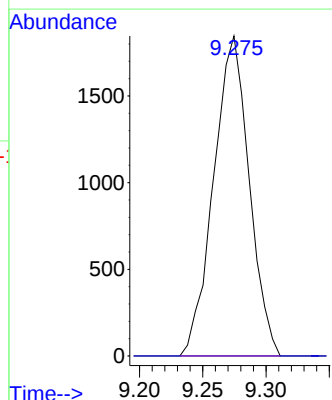
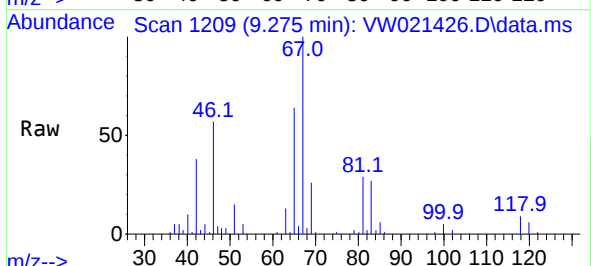
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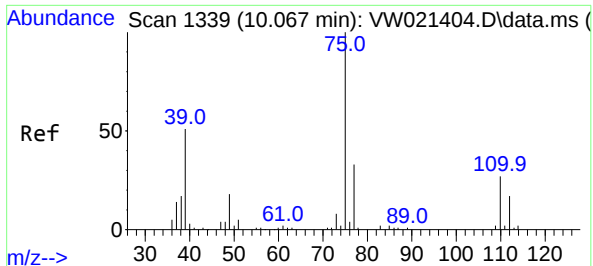
Tgt Ion: 63 Resp: 3614

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.655 ug/L

RT: 10.037 min Scan# 11

Delta R.T. -0.030 min

Lab File: VW021426.D

Acq: 17 Dec 2021 13:06

Instrument :

MSVOA_W

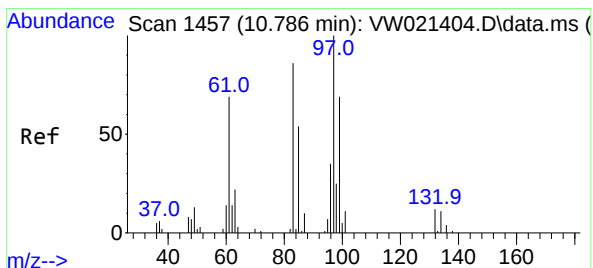
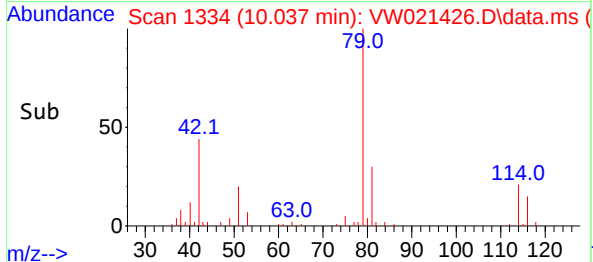
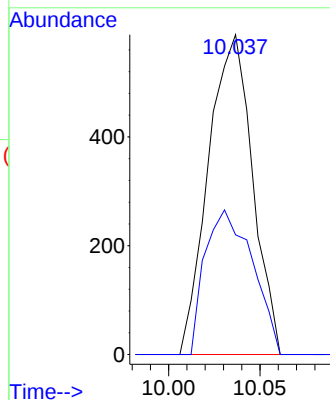
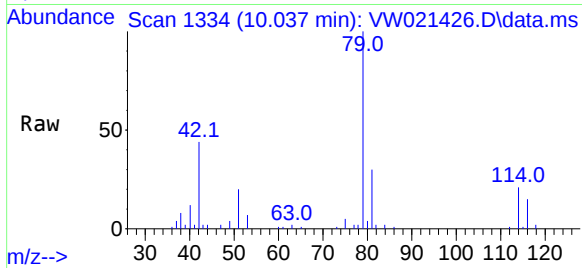
ClientSampleId :

Tgt Ion: 75 Resp: 988

Ion Ratio Lower Upper

75 100

77 37.4 21.8 40.6



#45

1,1,2-Trichloroethane

Concen: 5.413 ug/L

RT: 10.860 min Scan# 1469

Delta R.T. 0.073 min

Lab File: VW021426.D

Acq: 17 Dec 2021 13:06

Tgt Ion: 97 Resp: 4238

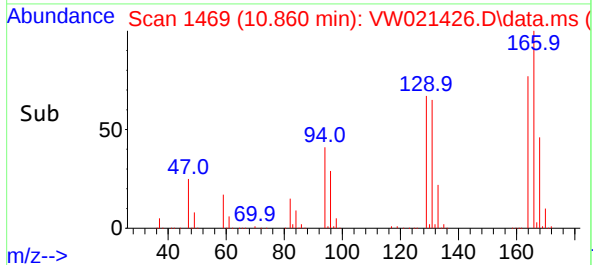
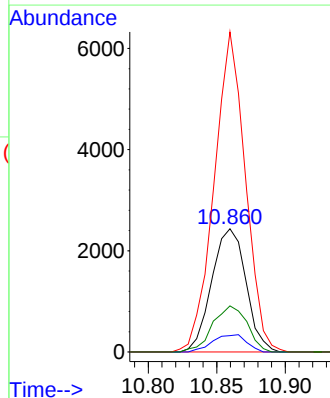
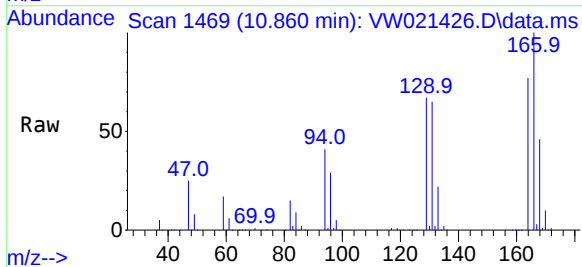
Ion Ratio Lower Upper

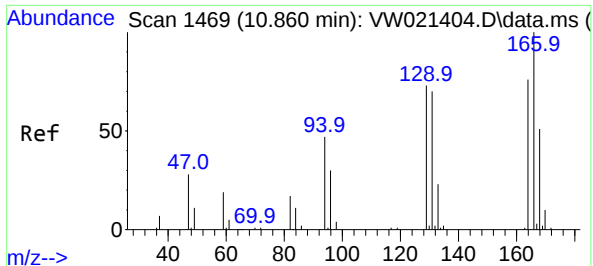
97 100

99 13.3 43.0 79.8#

83 259.9 62.6 116.3#

85 37.4 40.0 74.2#





#46

Tetrachloroethene

Concen: 425.115 ug/L

RT: 10.860 min Scan# 1469

Delta R.T. 0.000 min

Lab File: VW021426.D

Acq: 17 Dec 2021 13:06

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:164 Resp: 486134

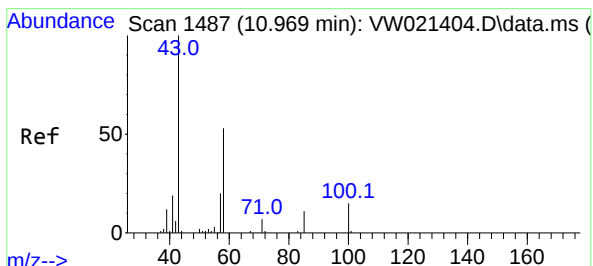
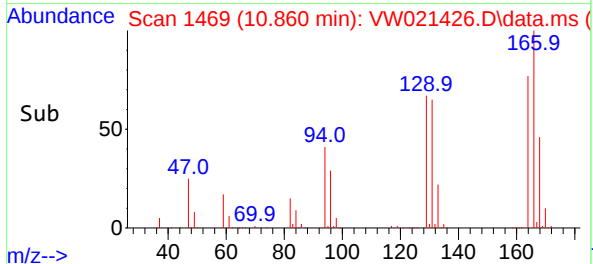
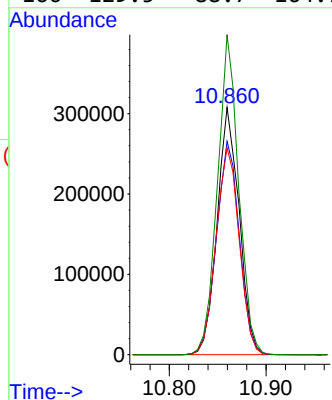
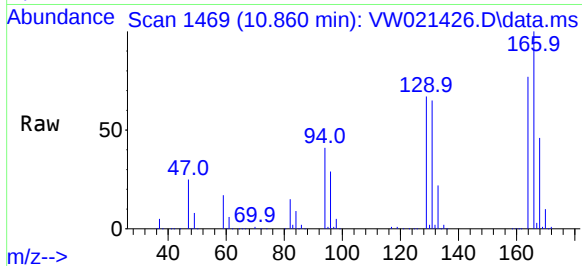
Ion Ratio Lower Upper

164 100

129 86.3 65.5 121.7

131 83.7 59.7 110.9

166 129.5 88.7 164.7



#48

2-Hexanone

Concen: 4.686 ug/L

RT: 10.921 min Scan# 1479

Delta R.T. -0.049 min

Lab File: VW021426.D

Acq: 17 Dec 2021 13:06

Tgt Ion: 43 Resp: 1771

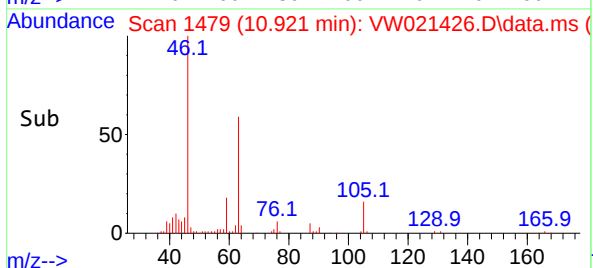
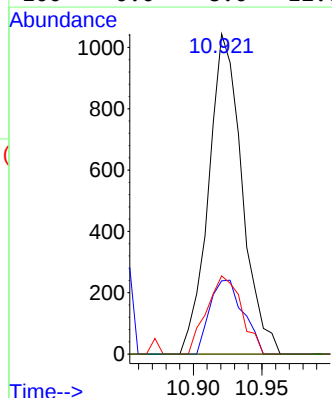
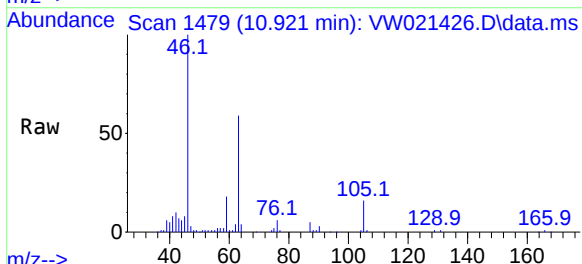
Ion Ratio Lower Upper

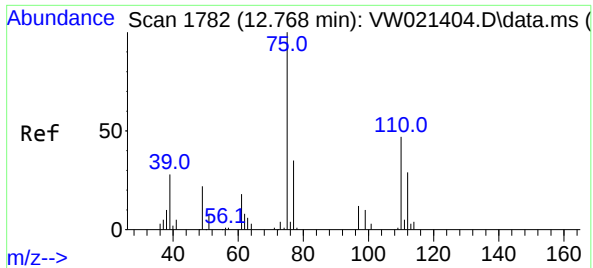
43 100

58 23.0 40.2 60.2#

57 25.4 14.3 21.5#

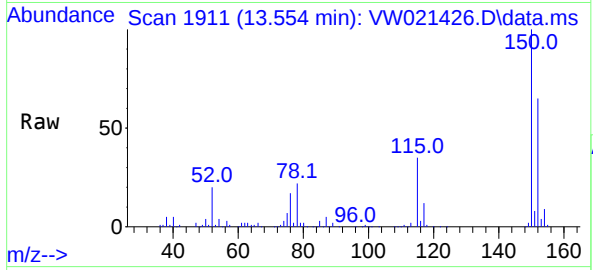
100 0.0 8.0 12.0#





1,2,3-Trichloropropane
 Concen: 7.488 ug/L
 RT: 13.554 min Scan# 1911
 Delta R.T. 0.787 min
 Lab File: VW021426.D
 Acq: 17 Dec 2021 13:06

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion: 75 Resp: 4568

Ion	Ratio	Lower	Upper
75	100		
77	35.8	25.8	38.8
110	2.7	29.0	43.4#

