

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
 Data File : VW021652.D
 Acq On : 25 Dec 2021 17:45
 Operator : SY/VA
 Sample : M5213-15RE
 Misc : 6.32g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 27 00:42:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 24 01:43:02 2021
 Response via : Initial Calibration

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

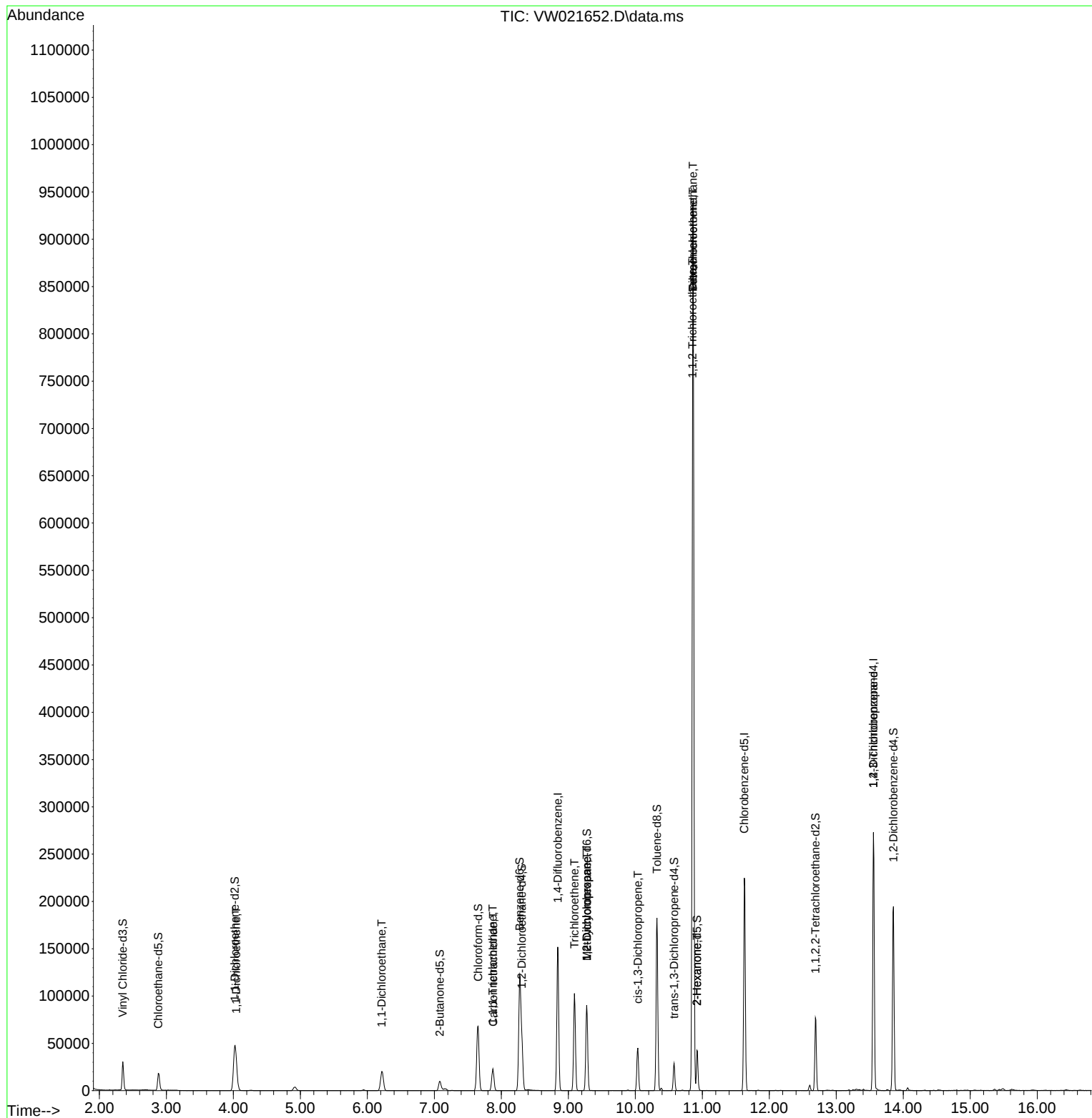
Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	127011	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	128722	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	72239	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	28462	12.304	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	49.200%
7) Chloroethane-d5	2.879	69	21438	14.019	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	56.080%
11) 1,1-Dichloroethene-d2	4.019	63	41612	13.493	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	53.960%
21) 2-Butanone-d5	7.080	46	17301	53.059	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.120%
24) Chloroform-d	7.653	84	69731	19.701	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	78.800%
26) 1,2-Dichloroethane-d4	8.305	65	39169	20.804	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.200%
32) Benzene-d6	8.275	84	124658	17.668	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	70.680%
36) 1,2-Dichloropropane-d6	9.274	67	37768	19.959	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	79.840%
41) Toluene-d8	10.323	98	119314	16.550	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	66.200%
43) trans-1,3-Dichloroprop...	10.579	79	15247	17.500	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	70.000%
47) 2-Hexanone-d5	10.921	63	14155	50.587	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.180%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	35173	21.623	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.480%
66) 1,2-Dichlorobenzene-d4	13.853	152	52540	18.767	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	75.080%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	4.044	96	11072	7.033	ug/L	# 72
19) 1,1-Dichloroethane	6.214	63	28462	10.640	ug/L	96
30) 1,1,1-Trichloroethane	7.872	97	17533	6.071	ug/L	95
31) Carbon tetrachloride	7.878	117	2378	0.893	ug/L	98
34) Trichloroethene	9.092	95	32218	16.367	ug/L	85
35) Methylcyclohexane	9.274	83	10381	3.197	ug/L	# 14
37) 1,2-Dichloropropane	9.274	63	4937	3.156	ug/L	# 88
39) cis-1,3-Dichloropropene	10.037	75	1385	0.562	ug/L	85
45) 1,1,2-Trichloroethane	10.853	97	1747	1.365	ug/L	# 21
46) Tetrachloroethene	10.860	164	211649	113.186	ug/L	97
48) 2-Hexanone	10.921	43	1838	2.974	ug/L	# 66
49) Dibromochloromethane	10.860	129	181911	115.264	ug/L	# 10
61) 1,2,3-Trichloropropane	13.554	75	8109	7.713	ug/L	# 67

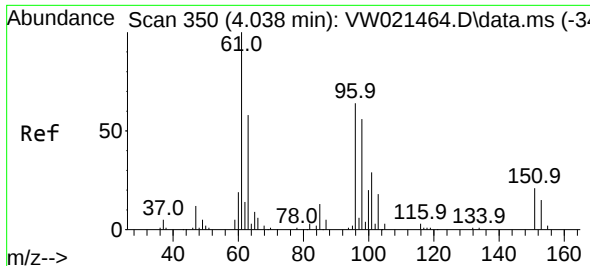
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0
QLast Update : Fri Dec 24 01:43:02 2021
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 7.033 ug/L

RT: 4.044 min Scan# 351

Delta R.T. 0.006 min

Lab File: VW021652.D

Acq: 25 Dec 2021 17:45

Instrument :

MSVOA_W

ClientSampleId :

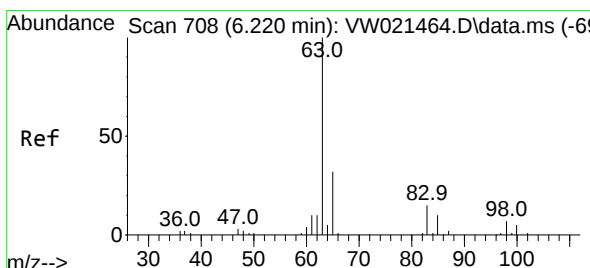
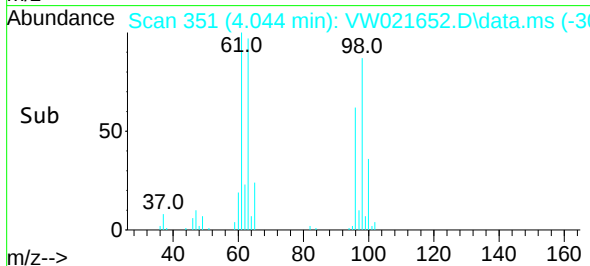
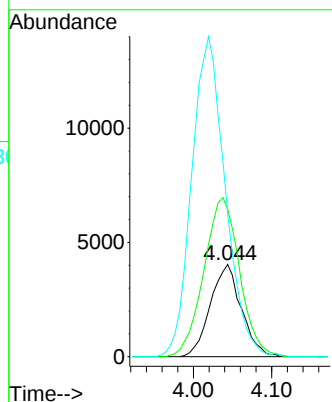
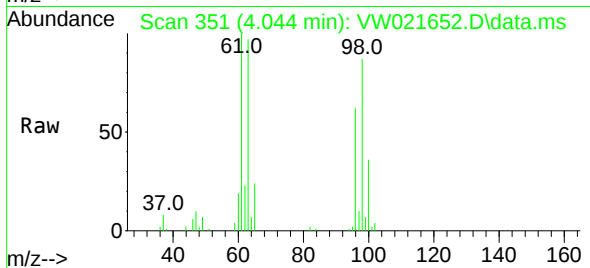
Tgt Ion: 96 Resp: 11072

Ion Ratio Lower Upper

96 100

61 160.0 138.3 256.9

63 154.9 82.6 153.4#



#19

1,1-Dichloroethane

Concen: 10.640 ug/L

RT: 6.214 min Scan# 707

Delta R.T. -0.006 min

Lab File: VW021652.D

Acq: 25 Dec 2021 17:45

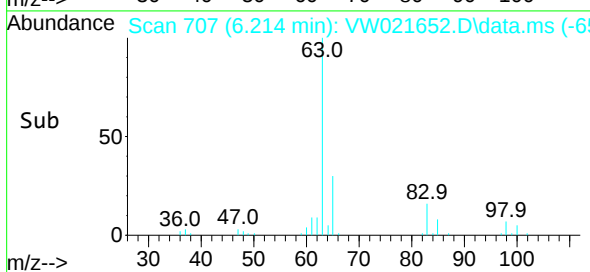
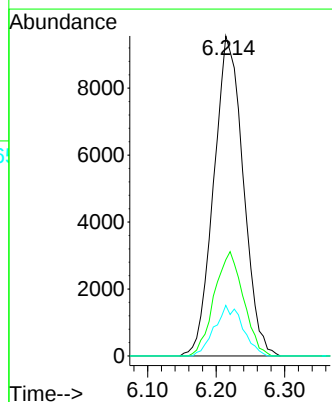
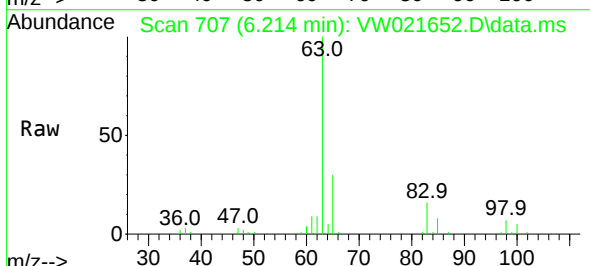
Tgt Ion: 63 Resp: 28462

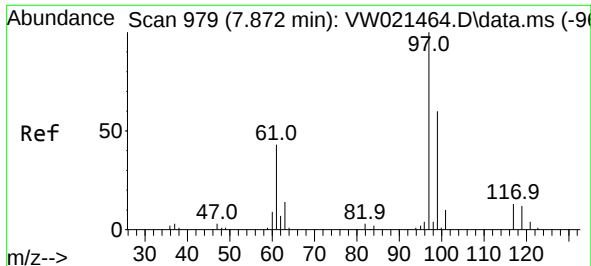
Ion Ratio Lower Upper

63 100

65 30.0 22.1 41.1

83 15.8 9.2 17.2





#30

1,1,1-Trichloroethane

Concen: 6.071 ug/L

RT: 7.872 min Scan# 91

Delta R.T. 0.000 min

Lab File: VW021652.D

Acq: 25 Dec 2021 17:45

Instrument :

MSVOA_W

ClientSampleId :

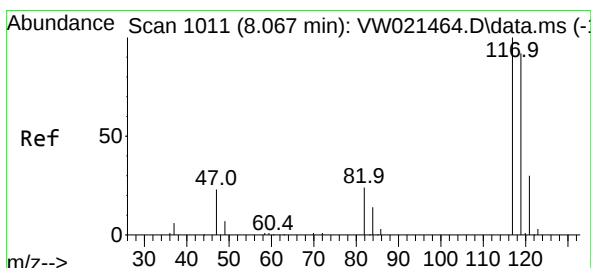
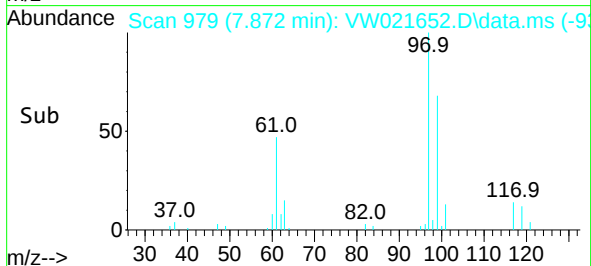
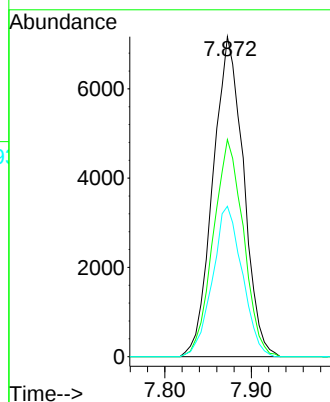
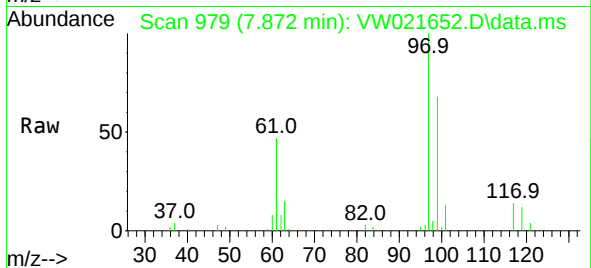
Tgt Ion: 97 Resp: 17533

Ion Ratio Lower Upper

97 100

99 67.2 51.6 77.4

61 45.9 40.9 61.3



#31

Carbon tetrachloride

Concen: 0.893 ug/L

RT: 7.878 min Scan# 980

Delta R.T. -0.189 min

Lab File: VW021652.D

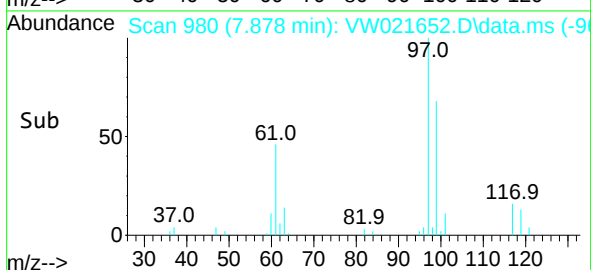
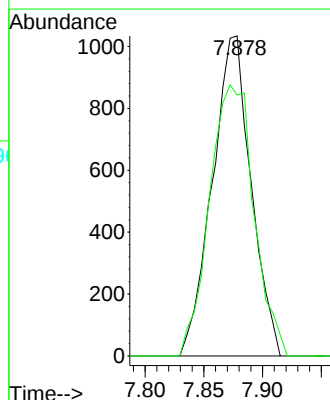
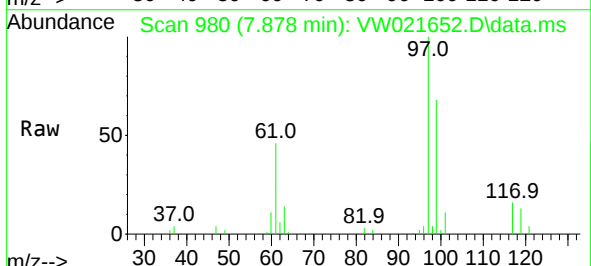
Acq: 25 Dec 2021 17:45

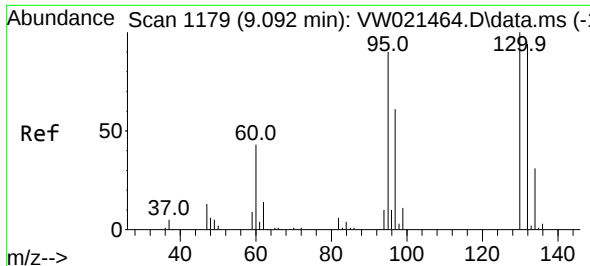
Tgt Ion: 117 Resp: 2378

Ion Ratio Lower Upper

117 100

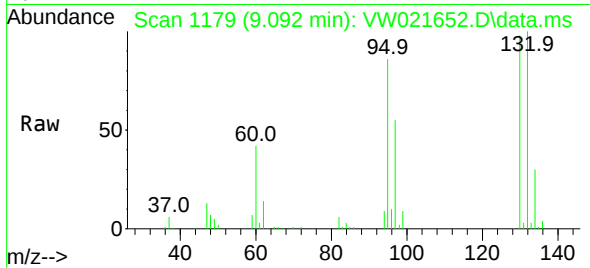
119 96.9 75.7 113.5





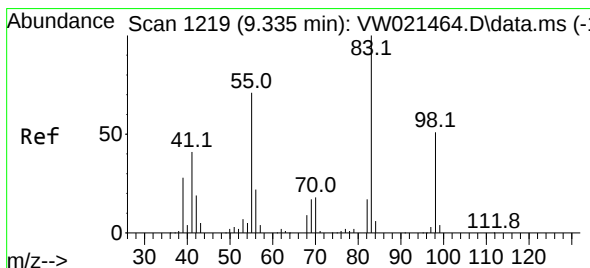
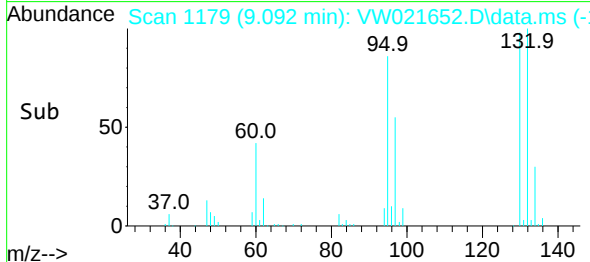
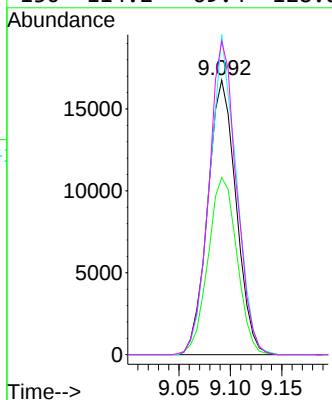
#34
Trichloroethene
Concen: 16.367 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW021652.D
Acq: 25 Dec 2021 17:45

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 95 Resp: 32218

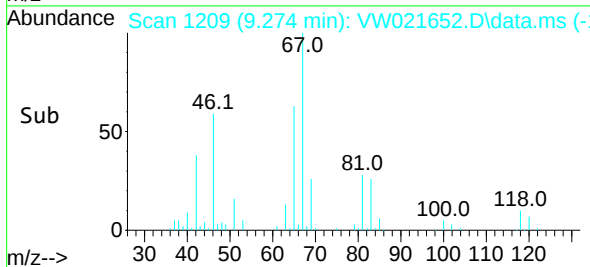
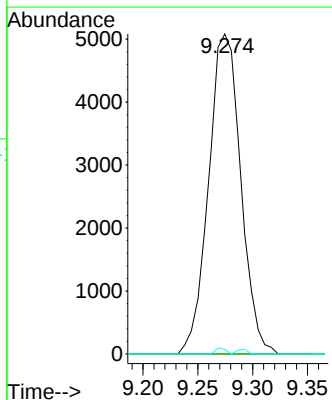
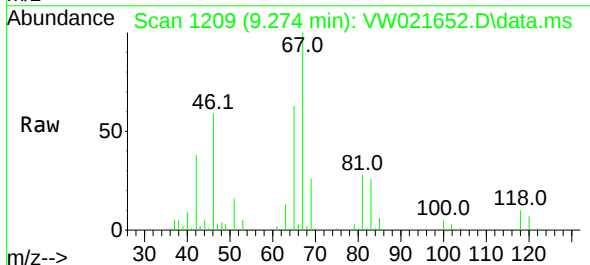
Ion	Ratio	Lower	Upper
95	100		
97	64.5	47.0	87.2
132	116.6	65.5	121.6
130	114.2	69.4	128.8

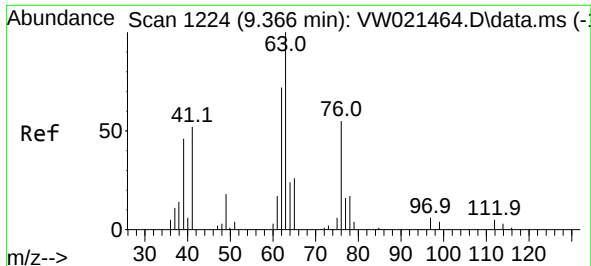


#35
Methylcyclohexane
Concen: 3.197 ug/L
RT: 9.274 min Scan# 1209
Delta R.T. -0.061 min
Lab File: VW021652.D
Acq: 25 Dec 2021 17:45

Tgt Ion: 83 Resp: 10381

Ion	Ratio	Lower	Upper
83	100		
55	0.0	70.8	106.2#
98	0.6	37.7	56.5#





#37

1,2-Dichloropropane

Concen: 3.156 ug/L

RT: 9.274 min Scan# 11

Delta R.T. -0.097 min

Lab File: VW021652.D

Acq: 25 Dec 2021 17:45

Instrument :

MSVOA_W

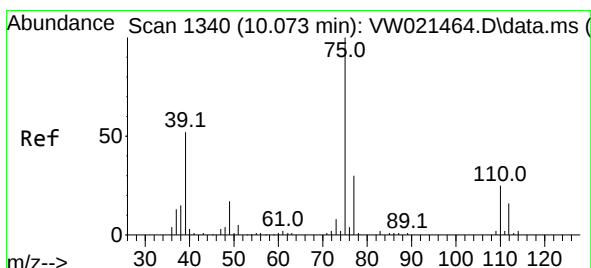
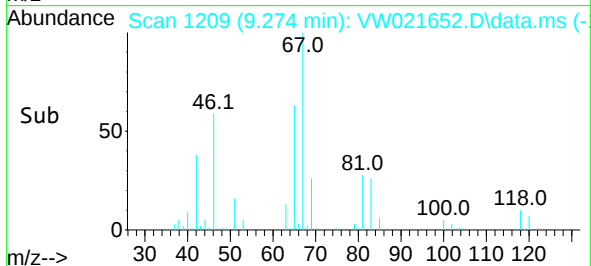
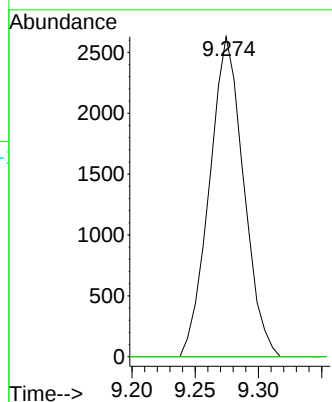
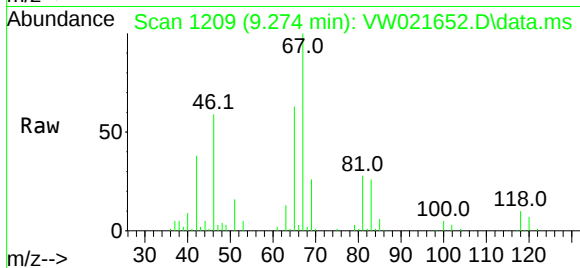
ClientSampleId :

Tgt Ion: 63 Resp: 4937

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.562 ug/L

RT: 10.037 min Scan# 1334

Delta R.T. -0.036 min

Lab File: VW021652.D

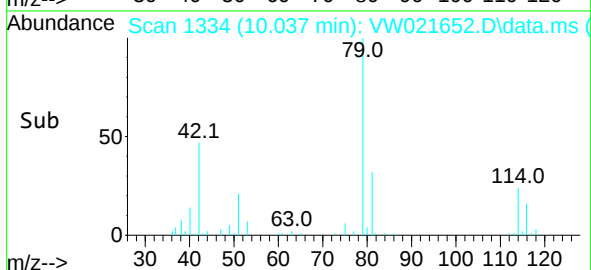
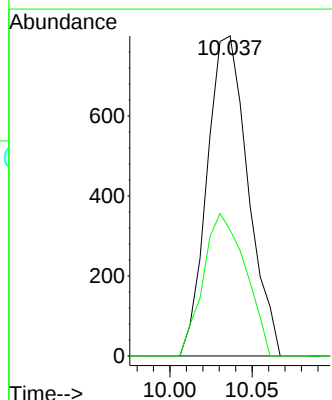
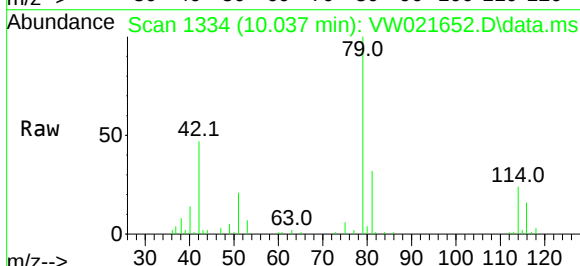
Acq: 25 Dec 2021 17:45

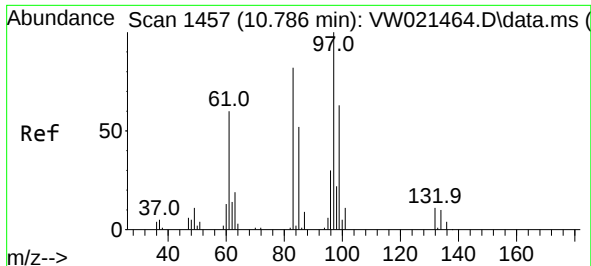
Tgt Ion: 75 Resp: 1385

Ion Ratio Lower Upper

75 100

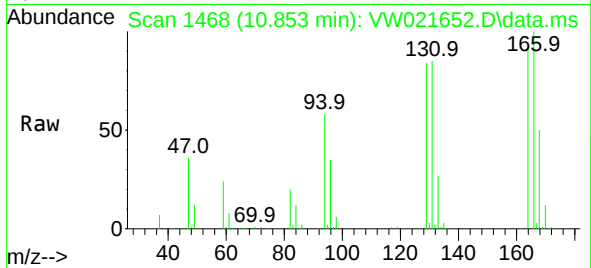
77 39.4 21.8 40.6



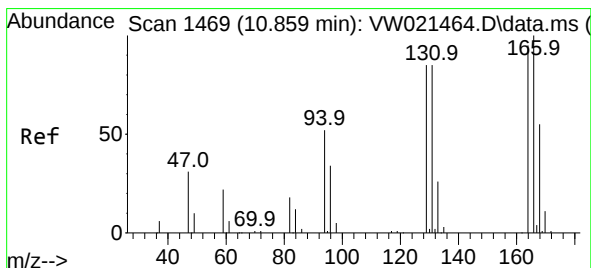
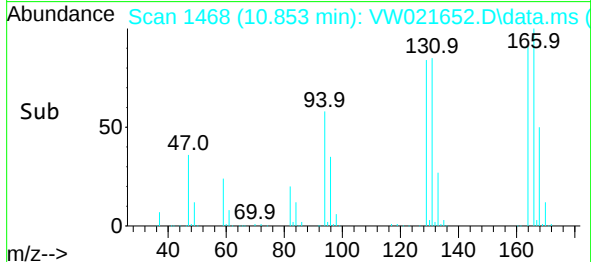
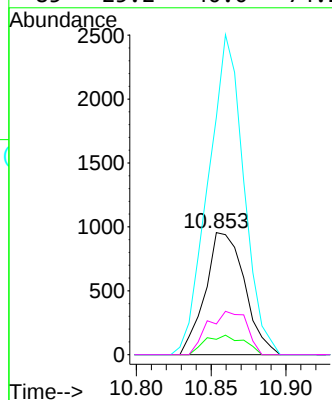


#45
1,1,2-Trichloroethane
Concen: 1.365 ug/L
RT: 10.853 min Scan# 1457
Delta R.T. 0.067 min
Lab File: VW021652.D
Acq: 25 Dec 2021 17:45

Instrument :
MSVOA_W
ClientSampleId :

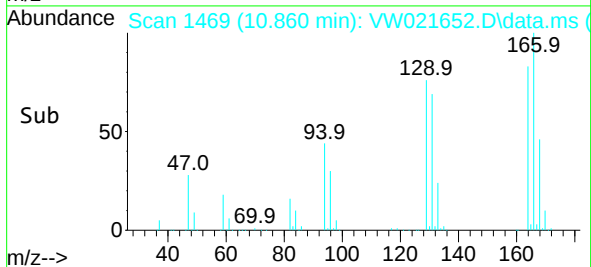
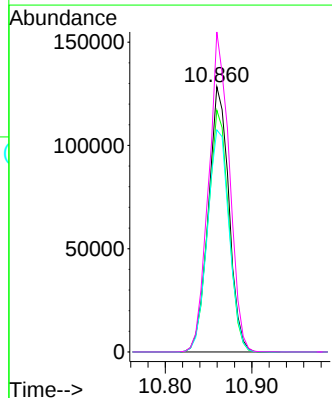
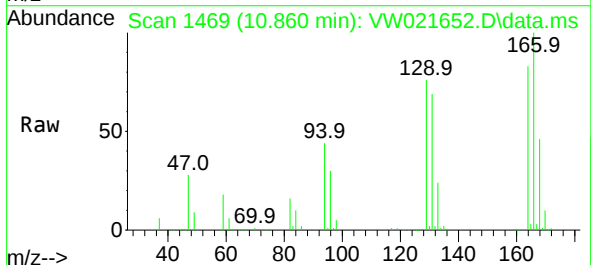


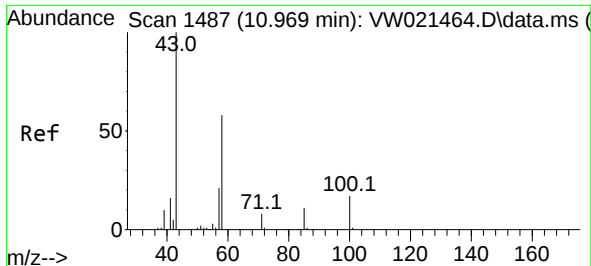
Tgt Ion: 97 Resp: 1747
Ion Ratio Lower Upper
97 100
99 12.6 43.0 79.8#
83 194.6 62.6 116.3#
85 25.2 40.0 74.2#



#46
Tetrachloroethene
Concen: 113.186 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. 0.000 min
Lab File: VW021652.D
Acq: 25 Dec 2021 17:45

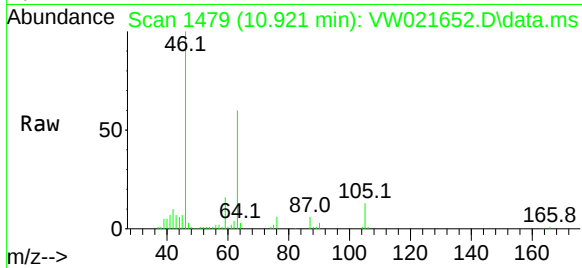
Tgt Ion:164 Resp: 211649
Ion Ratio Lower Upper
164 100
129 91.1 65.5 121.7
131 83.7 59.7 110.9
166 120.6 88.7 164.7



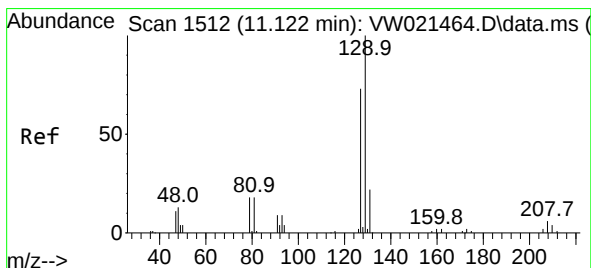
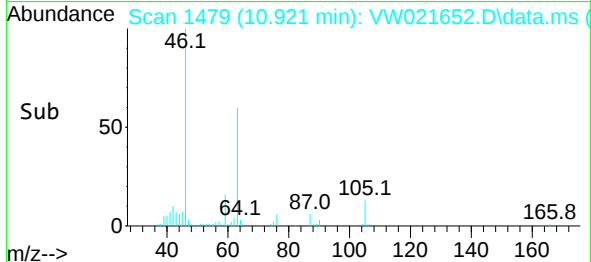
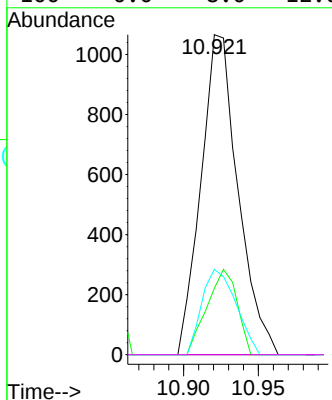


#48
2-Hexanone
Concen: 2.974 ug/L
RT: 10.921 min Scan# 1487
Delta R.T. -0.049 min
Lab File: VW021652.D
Acq: 25 Dec 2021 17:45

Instrument :
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ClientSampleId :

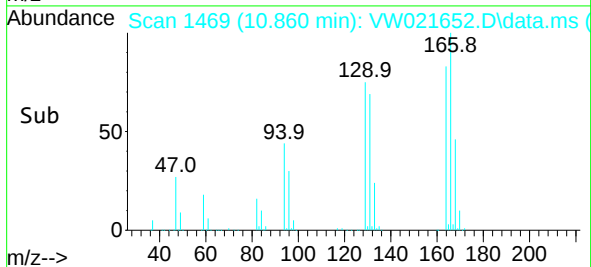
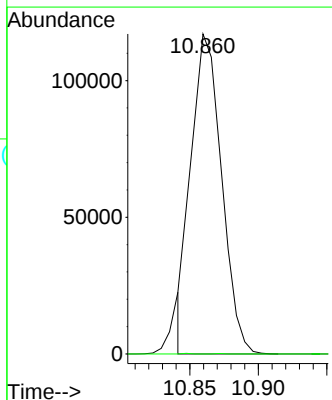
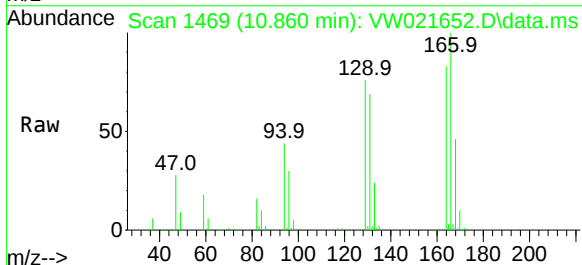


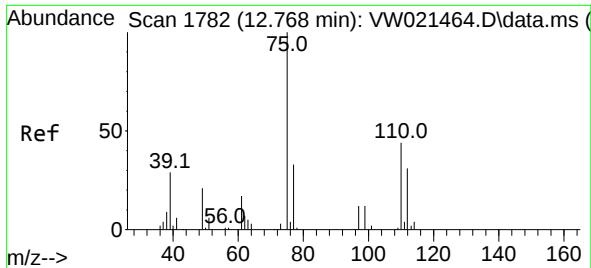
Tgt Ion: 43	Resp: 1838
Ion Ratio	Lower Upper
43 100	
58 21.5	40.2 60.2#
57 24.6	14.3 21.5#
100 0.0	8.0 12.0#



#49
Dibromochloromethane
Concen: 115.264 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. -0.268 min
Lab File: VW021652.D
Acq: 25 Dec 2021 17:45

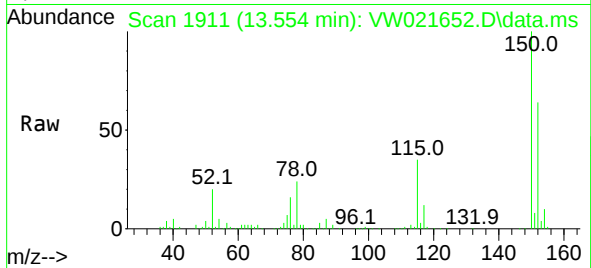
Tgt Ion:129	Resp:	181911	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.7	103.5#





#61
 1,2,3-Trichloropropane
 Concen: 7.713 ug/L
 RT: 13.554 min Scan# 1911
 Delta R.T. 0.787 min
 Lab File: VW021652.D
 Acq: 25 Dec 2021 17:45

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion: 75	Resp:	8109
Ion Ratio	Lower	Upper
75	100	
77	35.8	25.8 38.8
110	3.1	29.0 43.4#

