

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121121\
 Data File : VW021329.D
 Acq On : 11 Dec 2021 16:05
 Operator : SY/VA
 Sample : M5062-06
 Misc : 6.73g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 12 08:08:27 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	87384	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.627	117	83326	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	43573	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.342	65	38978	24.492	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.960%
7) Chloroethane-d5	2.879	69	28553	27.139	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.560%
11) 1,1-Dichloroethene-d2	4.019	63	65769	30.997	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	124.000%#
21) 2-Butanone-d5	7.092	46	12016	53.562	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.120%
24) Chloroform-d	7.646	84	61180	25.123	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.480%
26) 1,2-Dichloroethane-d4	8.305	65	30969	23.908	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.640%
32) Benzene-d6	8.274	84	111588	24.431	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.720%
36) 1,2-Dichloropropane-d6	9.274	67	32757	26.742	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.960%
41) Toluene-d8	10.323	98	111617	23.918	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.680%
43) trans-1,3-Dichloroprop...	10.579	79	14556	25.808	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.240%
47) 2-Hexanone-d5	10.920	63	10148	56.025	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.060%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	26678	25.335	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.360%
66) 1,2-Dichlorobenzene-d4	13.853	152	38223	22.635	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.520%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	4.037	96	62159	57.387	ug/L	# 64
16) Methylene chloride	4.915	84	8691	6.019	ug/L	83
19) 1,1-Dichloroethane	6.214	63	78610	42.715	ug/L	97
30) 1,1,1-Trichloroethane	7.872	97	2473810	1323.178	ug/L	94
31) Carbon tetrachloride	7.872	117	317969	184.364	ug/L	97
34) Trichloroethene	9.091	95	175869	138.021	ug/L	93
35) Methylcyclohexane	9.274	83	8621	4.101	ug/L	# 15
37) 1,2-Dichloropropane	9.274	63	4011	3.961	ug/L	# 88
39) cis-1,3-Dichloropropene	10.030	75	1374	0.861	ug/L	# 74
42) Toluene	10.390	91	177576	33.449	ug/L	98
45) 1,1,2-Trichloroethane	10.786	97	601	0.725	ug/L	86
46) Tetrachloroethene	10.859	164	4409378	3642.727	ug/L	92
48) 2-Hexanone	10.926	43	1365	3.412	ug/L	# 66
53) m,p-Xylene	11.835	106	5901	2.411	ug/L	83
54) o-Xylene	12.158	106	1919	0.826	ug/L	76
63) 1,2,4-Trimethylbenzene	13.249	105	3002	0.604	ug/L	100

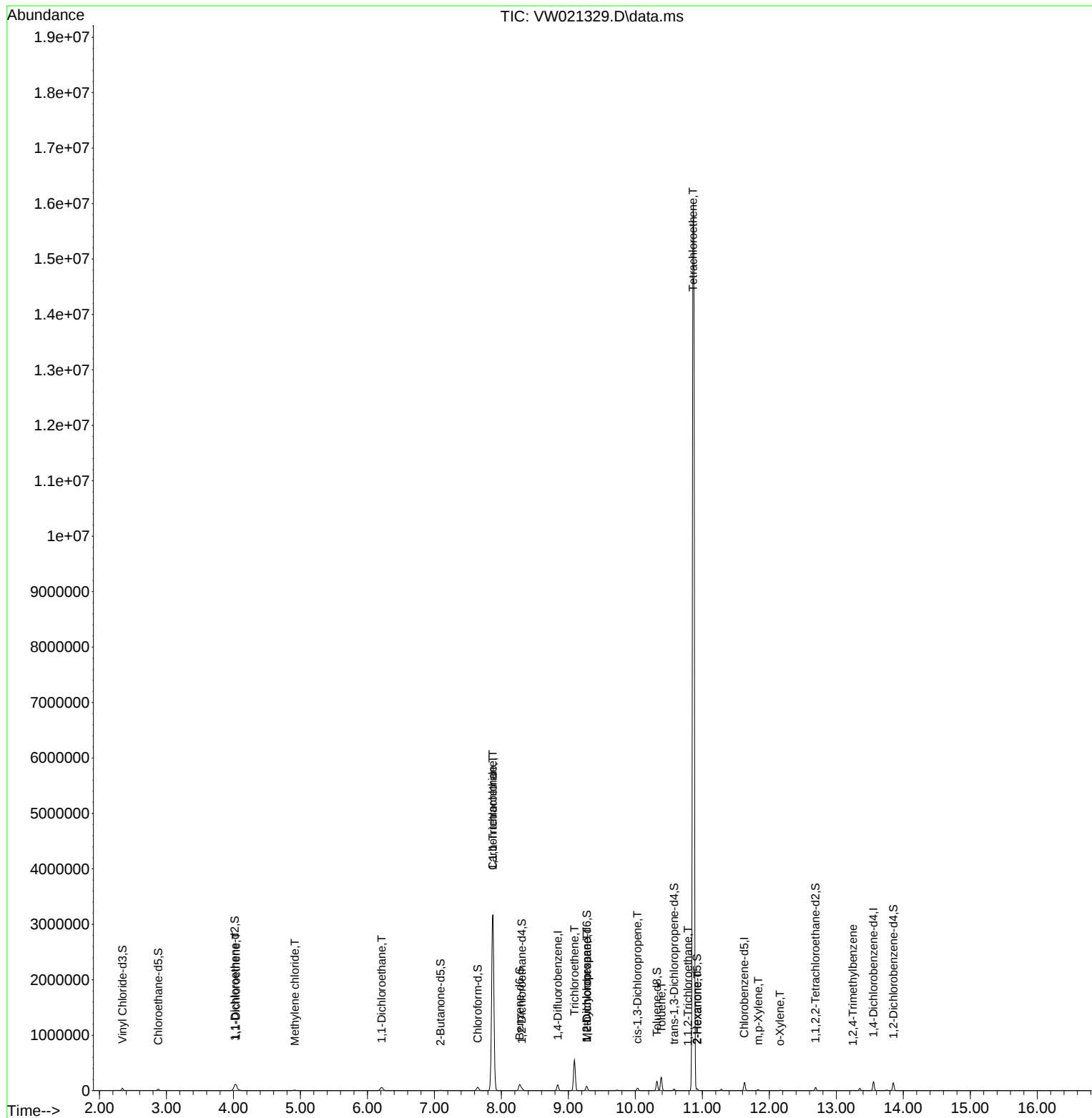
(#) = qualifier out of range (m) = manual integration (+) = signals summed

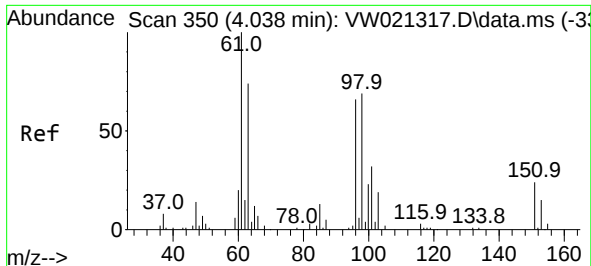
Instrument :
MSVOA_W
ClientSampleId :

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121121\
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Quant Title : SFAM01.0
QLast Update : Fri Dec 10 23:12:45 2021
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 57.387 ug/L

RT: 4.037 min Scan# 3

Delta R.T. -0.007 min

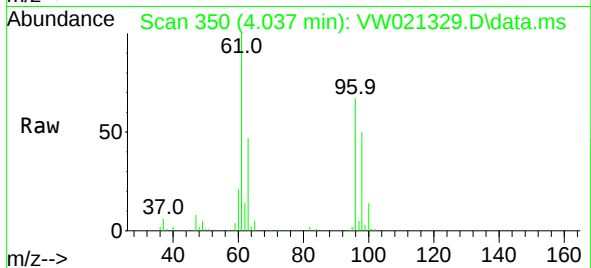
Lab File: VW021329.D

Acq: 11 Dec 2021 16:05

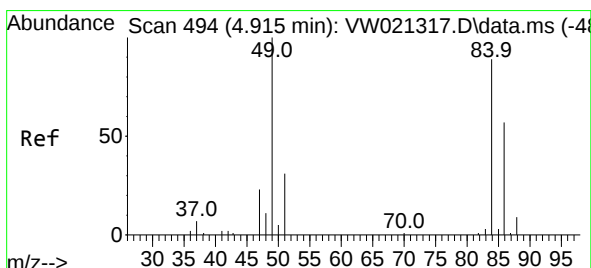
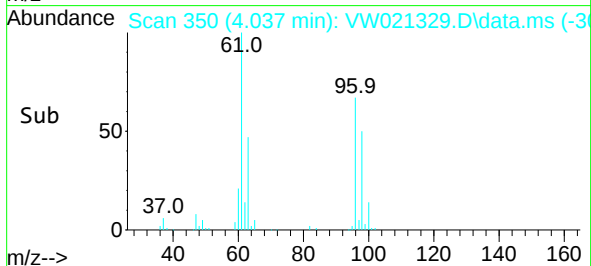
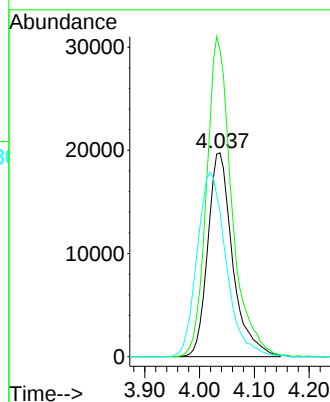
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	96	Resp:	62159
Ion	Ratio	Lower	Upper
96	100		
61	150.4	138.3	256.9
63	71.3	82.6	153.4#



#16

Methylene chloride

Concen: 6.019 ug/L

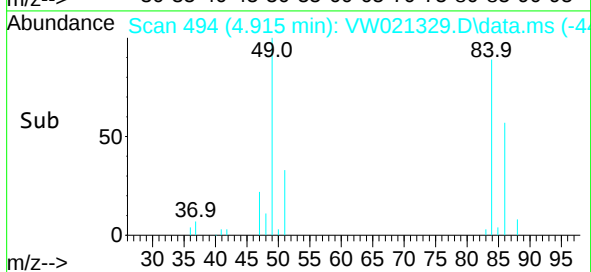
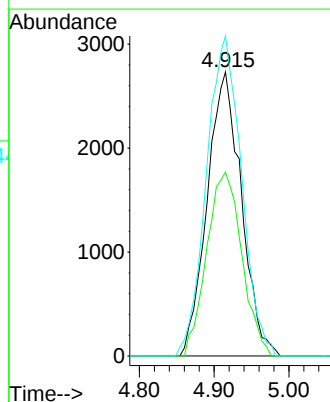
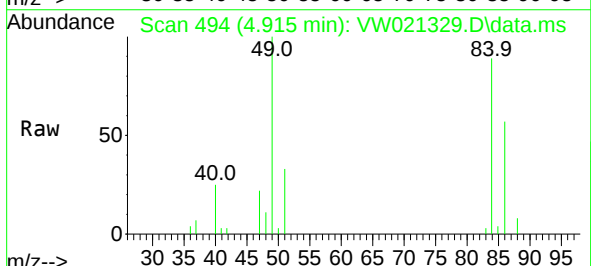
RT: 4.915 min Scan# 494

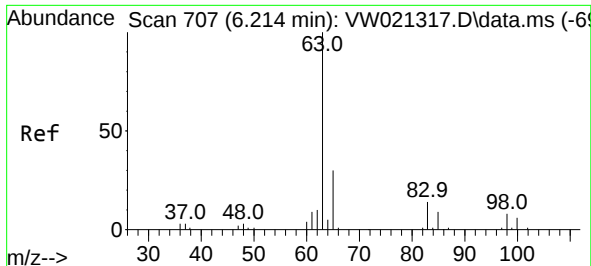
Delta R.T. -0.000 min

Lab File: VW021329.D

Acq: 11 Dec 2021 16:05

Tgt Ion:	84	Resp:	8691
Ion	Ratio	Lower	Upper
84	100		
86	64.8	45.5	84.5
49	112.7	100.5	186.7





#19

1,1-Dichloroethane

Concen: 42.715 ug/L

RT: 6.214 min Scan# 707

Delta R.T. -0.000 min

Lab File: VW021329.D

Acq: 11 Dec 2021 16:05

Instrument :

MSVOA_W

ClientSampleId :

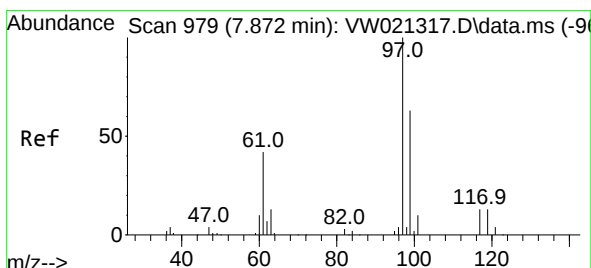
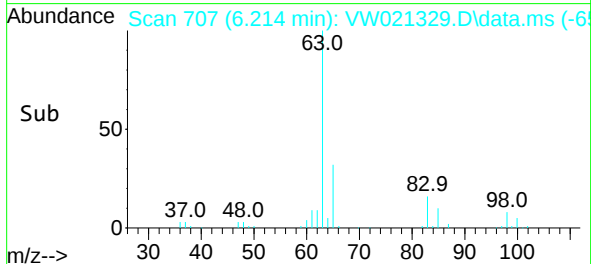
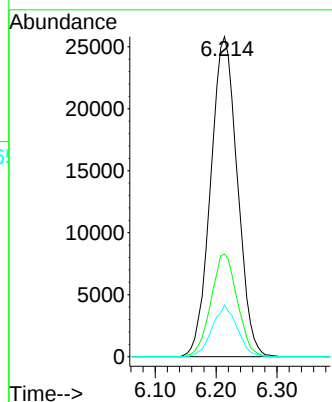
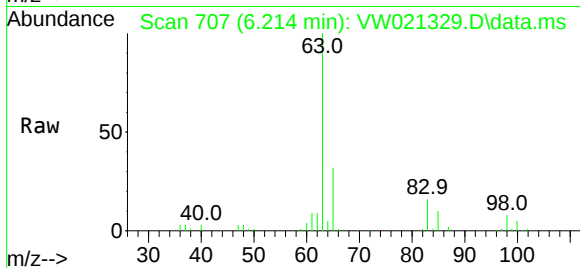
Tgt Ion: 63 Resp: 78610

Ion Ratio Lower Upper

63 100

65 32.0 22.1 41.1

83 16.1 9.2 17.2



#30

1,1,1-Trichloroethane

Concen: 1323.178 ug/L

RT: 7.872 min Scan# 979

Delta R.T. -0.000 min

Lab File: VW021329.D

Acq: 11 Dec 2021 16:05

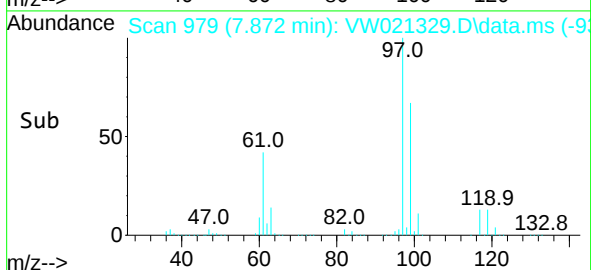
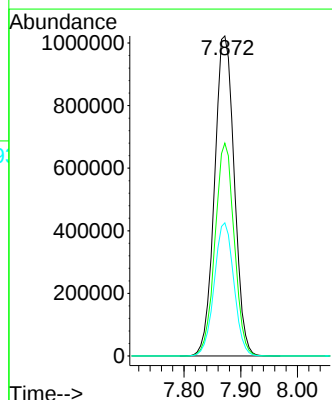
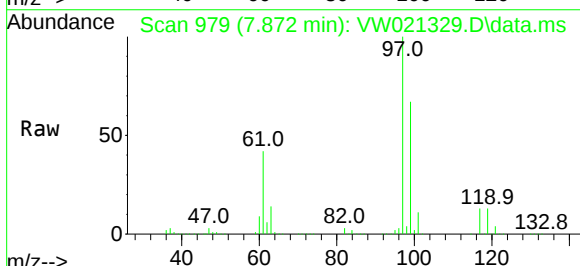
Tgt Ion: 97 Resp: 2473810

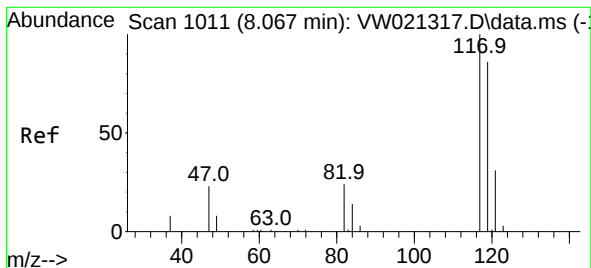
Ion Ratio Lower Upper

97 100

99 64.7 51.6 77.4

61 41.4 40.9 61.3





#31

Carbon tetrachloride

Concen: 184.364 ug/L

RT: 7.872 min Scan# 91

Delta R.T. -0.196 min

Lab File: VW021329.D

Acq: 11 Dec 2021 16:05

Instrument :

MSVOA_W

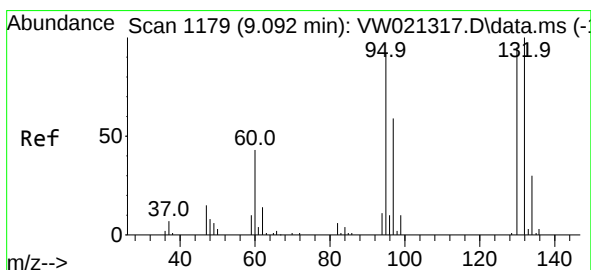
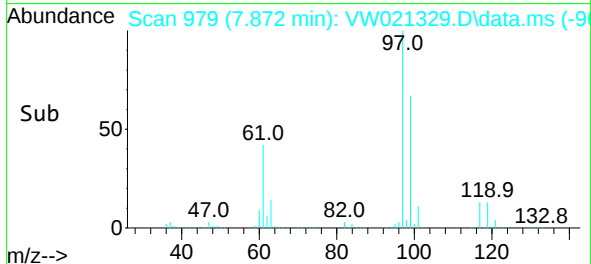
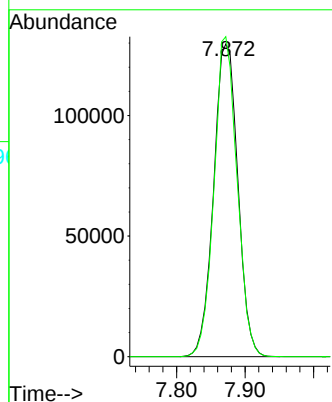
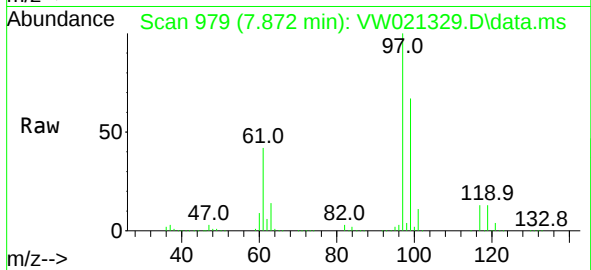
ClientSampleId :

Tgt Ion:117 Resp: 317969

Ion Ratio Lower Upper

117 100

119 97.5 75.7 113.5



#34

Trichloroethene

Concen: 138.021 ug/L

RT: 9.091 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VW021329.D

Acq: 11 Dec 2021 16:05

Tgt Ion: 95 Resp: 175869

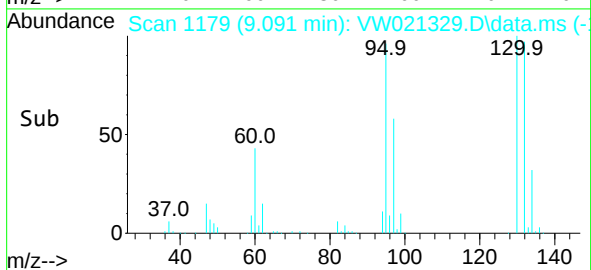
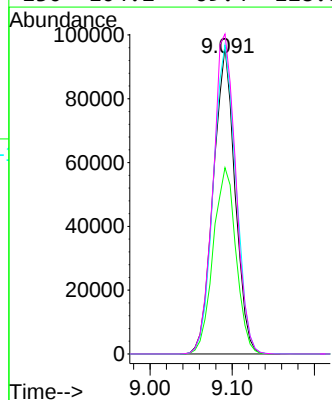
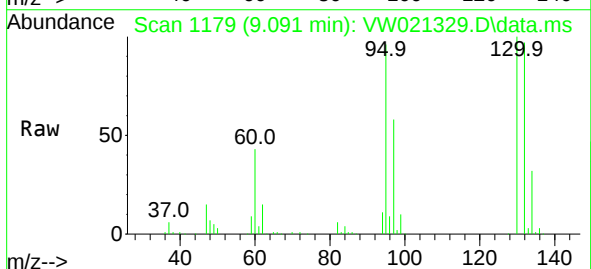
Ion Ratio Lower Upper

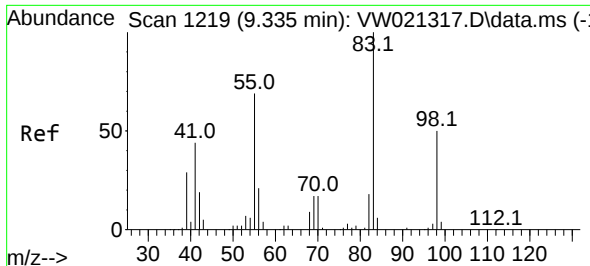
95 100

97 60.7 47.0 87.2

132 100.6 65.5 121.6

130 104.2 69.4 128.8

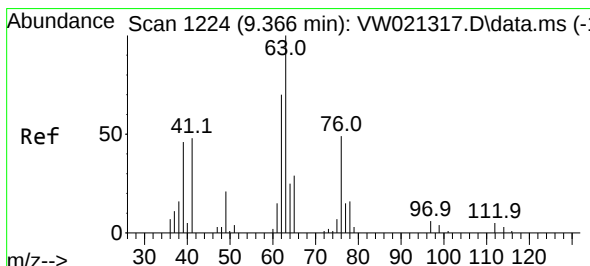
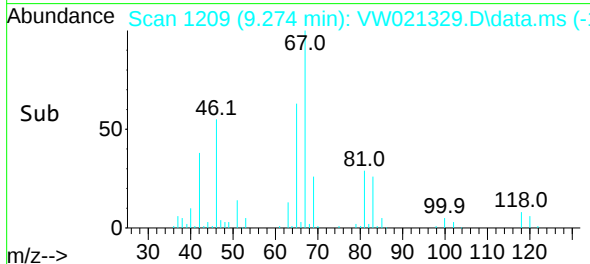
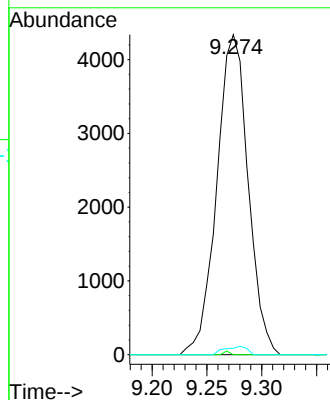
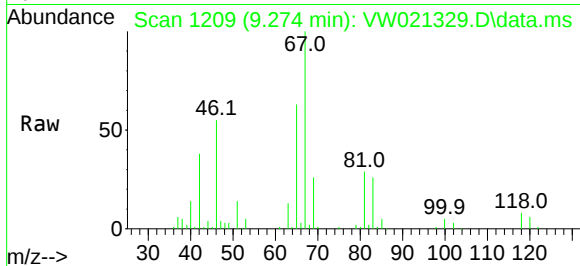




#35
Methylcyclohexane
Concen: 4.101 ug/L
RT: 9.274 min Scan# 11
Delta R.T. -0.061 min
Lab File: VW021329.D
Acq: 11 Dec 2021 16:05

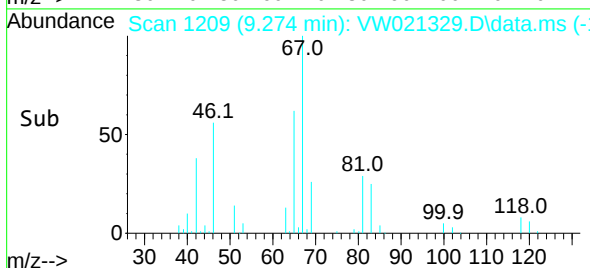
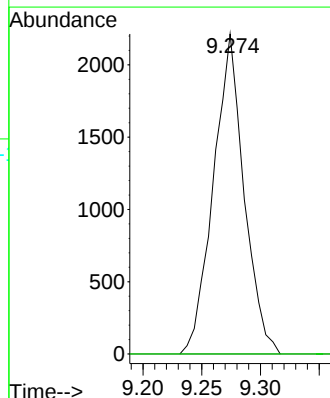
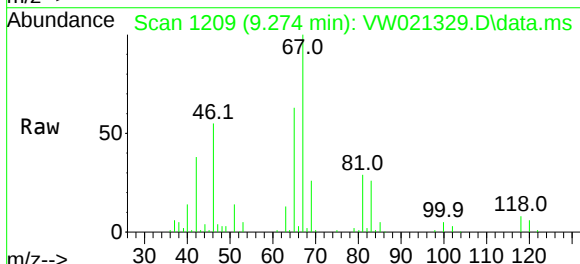
Instrument :
MSVOA_W
ClientSampleId :

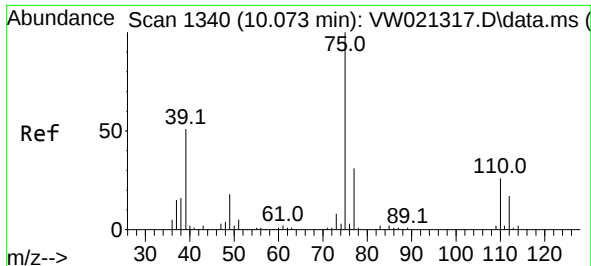
Tgt Ion: 83 Resp: 8621
Ion Ratio Lower Upper
83 100
55 0.0 70.8 106.2#
98 1.9 37.7 56.5#



#37
1,2-Dichloropropane
Concen: 3.961 ug/L
RT: 9.274 min Scan# 1209
Delta R.T. -0.092 min
Lab File: VW021329.D
Acq: 11 Dec 2021 16:05

Tgt Ion: 63 Resp: 4011
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.861 ug/L

RT: 10.030 min Scan# 11

Delta R.T. -0.043 min

Lab File: VW021329.D

Acq: 11 Dec 2021 16:05

Instrument :

MSVOA_W

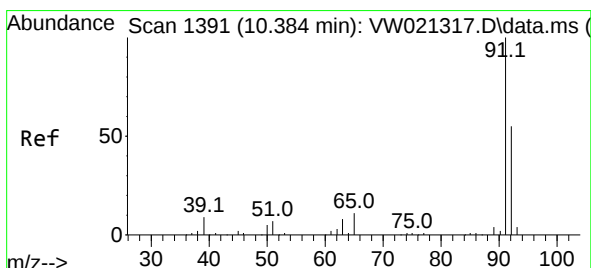
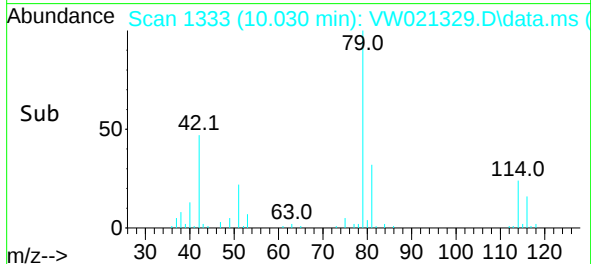
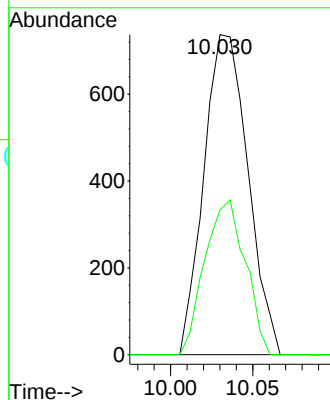
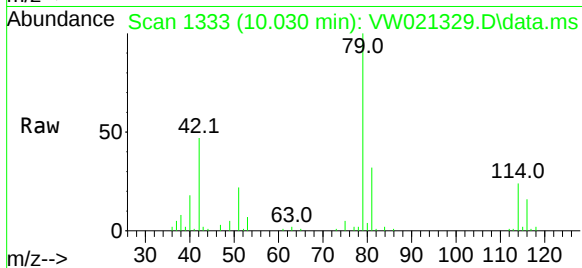
ClientSampleId :

Tgt Ion: 75 Resp: 1374

Ion Ratio Lower Upper

75 100

77 45.3 21.8 40.6#



#42

Toluene

Concen: 33.449 ug/L

RT: 10.390 min Scan# 1392

Delta R.T. -0.000 min

Lab File: VW021329.D

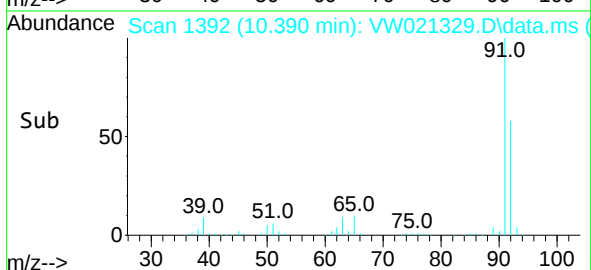
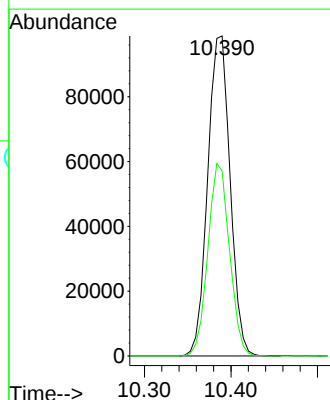
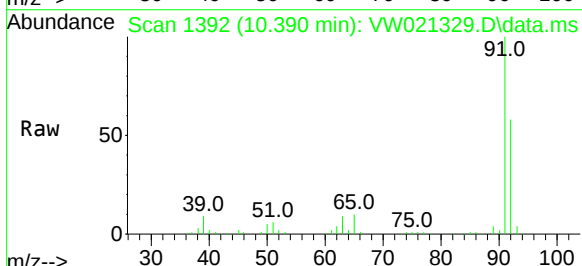
Acq: 11 Dec 2021 16:05

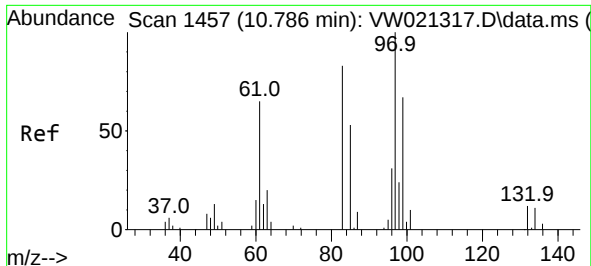
Tgt Ion: 91 Resp: 177576

Ion Ratio Lower Upper

91 100

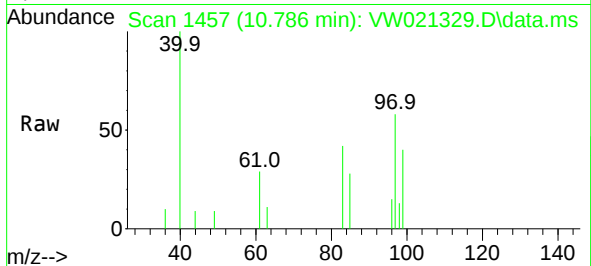
92 57.9 41.7 77.5



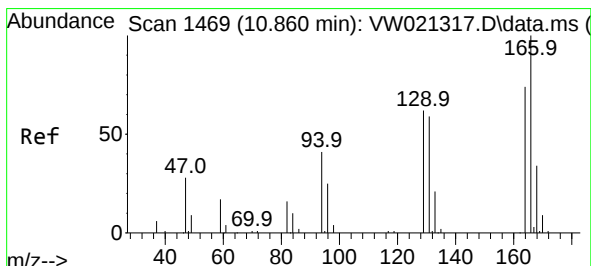
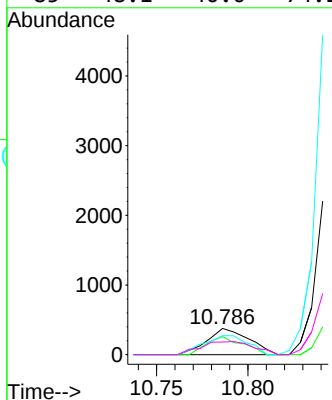
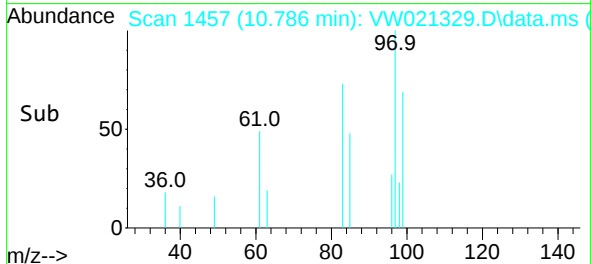


#45
1,1,2-Trichloroethane
Concen: 0.725 ug/L
RT: 10.786 min Scan# 1457
Delta R.T. -0.000 min
Lab File: VW021329.D
Acq: 11 Dec 2021 16:05

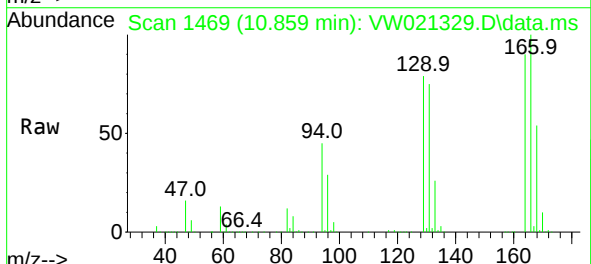
Instrument :
MSVOA_W
ClientSampleId :



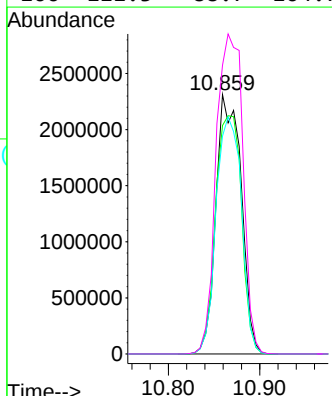
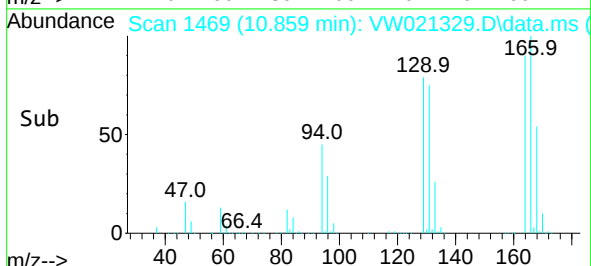
Tgt Ion: 97	Resp: 601
Ion Ratio	Lower Upper
97 100	
99 69.1	43.0 79.8
83 72.9	62.6 116.3
85 48.1	40.0 74.2

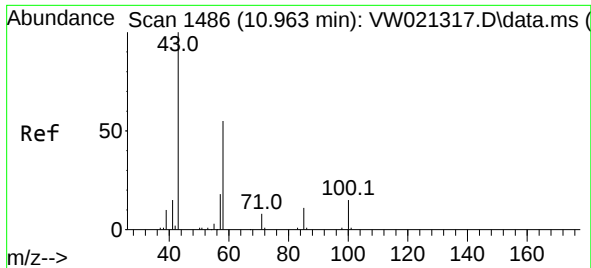


#46
Tetrachloroethene
Concen: 3642.727 ug/L
RT: 10.859 min Scan# 1469
Delta R.T. -0.000 min
Lab File: VW021329.D
Acq: 11 Dec 2021 16:05



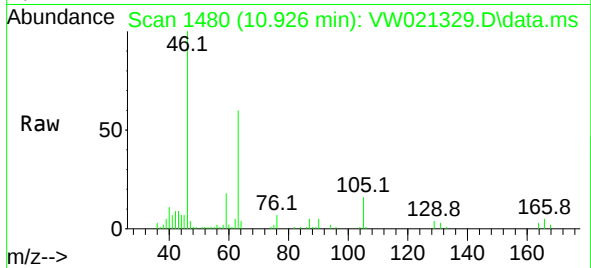
Tgt	Ion:164	Resp:	4409378
Ion	Ratio	Lower	Upper
164	100		
129	88.1	65.5	121.7
131	84.0	59.7	110.9
166	111.3	88.7	164.7



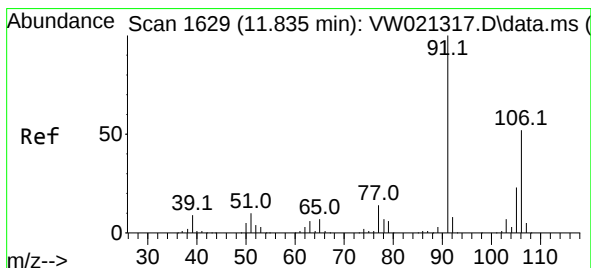
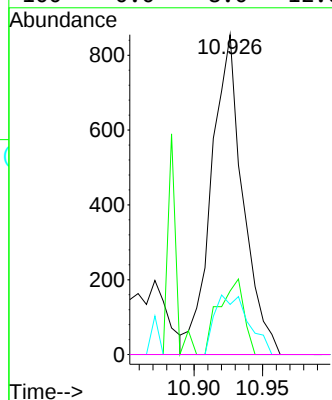
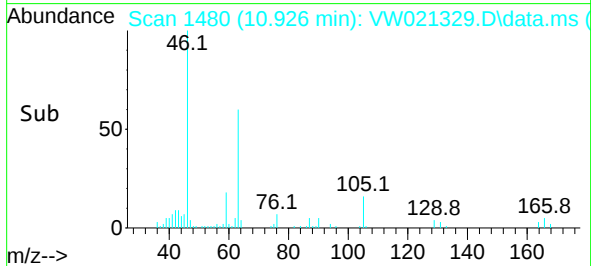


#48
2-Hexanone
Concen: 3.412 ug/L
RT: 10.926 min Scan# 1486
Delta R.T. -0.043 min
Lab File: VW021329.D
Acq: 11 Dec 2021 16:05

Instrument :
MSVOA_W
ClientSampleId :

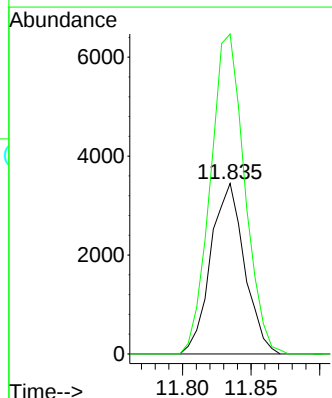
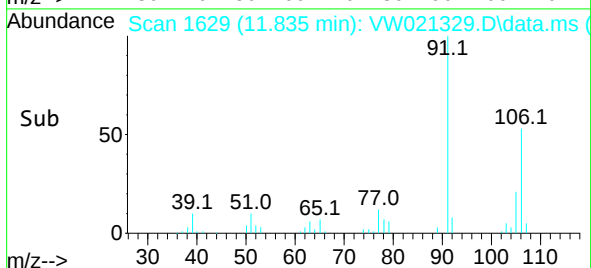
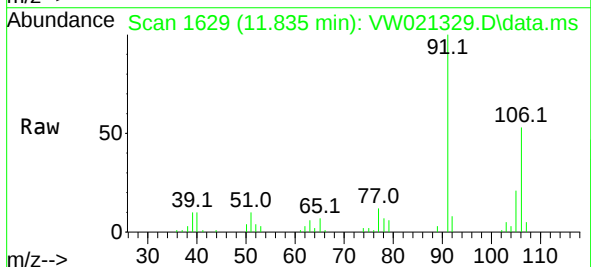


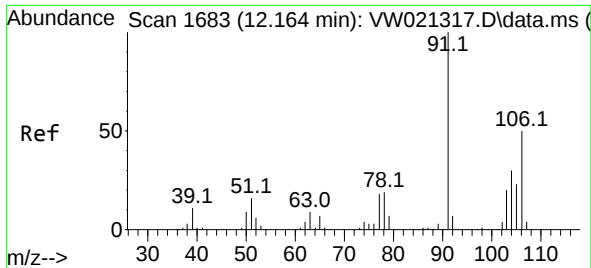
Tgt Ion: 43 Resp: 1365
Ion Ratio Lower Upper
43 100
58 18.8 40.2 60.2#
57 20.1 14.3 21.5
100 0.0 8.0 12.0#



#53
m,p-Xylene
Concen: 2.411 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.007 min
Lab File: VW021329.D
Acq: 11 Dec 2021 16:05

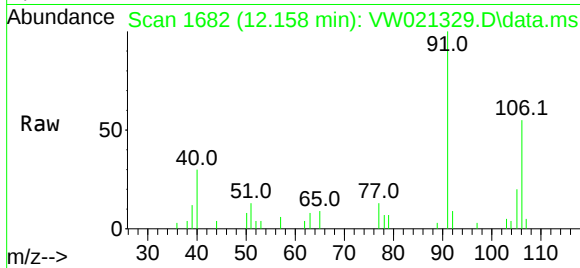
Tgt Ion:106 Resp: 5901
Ion Ratio Lower Upper
106 100
91 187.6 149.9 278.3



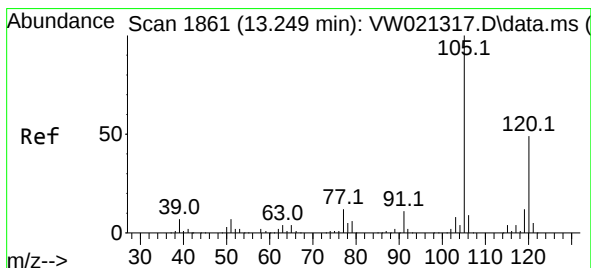
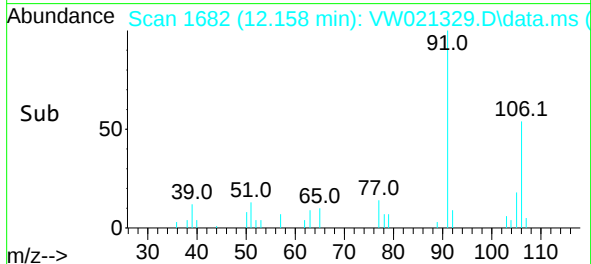
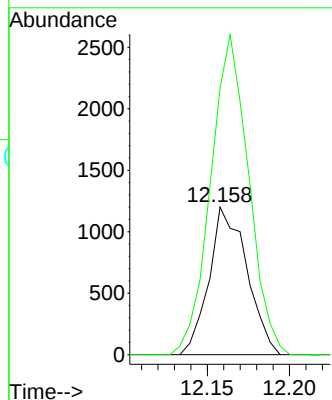


#54
o-Xylene
Concen: 0.826 ug/L
RT: 12.158 min Scan# 1
Delta R.T. -0.007 min
Lab File: VW021329.D
Acq: 11 Dec 2021 16:05

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:106 Resp: 1919
Ion Ratio Lower Upper
106 100
91 180.7 153.6 285.3



#63
1,2,4-Trimethylbenzene
Concen: 0.604 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW021329.D
Acq: 11 Dec 2021 16:05

Tgt Ion:105 Resp: 3002
Ion Ratio Lower Upper
105 100
120 43.6 35.0 52.6

