

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110320\
 Data File : VW017062.D
 Acq On : 03 Nov 2020 16:20
 Operator : SY/VA
 Sample : L4615-05
 Misc : 4.99G/10ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG477

Quant Time: Nov 04 04:12:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 04 04:03:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	240971	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	206018	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	75759	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	61770	22.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.84%
7) Chloroethane-d5	2.89	69	53900	25.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.04%
10) 1,1-Dichloroethene-d2	4.02	63	96910	17.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.64%
20) 2-Butanone-d5	7.08	46	24831	47.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.80%
24) Chloroform-d	7.65	84	130407	23.46	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.84%
26) 1,2-Dichloroethane-d4	8.31	65	63290	24.19	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.76%
29) Benzene-d6	8.28	84	265628	25.10	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.40%
33) 1,2-Dichloropropane-d6	9.27	67	74140	25.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.80%
37) Toluene-d8	10.33	98	235680	23.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.60%
38) trans-1,3-Dichloropropene-	10.58	79	27264	22.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.96%
39) 2-Hexanone-d5	10.93	63	20254	50.50	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.00%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	51924	23.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.44%
61) 1,2-Dichlorobenzene-d4	13.85	152	65472	24.59	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.36%

Target Compounds

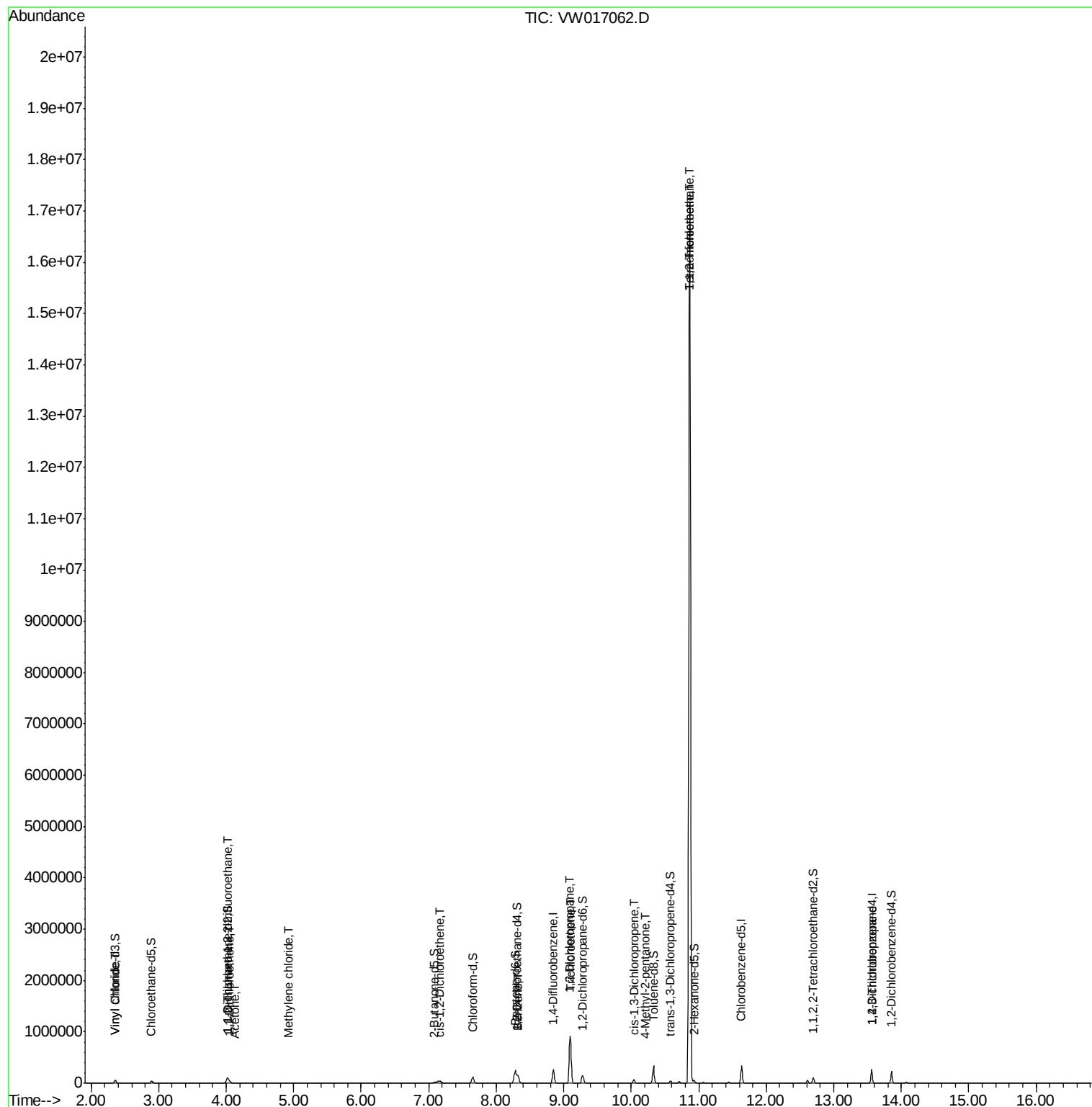
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	2.36	62	1174	0.338	ug/L #	1
11) 1,1,2-Trichloro-1,2,2-trif	4.01	101	936	0.282	ug/L #	17
12) 1,1-Dichloroethene	4.05	96	12445	3.945	ug/L #	56
13) Acetone	4.13	43	3419	9.699	ug/L	98
16) Methylene chloride	4.92	84	6266	1.967	ug/L	86
22) cis-1,2-Dichloroethene	7.17	96	16348	4.901	ug/L	89
34) Benzene	8.32	78	102499	9.006	ug/L	100
35) Trichloroethene	9.10	95	326326	103.528	ug/L	100
40) 1,2-Dichloropropane	9.09	63	1032	0.406	ug/L	99
42) cis-1,3-Dichloropropene	10.04	75	1948	0.490	ug/L #	75
43) 4-Methyl-2-pentanone	10.21	43	1776	1.474	ug/L #	90
46) 1,1,2-Trichloroethane	10.87	97	31396	15.432	ug/L #	1
47) Tetrachloroethene	10.87	164	4056930	1399.197	ug/L	94
59) 1,2,3-Trichloropropane	13.56	75	7863	5.032	ug/L	93

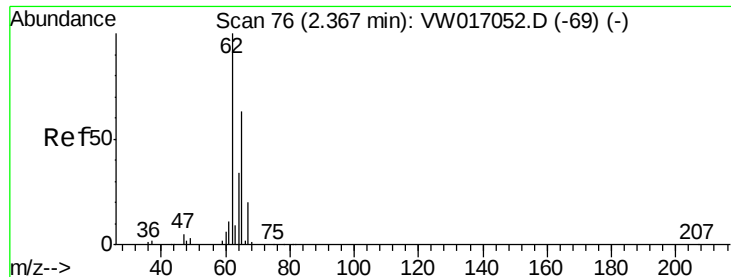
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 04 04:03:33 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.338 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW017062.D

Acq: 03 Nov 2020 16:20

Instrument :

MSVOA_W

ClientSampleId :

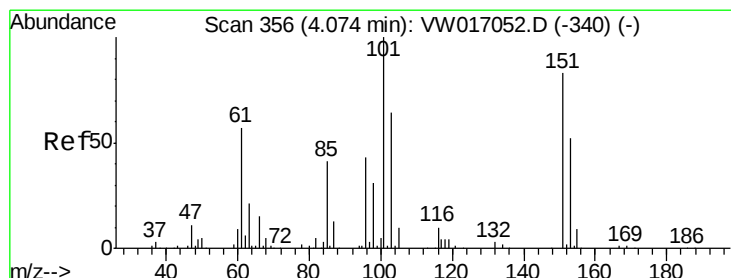
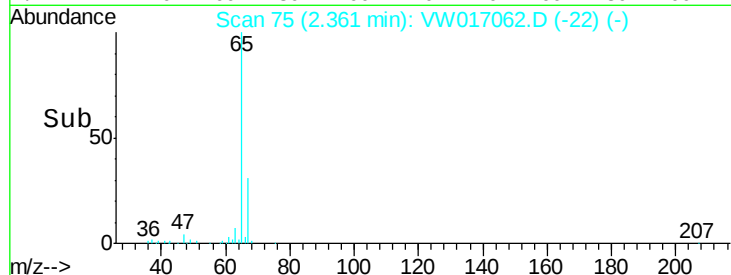
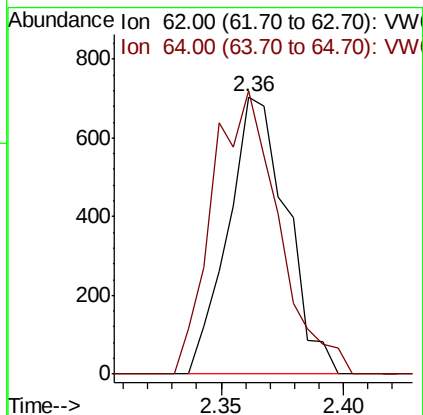
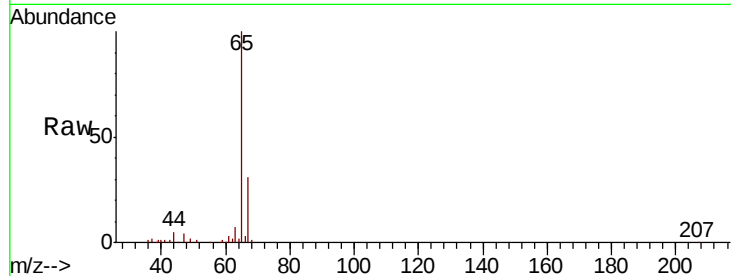
BG477

Tot Ion: 62 Resp: 1174

Ion Ratio Lower Upper

62 100

64 102.0 24.1 44.7#



#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.282 ug/L

RT: 4.01 min Scan# 346

Delta R.T. -0.06 min

Lab File: VW017062.D

Acq: 03 Nov 2020 16:20

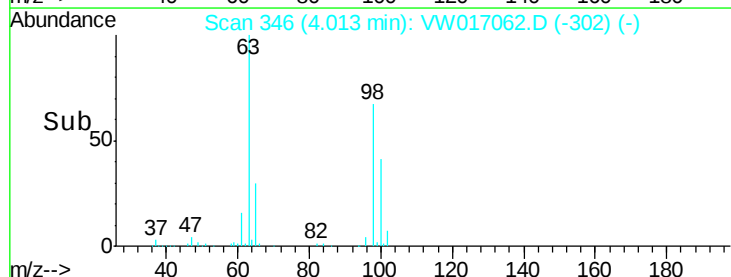
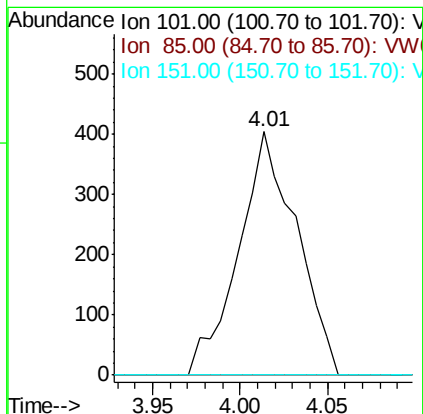
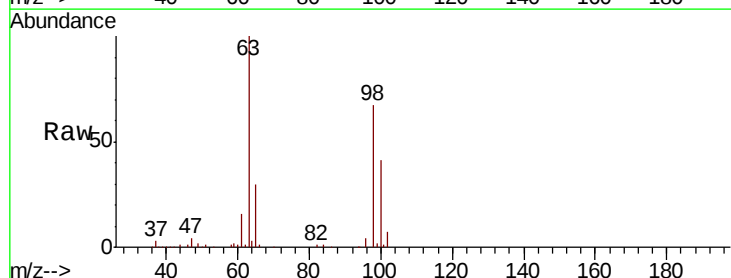
Tgt Ion: 101 Resp: 936

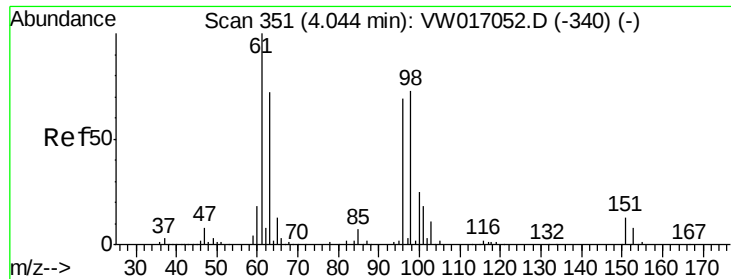
Ion Ratio Lower Upper

101 100

85 0.0 32.5 48.7#

151 0.0 65.7 98.5#





#12

1,1-Dichloroethene

Concen: 3.945 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW017062.D

Acq: 03 Nov 2020 16:20

Instrument :

MSVOA_W

ClientSampleId :

BG477

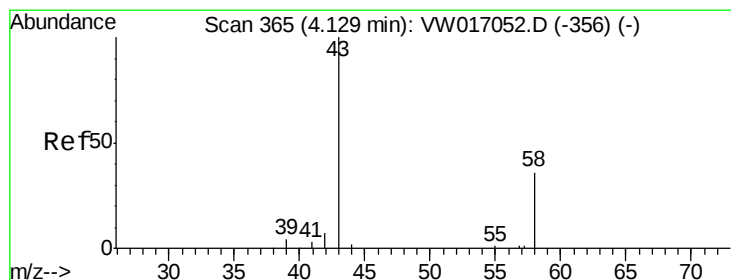
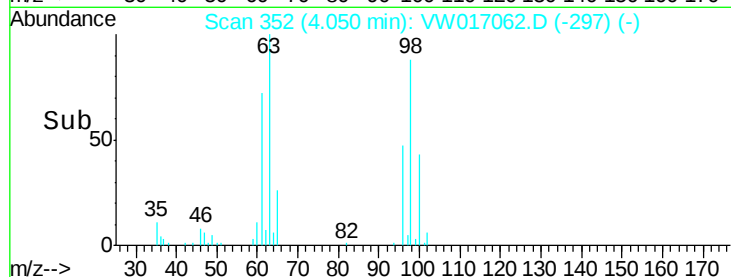
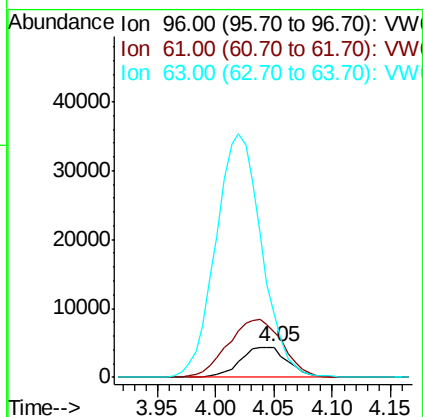
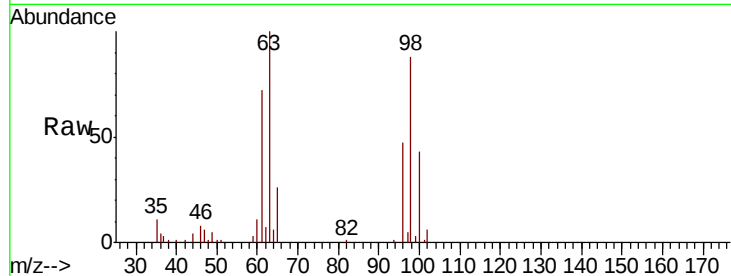
Tot Ion: 96 Resp: 12445

Ion Ratio Lower Upper

96 100

61 152.7 101.4 188.4

63 211.8 78.5 145.9#



#13

Acetone

Concen: 9.699 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW017062.D

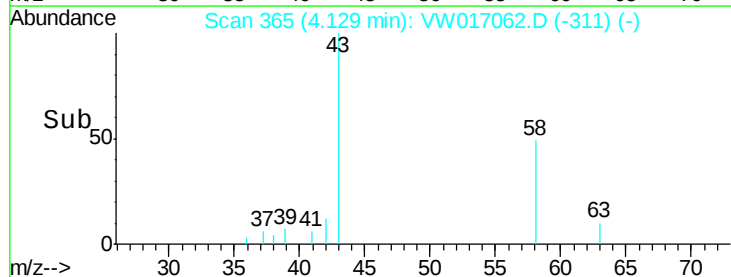
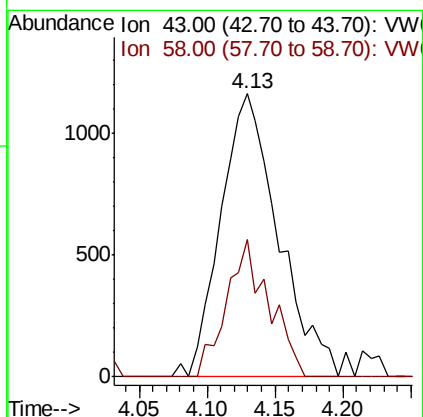
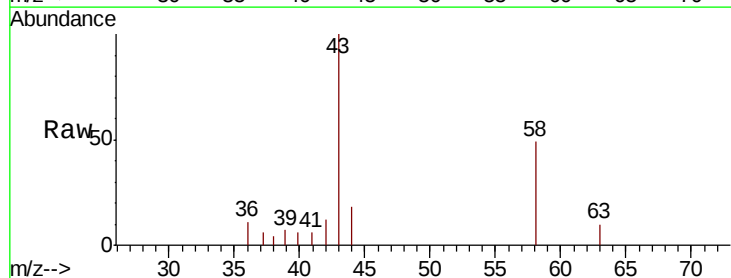
Acq: 03 Nov 2020 16:20

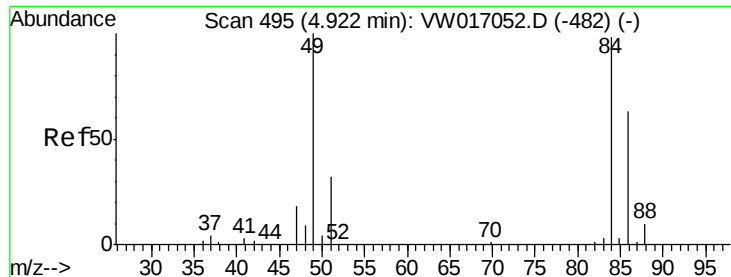
Tgt Ion: 43 Resp: 3419

Ion Ratio Lower Upper

43 100

58 36.1 0.0 69.8

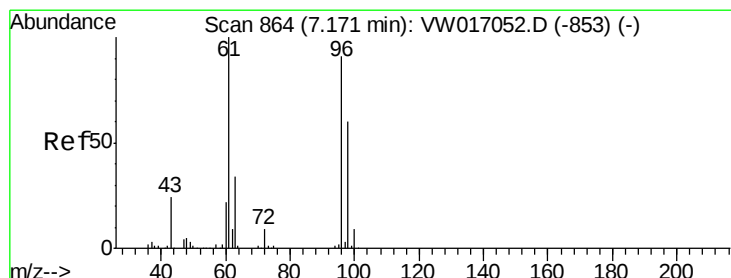
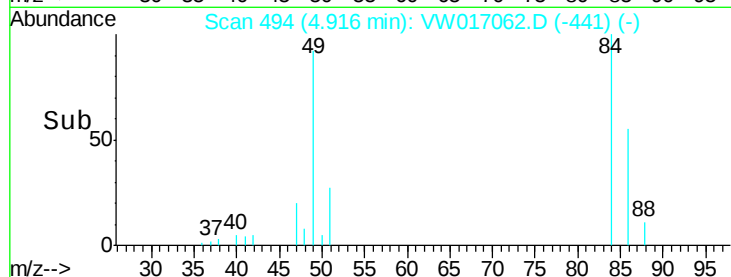
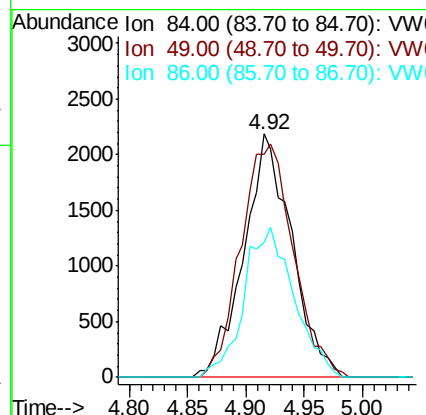
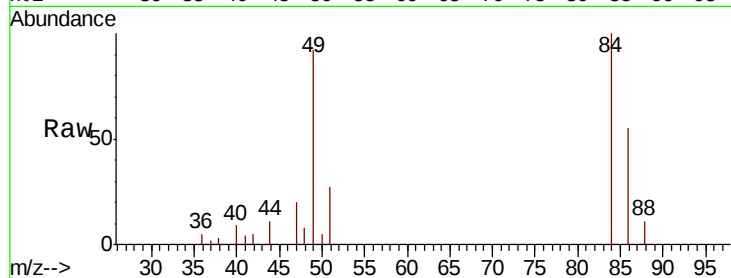




#16
Methvlene chloride
Concen: 1.967 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW017062.D
Acq: 03 Nov 2020 16:20

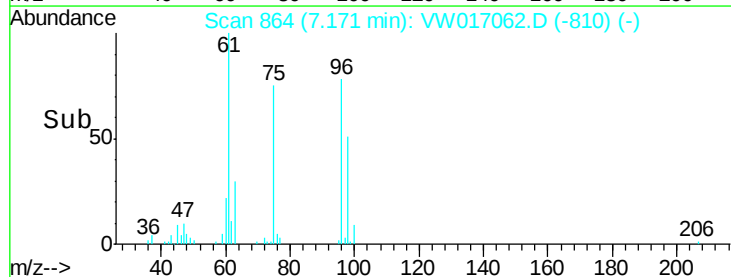
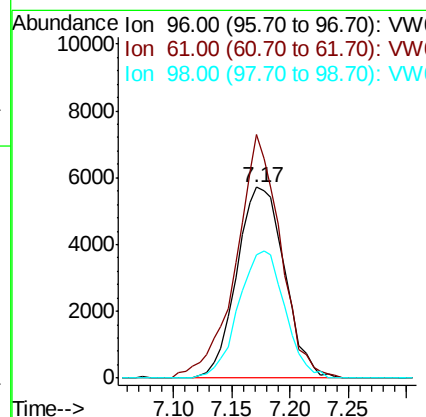
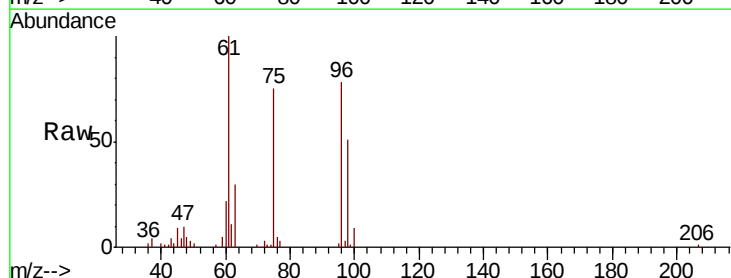
Instrument :
MSVOA_W
ClientSampled :
BG477

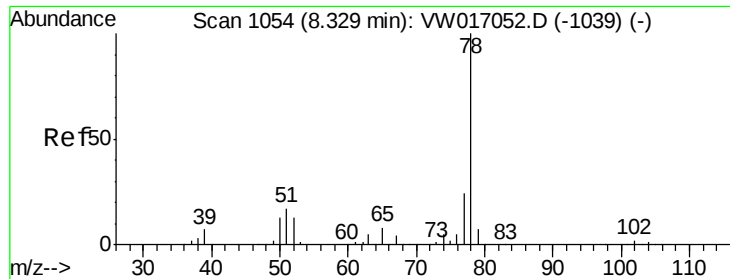
Tot Ion: 84 Resp: 6266
Ion Ratio Lower Upper
84 100
49 91.5 73.8 137.0
86 55.5 47.4 88.0



#22
cis-1,2-Dichloroethene
Concen: 4.901 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW017062.D
Acq: 03 Nov 2020 16:20

Tgt Ion: 96 Resp: 16348
Ion Ratio Lower Upper
96 100
61 127.6 77.4 143.8
98 64.8 44.4 82.5





#34

Benzene

Concen: 9.006 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW017062.D

Acq: 03 Nov 2020 16:20

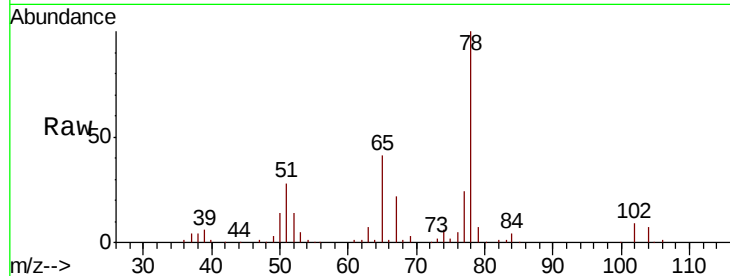
Instrument :

MSVOA_W

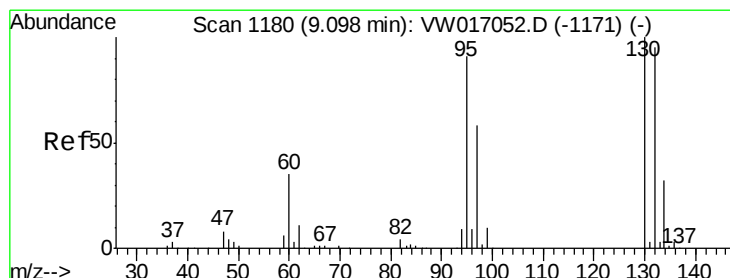
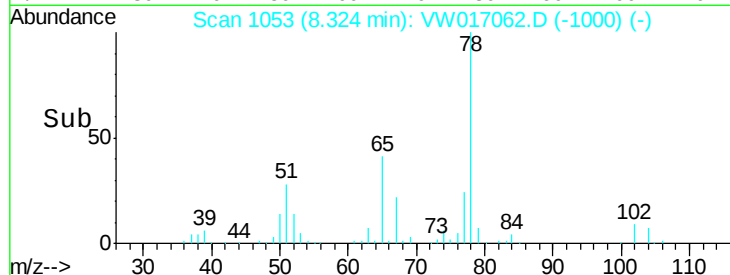
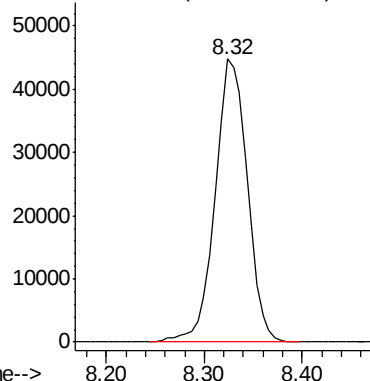
ClientSampleId :

BG477

Tgt Ion: 78 Resp: 102499



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 103.528 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW017062.D

Acq: 03 Nov 2020 16:20

Tgt Ion: 95 Resp: 326326

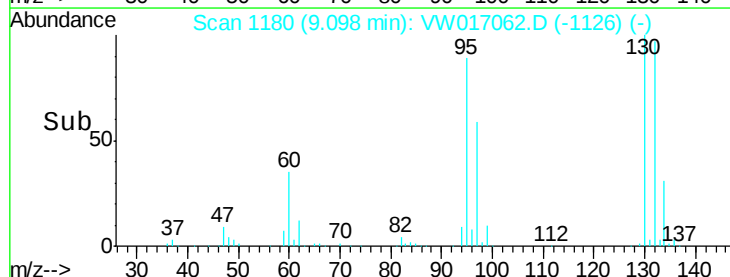
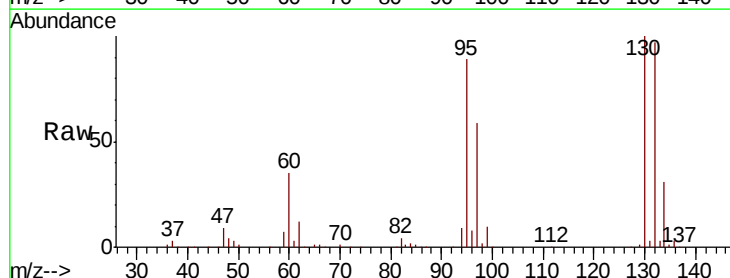
Ion	Ratio	Lower	Upper
95	100		
97	65.0	46.0	85.4
132	105.2	73.9	137.3
130	110.8	77.6	144.2

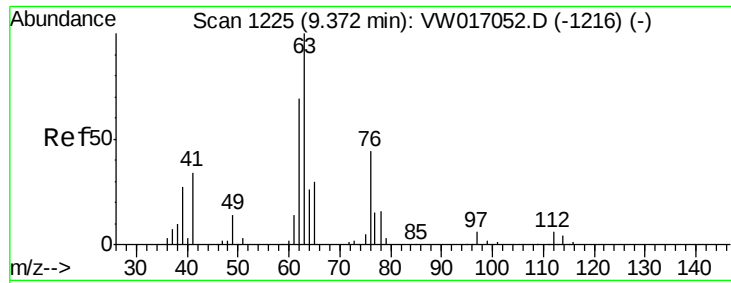
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW

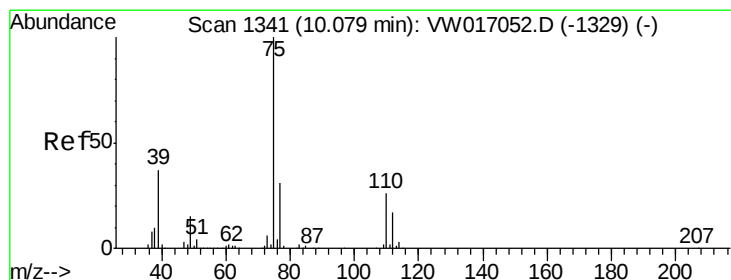
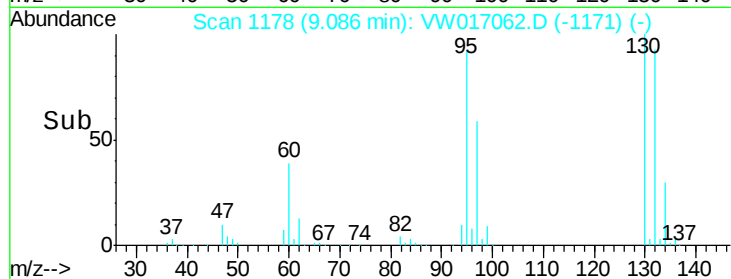
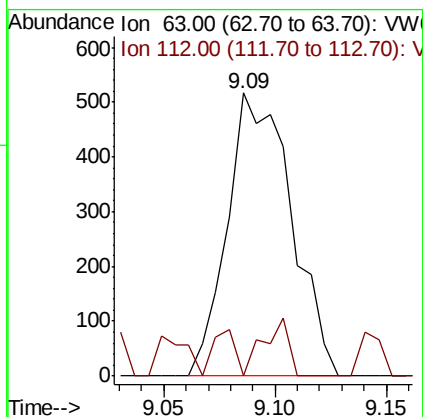
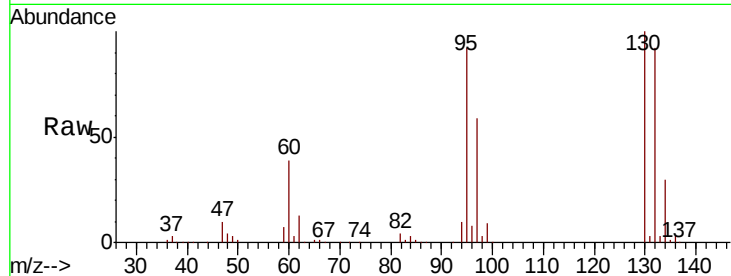




#40
 1,2-Dichloropropane
 Concen: 0.406 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.29 min
 Lab File: VW017062.D
 Acq: 03 Nov 2020 16:20

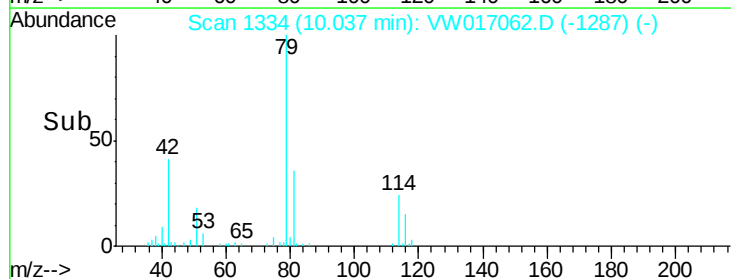
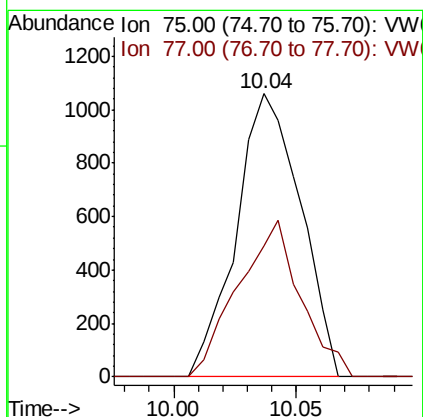
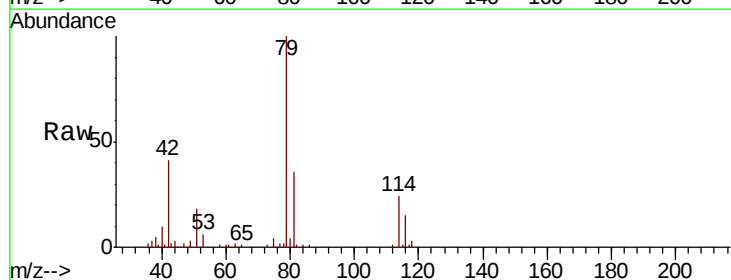
Instrument :
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 ClientSampleId :
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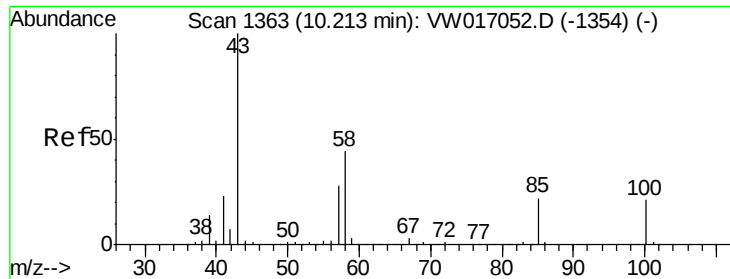
Tot Ion: 63 Resp: 1032
 Ion Ratio Lower Upper
 63 100
 112 5.4 4.5 6.7



#42
 cis-1,3-Dichloropropene
 Concen: 0.490 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW017062.D
 Acq: 03 Nov 2020 16:20

Tgt Ion: 75 Resp: 1948
 Ion Ratio Lower Upper
 75 100
 77 46.2 22.7 42.1#

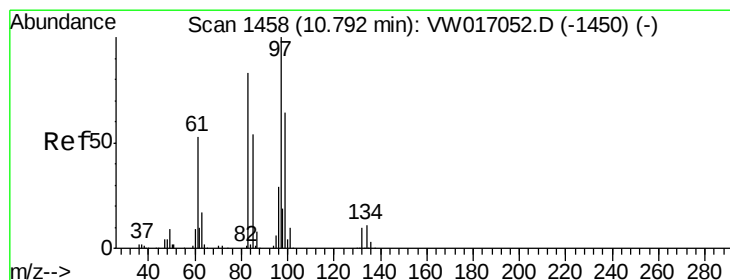
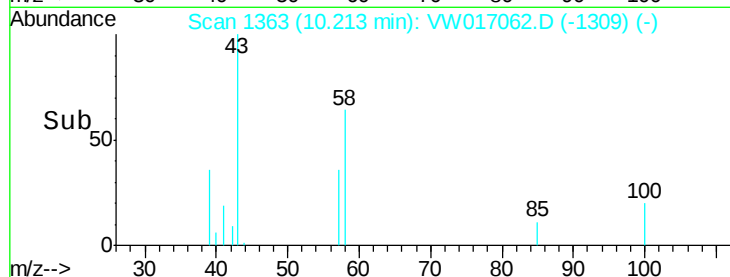
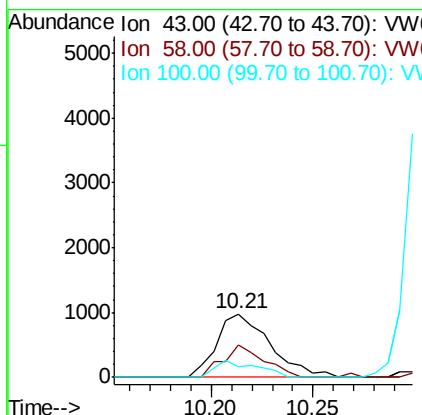
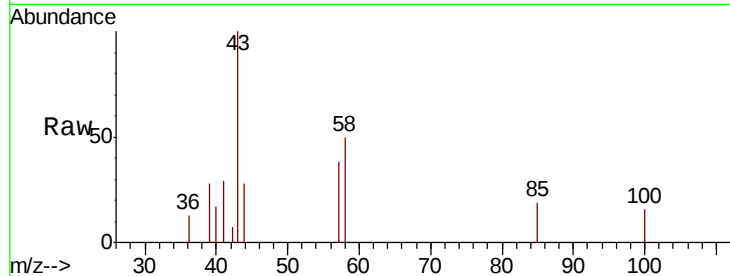




#43
4-Methyl-2-pentanone
Concen: 1.474 ug/L
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW017062.D
Acq: 03 Nov 2020 16:20

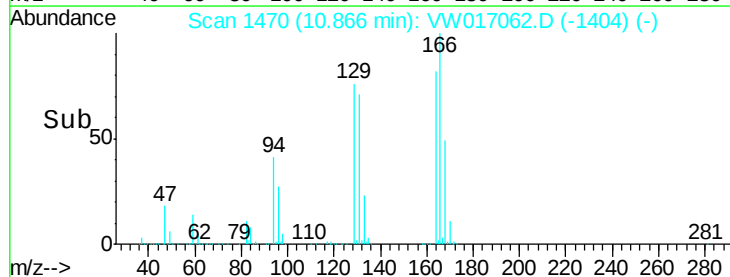
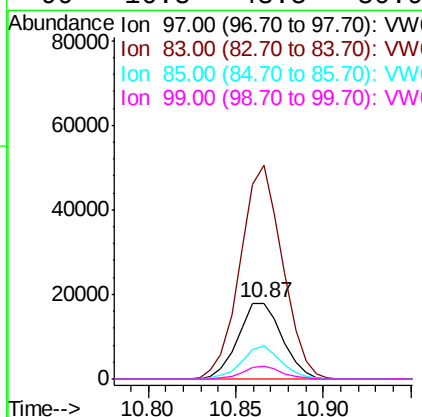
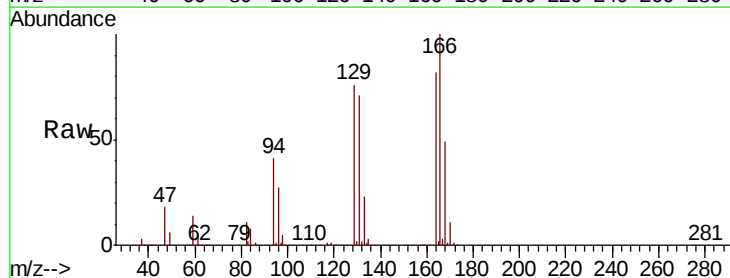
Instrument :
MSVOA_W
ClientSampled :
BG477

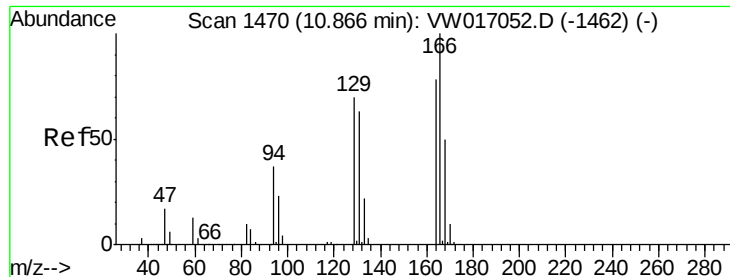
Tot Ion: 43 Resp: 1776
Ion Ratio Lower Upper
43 100
58 39.1 34.4 51.6
100 11.5 16.2 24.2#



#46
1,1,2-Trichloroethane
Concen: 15.432 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.07 min
Lab File: VW017062.D
Acq: 03 Nov 2020 16:20

Tgt Ion: 97 Resp: 31396
Ion Ratio Lower Upper
97 100
83 280.5 56.6 105.0#
85 44.1 34.6 64.3
99 16.8 43.5 80.9#





#47

Tetrachloroethene

Concen: 1399.197 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW017062.D

Acq: 03 Nov 2020 16:20

Instrument :

MSVOA_W

ClientSampleId :

BG477

Tot Ion:164 Resp: 4056930

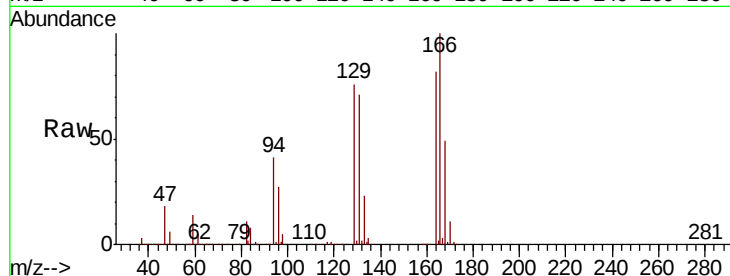
Ion Ratio Lower Upper

164 100

129 91.9 64.0 119.0

131 85.9 61.7 114.5

166 121.2 94.6 175.8

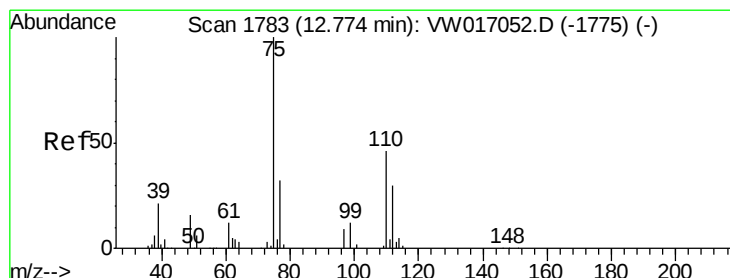
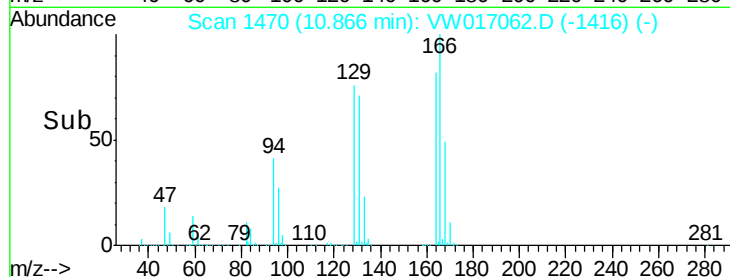
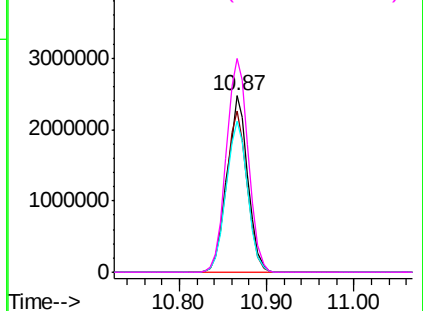


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#59

1,2,3-Trichloropropane

Concen: 5.032 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017062.D

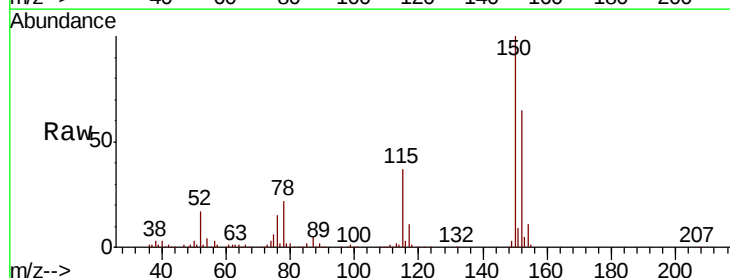
Acq: 03 Nov 2020 16:20

Tgt Ion: 75 Resp: 7863

Ion Ratio Lower Upper

75 100

77 36.1 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

