

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082720\
 Data File : VW016386.D
 Acq On : 27 Aug 2020 12:44
 Operator : SY/VA
 Sample : L3800-07RE
 Misc : 6.55G/10ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3J0

Quant Time: Aug 28 08:10:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 28 08:08:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	317803	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	297849	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	143301	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	50673	14.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	59.72%
7) Chloroethane-d5	2.89	69	45643	17.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.88%
10) 1,1-Dichloroethene-d2	4.02	63	106268	13.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	52.72%
20) 2-Butanone-d5	7.09	46	29850	30.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	61.86%
24) Chloroform-d	7.65	84	167995	20.28	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	81.12%
26) 1,2-Dichloroethane-d4	8.31	65	81466	19.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	76.32%
29) Benzene-d6	8.27	84	320090	19.25	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	77.00%
33) 1,2-Dichloropropane-d6	9.27	67	90563	19.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	78.72%
37) Toluene-d8	10.33	98	297850	18.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	75.96%
38) trans-1,3-Dichloropropene-	10.58	79	38403	17.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	69.16%
39) 2-Hexanone-d5	10.93	63	27789	37.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.40%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	69042	18.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	72.12%
61) 1,2-Dichlorobenzene-d4	13.86	152	106253	19.34	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	77.36%

Target Compounds

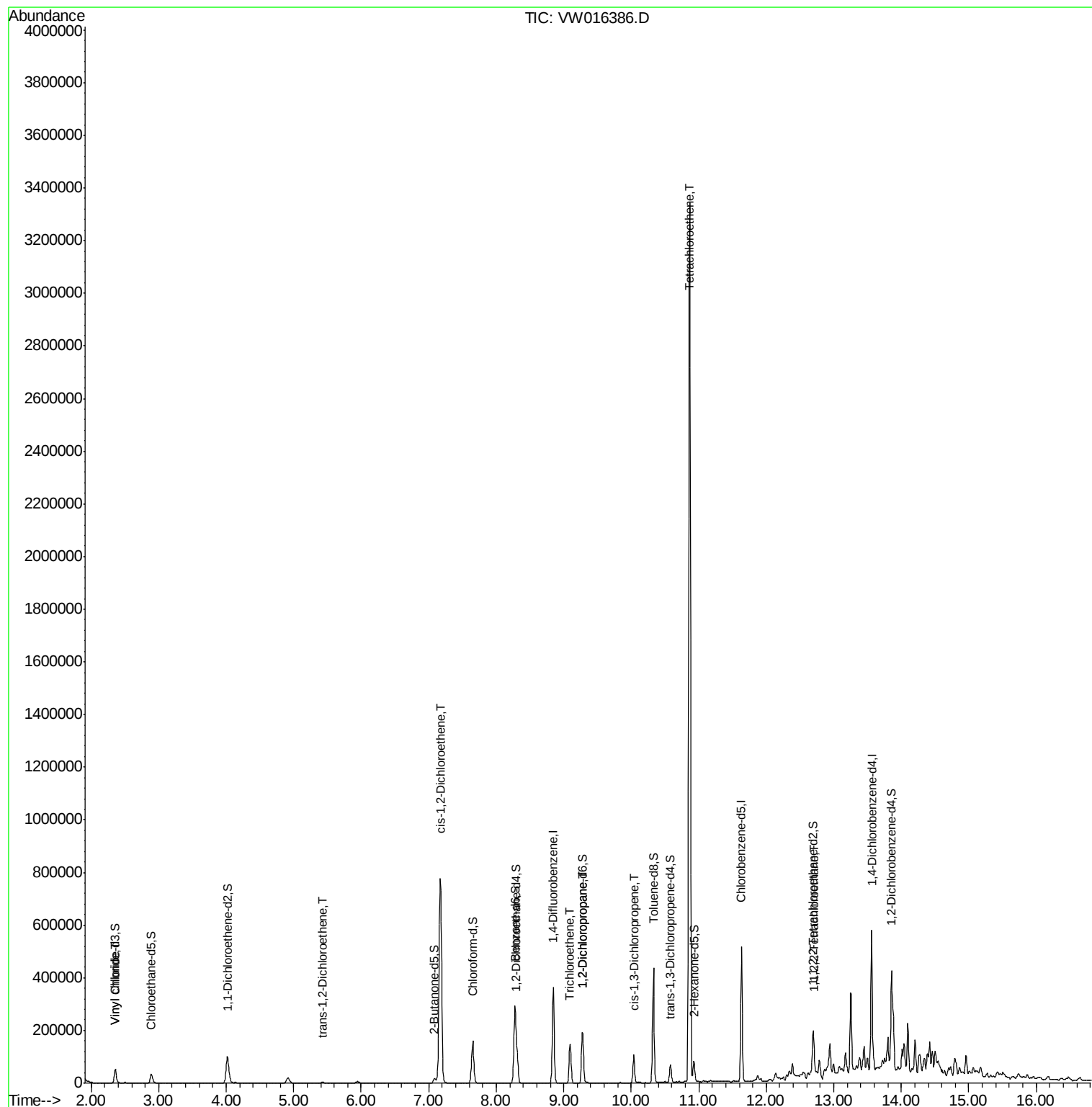
					Ovalue
5) Vinyl chloride	2.36	62	16654	4.485	ug/L 90
18) trans-1,2-Dichloroethene	5.43	96	2279	0.514	ug/L 83
22) cis-1,2-Dichloroethene	7.17	96	499144	107.090	ug/L 99
35) Trichloroethene	9.09	95	53292	11.017	ug/L 99
40) 1,2-Dichloropropane	9.27	63	10549	2.626	ug/L # 85
42) cis-1,3-Dichloropropene	10.04	75	2625	0.399	ug/L # 61
47) Tetrachloroethene	10.87	164	753876	197.634	ug/L 98
58) 1,1,2,2-Tetrachloroethane	12.71	83	3015	0.779	ug/L # 56

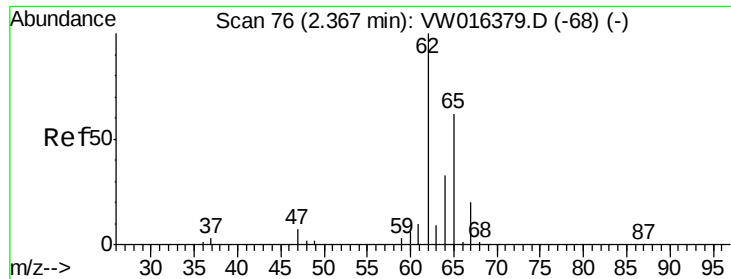
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 28 08:08:30 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 4.485 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW016386.D

Acq: 27 Aug 2020 12:44

Instrument :

MSVOA_W

ClientSampled :

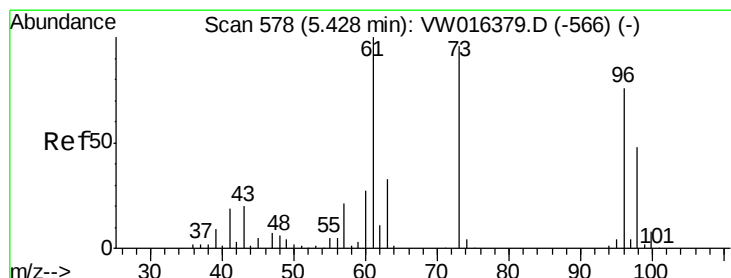
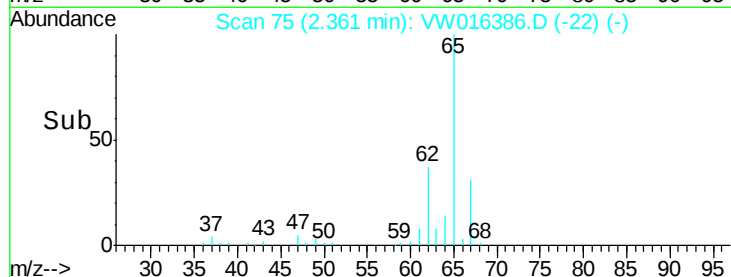
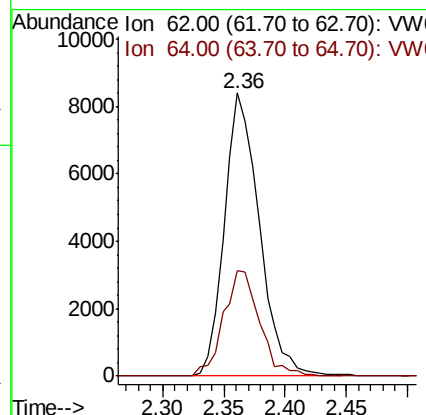
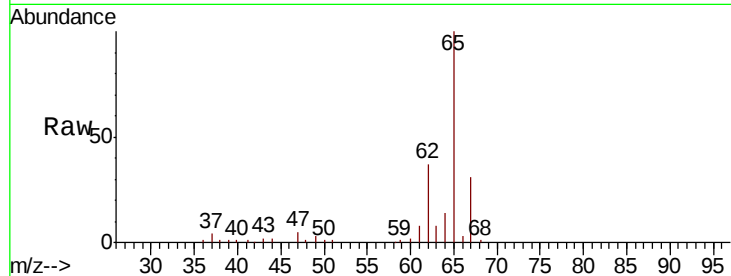
BG3J0

Tot Ion: 62 Resp: 16654

Ion Ratio Lower Upper

62 100

64 37.2 22.0 41.0



#18

trans-1,2-Dichloroethene

Concen: 0.514 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW016386.D

Acq: 27 Aug 2020 12:44

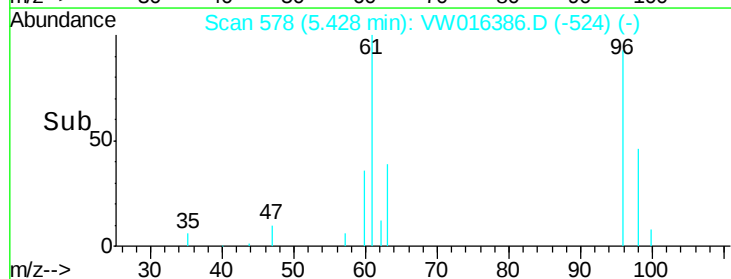
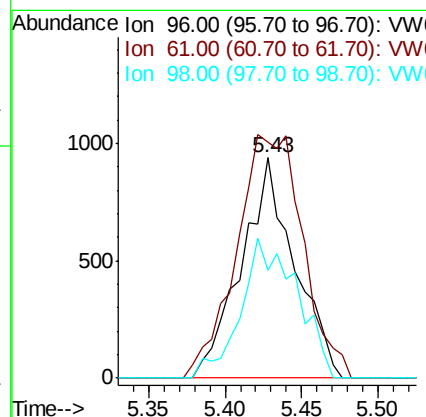
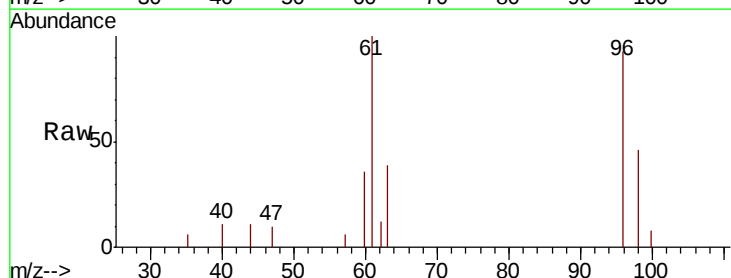
Tgt Ion: 96 Resp: 2279

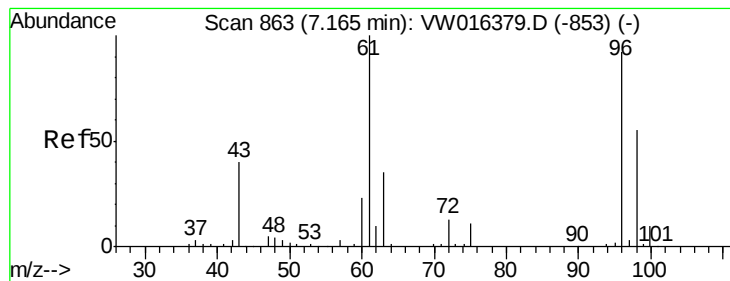
Ion Ratio Lower Upper

96 100

61 107.4 89.9 167.0

98 48.9 41.6 77.2



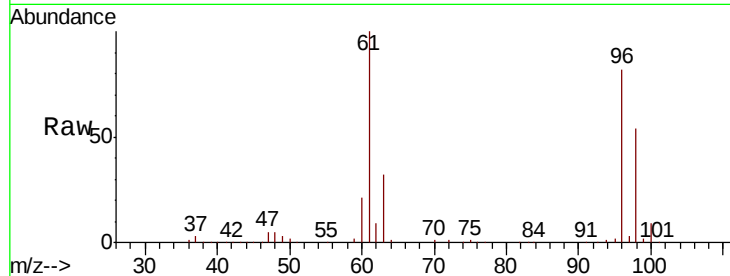


#22

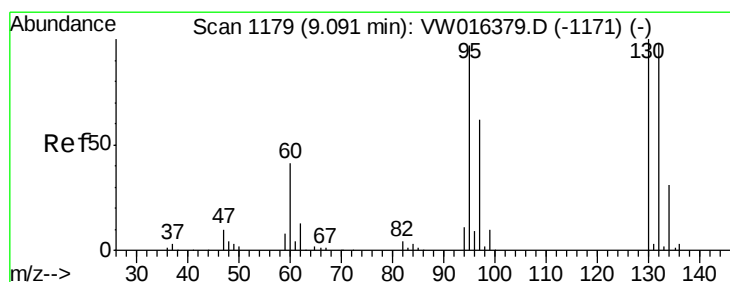
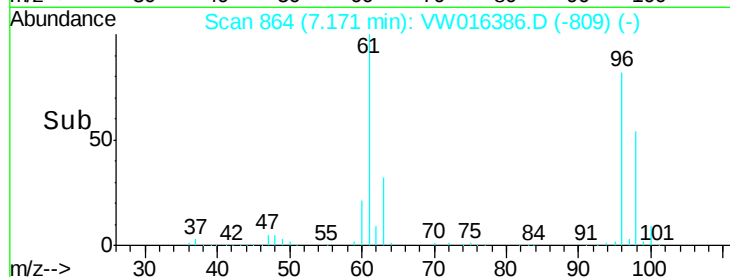
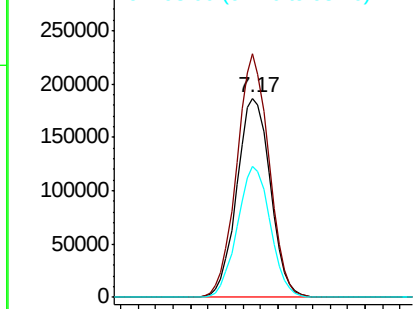
cis-1,2-Dichloroethene
Concen: 107.090 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW016386.D
Acq: 27 Aug 2020 12:44

Instrument :
MSVOA_W
ClientSampleId :
BG3J0

Tot Ion: 96 Resp: 499144
Ion Ratio Lower Upper
96 100
61 122.2 84.9 157.7
98 66.0 46.8 86.8



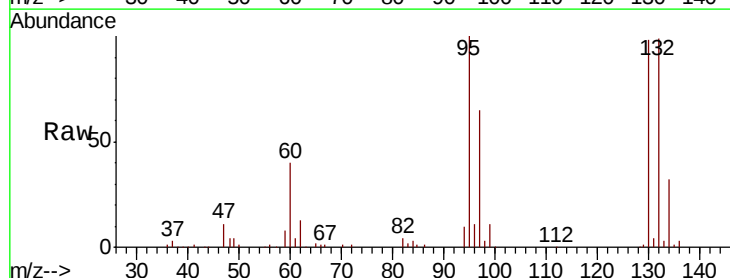
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



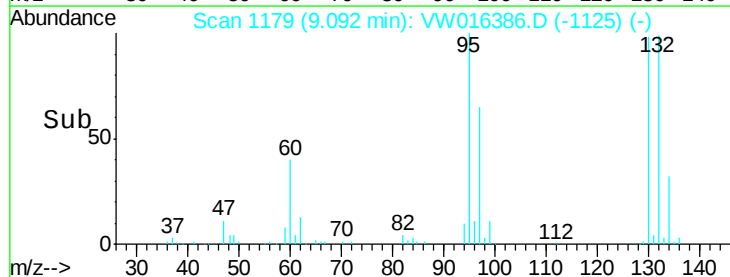
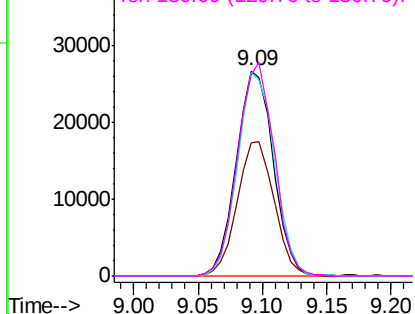
#35

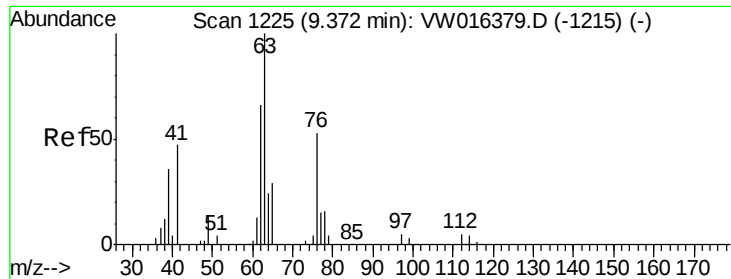
Trichloroethene
Concen: 11.017 ug/L
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW016386.D
Acq: 27 Aug 2020 12:44

Tgt Ion: 95 Resp: 53292
Ion Ratio Lower Upper
95 100
97 65.1 44.9 83.5
132 99.4 68.2 126.6
130 102.2 71.5 132.9



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): V
Ion 130.00 (129.70 to 130.70): V





#40

1,2-Dichloropropane

Concen: 2.626 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.10 min

Lab File: VW016386.D

Acq: 27 Aug 2020 12:44

Instrument :

MSVOA_W

ClientSampleId :

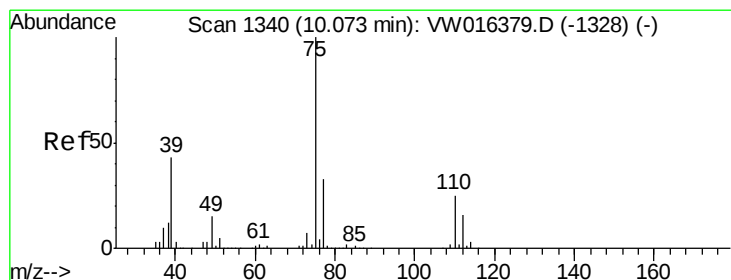
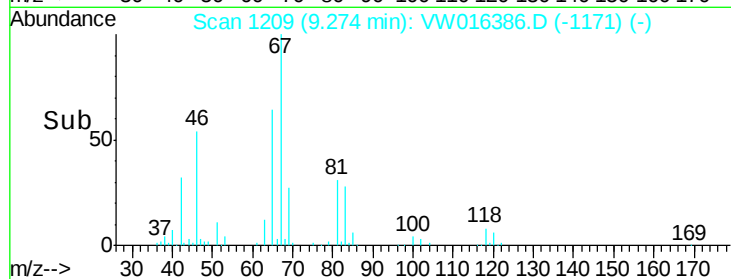
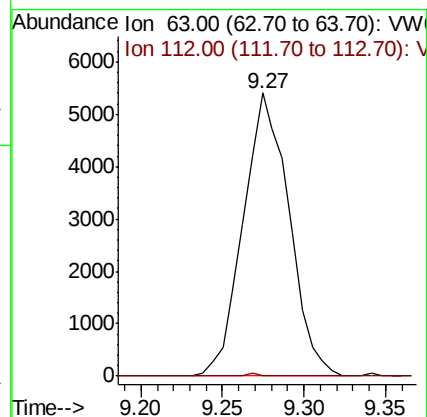
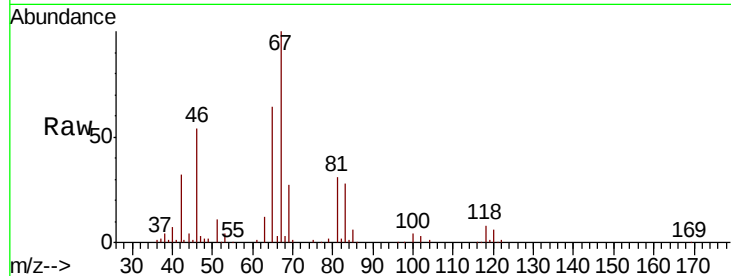
BG3J0

Tot Ion: 63 Resp: 10549

Ion Ratio Lower Upper

63 100

112 0.4 4.4 6.6#



#42

cis-1,3-Dichloropropene

Concen: 0.399 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW016386.D

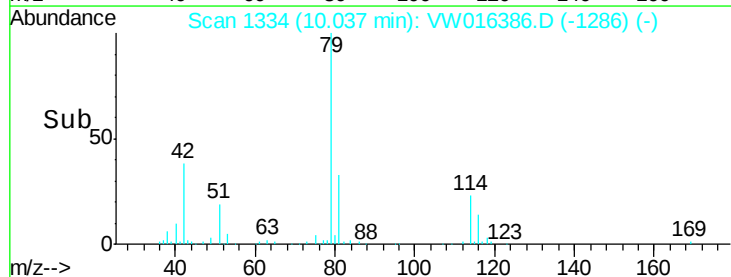
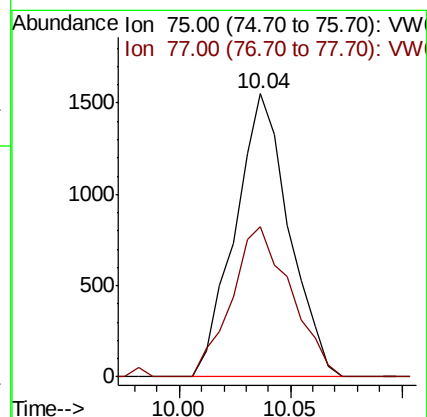
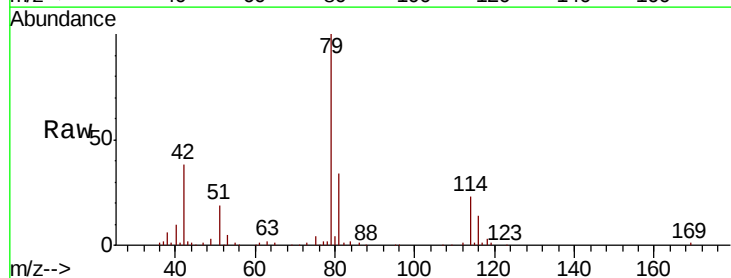
Acq: 27 Aug 2020 12:44

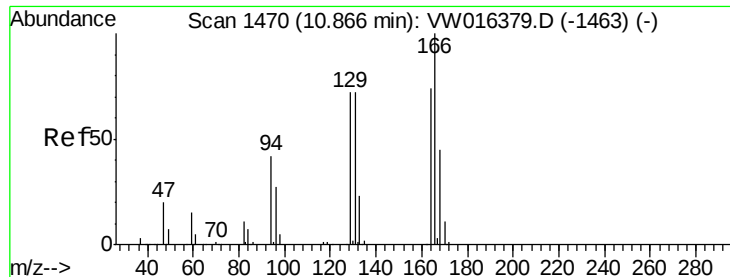
Tgt Ion: 75 Resp: 2625

Ion Ratio Lower Upper

75 100

77 53.1 22.0 40.8#





#47

Tetrachloroethene

Concen: 197.634 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016386.D

Acq: 27 Aug 2020 12:44

Instrument :

MSVOA_W

ClientSampleId :

BG3J0

Tot Ion:164 Resp: 753876

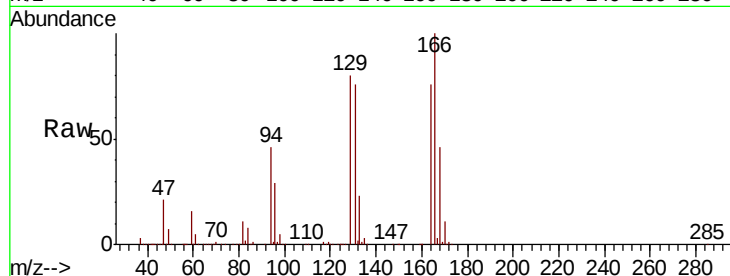
Ion Ratio Lower Upper

164 100

129 105.4 71.5 132.7

131 100.7 67.4 125.2

166 132.1 92.5 171.9

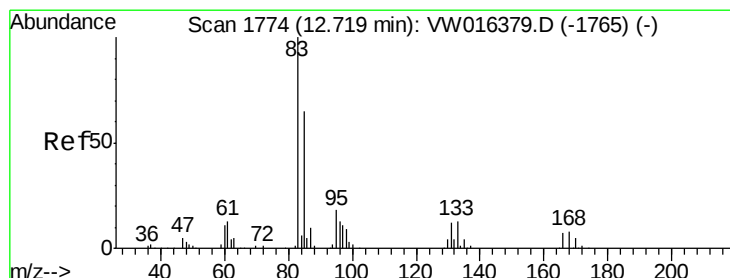
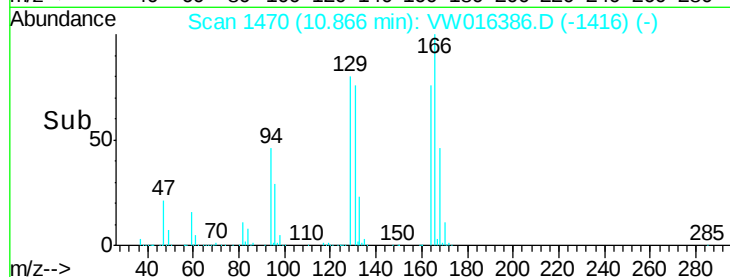
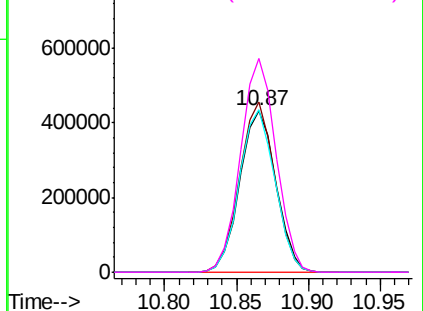


Abundance Ion 164.00 (163.70 to 164.70): V

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



#58

1,1,2,2-Tetrachloroethane

Concen: 0.779 ug/L

RT: 12.71 min Scan# 1772

Delta R.T. -0.01 min

Lab File: VW016386.D

Acq: 27 Aug 2020 12:44

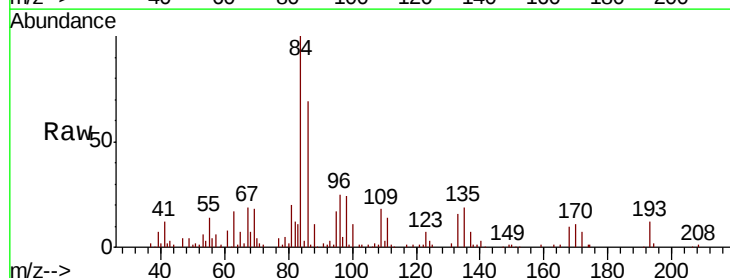
Tgt Ion: 83 Resp: 3015

Ion Ratio Lower Upper

83 100

85 27.6 46.0 85.4#

131 18.5 8.8 13.2#



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

