

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082620\
 Data File : VW016376.D
 Acq On : 26 Aug 2020 18:44
 Operator : SY/VA
 Sample : L3800-06
 Misc : 6.82G/10ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3H6

Quant Time: Aug 27 02:45:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 27 02:40:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	276881	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	230191	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	79777	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	42436	14.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	57.40%
7) Chloroethane-d5	2.90	69	38744	17.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.08%
10) 1,1-Dichloroethene-d2	4.02	63	85772	12.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	48.84%
20) 2-Butanone-d5	7.08	46	33145	39.42	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.84%
24) Chloroform-d	7.65	84	145807	20.20	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	80.80%
26) 1,2-Dichloroethane-d4	8.30	65	76001	20.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	81.72%
29) Benzene-d6	8.28	84	263466	20.50	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	82.00%
33) 1,2-Dichloropropane-d6	9.28	67	77166	21.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.80%
37) Toluene-d8	10.33	98	228613	18.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	75.44%
38) trans-1,3-Dichloropropene-	10.58	79	33026	19.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	76.96%
39) 2-Hexanone-d5	10.93	63	29410	51.62	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.24%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	63072	21.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	85.24%
61) 1,2-Dichlorobenzene-d4	13.86	152	61587	20.13	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	80.52%

Target Compounds

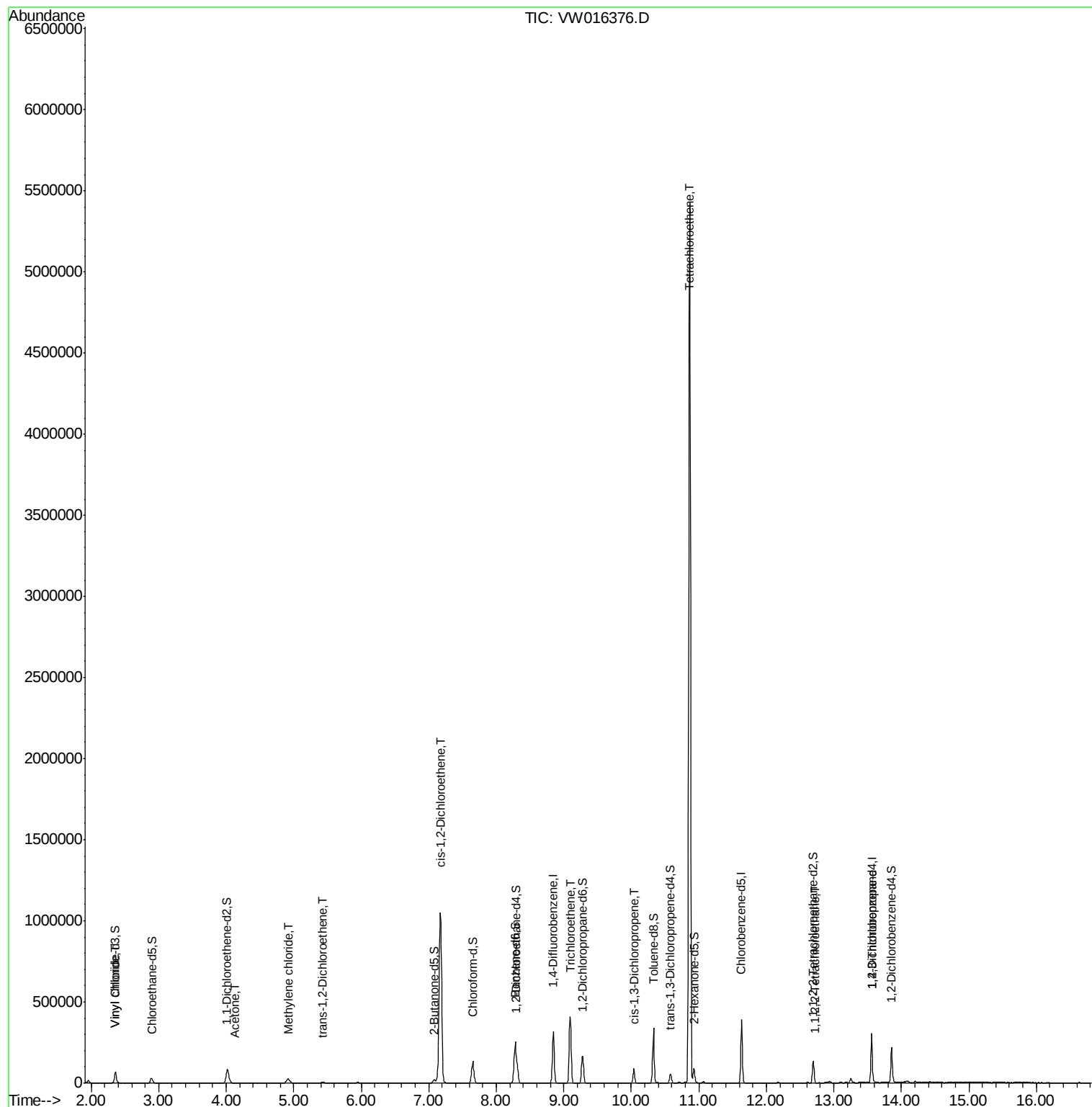
					Ovalue
5) Vinyl chloride	2.36	62	35830	11.075	ug/L 94
13) Acetone	4.12	43	3768	5.400	ug/L 96
16) Methylene chloride	4.92	84	24036	4.696	ug/L 94
18) trans-1,2-Dichloroethene	5.43	96	4343	1.125	ug/L 97
22) cis-1,2-Dichloroethene	7.17	96	670241	165.051	ug/L 97
35) Trichloroethene	9.09	95	147428	39.436	ug/L 98
42) cis-1,3-Dichloropropene	10.04	75	2320	0.456	ug/L # 76
47) Tetrachloroethene	10.87	164	1222209	414.587	ug/L 98
58) 1,1,2,2-Tetrachloroethane	12.72	83	1772	0.593	ug/L # 87
59) 1,2,3-Trichloropropane	13.56	75	8867	4.003	ug/L 90

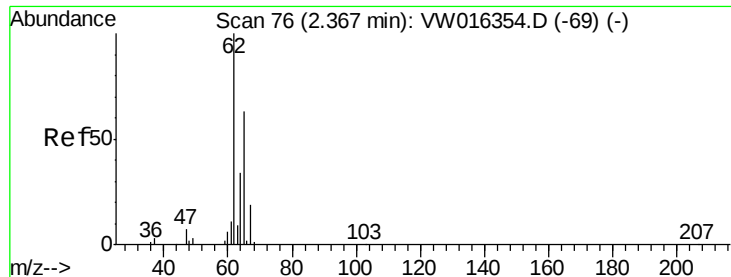
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Aug 27 02:40:32 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 11.075 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW016376.D

Acq: 26 Aug 2020 18:44

Instrument :

MSVOA_W

ClientSampled :

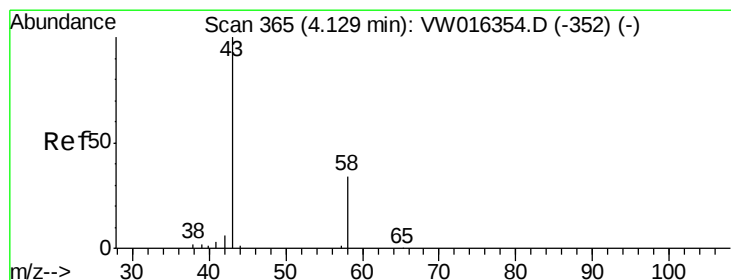
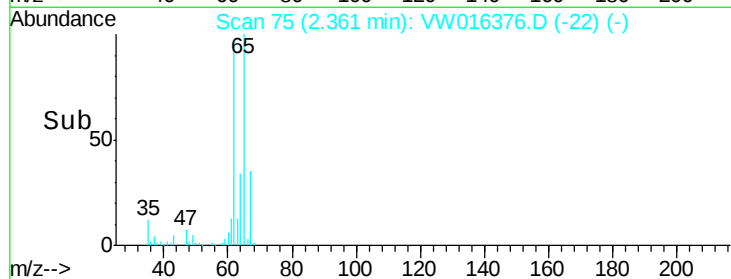
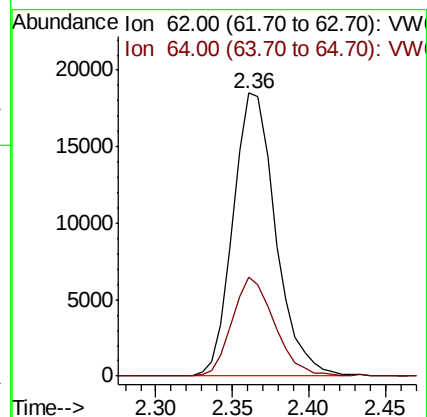
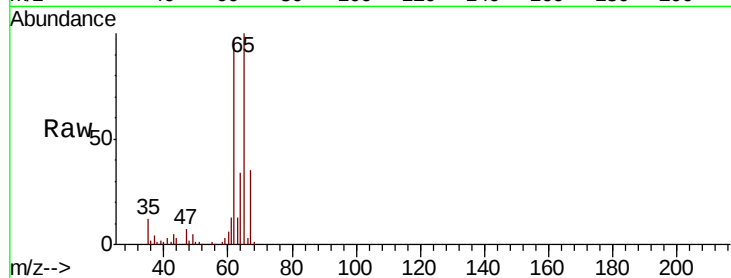
BG3H6

Tot Ion: 62 Resp: 35830

Ion Ratio Lower Upper

62 100

64 34.9 22.0 41.0



#13

Acetone

Concen: 5.400 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW016376.D

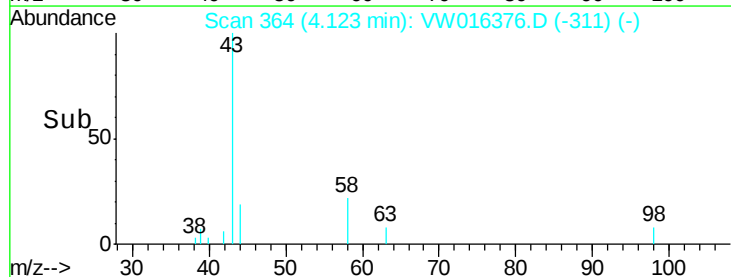
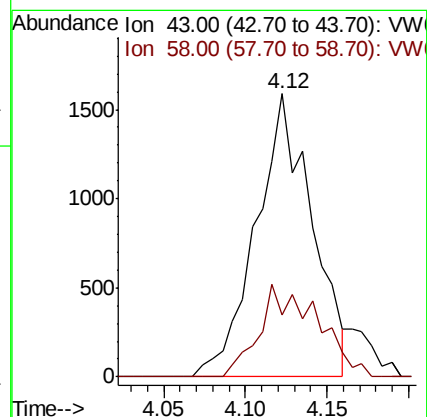
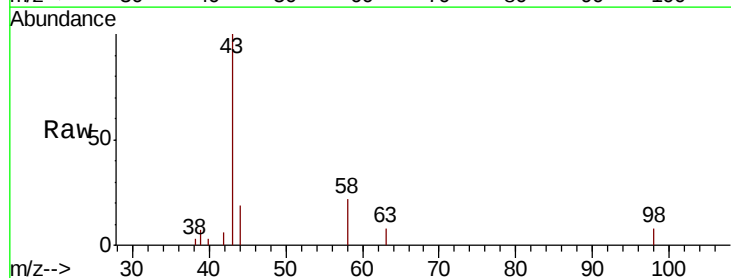
Acq: 26 Aug 2020 18:44

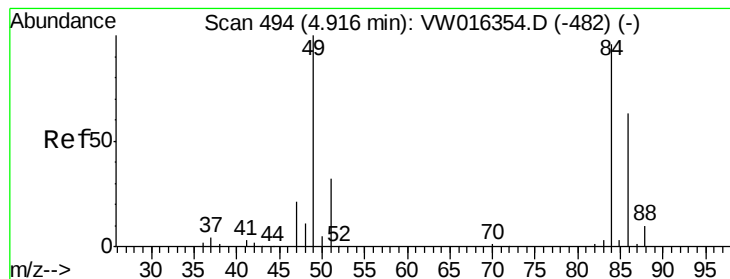
Tgt Ion: 43 Resp: 3768

Ion Ratio Lower Upper

43 100

58 34.1 0.0 63.8





#16

Methylene chloride

Concen: 4.696 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW016376.D

Acq: 26 Aug 2020 18:44

Instrument :

MSVOA_W

ClientSampled :

BG3H6

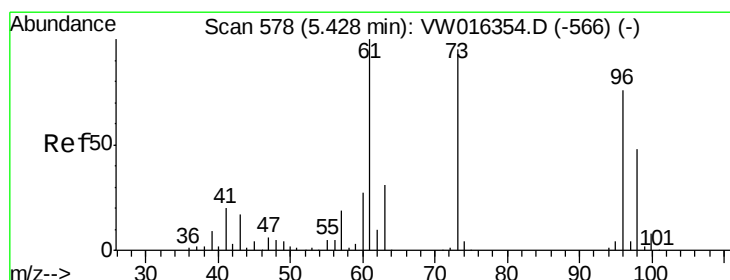
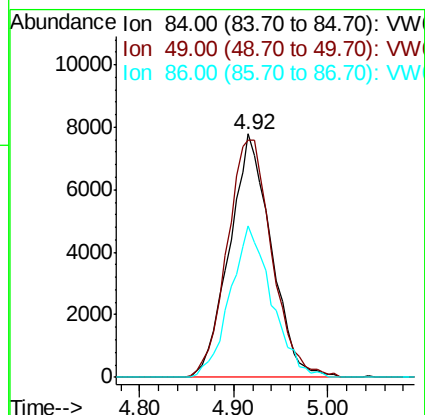
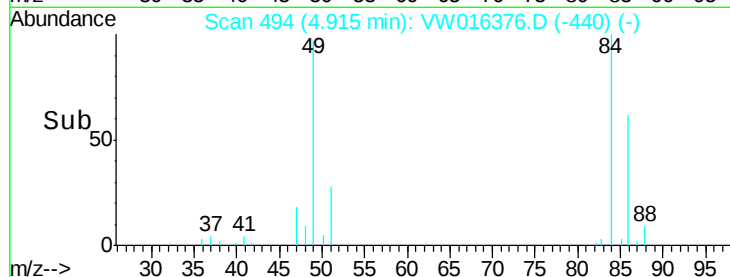
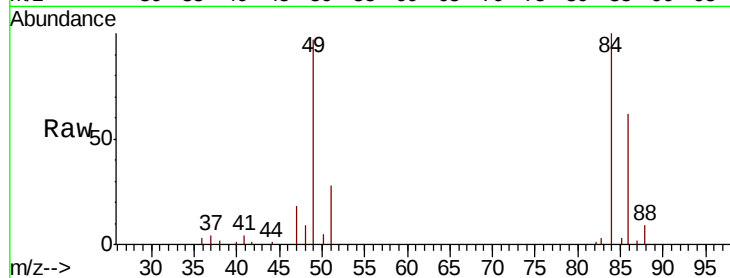
Tot Ion: 84 Resp: 24036

Ion Ratio Lower Upper

84 100

49 97.4 75.3 139.9

86 62.1 43.3 80.3



#18

trans-1,2-Dichloroethene

Concen: 1.125 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW016376.D

Acq: 26 Aug 2020 18:44

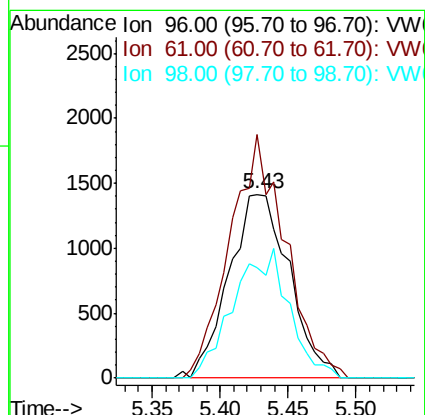
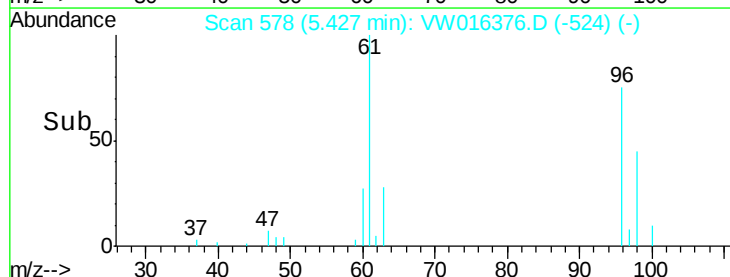
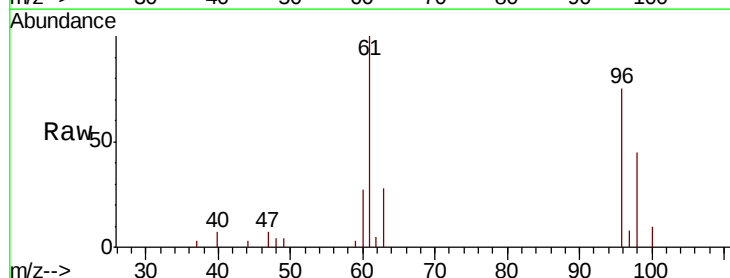
Tgt Ion: 96 Resp: 4343

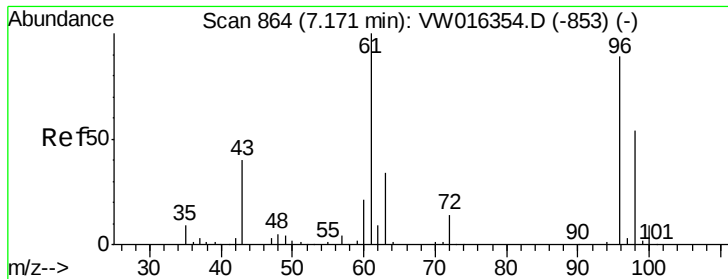
Ion Ratio Lower Upper

96 100

61 132.7 89.9 167.0

98 60.2 41.6 77.2



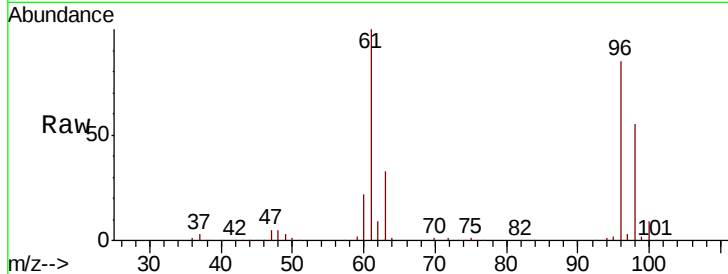


#22

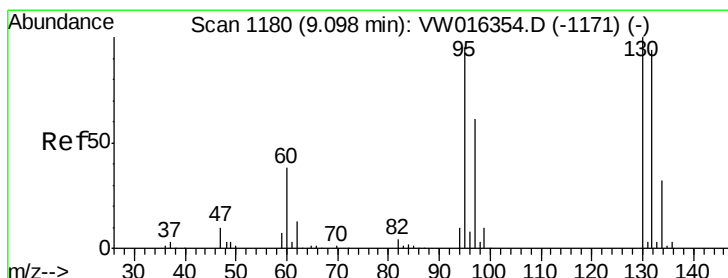
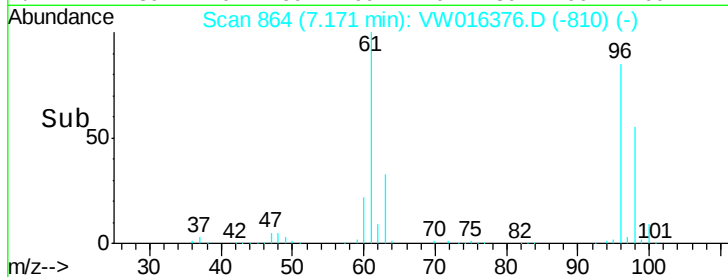
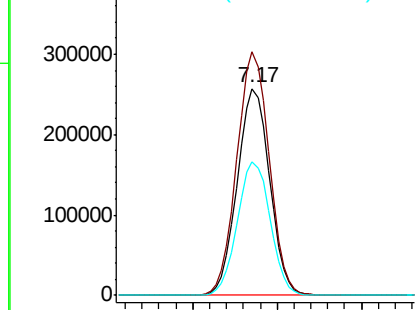
cis-1,2-Dichloroethene
Concen: 165.051 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW016376.D
Acq: 26 Aug 2020 18:44

Instrument :
MSVOA_W
ClientSampleId :
BG3H6

Tot Ion: 96 Resp: 670241
Ion Ratio Lower Upper
96 100
61 117.7 84.9 157.7
98 64.5 46.8 86.8



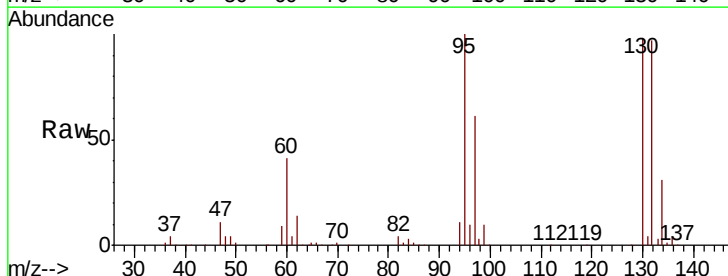
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



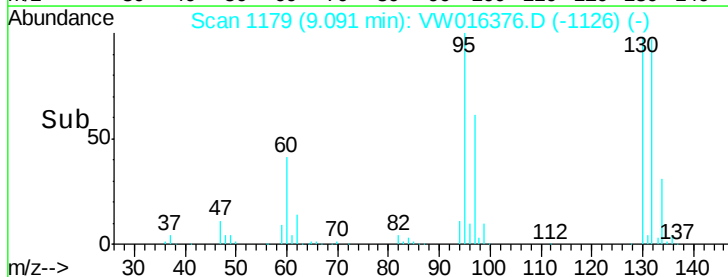
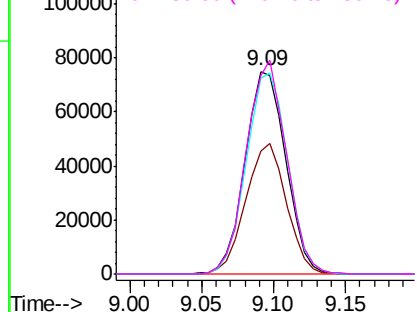
#35

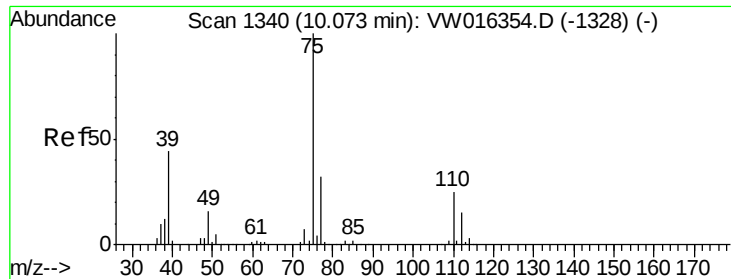
Trichloroethene
Concen: 39.436 ug/L
RT: 9.09 min Scan# 1179
Delta R.T. -0.01 min
Lab File: VW016376.D
Acq: 26 Aug 2020 18:44

Tgt Ion: 95 Resp: 147428
Ion Ratio Lower Upper
95 100
97 64.3 44.9 83.5
132 100.2 68.2 126.6
130 103.5 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





#42

cis-1,3-Dichloropropene

Concen: 0.456 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW016376.D

Acq: 26 Aug 2020 18:44

Instrument :

MSVOA_W

ClientSampleId :

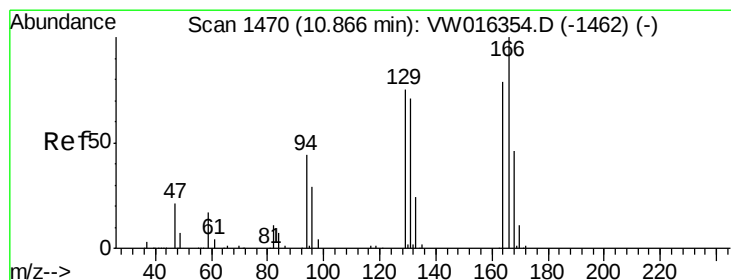
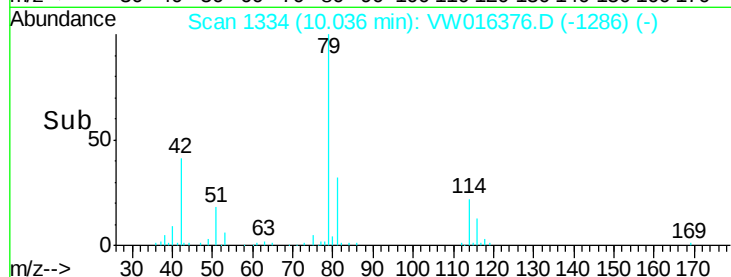
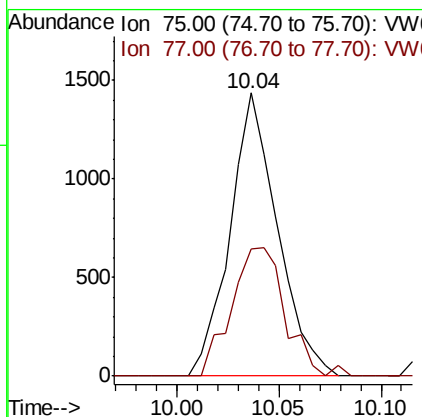
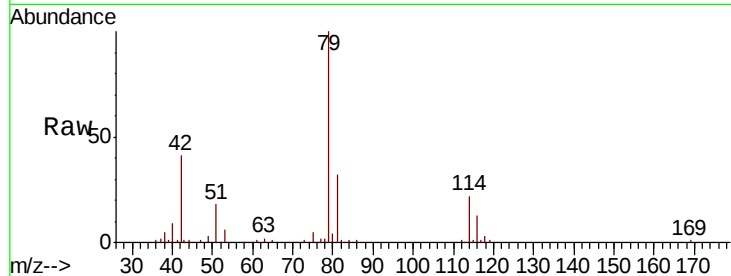
BG3H6

Tot Ion: 75 Resp: 2320

Ion Ratio Lower Upper

75 100

77 44.8 22.0 40.8#



#47

Tetrachloroethene

Concen: 414.587 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016376.D

Acq: 26 Aug 2020 18:44

Tgt Ion:164 Resp: 1222209

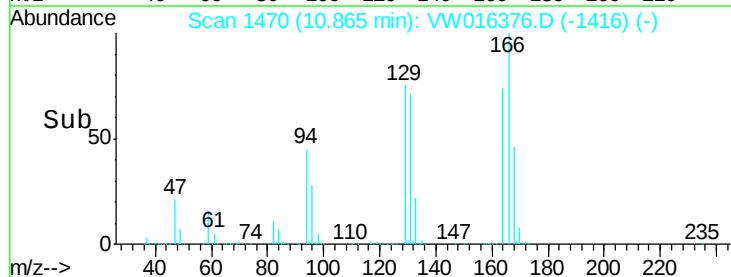
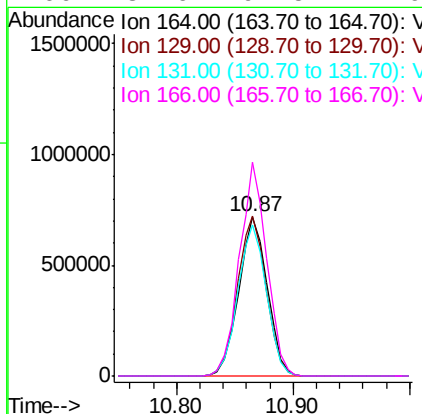
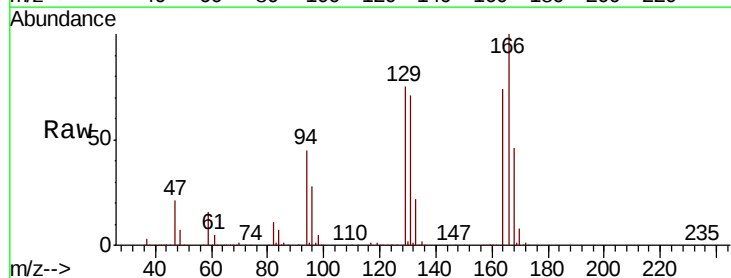
Ion Ratio Lower Upper

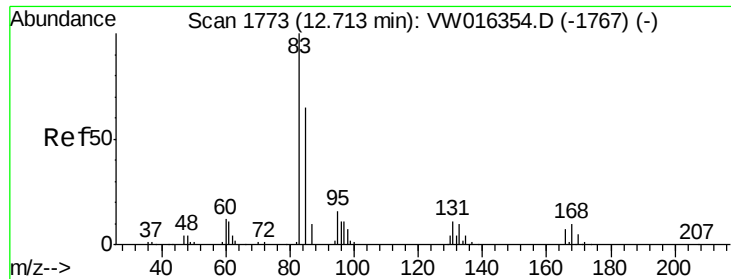
164 100

129 100.8 71.5 132.7

131 95.2 67.4 125.2

166 134.6 92.5 171.9





#58

1,1,2,2-Tetrachloroethane

Concen: 0.593 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW016376.D

Acq: 26 Aug 2020 18:44

Instrument :

MSVOA_W

ClientSampled :

BG3H6

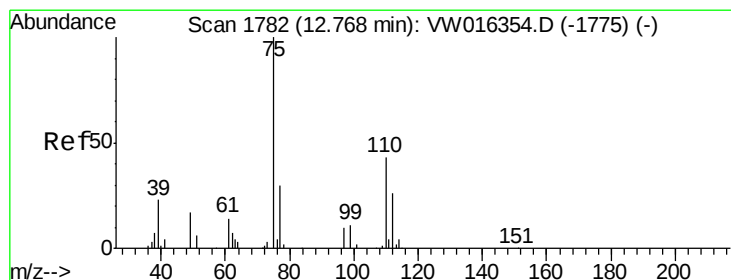
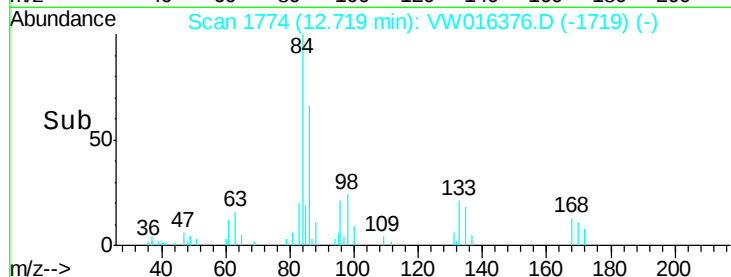
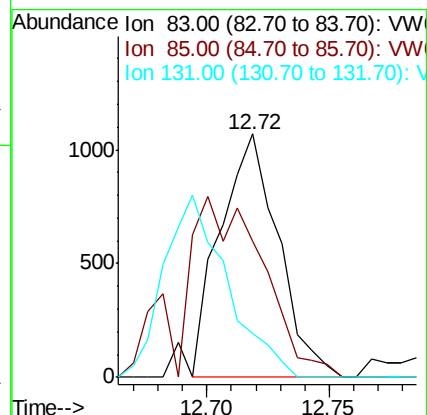
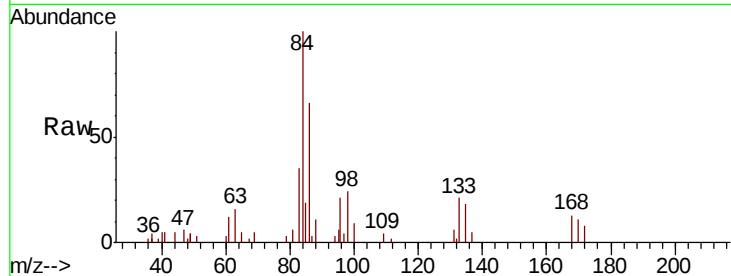
Tot Ion: 83 Resp: 1772

Ion Ratio Lower Upper

83 100

85 55.9 46.0 85.4

131 18.0 8.8 13.2#



#59

1,2,3-Trichloropropane

Concen: 4.003 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016376.D

Acq: 26 Aug 2020 18:44

Tgt Ion: 75 Resp: 8867

Ion Ratio Lower Upper

75 100

77 39.5 27.1 40.7

