

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111220\
 Data File : VW017196.D
 Acq On : 12 Nov 2020 19:40
 Operator : SY/VA
 Sample : L4712-02
 Misc : 4.96G/10ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4F0

Quant Time: Nov 13 04:21:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 13 04:11:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	420084	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	352926	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	150892	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	106283	20.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.36%
7) Chloroethane-d5	2.89	69	91472	22.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.72%
10) 1,1-Dichloroethene-d2	4.02	63	157344	16.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.48%
20) 2-Butanone-d5	7.09	46	43023	36.36	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	72.72%
24) Chloroform-d	7.65	84	227308	23.18	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.72%
26) 1,2-Dichloroethane-d4	8.31	65	114932	23.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.28%
29) Benzene-d6	8.27	84	441002	24.54	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.16%
33) 1,2-Dichloropropane-d6	9.27	67	119711	24.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.32%
37) Toluene-d8	10.32	98	429507	25.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.40%
38) trans-1,3-Dichloropropene-	10.58	79	48053	21.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.76%
39) 2-Hexanone-d5	10.93	63	34993	40.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.68%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	91787	21.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.80%
61) 1,2-Dichlorobenzene-d4	13.85	152	130618	24.57	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.28%

Target Compounds

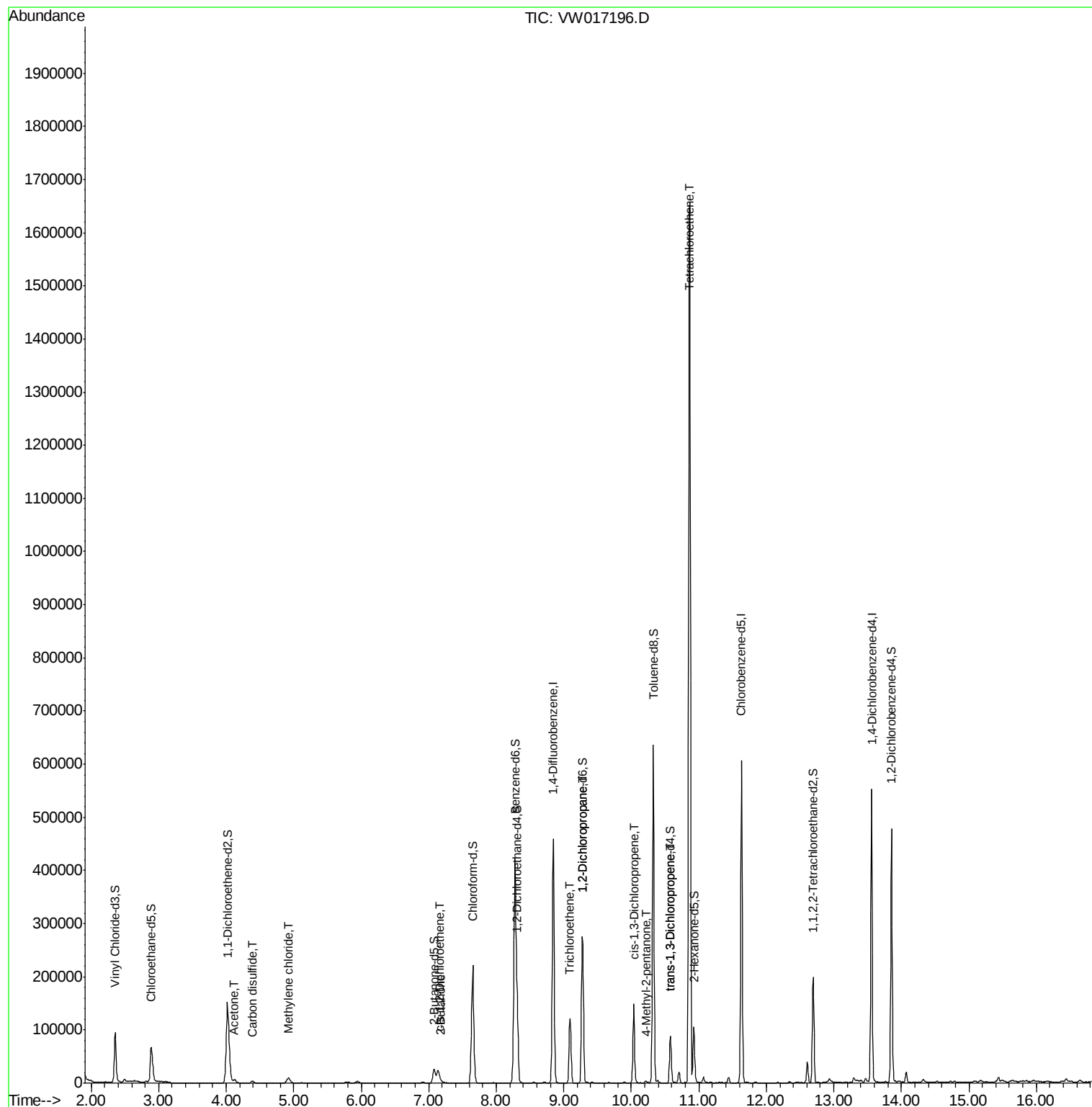
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.12	43	9135	11.530	ug/L	70
14) Carbon disulfide	4.38	76	6043	0.426	ug/L	99
16) Methylene chloride	4.92	84	5460	0.964	ug/L	93
21) 2-Butanone	7.18	43	1835	1.442	ug/L	89
22) cis-1,2-Dichloroethene	7.17	96	1594	0.279	ug/L	94
35) Trichloroethene	9.09	95	41859	8.063	ug/L	98
40) 1,2-Dichloropropane	9.27	63	14950	3.451	ug/L #	85
42) cis-1,3-Dichloropropene	10.04	75	4393	0.640	ug/L	83
43) 4-Methyl-2-pentanone	10.22	43	2687	1.005	ug/L	98
45) trans-1,3-Dichloropropene	10.59	75	2433	0.413	ug/L #	67
47) Tetrachloroethene	10.87	164	384733	82.142	ug/L	96

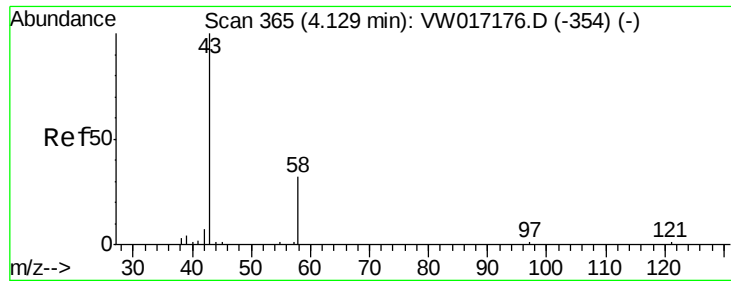
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 11.530 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW017196.D

Acq: 12 Nov 2020 19:40

Instrument :

MSVOA_W

ClientSampleId :

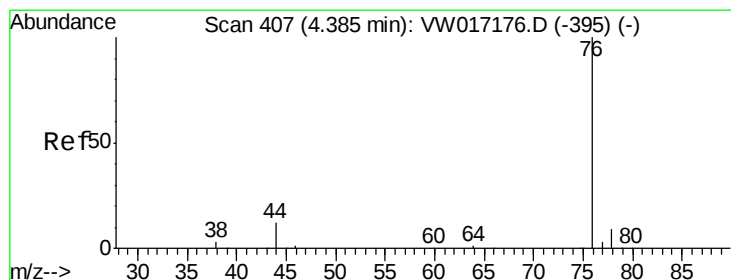
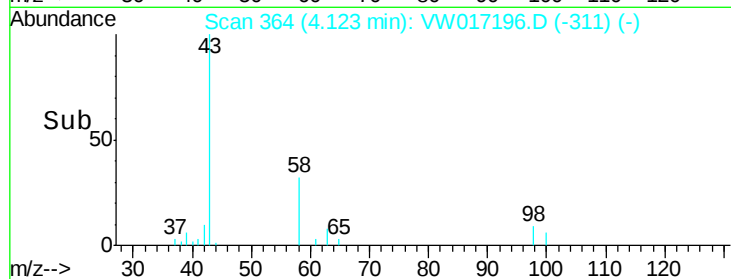
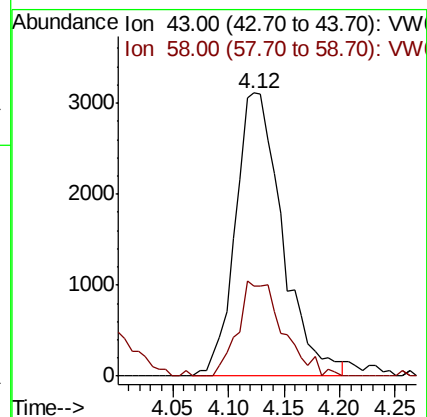
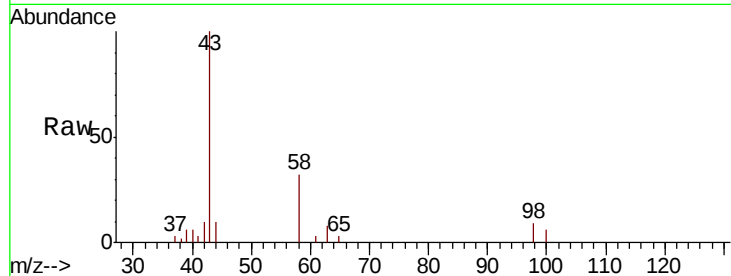
BG4F0

Tot Ion: 43 Resp: 9135

Ion Ratio Lower Upper

43 100

58 17.3 0.0 69.2



#14

Carbon disulfide

Concen: 0.426 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW017196.D

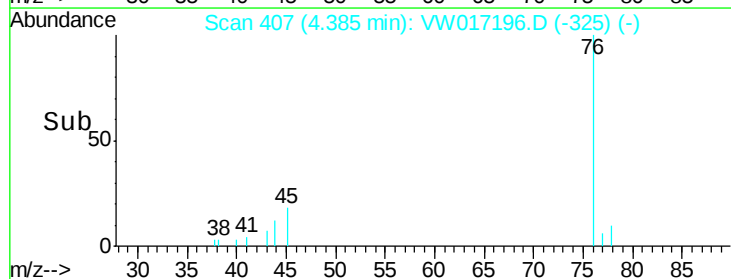
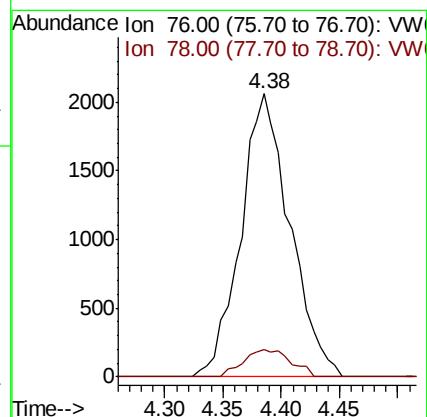
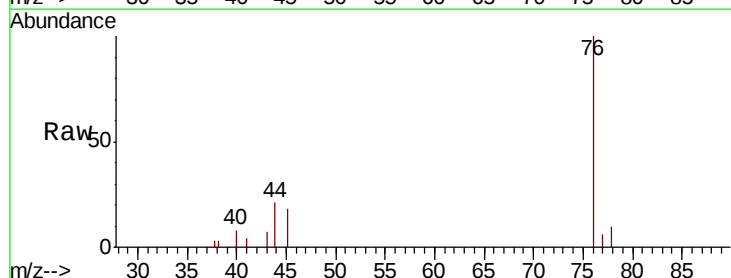
Acq: 12 Nov 2020 19:40

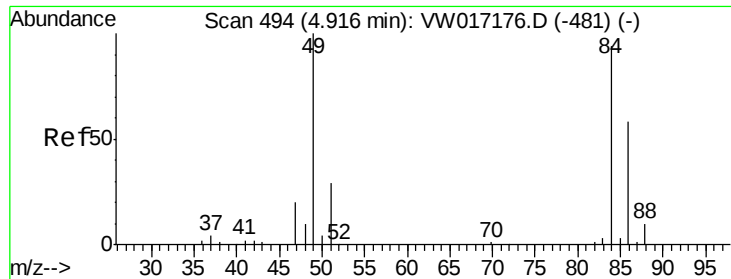
Tgt Ion: 76 Resp: 6043

Ion Ratio Lower Upper

76 100

78 9.8 7.6 11.4

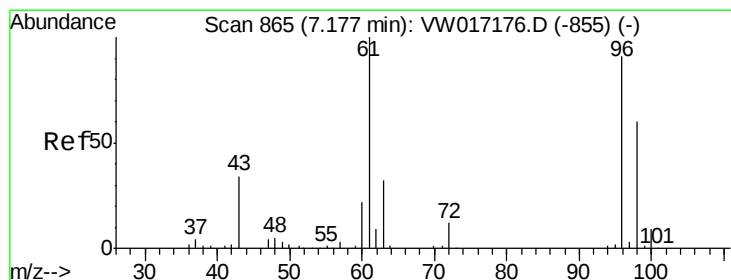
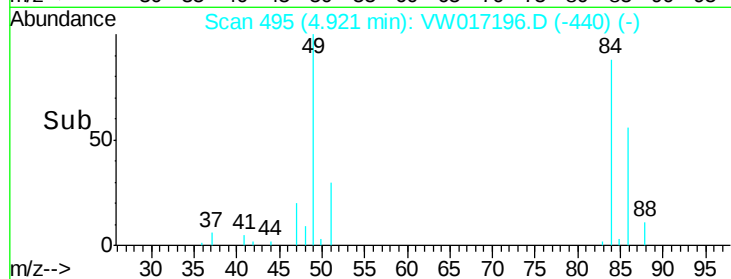
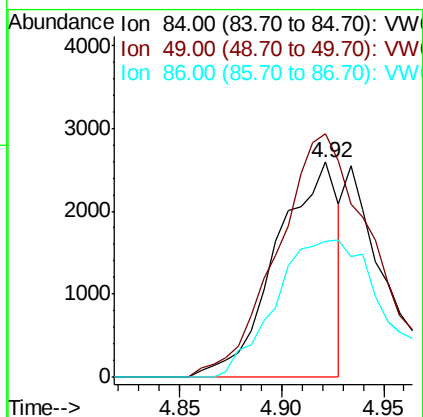
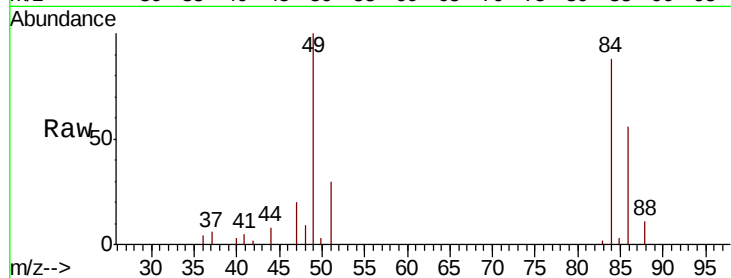




#16
Methylene chloride
Concen: 0.964 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW017196.D
Acq: 12 Nov 2020 19:40

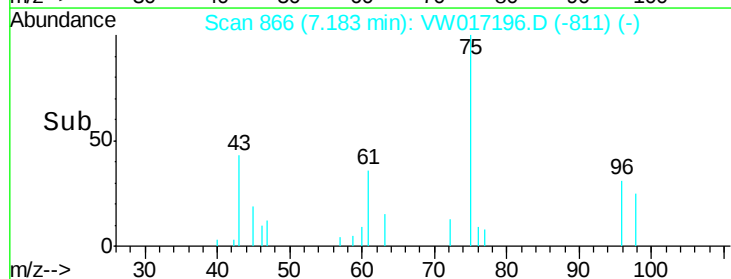
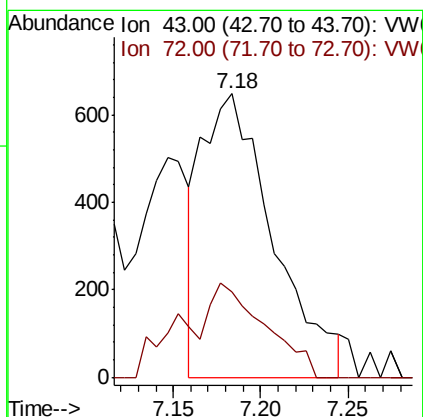
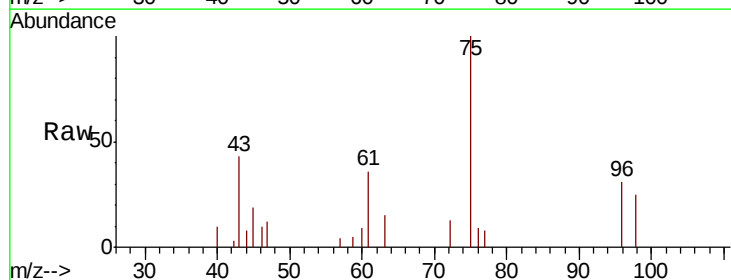
Instrument :
MSVOA_W
ClientSampleId :
BG4F0

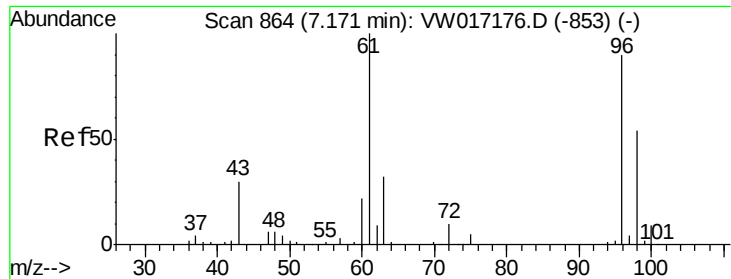
Tot Ion: 84 Resp: 5460
Ion Ratio Lower Upper
84 100
49 113.2 72.3 134.3
86 63.0 45.1 83.7



#21
2-Butanone
Concen: 1.442 ug/L
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW017196.D
Acq: 12 Nov 2020 19:40

Tgt Ion: 43 Resp: 1835
Ion Ratio Lower Upper
43 100
72 25.9 16.1 48.3





#22

cis-1,2-Dichloroethene

Concen: 0.279 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW017196.D

Acq: 12 Nov 2020 19:40

Instrument :

MSVOA_W

ClientSampled :

BG4F0

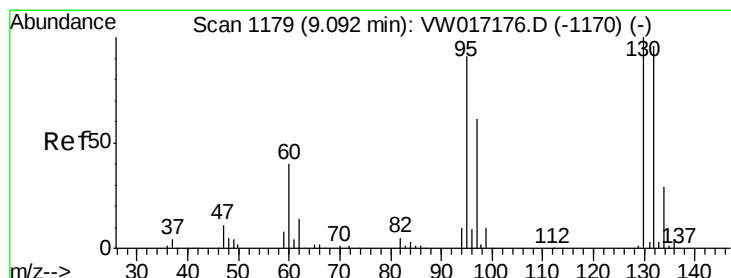
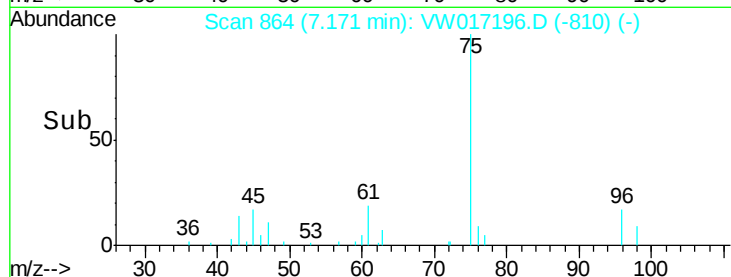
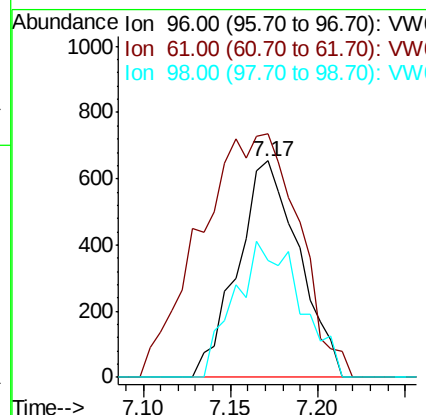
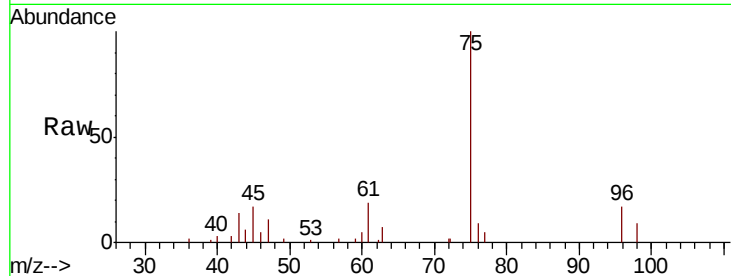
Tot Ion: 96 Resp: 1594

Ion Ratio Lower Upper

96 100

61 112.5 77.4 143.8

98 54.1 45.1 83.7



#35

Trichloroethene

Concen: 8.063 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW017196.D

Acq: 12 Nov 2020 19:40

Tgt Ion: 95 Resp: 41859

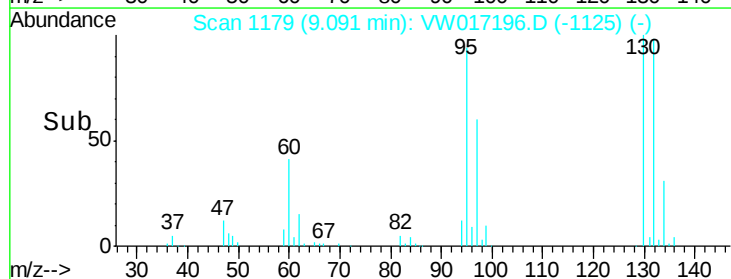
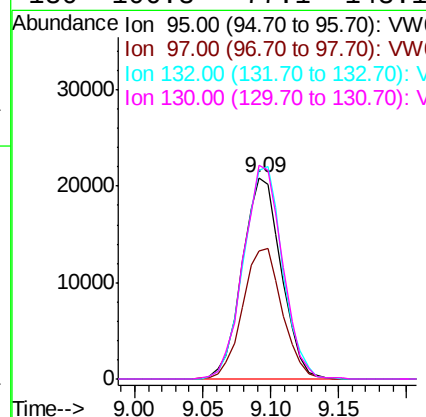
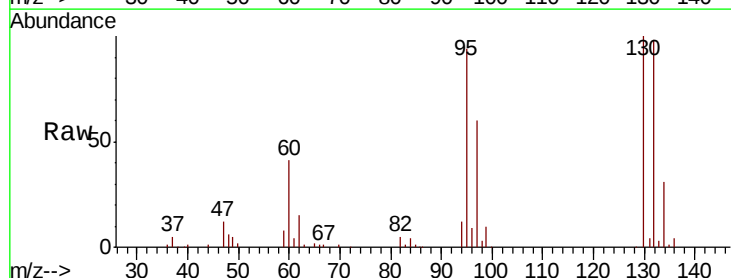
Ion Ratio Lower Upper

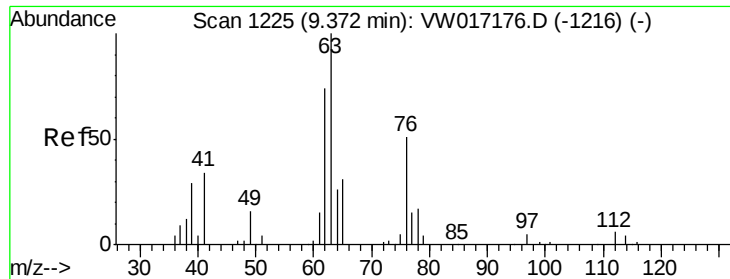
95 100

97 66.0 45.0 83.6

132 105.9 73.7 136.9

130 106.3 77.1 143.1

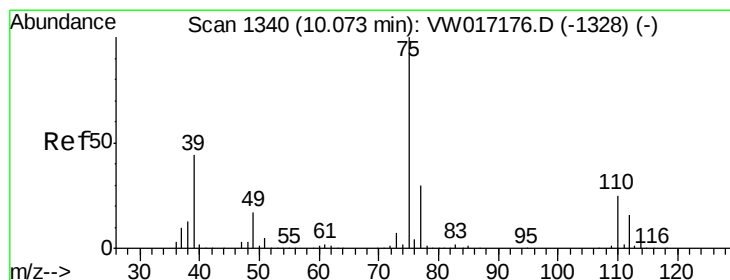
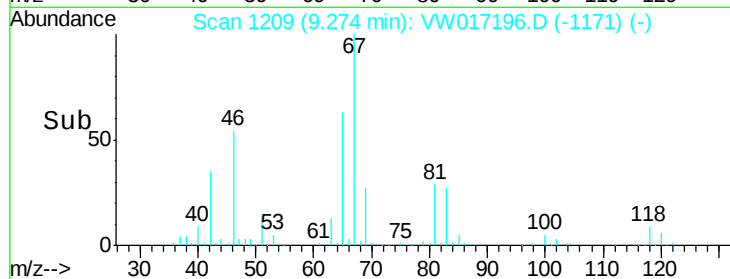
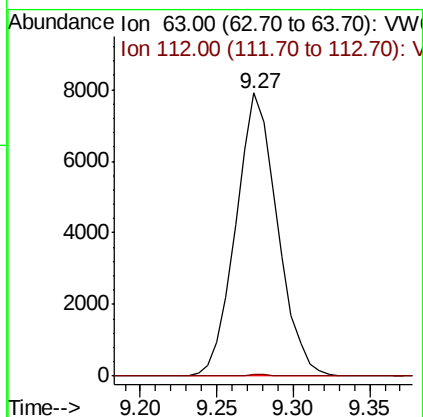
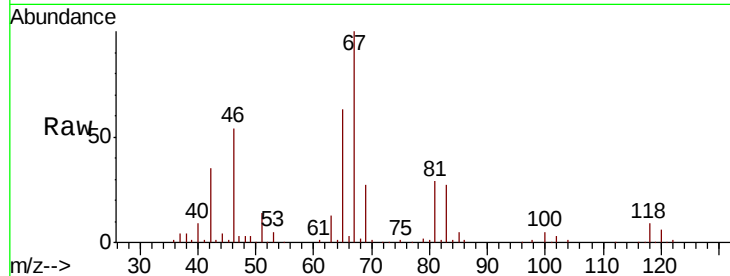




#40
 1,2-Dichloropropane
 Concen: 3.451 ug/L
 RT: 9.27 min Scan# 1209
 Delta R.T. -0.10 min
 Lab File: VW017196.D
 Acq: 12 Nov 2020 19:40

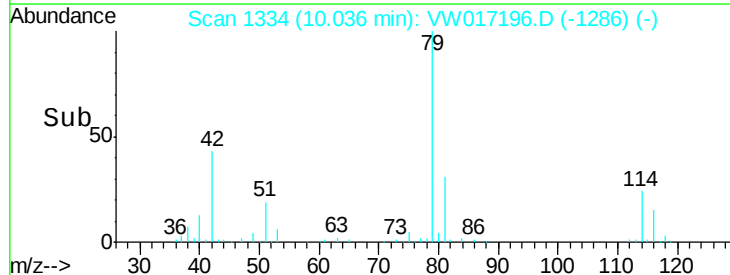
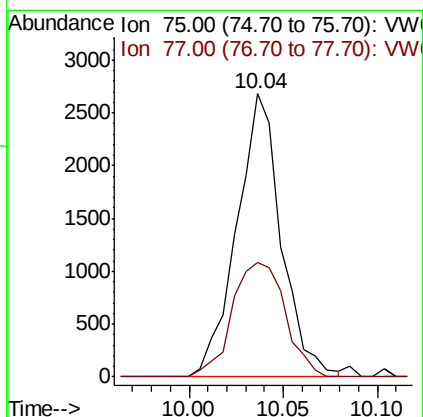
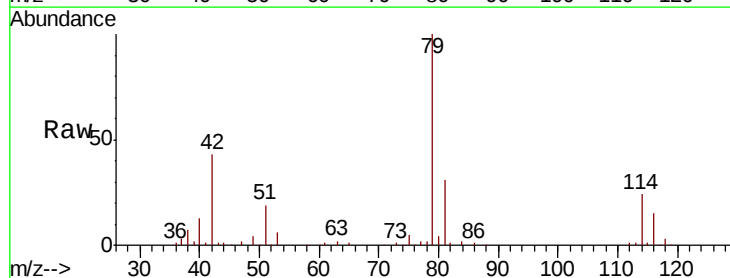
Instrument :
 MSVOA_W
 ClientSampleId :
 BG4F0

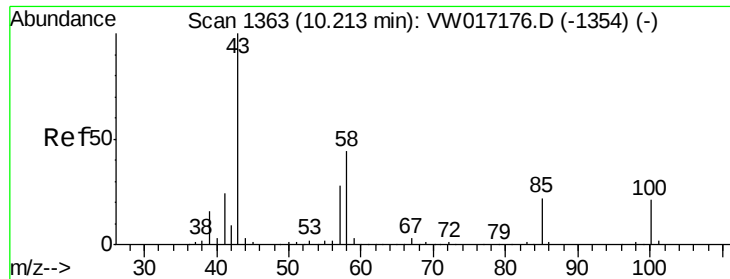
Tot Ion: 63 Resp: 14950
 Ion Ratio Lower Upper
 63 100
 112 0.3 4.2 6.2#



#42
 cis-1,3-Dichloropropene
 Concen: 0.640 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW017196.D
 Acq: 12 Nov 2020 19:40

Tgt Ion: 75 Resp: 4393
 Ion Ratio Lower Upper
 75 100
 77 40.7 22.0 41.0

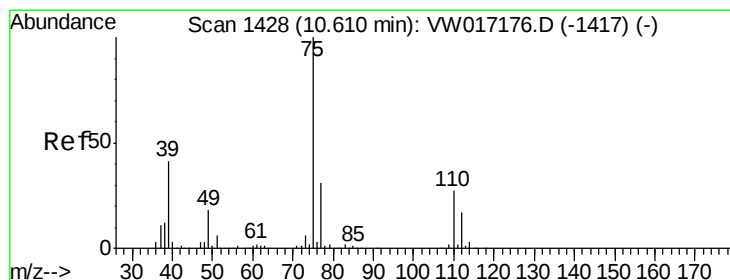
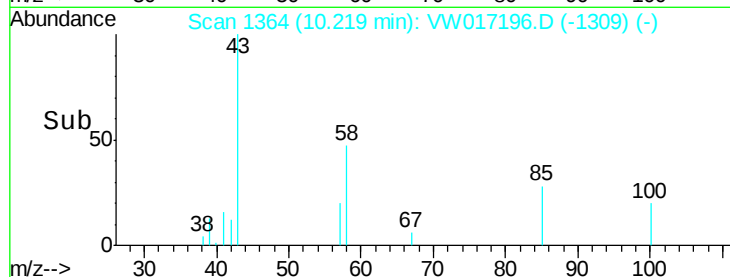
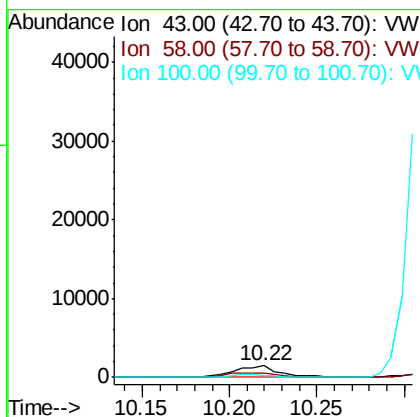
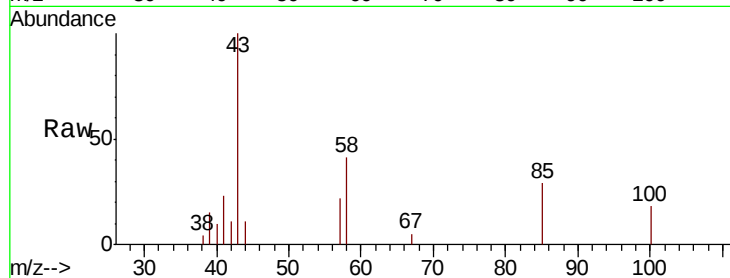




#43
4-Methyl-2-pentanone
Concen: 1.005 ug/L
RT: 10.22 min Scan# 1364
Delta R.T. 0.01 min
Lab File: VW017196.D
Acq: 12 Nov 2020 19:40

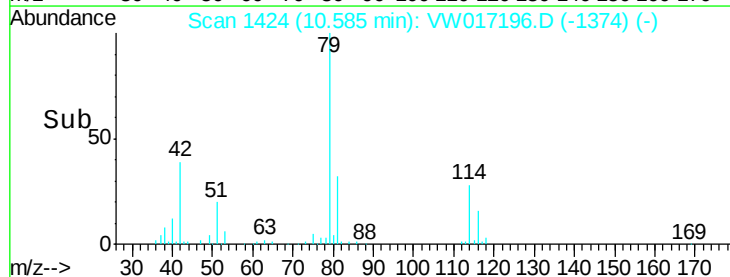
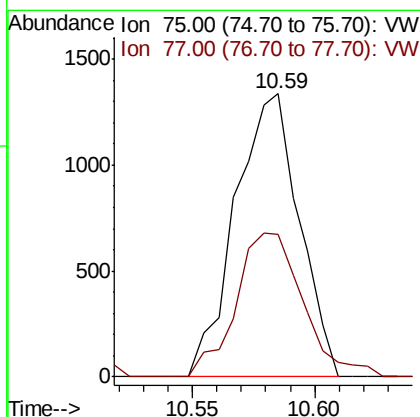
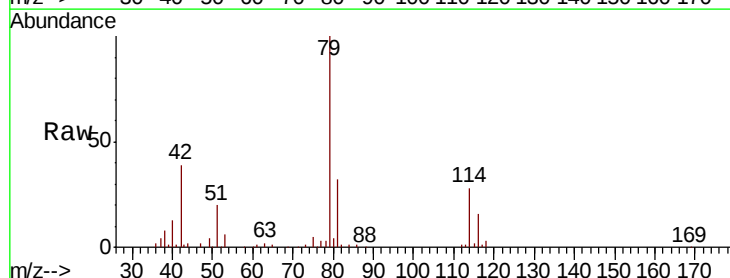
Instrument :
MSVOA_W
ClientSampled :
BG4F0

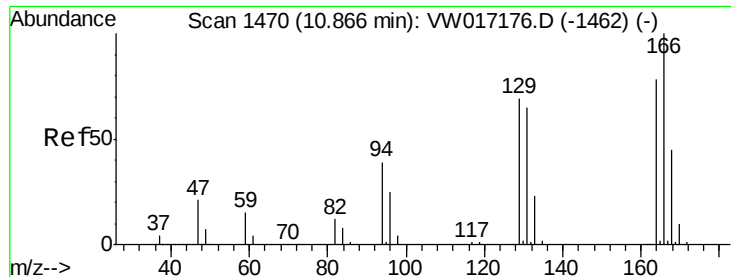
Tot Ion: 43 Resp: 2687
Ion Ratio Lower Upper
43 100
58 42.1 35.0 52.6
100 20.5 16.6 24.8



#45
trans-1,3-Dichloropropene
Concen: 0.413 ug/L
RT: 10.59 min Scan# 1424
Delta R.T. -0.02 min
Lab File: VW017196.D
Acq: 12 Nov 2020 19:40

Tgt Ion: 75 Resp: 2433
Ion Ratio Lower Upper
75 100
77 50.1 22.1 41.1#





#47

Tetrachloroethene

Concen: 82.142 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW017196.D

Acq: 12 Nov 2020 19:40

Instrument :

MSVOA_W

ClientSampleId :

BG4F0

Tot Ion:164 Resp: 384733

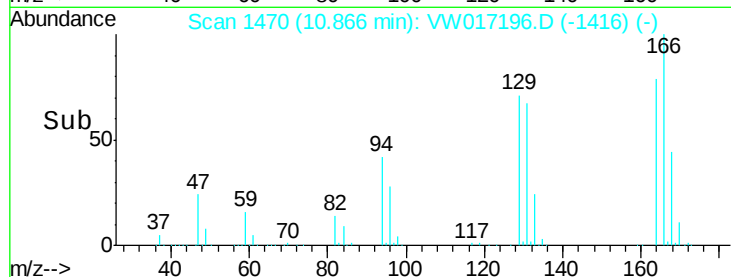
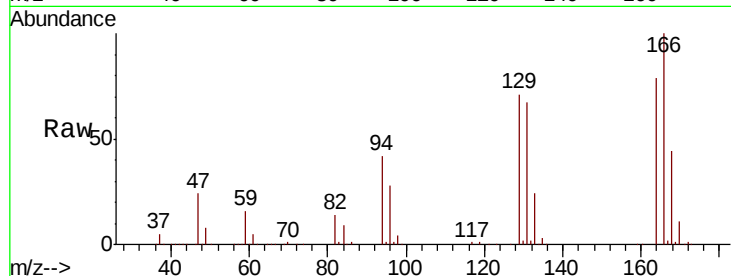
Ion Ratio Lower Upper

164 100

129 90.4 62.9 116.7

131 85.1 63.3 117.5

166 126.4 92.0 170.8



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

