

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111720\
 Data File : VW017298.D
 Acq On : 17 Nov 2020 20:48
 Operator : SY/VA
 Sample : L4738-04
 Misc : 4.77G/10ML/MSVOA W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GB0X1

Quant Time: Nov 18 04:51:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 18 04:50:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	454031	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	360681	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	116846	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	104795	18.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.28%
7) Chloroethane-d5	2.89	69	95557	21.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.72%
10) 1,1-Dichloroethene-d2	4.02	63	160907	15.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.92%
20) 2-Butanone-d5	7.08	46	55567	43.45	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.90%
24) Chloroform-d	7.65	84	259645	24.50	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	8.31	65	132281	25.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.40%
29) Benzene-d6	8.27	84	488199	26.58	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.32%
33) 1,2-Dichloropropane-d6	9.27	67	139986	27.55	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.20%
37) Toluene-d8	10.32	98	438194	25.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.20%
38) trans-1,3-Dichloropropene-	10.58	79	52885	23.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.36%
39) 2-Hexanone-d5	10.93	63	45056	50.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.64%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	100760	22.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.08%
61) 1,2-Dichlorobenzene-d4	13.85	152	96996	23.56	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.24%

Target Compounds

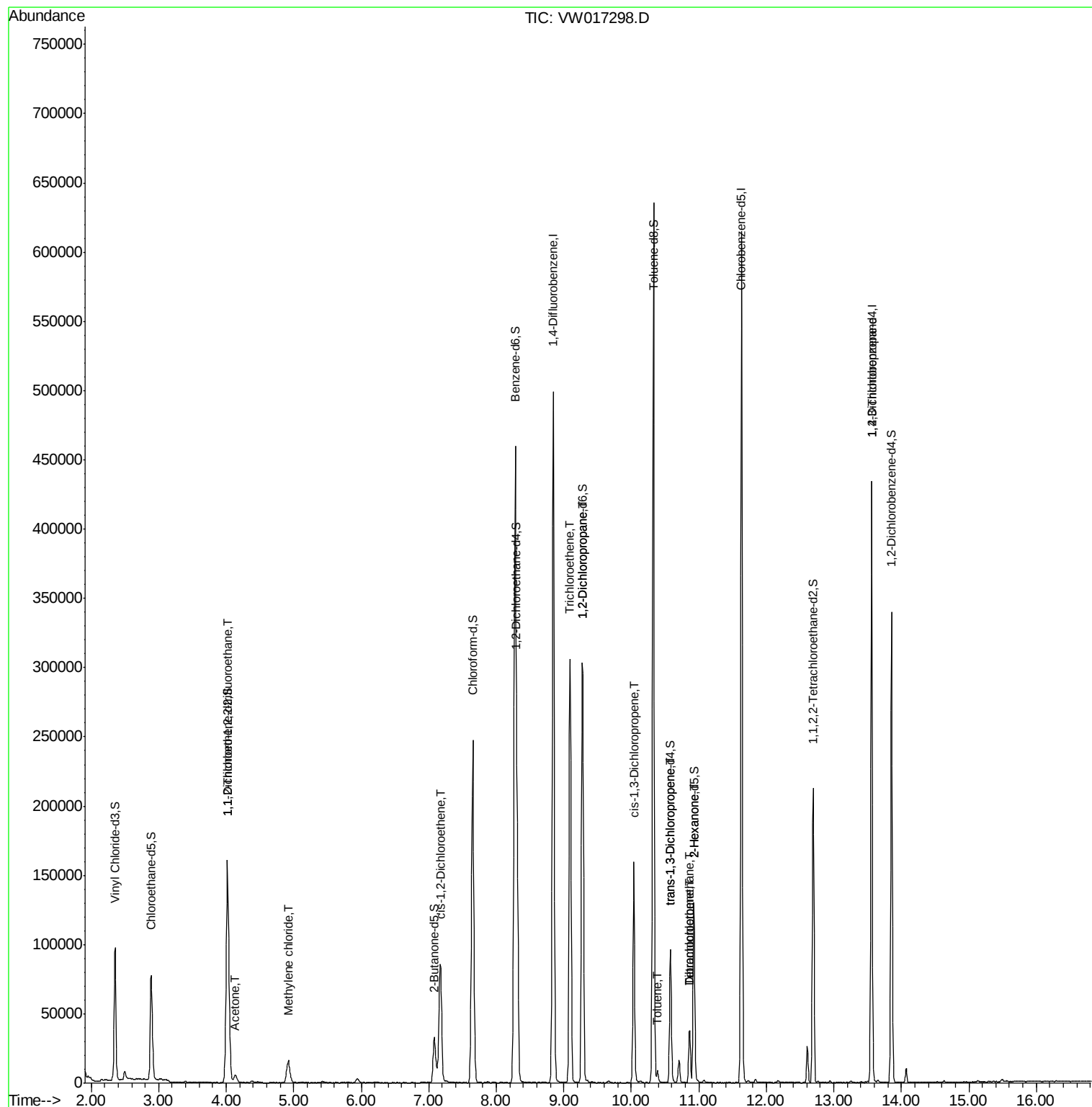
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	4.03	101	1683	0.287	ug/L #	17
13) Acetone	4.14	43	10144	11.846	ug/L	73
16) Methylene chloride	4.92	84	14182	2.317	ug/L	97
22) cis-1,2-Dichloroethene	7.18	96	54399	8.820	ug/L	96
35) Trichloroethene	9.09	95	104724	19.739	ug/L	99
40) 1,2-Dichloropropane	9.27	63	16583	3.746	ug/L #	85
42) cis-1,3-Dichloropropene	10.04	75	4198	0.599	ug/L #	79
44) Toluene	10.39	91	5810	0.279	ug/L	98
45) trans-1,3-Dichloropropene	10.58	75	2600	0.432	ug/L #	69
47) Tetrachloroethene	10.86	164	9414	1.967	ug/L	94
49) 2-Hexanone	10.93	43	5309	3.224	ug/L #	61
50) Dibromochloromethane	10.87	129	8549	1.838	ug/L #	11
59) 1,2,3-Trichloropropane	13.56	75	12720	4.013	ug/L	93

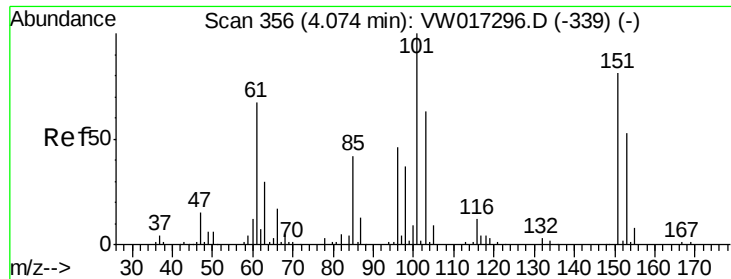
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW11720\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 18 04:50:20 2020
Response via : Initial Calibration





#11

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

Concen: 0.287 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.05 min

Lab File: VW017298.D

Acq: 17 Nov 2020 20:48

Instrument :

MSVOA_W

ClientSampled :

GB0X1

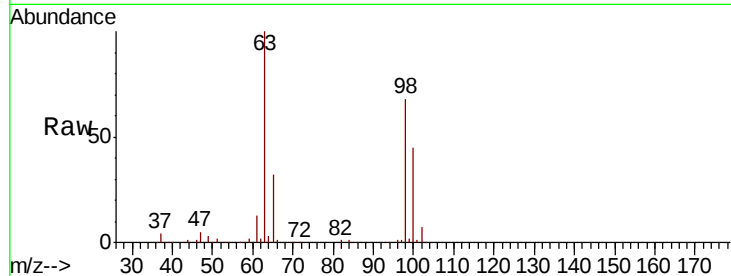
Tot Ion:101 Resp: 1683

Ion Ratio Lower Upper

101 100

85 0.0 32.8 49.2#

151 0.0 65.4 98.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V

4.03

800

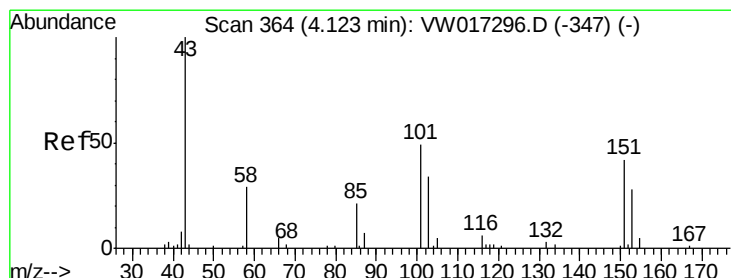
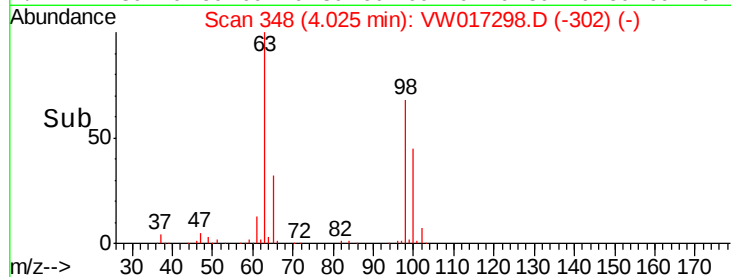
600

400

200

0

Time--> 3.95 4.00 4.05 4.10



#13

Acetone

Concen: 11.846 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW017298.D

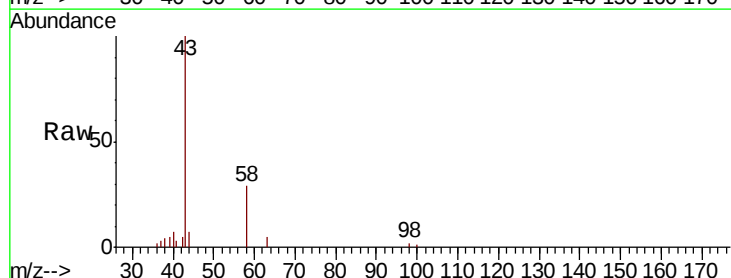
Acq: 17 Nov 2020 20:48

Tgt Ion: 43 Resp: 10144

Ion Ratio Lower Upper

43 100

58 19.1 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

4000

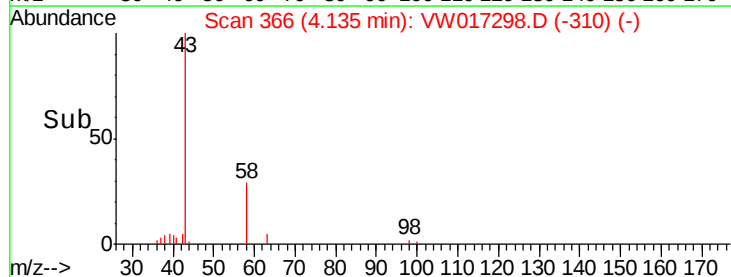
3000

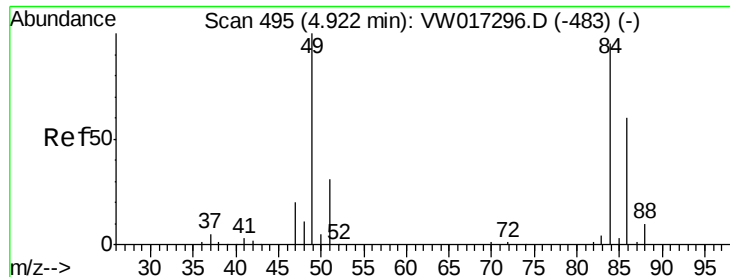
2000

1000

0

Time--> 4.05 4.10 4.15 4.20

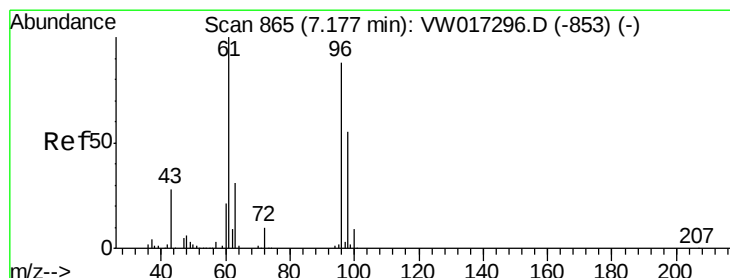
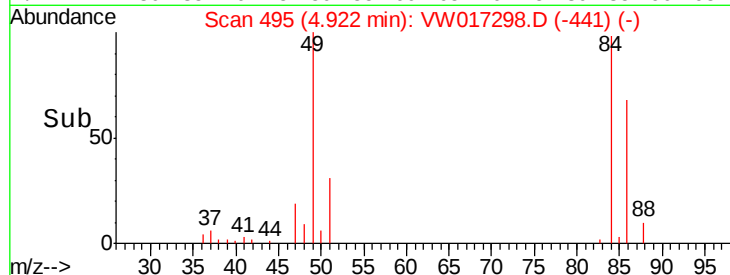
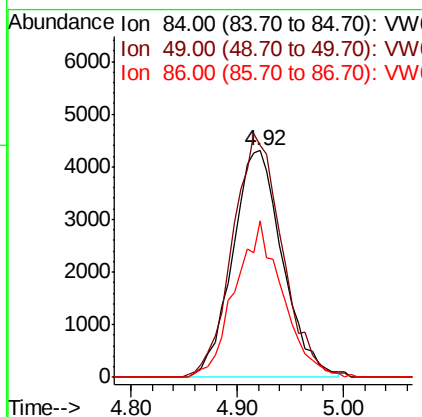
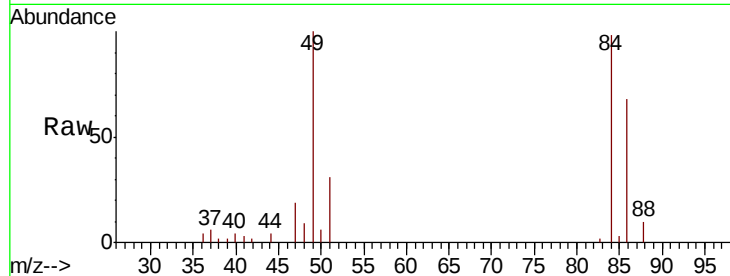




#16
Methylene chloride
Concen: 2.317 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW017298.D
Acq: 17 Nov 2020 20:48

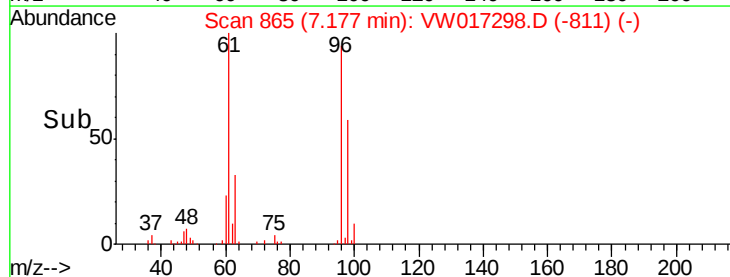
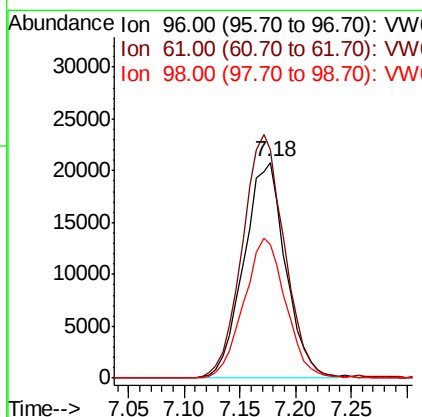
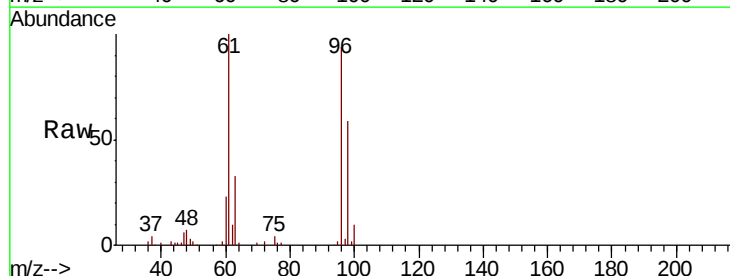
Instrument :
MSVOA_W
ClientSampled :
GB0X1

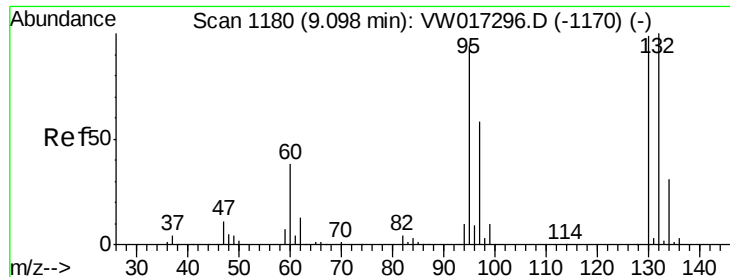
Tot Ion: 84 Resp: 14182
Ion Ratio Lower Upper
84 100
49 102.2 72.3 134.3
86 69.3 45.1 83.7



#22
cis-1,2-Dichloroethene
Concen: 8.820 ug/L
RT: 7.18 min Scan# 865
Delta R.T. -0.00 min
Lab File: VW017298.D
Acq: 17 Nov 2020 20:48

Tgt Ion: 96 Resp: 54399
Ion Ratio Lower Upper
96 100
61 105.9 77.4 143.8
98 61.9 45.1 83.7





#35

Trichloroethene

Concen: 19.739 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW017298.D

Acq: 17 Nov 2020 20:48

Instrument :

MSVOA_W

ClientSampleId :

GB0X1

Tot Ion: 95 Resp: 104724

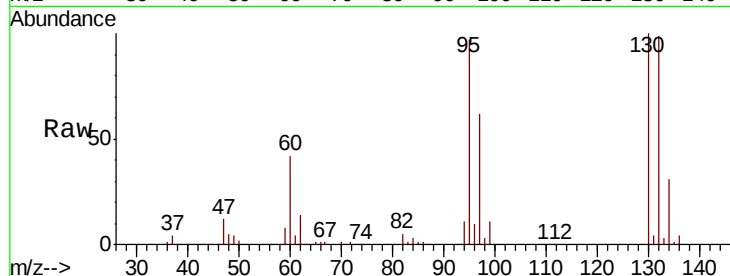
Ion Ratio Lower Upper

95 100

97 65.8 45.0 83.6

132 106.1 73.7 136.9

130 109.9 77.1 143.1

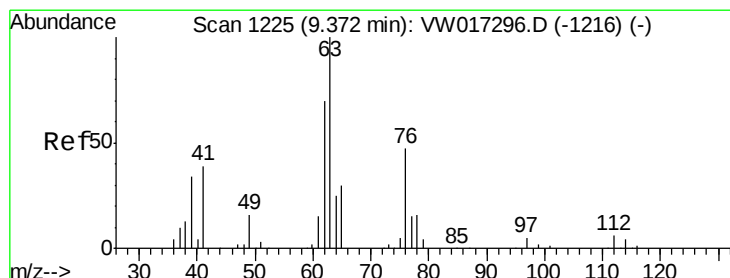
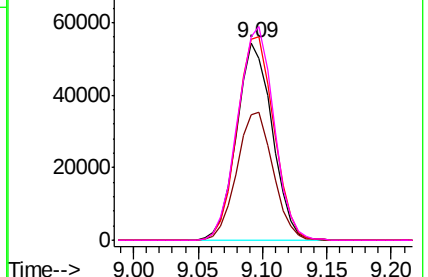
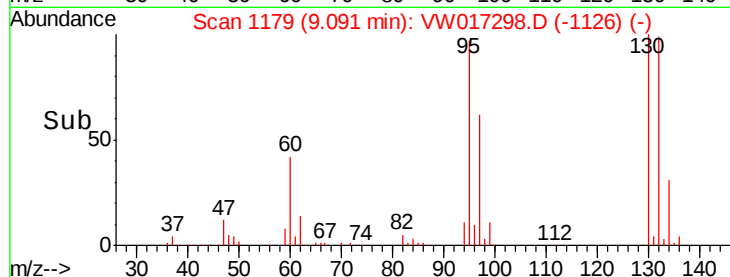


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 3.746 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.10 min

Lab File: VW017298.D

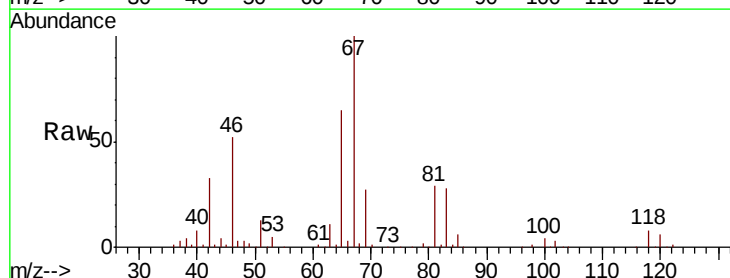
Acq: 17 Nov 2020 20:48

Tgt Ion: 63 Resp: 16583

Ion Ratio Lower Upper

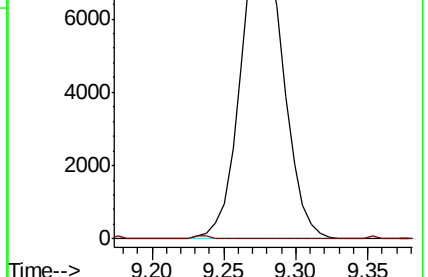
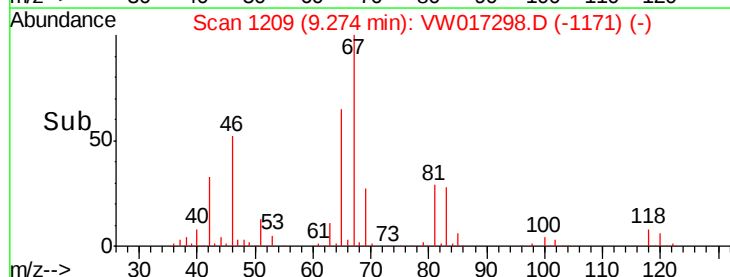
63 100

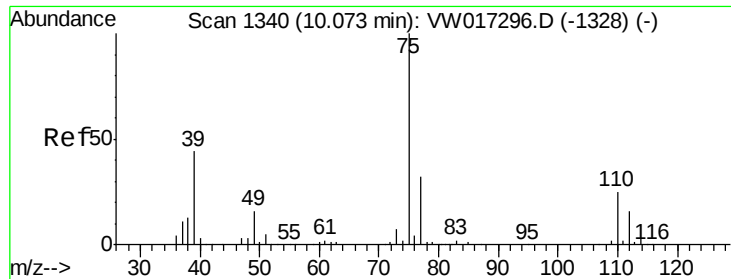
112 0.4 4.2 6.2#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V

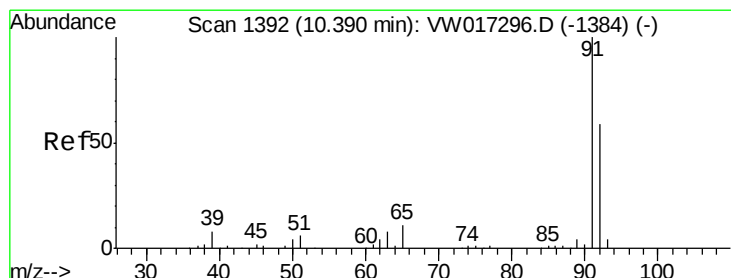
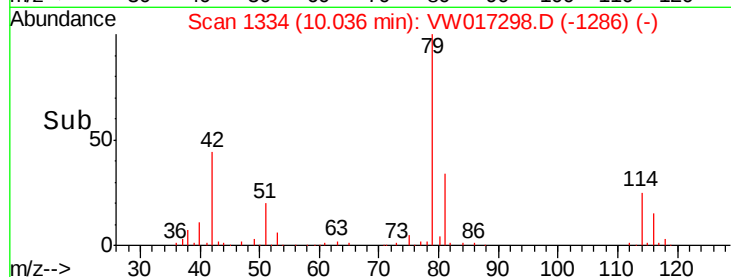
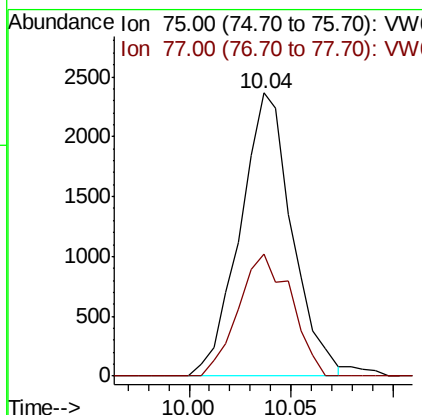
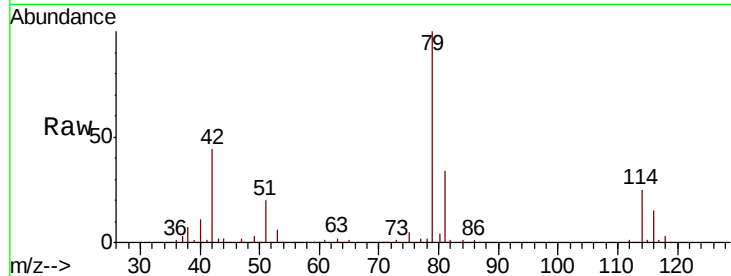




#42
 cis-1,3-Dichloropropene
 Concen: 0.599 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW017298.D
 Acq: 17 Nov 2020 20:48

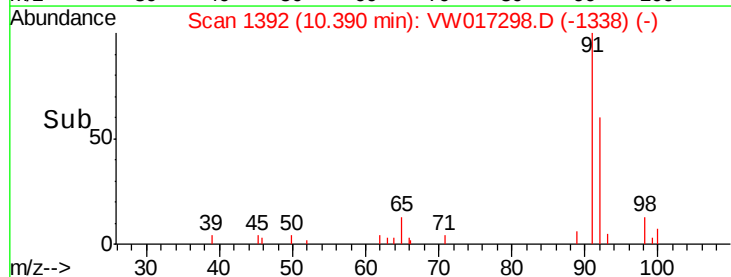
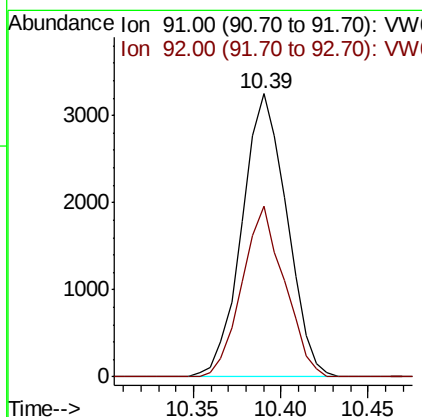
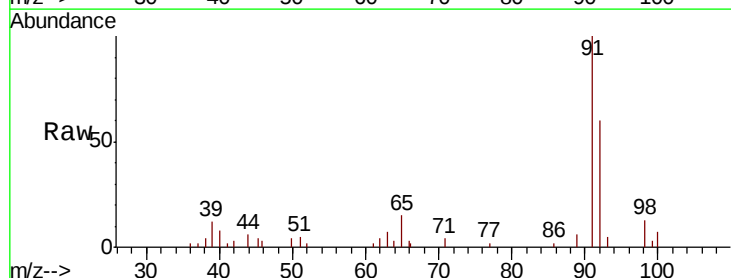
Instrument :
 MSVOA_W
 ClientSampled :
 GB0X1

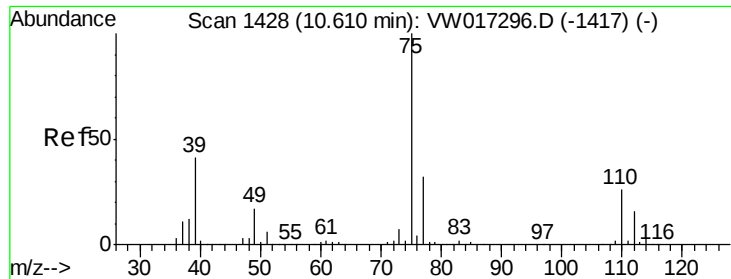
Tot Ion: 75 Resp: 4198
 Ion Ratio Lower Upper
 75 100
 77 43.0 22.0 41.0#



#44
 Toluene
 Concen: 0.279 ug/L
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW017298.D
 Acq: 17 Nov 2020 20:48

Tgt Ion: 91 Resp: 5810
 Ion Ratio Lower Upper
 91 100
 92 60.4 41.4 76.8





#45

trans-1,3-Dichloropropene

Concen: 0.432 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017298.D

Acq: 17 Nov 2020 20:48

Instrument :

MSVOA_W

ClientSampleId :

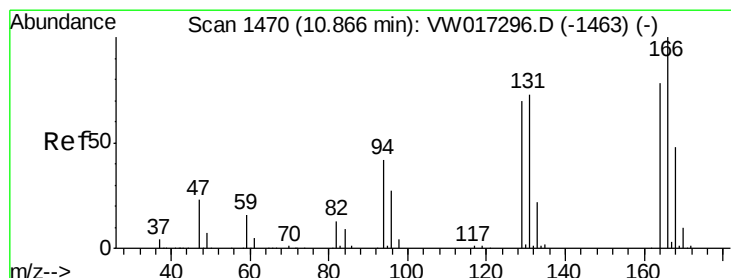
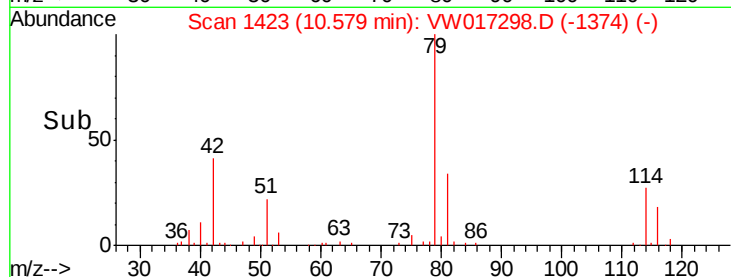
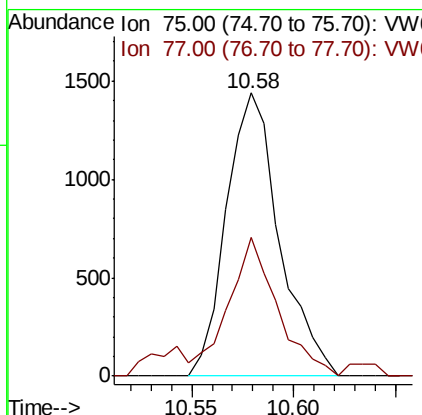
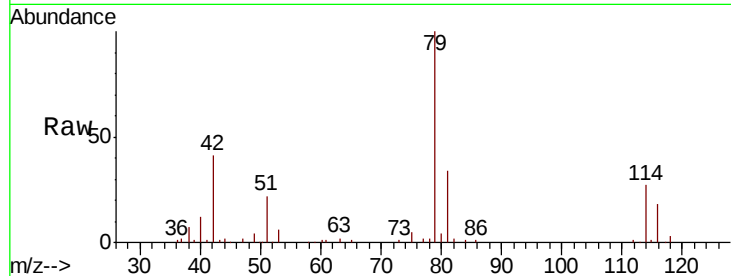
GB0X1

Tot Ion: 75 Resp: 2600

Ion Ratio Lower Upper

75 100

77 48.8 22.1 41.1#



#47

Tetrachloroethene

Concen: 1.967 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW017298.D

Acq: 17 Nov 2020 20:48

Tgt Ion: 164 Resp: 9414

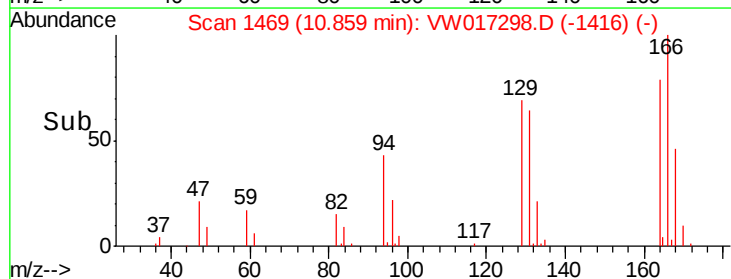
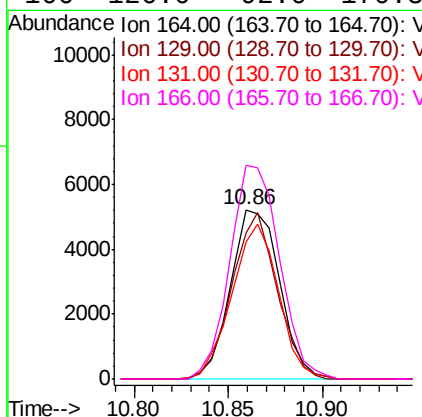
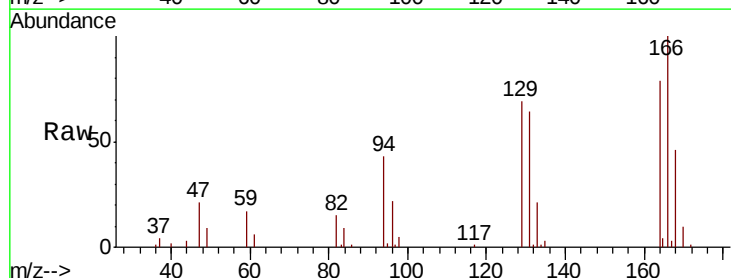
Ion Ratio Lower Upper

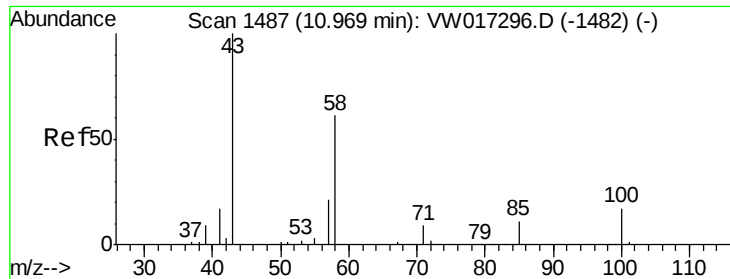
164 100

129 86.4 62.9 116.7

131 81.1 63.3 117.5

166 126.0 92.0 170.8





#49

2-Hexanone

Concen: 3.224 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW017298.D

Acq: 17 Nov 2020 20:48

Instrument :

MSVOA_W

ClientSampled :

GB0X1

Tot Ion: 43 Resp: 5309

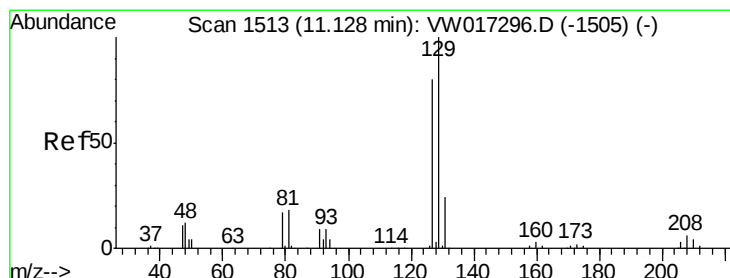
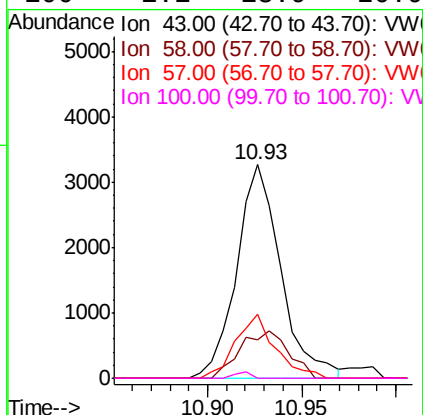
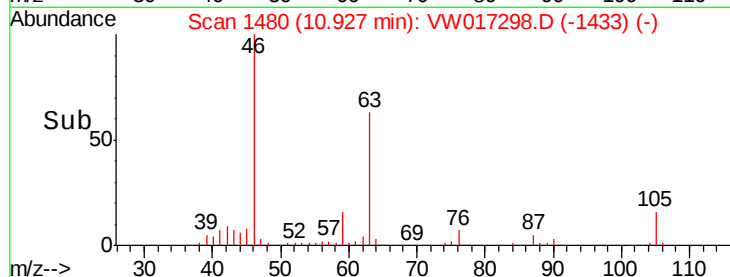
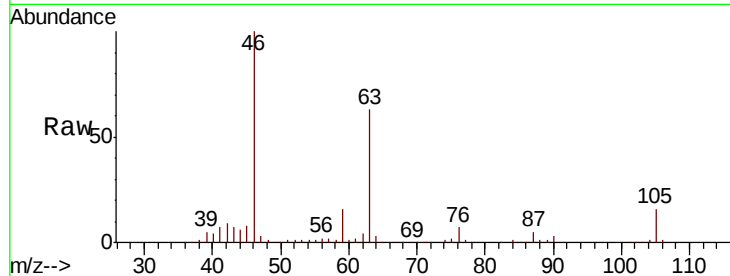
Ion Ratio Lower Upper

43 100

58 24.5 50.6 75.8#

57 27.1 17.8 26.6#

100 1.1 13.9 20.9#



#50

Dibromochloromethane

Concen: 1.838 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.26 min

Lab File: VW017298.D

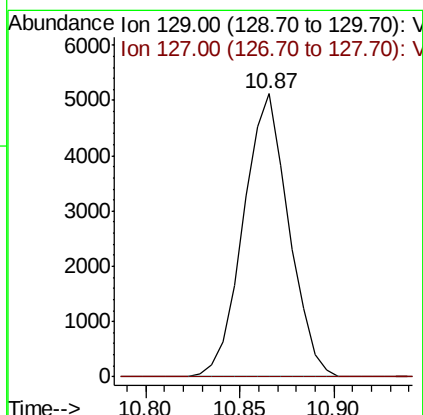
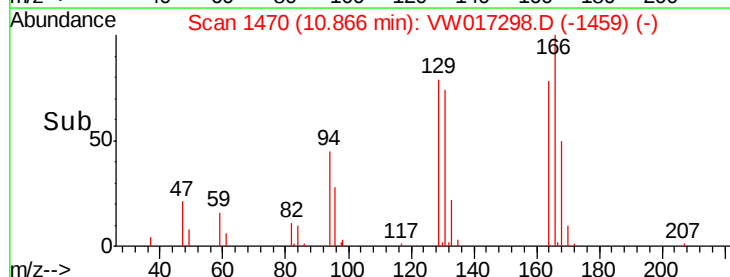
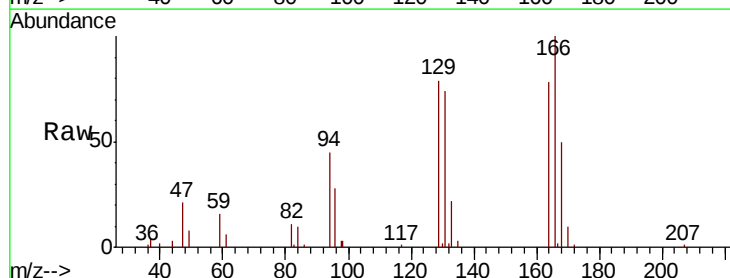
Acq: 17 Nov 2020 20:48

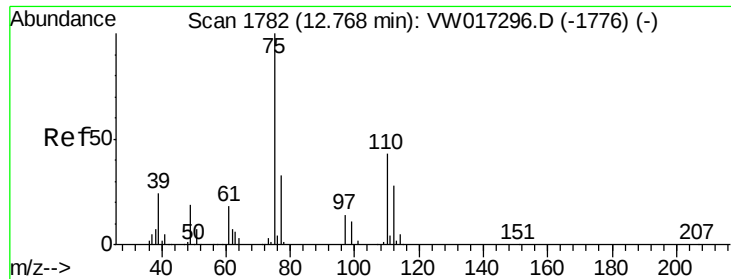
Tgt Ion: 129 Resp: 8549

Ion Ratio Lower Upper

129 100

127 0.0 54.3 100.9#





#59

1,2,3-Trichloropropane

Concen: 4.013 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017298.D

Acq: 17 Nov 2020 20:48

Instrument :

MSVOA_W

ClientSampleId :

GB0X1

Tot Ion: 75 Resp: 12720

Ion Ratio Lower Upper

75 100

77 36.8 26.4 39.6

