

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111620\
 Data File : VW017256.D
 Acq On : 16 Nov 2020 14:56
 Operator : SY/VA
 Sample : L4739-12
 Misc : 6.30G/10ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GB0Z9

Quant Time: Nov 17 06:11:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 17 06:08:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	430337	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	334101	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	106750	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	103576	19.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.44%
7) Chloroethane-d5	2.89	69	92885	22.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.96%
10) 1,1-Dichloroethene-d2	4.02	63	155637	16.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	64.20%
20) 2-Butanone-d5	7.08	46	56644	46.73	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.46%
24) Chloroform-d	7.65	84	242931	24.18	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.72%
26) 1,2-Dichloroethane-d4	8.45	65	82	0.02	ug/L	0.14
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.08%#
29) Benzene-d6	8.27	84	465170	27.34	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	109.36%
33) 1,2-Dichloropropane-d6	9.27	67	129902	27.60	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.40%
37) Toluene-d8	10.33	98	414745	25.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.40%
38) trans-1,3-Dichloropropene-	10.58	79	53702	25.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.24%
39) 2-Hexanone-d5	10.93	63	43904	53.46	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.92%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	90789	22.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.60%
61) 1,2-Dichlorobenzene-d4	13.86	152	86498	23.00	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.00%

Target Compounds

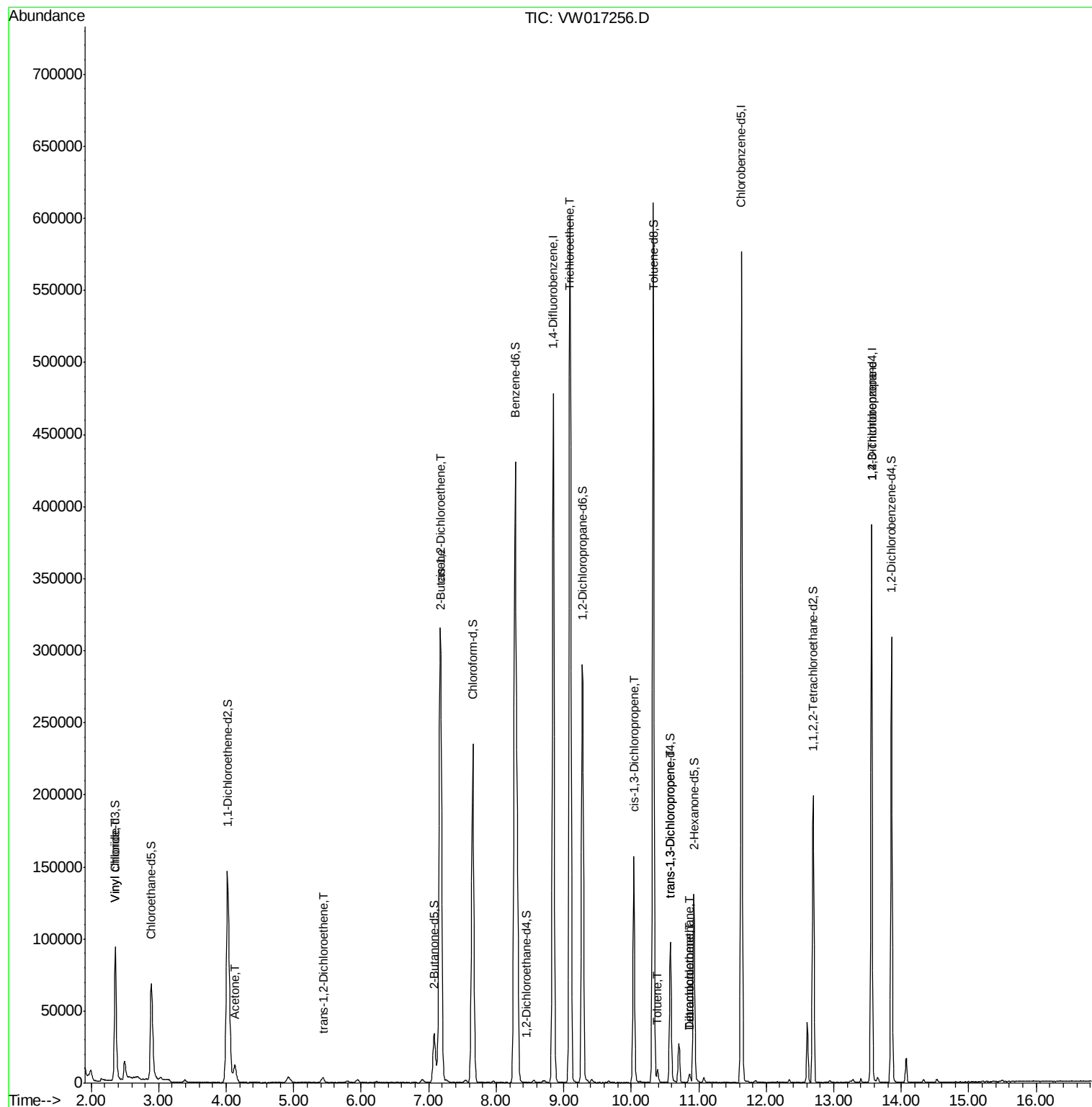
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	2.36	62	7115	1.238	ug/L #	43
13) Acetone	4.13	43	21076	25.968	ug/L	95
18) trans-1,2-Dichloroethene	5.43	96	1598	0.289	ug/L	91
21) 2-Butanone	7.18	43	3809	2.923	ug/L #	8
22) cis-1,2-Dichloroethene	7.17	96	202568	34.652	ug/L	97
35) Trichloroethene	9.09	95	203134	41.335	ug/L	99
42) cis-1,3-Dichloropropene	10.04	75	4359	0.671	ug/L #	61
44) Toluene	10.39	91	6224	0.322	ug/L	91
45) trans-1,3-Dichloropropene	10.58	75	2916	0.523	ug/L	87
47) Tetrachloroethene	10.87	164	1474	0.332	ug/L	82
50) Dibromochloromethane	10.87	129	1155	0.268	ug/L #	11
59) 1,2,3-Trichloropropane	13.56	75	11277	3.841	ug/L	91

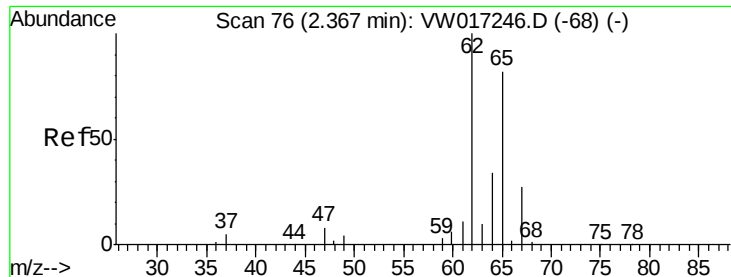
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Nov 17 06:08:23 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.238 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW017256.D

Acq: 16 Nov 2020 14:56

Instrument :

MSVOA_W

ClientSampled :

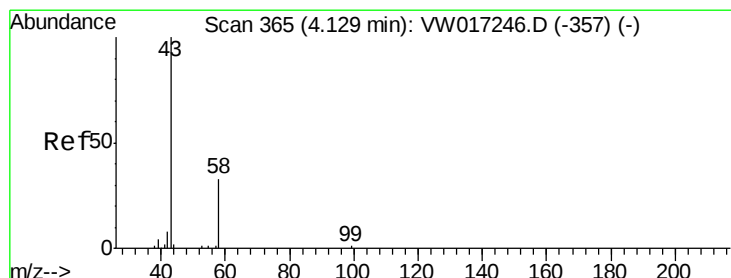
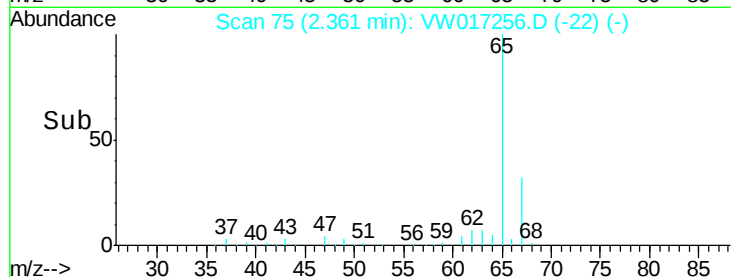
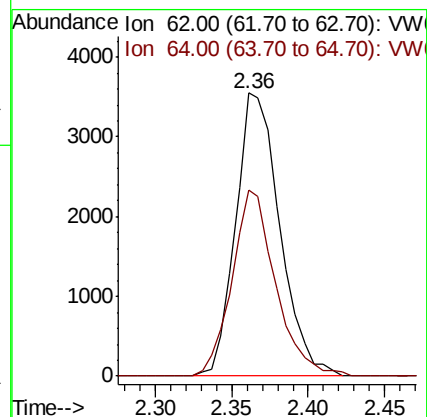
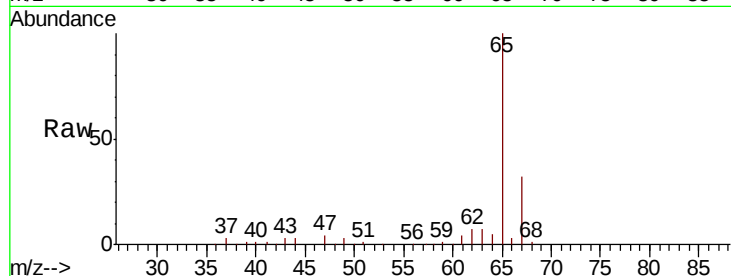
GB0Z9

Tot Ion: 62 Resp: 7115

Ion Ratio Lower Upper

62 100

64 65.7 23.3 43.3#



#13

Acetone

Concen: 25.968 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW017256.D

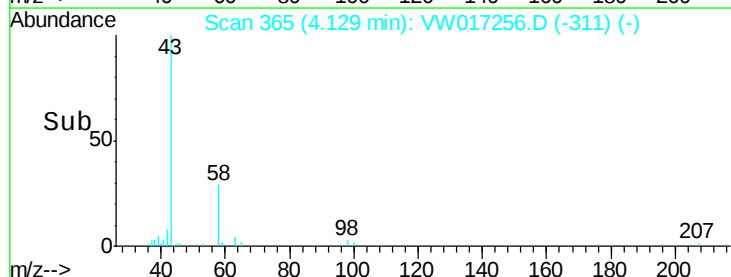
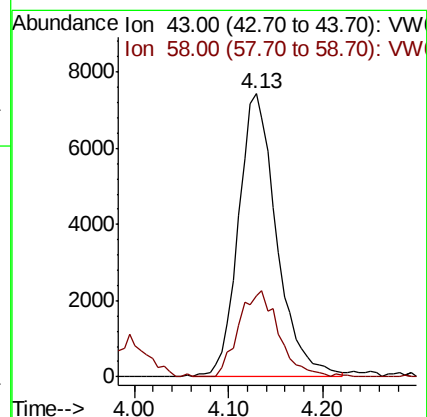
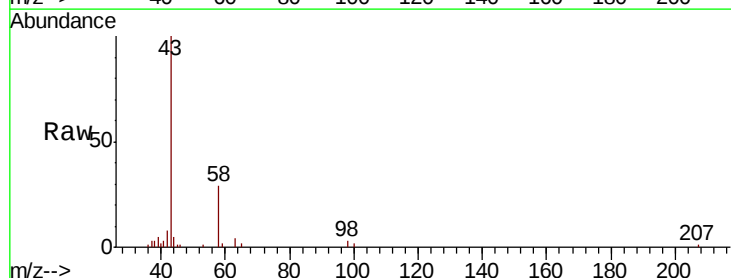
Acq: 16 Nov 2020 14:56

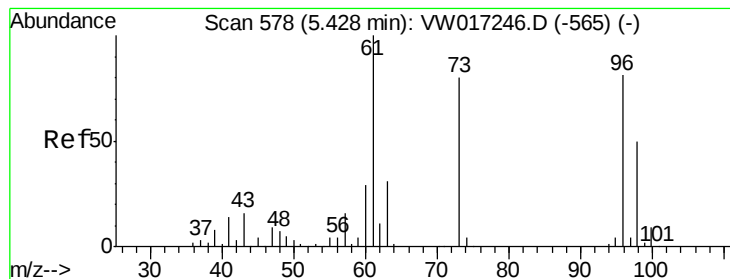
Tgt Ion: 43 Resp: 21076

Ion Ratio Lower Upper

43 100

58 31.8 0.0 69.2





#18

trans-1,2-Dichloroethene

Concen: 0.289 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW017256.D

Acq: 16 Nov 2020 14:56

Instrument :

MSVOA_W

ClientSampled :

GB0Z9

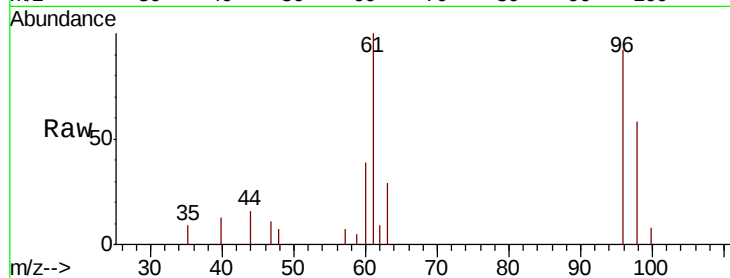
Tot Ion: 96 Resp: 1598

Ion Ratio Lower Upper

96 100

61 108.5 86.8 161.2

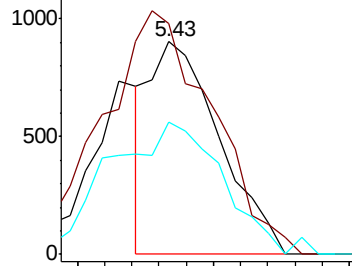
98 62.4 44.4 82.4



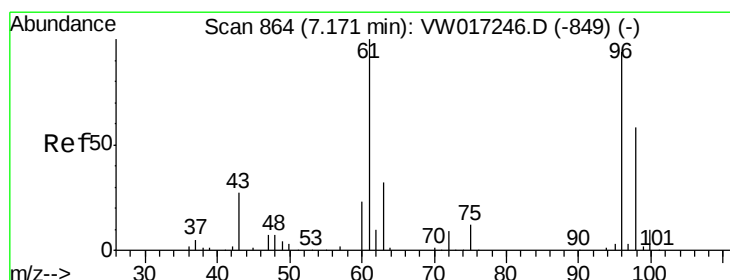
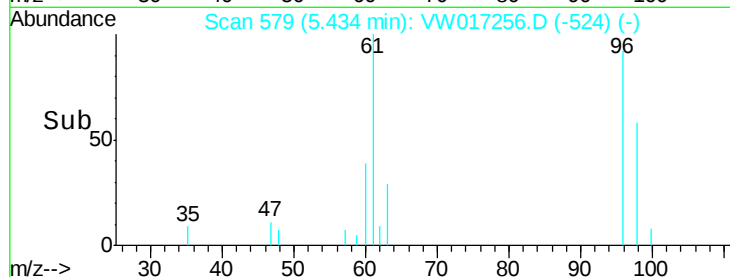
Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW



Time-->



#21

2-Butanone

Concen: 2.923 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW017256.D

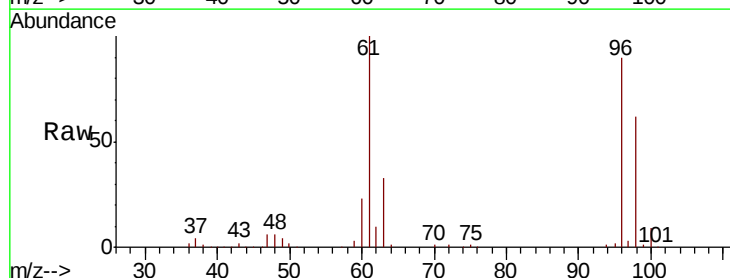
Acq: 16 Nov 2020 14:56

Tgt Ion: 43 Resp: 3809

Ion Ratio Lower Upper

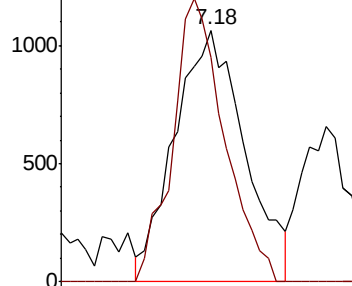
43 100

72 83.6 16.1 48.3#

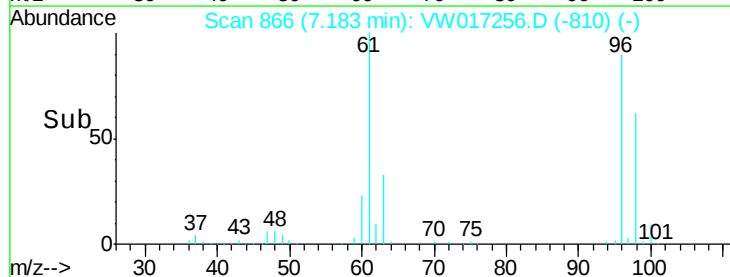


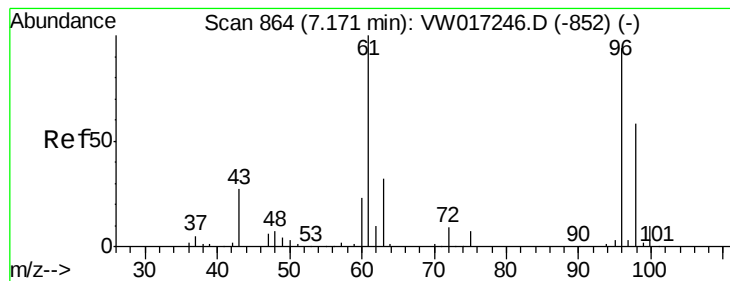
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



Time-->



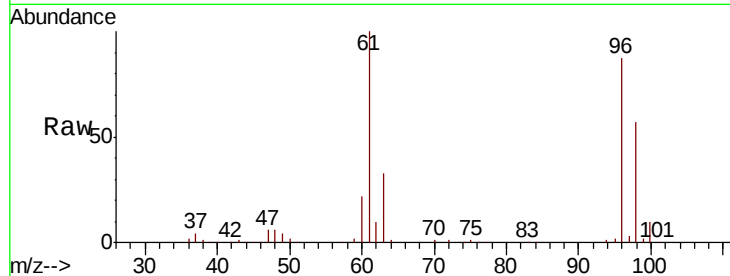


#22

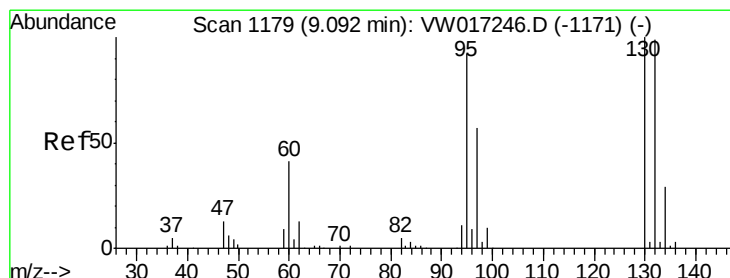
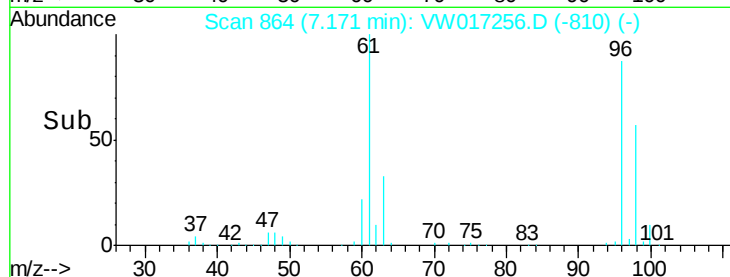
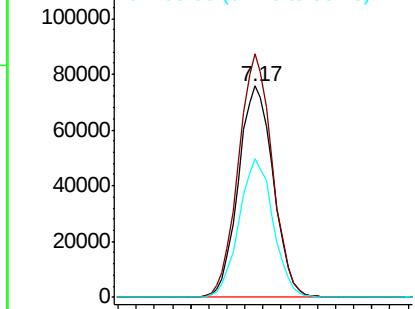
cis-1,2-Dichloroethene
Concen: 34.652 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW017256.D
Acq: 16 Nov 2020 14:56

Instrument :
MSVOA_W
ClientSampleId :
GB0Z9

Tot Ion: 96 Resp: 202568
Ion Ratio Lower Upper
96 100
61 115.2 77.4 143.8
98 65.3 45.1 83.7



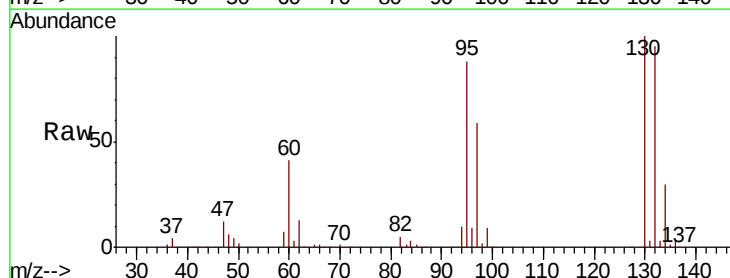
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



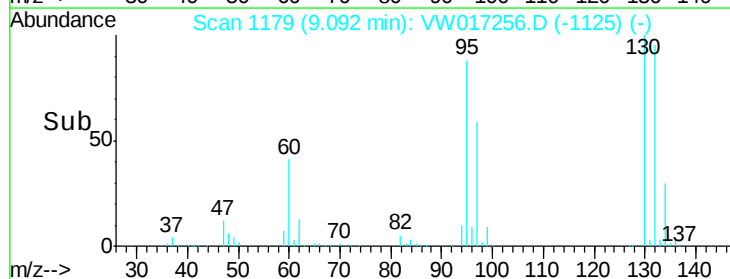
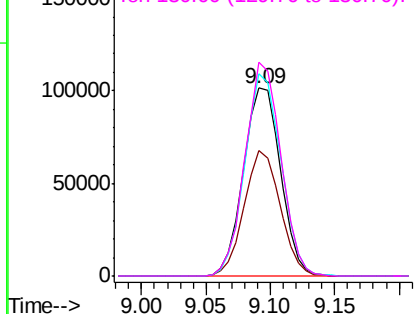
#35

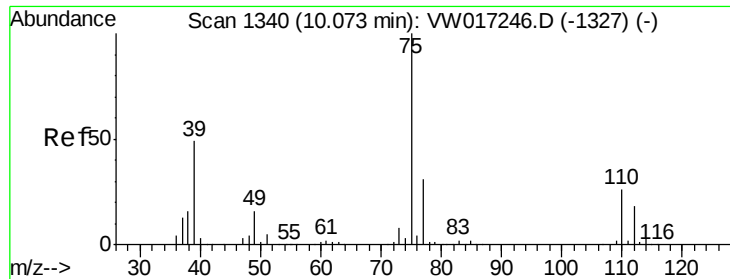
Trichloroethene
Concen: 41.335 ug/L
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW017256.D
Acq: 16 Nov 2020 14:56

Tgt Ion: 95 Resp: 203134
Ion Ratio Lower Upper
95 100
97 64.8 45.0 83.6
132 105.0 73.7 136.9
130 109.1 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

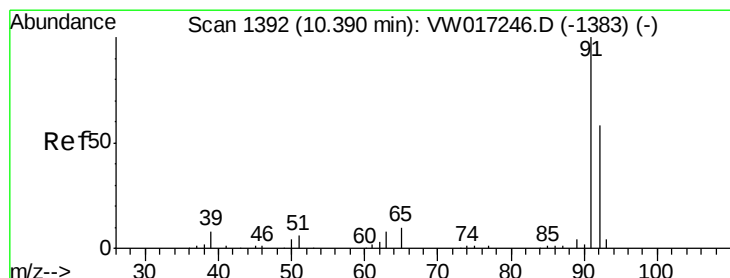
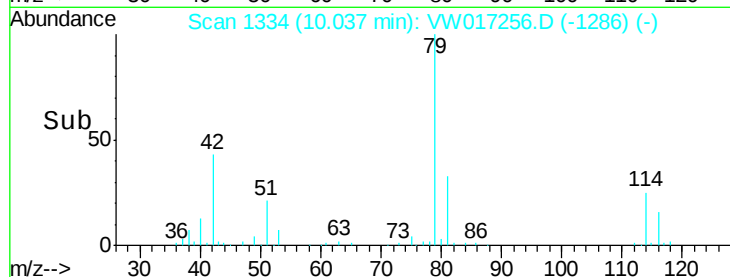
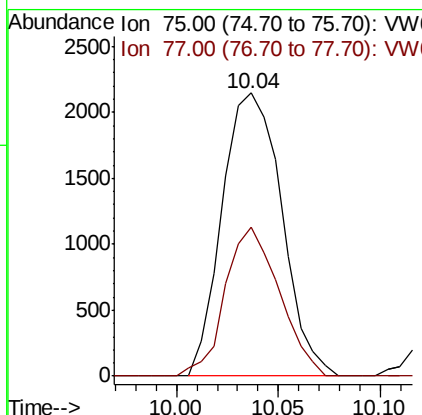
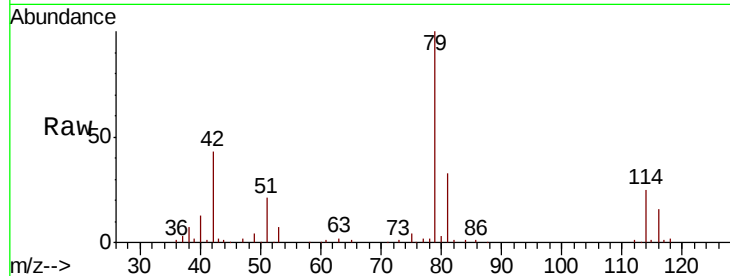




#42
 cis-1,3-Dichloropropene
 Concen: 0.671 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW017256.D
 Acq: 16 Nov 2020 14:56

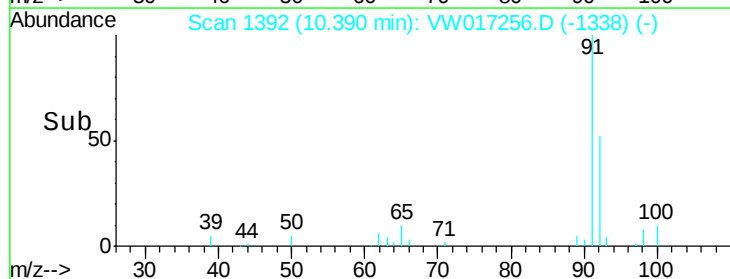
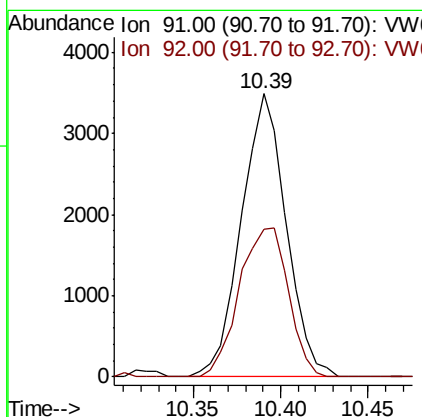
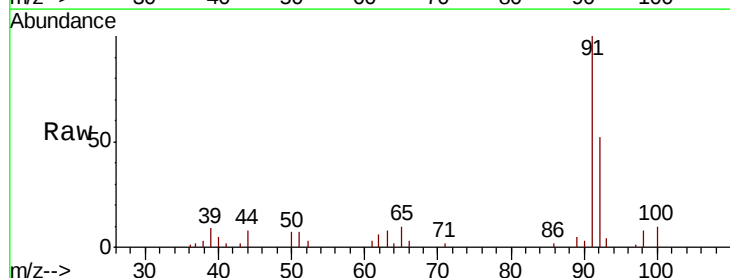
Instrument :
 MSVOA_W
 ClientSampleId :
 GB0Z9

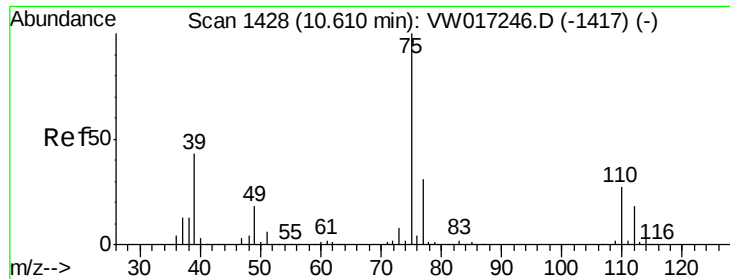
Tot Ion: 75 Resp: 4359
 Ion Ratio Lower Upper
 75 100
 77 52.8 22.0 41.0#



#44
 Toluene
 Concen: 0.322 ug/L
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW017256.D
 Acq: 16 Nov 2020 14:56

Tgt Ion: 91 Resp: 6224
 Ion Ratio Lower Upper
 91 100
 92 52.2 41.4 76.8





#45

trans-1,3-Dichloropropene

Concen: 0.523 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017256.D

Acq: 16 Nov 2020 14:56

Instrument :

MSVOA_W

ClientSampleId :

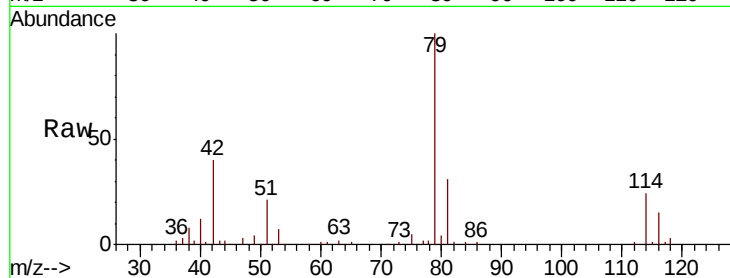
GB0Z9

Tot Ion: 75 Resp: 2916

Ion Ratio Lower Upper

75 100

77 39.0 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.58

1500

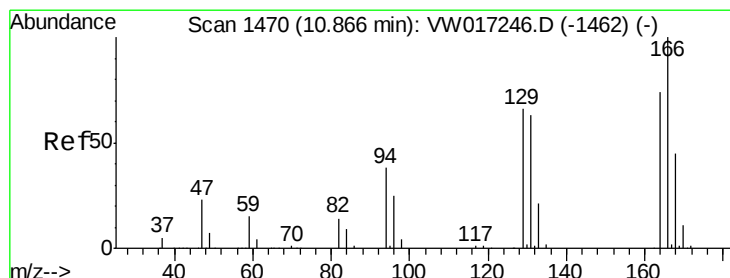
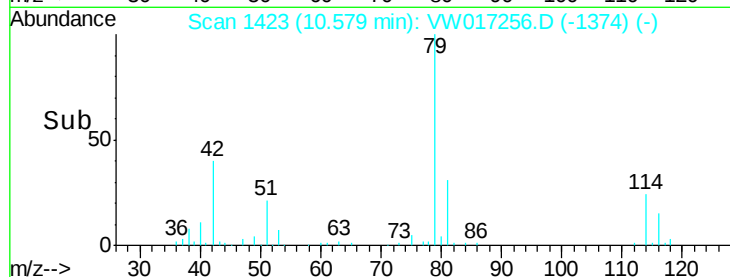
1000

500

0

10.55 10.60 10.65

Time-->



#47

Tetrachloroethene

Concen: 0.332 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW017256.D

Acq: 16 Nov 2020 14:56

Tgt Ion: 164 Resp: 1474

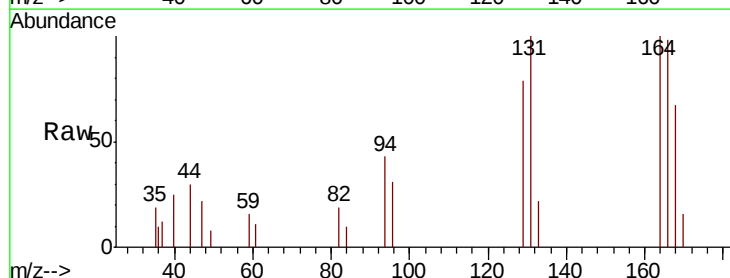
Ion Ratio Lower Upper

164 100

129 79.7 62.9 116.7

131 100.3 63.3 117.5

166 98.0 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

1500

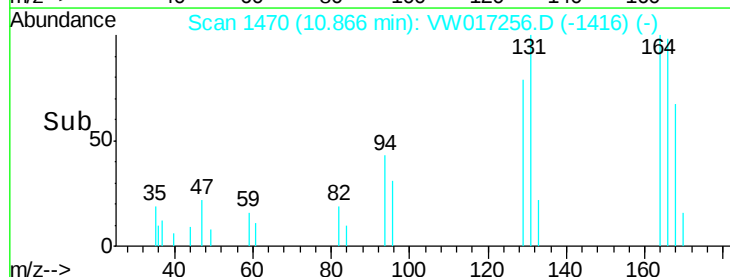
1000

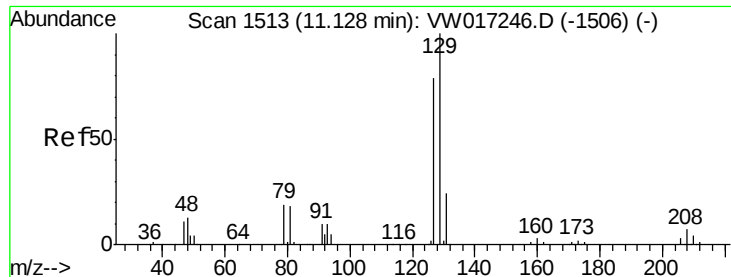
500

0

10.80 10.85 10.90

Time-->





#50

Dibromochloromethane

Concen: 0.268 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.26 min

Lab File: VW017256.D

Acq: 16 Nov 2020 14:56

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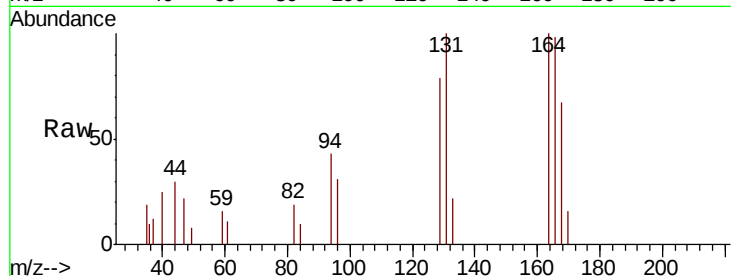
GB0Z9

Tot Ion:129 Resp: 1155

Ion Ratio Lower Upper

129 100

127 0.0 54.3 100.9#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.87

800

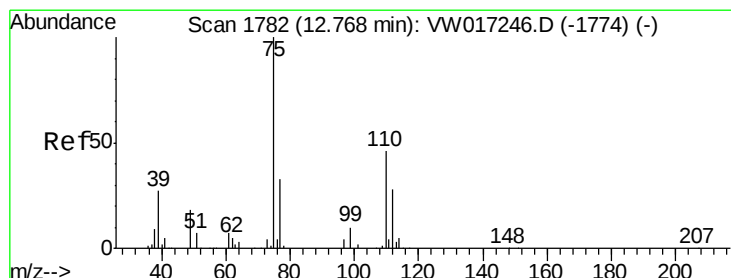
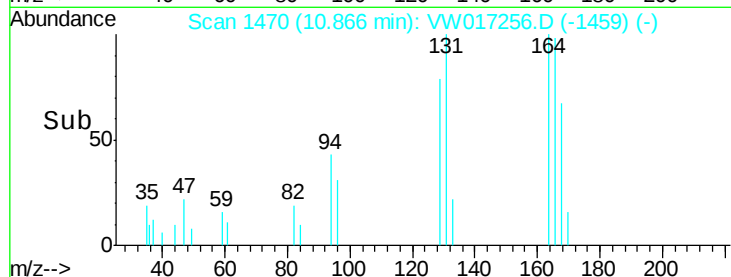
600

400

200

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 3.841 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017256.D

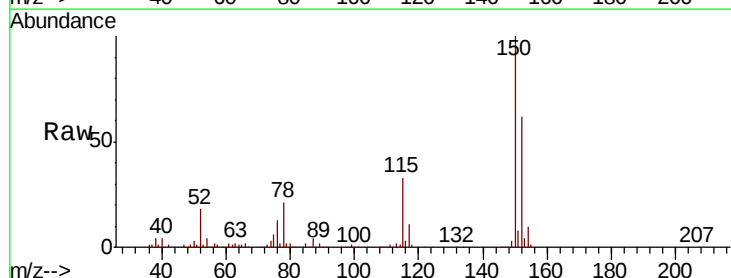
Acq: 16 Nov 2020 14:56

Tgt Ion: 75 Resp: 11277

Ion Ratio Lower Upper

75 100

77 38.2 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

13.56

6000

4000

2000

0

Time-->

