

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111320\
 Data File : VW017219.D
 Acq On : 13 Nov 2020 17:47
 Operator : SY/VA
 Sample : L4711-06
 Misc : 5.12G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0BF3

Quant Time: Nov 16 14:17:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 16 11:48:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	474303	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	361996	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	114882	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	119571	20.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.04%
7) Chloroethane-d5	2.89	69	101243	21.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.96%
10) 1,1-Dichloroethene-d2	4.02	63	167874	15.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.84%
20) 2-Butanone-d5	7.09	46	22699	16.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	33.98%
24) Chloroform-d	7.65	84	245068	22.13	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.52%
26) 1,2-Dichloroethane-d4	8.31	65	119549	21.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.88%
29) Benzene-d6	8.28	84	469694	25.48	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.92%
33) 1,2-Dichloropropane-d6	9.28	67	129850	25.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.88%
37) Toluene-d8	10.32	98	426963	24.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.24%
38) trans-1,3-Dichloropropene-	10.58	79	36555	15.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	63.60%
39) 2-Hexanone-d5	10.93	63	18561	20.86	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	41.72%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	80769	18.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	72.72%
61) 1,2-Dichlorobenzene-d4	13.85	152	88681	21.91	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.64%

Target Compounds

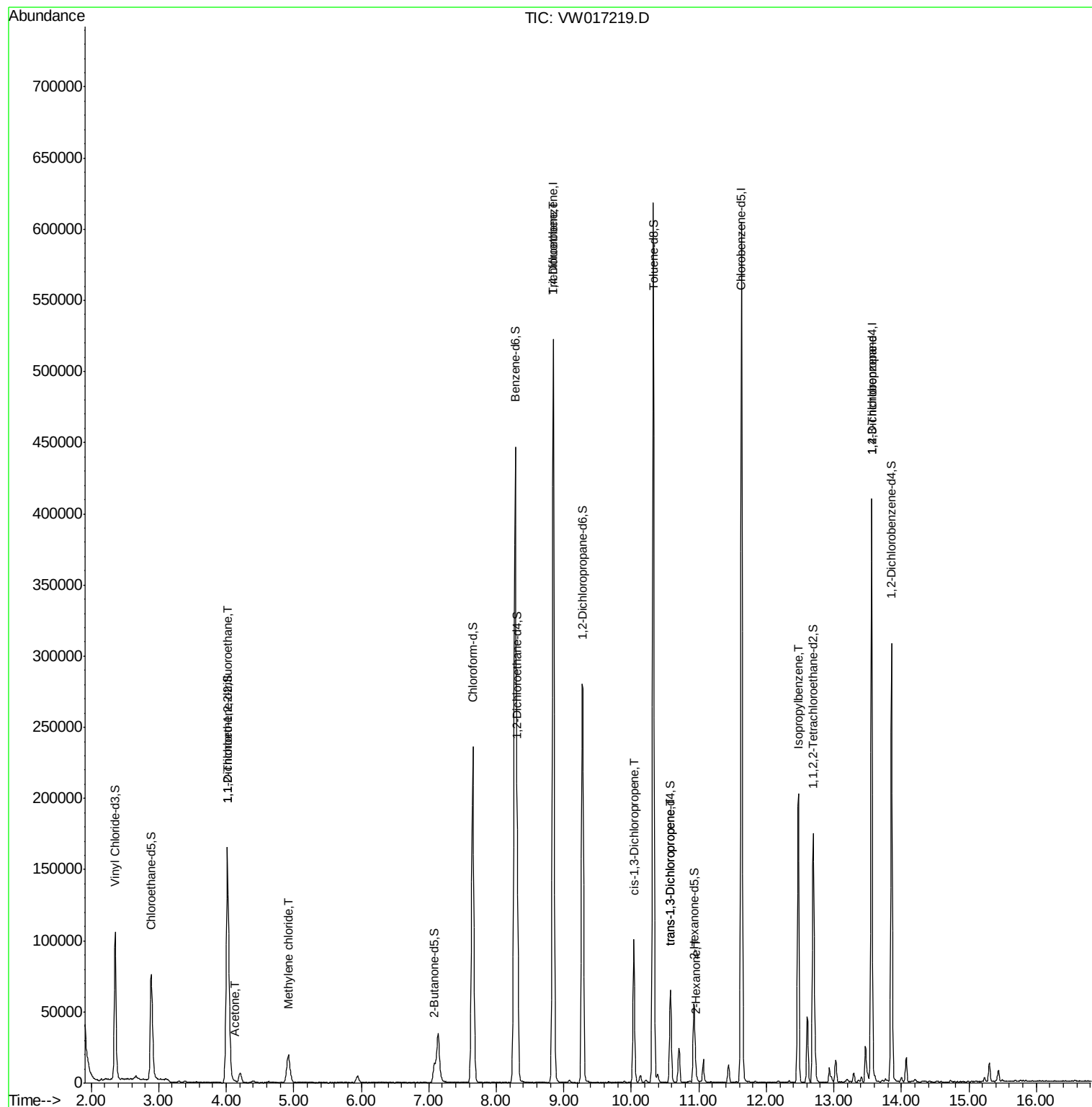
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	4.03	101	1803	0.295	ug/L #	17
13) Acetone	4.14	43	1319	1.475	ug/L	83
16) Methylene chloride	4.92	84	18096	2.830	ug/L	99
35) Trichloroethene	8.85	95	13354	2.508	ug/L #	2
42) cis-1,3-Dichloropropene	10.04	75	2942	0.418	ug/L	83
45) trans-1,3-Dichloropropene	10.58	75	1855	0.307	ug/L #	52
49) 2-Hexanone	10.96	43	6178	3.738	ug/L #	50
57) Isopropylbenzene	12.48	105	9333	0.396	ug/L #	1
59) 1,2,3-Trichloropropane	13.56	75	12318	3.872	ug/L	91

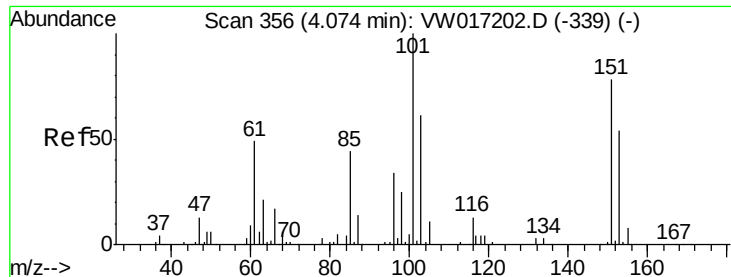
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Mon Nov 16 11:48:24 2020
Response via : Initial Calibration





#11

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

Concen: 0.295 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.05 min

Lab File: VW017219.D

Acq: 13 Nov 2020 17:47

Instrument :

MSVOA_W

ClientSampled :

C0BF3

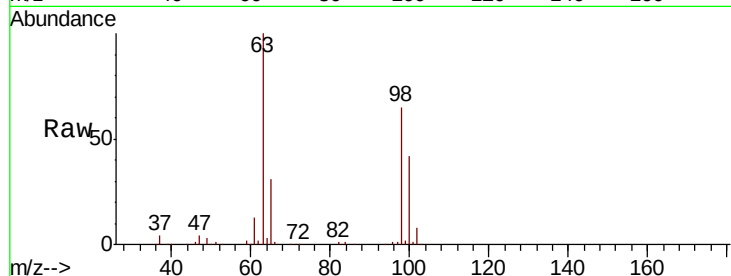
Tot Ion: 101 Resp: 1803

Ion Ratio Lower Upper

101 100

85 0.0 32.8 49.2#

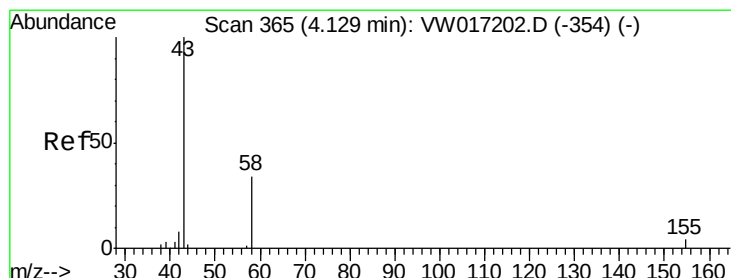
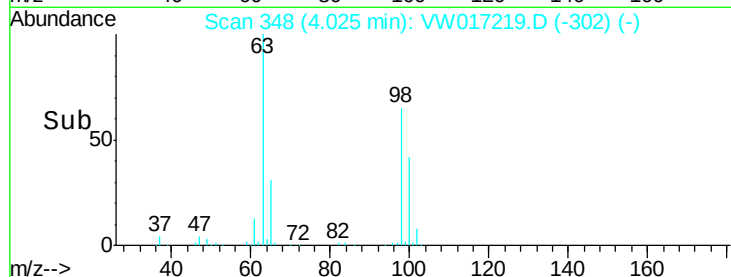
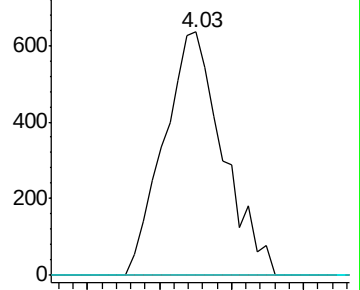
151 0.0 65.4 98.2#



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



#13

Acetone

Concen: 1.475 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW017219.D

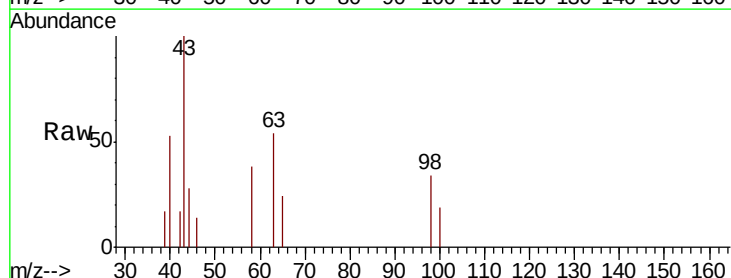
Acq: 13 Nov 2020 17:47

Tgt Ion: 43 Resp: 1319

Ion Ratio Lower Upper

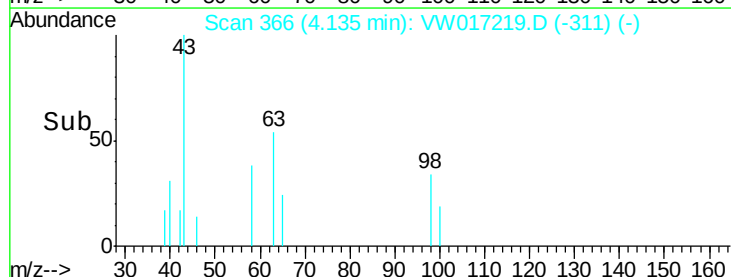
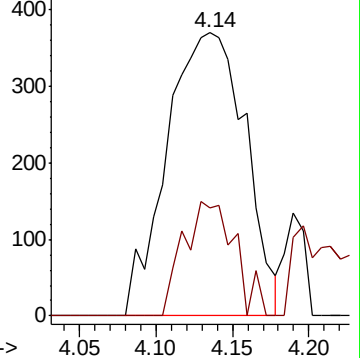
43 100

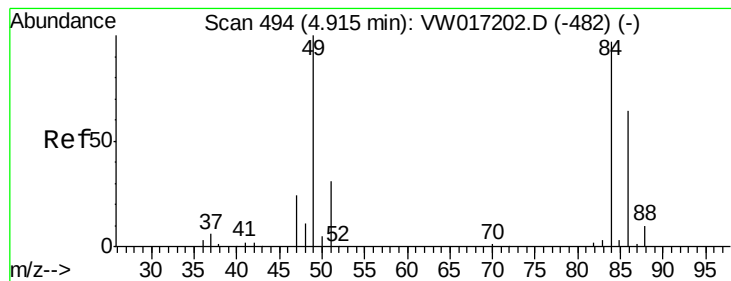
58 24.9 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#16

Methvlene chloride

Concen: 2.830 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW017219.D

Acq: 13 Nov 2020 17:47

Instrument :

MSVOA_W

ClientSampleId :

C0BF3

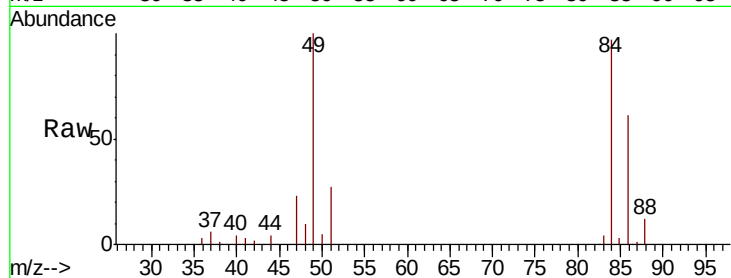
Tot Ion: 84 Resp: 18096

Ion Ratio Lower Upper

84 100

49 103.1 72.3 134.3

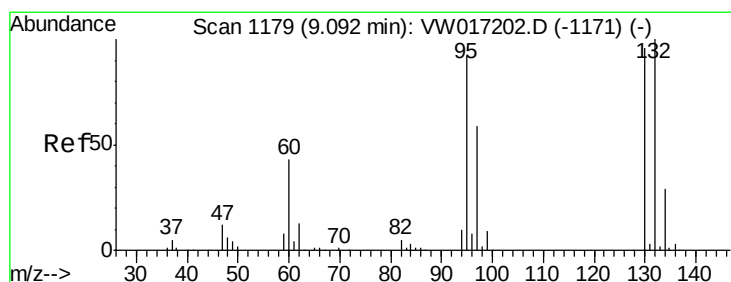
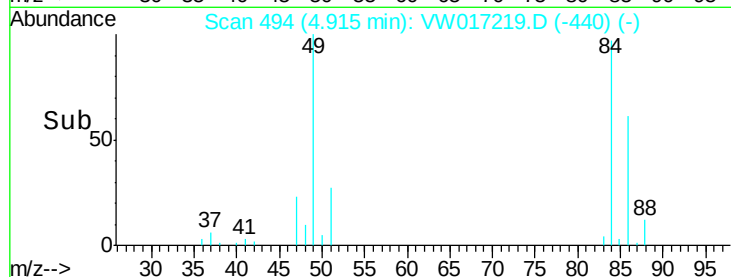
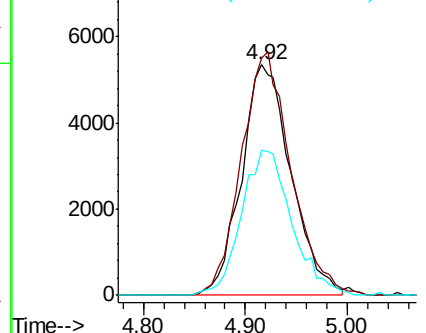
86 63.1 45.1 83.7



Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW



#35

Trichloroethene

Concen: 2.508 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.24 min

Lab File: VW017219.D

Acq: 13 Nov 2020 17:47

Tgt Ion: 95 Resp: 13354

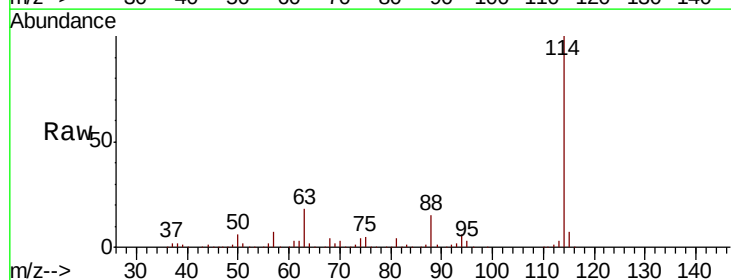
Ion Ratio Lower Upper

95 100

97 0.0 45.0 83.6#

132 0.0 73.7 136.9#

130 0.4 77.1 143.1#

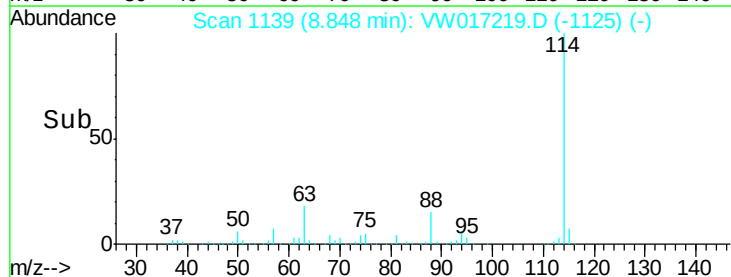
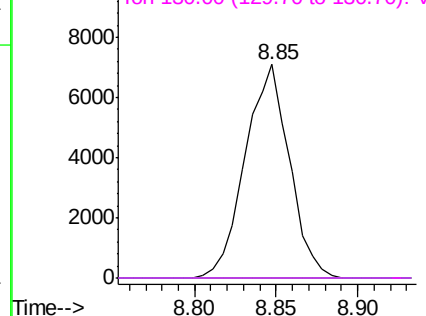


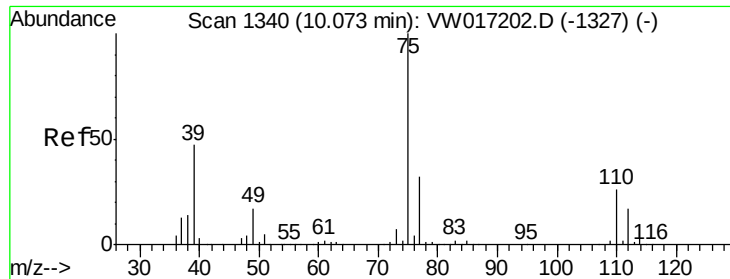
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW





#42

cis-1,3-Dichloropropene

Concen: 0.418 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017219.D

Acq: 13 Nov 2020 17:47

Instrument :

MSVOA_W

ClientSampled :

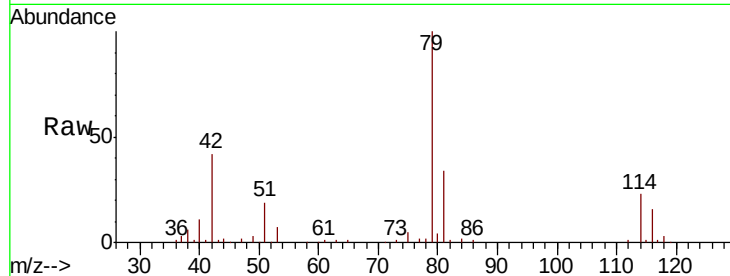
C0BF3

Tot Ion: 75 Resp: 2942

Ion Ratio Lower Upper

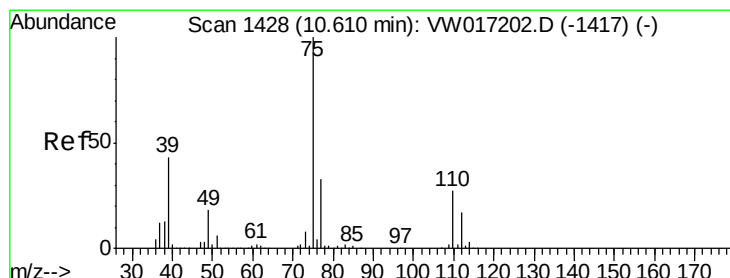
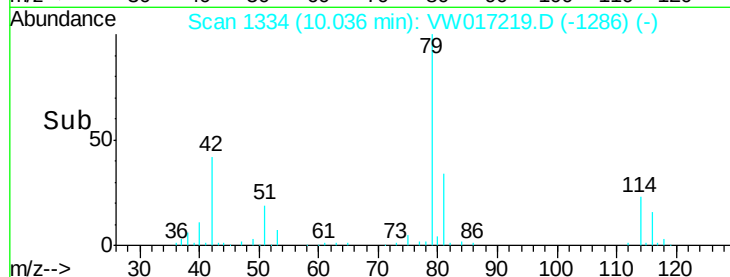
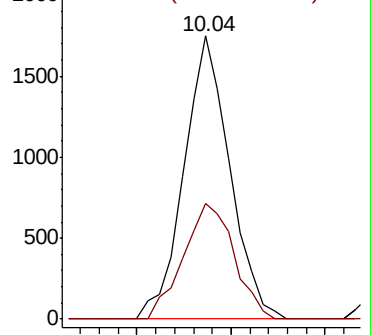
75 100

77 40.8 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#45

trans-1,3-Dichloropropene

Concen: 0.307 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017219.D

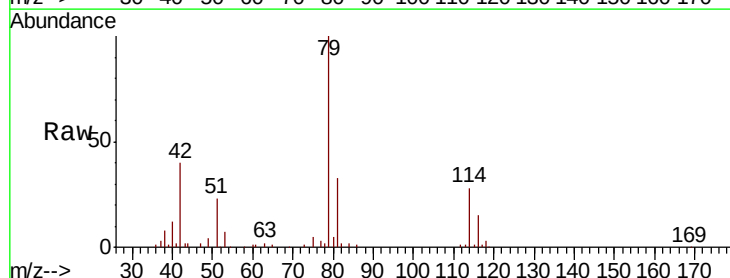
Acq: 13 Nov 2020 17:47

Tgt Ion: 75 Resp: 1855

Ion Ratio Lower Upper

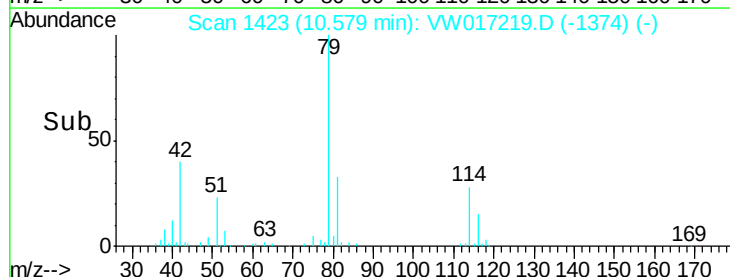
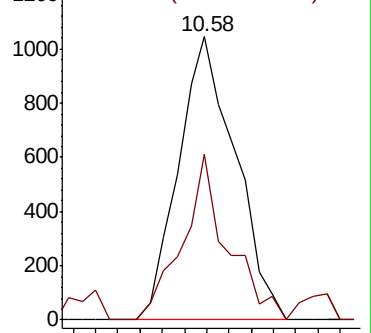
75 100

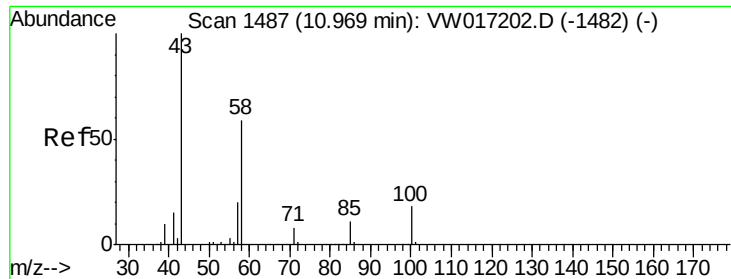
77 58.4 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#49

2-Hexanone

Concen: 3.738 ug/L

RT: 10.96 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VW017219.D

Acq: 13 Nov 2020 17:47

Instrument :

MSVOA_W

ClientSampled :

C0BF3

Tot Ion: 43 Resp: 6178

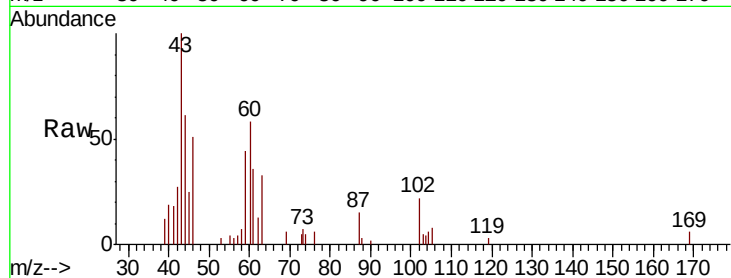
Ion Ratio Lower Upper

43 100

58 14.2 50.6 75.8#

57 12.2 17.8 26.6#

100 1.2 13.9 20.9#

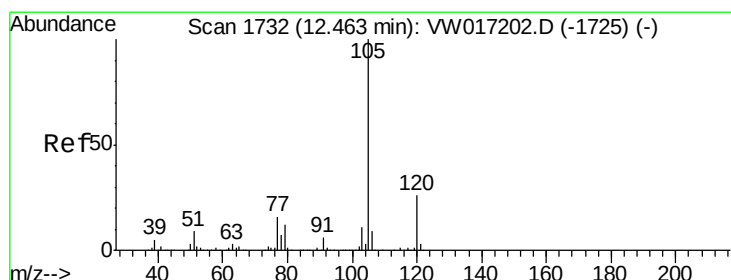
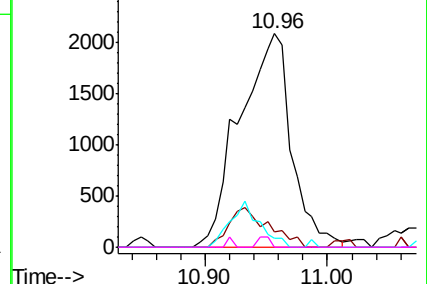
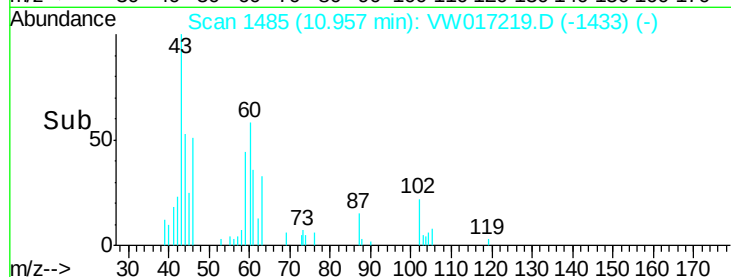


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#57

Isopropylbenzene

Concen: 0.396 ug/L

RT: 12.48 min Scan# 1734

Delta R.T. 0.01 min

Lab File: VW017219.D

Acq: 13 Nov 2020 17:47

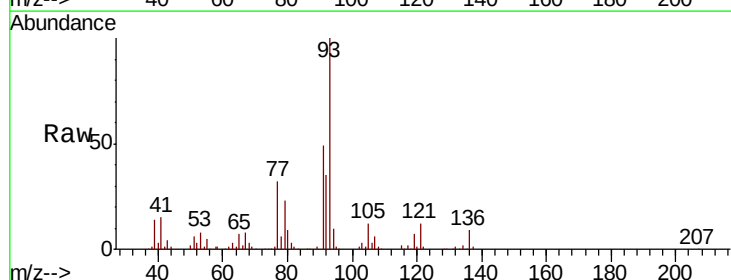
Tgt Ion: 105 Resp: 9333

Ion Ratio Lower Upper

105 100

120 8.1 21.8 32.6#

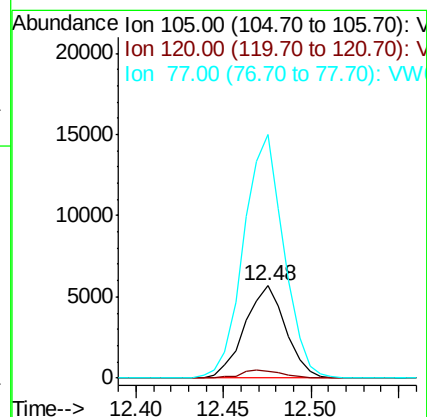
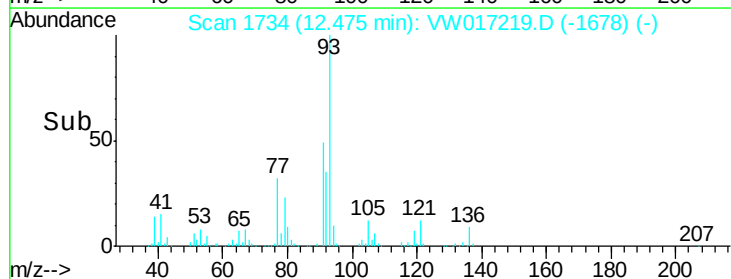
77 255.7 11.4 17.0#

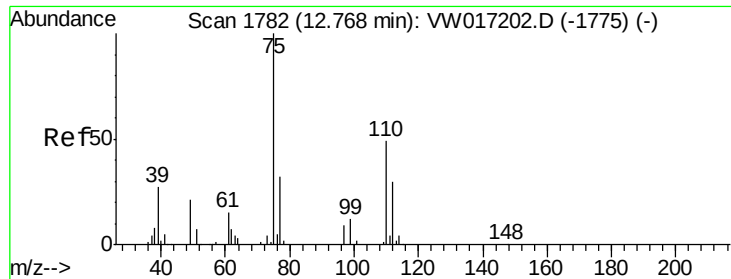


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW





#59

1,2,3-Trichloropropane

Concen: 3.872 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017219.D

Acq: 13 Nov 2020 17:47

Instrument :

MSVOA_W

ClientSampleId :

C0BF3

Tot Ion: 75 Resp: 12318

Ion Ratio Lower Upper

75 100

77 38.1 26.4 39.6

