

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122420\
 Data File : VW017743.D
 Acq On : 24 Dec 2020 17:58
 Operator : SY/VA
 Sample : L5173-12
 Misc : 4.74G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 25 07:48:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 25 07:46:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	371529	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	299449	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	114119	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	106615	18.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.20%
7) Chloroethane-d5	2.89	69	93759	19.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.04%
10) 1,1-Dichloroethene-d2	4.02	63	134763	13.46	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	53.84%
20) 2-Butanone-d5	7.08	46	52004	55.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.64%
24) Chloroform-d	7.65	84	196525	20.24	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	80.96%
26) 1,2-Dichloroethane-d4	8.31	65	112676	22.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.68%
29) Benzene-d6	8.27	84	378803	22.46	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.84%
33) 1,2-Dichloropropane-d6	9.27	67	113700	24.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.80%
37) Toluene-d8	10.32	98	325375	20.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	80.32%
38) trans-1,3-Dichloropropene-	10.58	79	35464	17.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	68.44%
39) 2-Hexanone-d5	10.93	63	36181	61.97	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	123.94%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	84765	24.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	84257	21.20	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.80%

Target Compounds

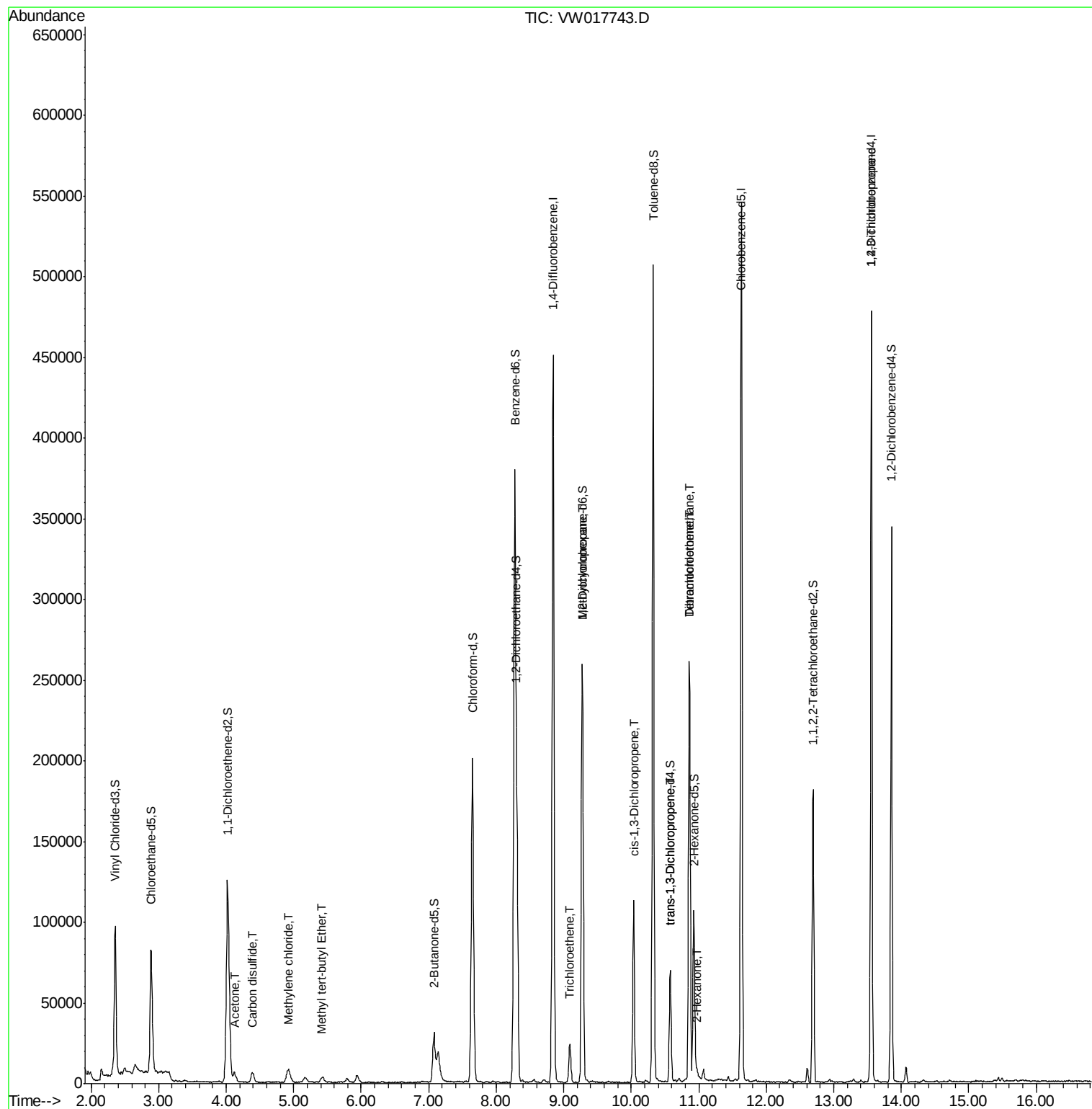
					Ovalue
13) Acetone	4.13	43	10786	13.406	ug/L 98
14) Carbon disulfide	4.39	76	13049	0.954	ug/L 100
16) Methylene chloride	4.93	84	6912	1.301	ug/L 92
17) Methyl tert-butyl Ether	5.41	73	3125	0.539	ug/L # 77
35) Trichloroethene	9.09	95	6829	1.441	ug/L 98
36) Methylcyclohexane	9.27	83	28453	3.434	ug/L # 20
42) cis-1,3-Dichloropropene	10.03	75	3289	0.510	ug/L # 56
45) trans-1,3-Dichloropropene	10.57	75	2255	0.411	ug/L # 71
47) Tetrachloroethene	10.86	164	53812	14.523	ug/L 94
49) 2-Hexanone	10.98	43	1650	1.184	ug/L # 79
50) Dibromochloromethane	10.86	129	52373	14.683	ug/L # 10
59) 1,2,3-Trichloropropane	13.55	75	16028	6.502	ug/L 92

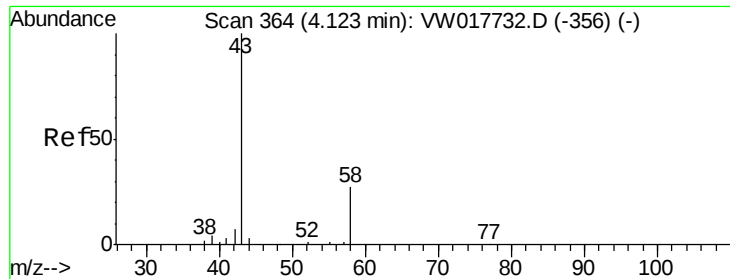
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 25 07:46:43 2020
Response via : Initial Calibration





#13

Acetone

Concen: 13.406 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW017743.D

Acq: 24 Dec 2020 17:58

Instrument :

MSVOA_W

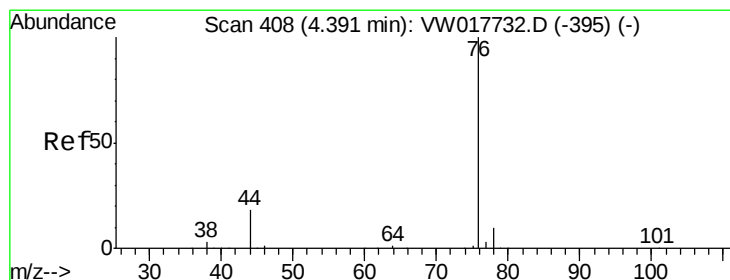
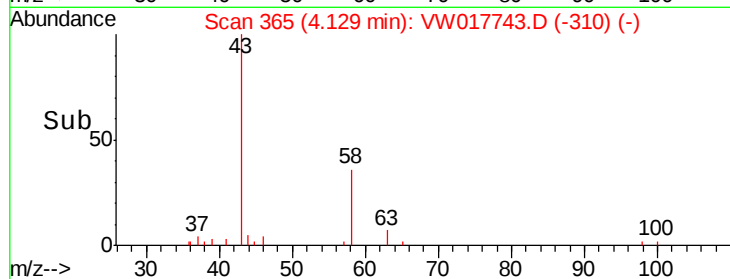
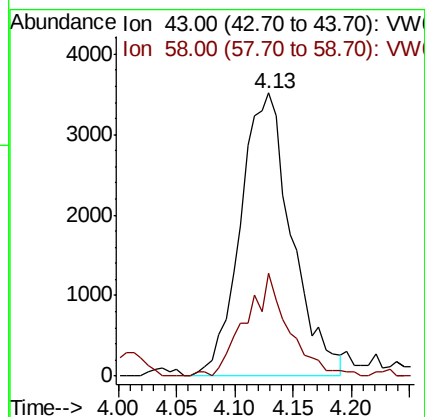
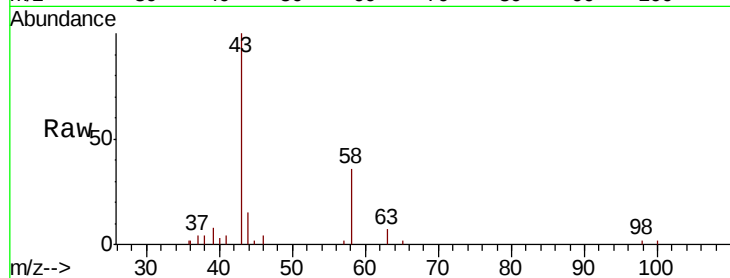
ClientSampled :

Tot Ion: 43 Resp: 10786

Ion Ratio Lower Upper

43 100

58 29.4 0.0 60.8



#14

Carbon disulfide

Concen: 0.954 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW017743.D

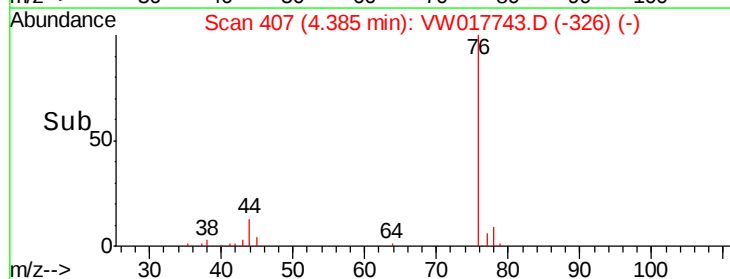
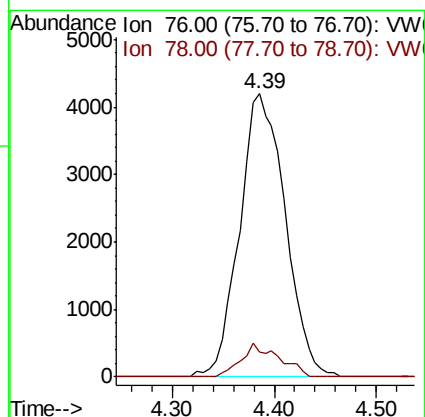
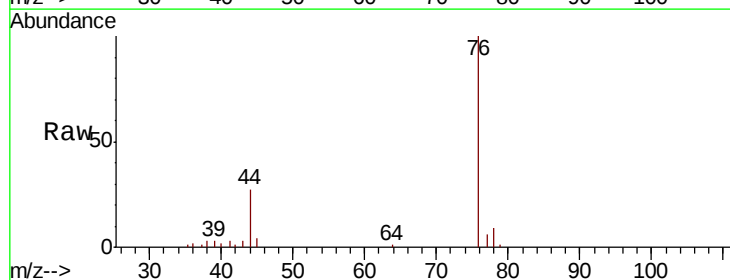
Acq: 24 Dec 2020 17:58

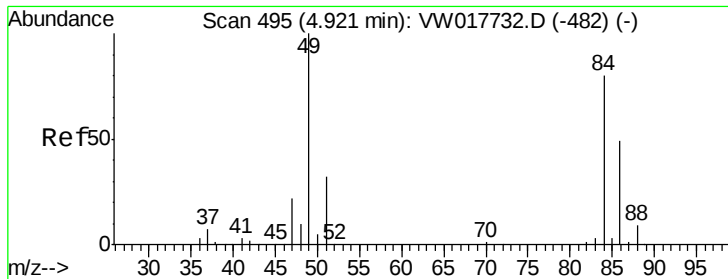
Tgt Ion: 76 Resp: 13049

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

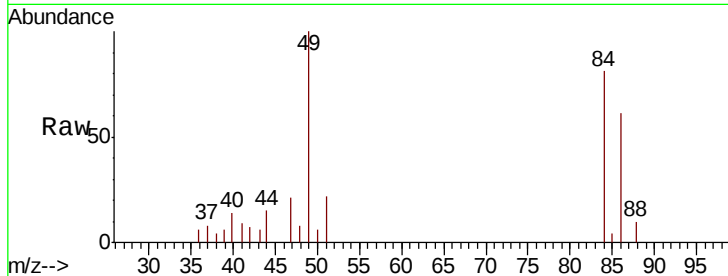




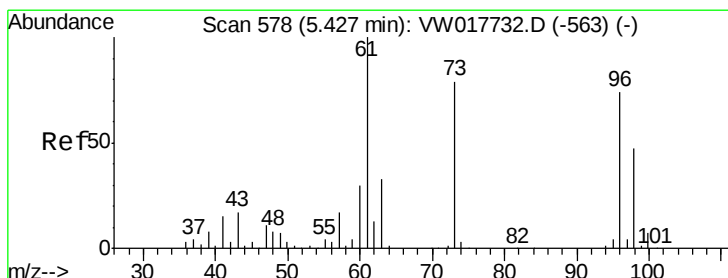
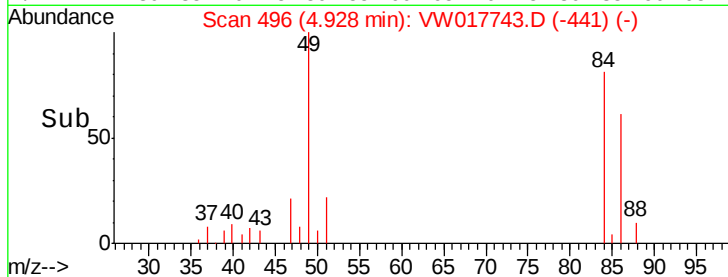
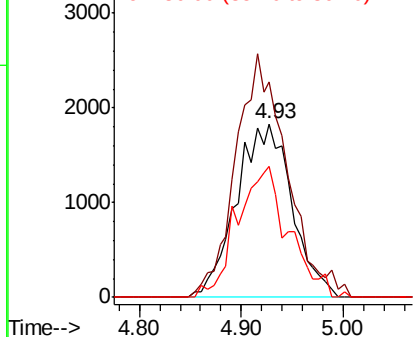
#16
Methylene chloride
Concen: 1.301 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW017743.D
Acq: 24 Dec 2020 17:58

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 84 Resp: 6912
Ion Ratio Lower Upper
84 100
49 124.1 90.5 168.1
86 75.7 44.8 83.2

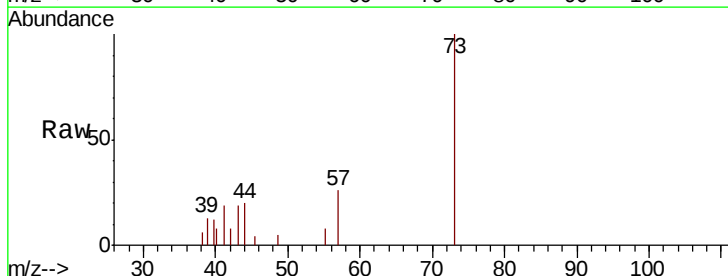


Abundance Ion 84.00 (83.70 to 84.70): VW
Ion 49.00 (48.70 to 49.70): VW
Ion 86.00 (85.70 to 86.70): VW

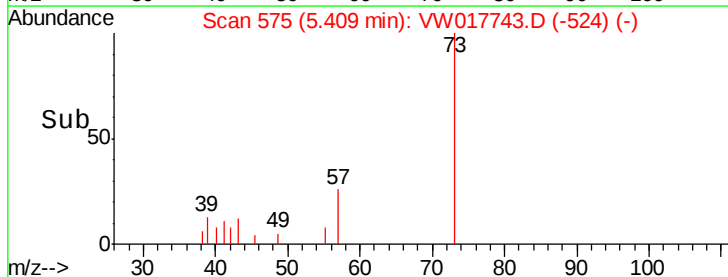
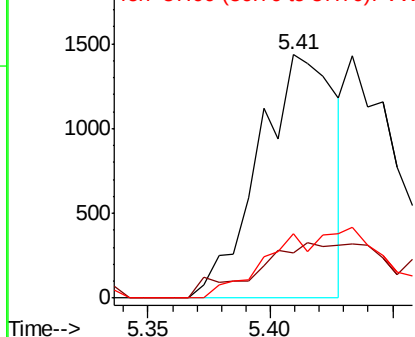


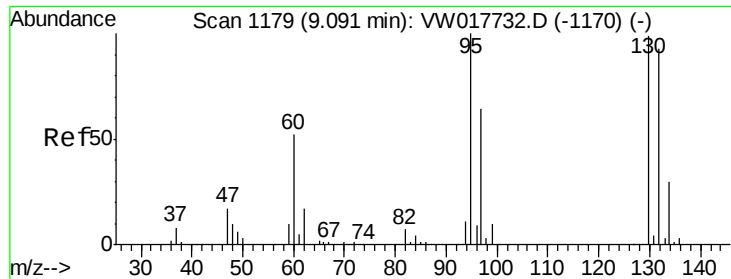
#17
Methyl tert-butyl Ether
Concen: 0.539 ug/L
RT: 5.41 min Scan# 575
Delta R.T. -0.02 min
Lab File: VW017743.D
Acq: 24 Dec 2020 17:58

Tgt Ion: 73 Resp: 3125
Ion Ratio Lower Upper
73 100
43 10.5 17.1 25.7#
57 10.0 16.6 25.0#



Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW





#35

Trichloroethene

Concen: 1.441 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW017743.D

Acq: 24 Dec 2020 17:58

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 95 Resp: 6829

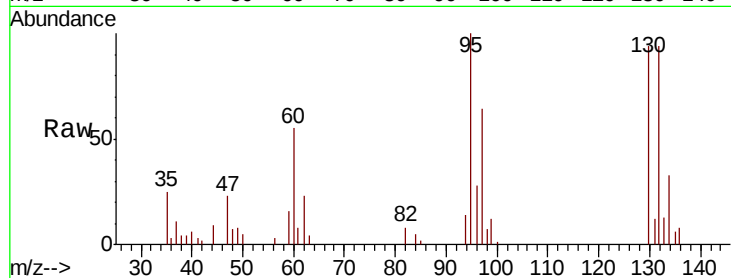
Ion Ratio Lower Upper

95 100

97 66.6 46.8 87.0

132 99.8 68.3 126.9

130 98.4 71.8 133.4



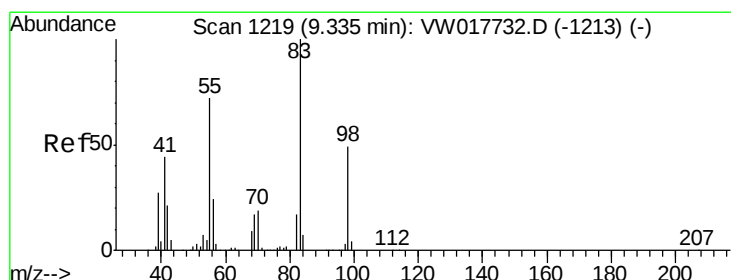
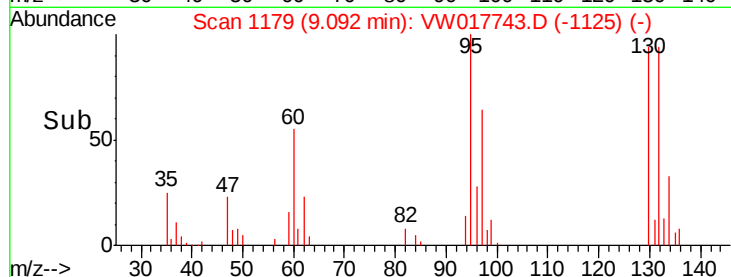
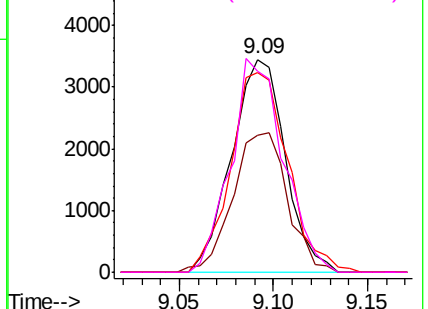
Abundance

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



#36

Methylcyclohexane

Concen: 3.434 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.06 min

Lab File: VW017743.D

Acq: 24 Dec 2020 17:58

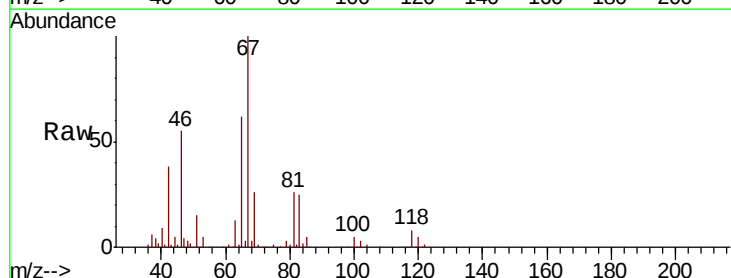
Tgt Ion: 83 Resp: 28453

Ion Ratio Lower Upper

83 100

55 0.4 57.6 86.4#

98 1.4 39.7 59.5#

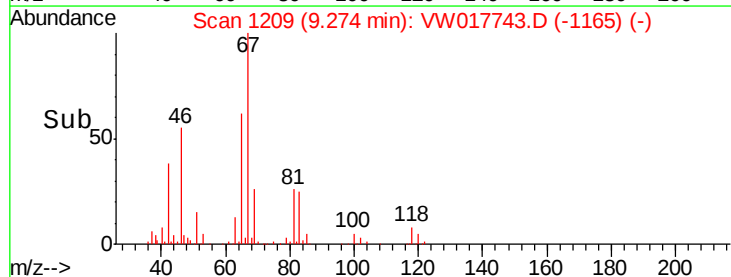
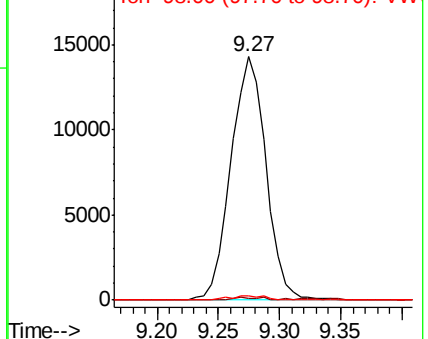


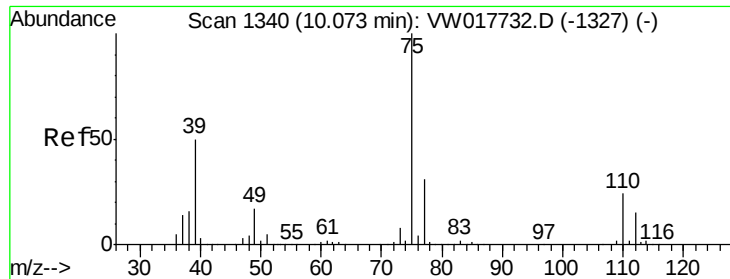
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#42

cis-1,3-Dichloropropene

Concen: 0.510 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW017743.D

Acq: 24 Dec 2020 17:58

Instrument :

MSVOA_W

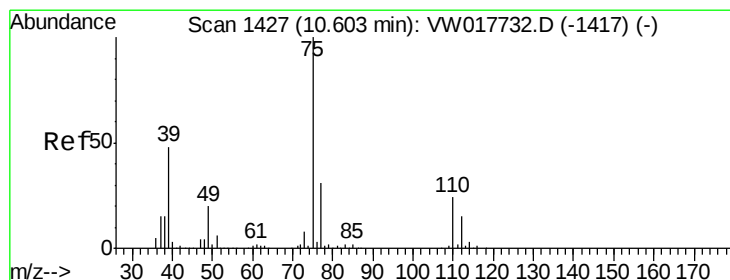
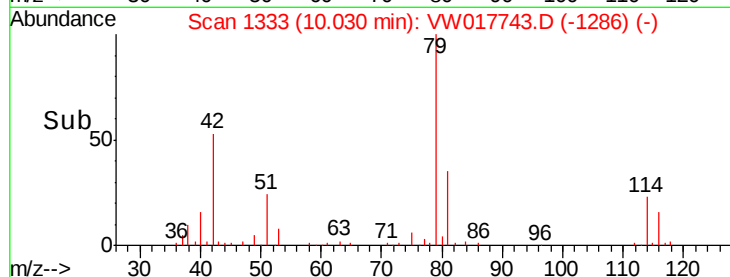
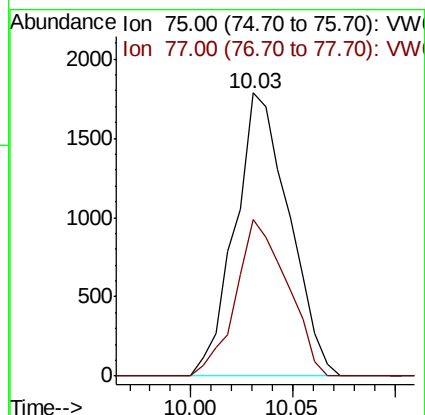
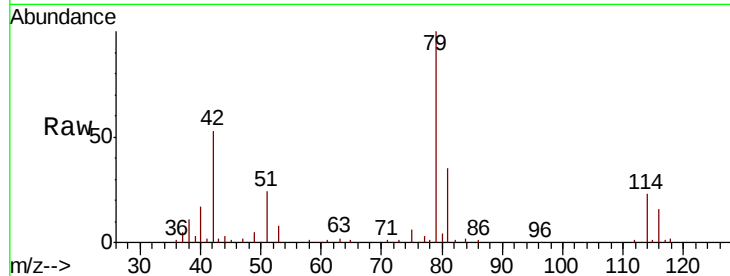
ClientSampled :

Tot Ion: 75 Resp: 3289

Ion Ratio Lower Upper

75 100

77 55.2 21.6 40.2#



#45

trans-1,3-Dichloropropene

Concen: 0.411 ug/L

RT: 10.57 min Scan# 1422

Delta R.T. -0.03 min

Lab File: VW017743.D

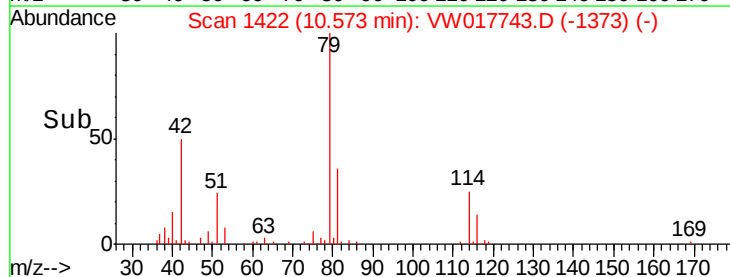
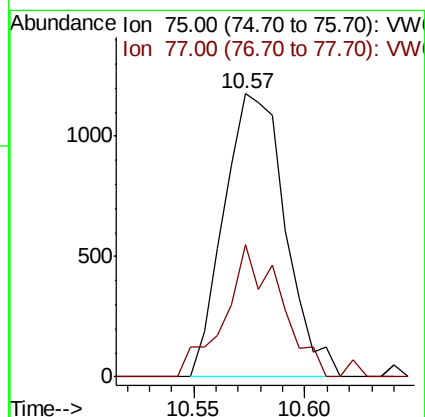
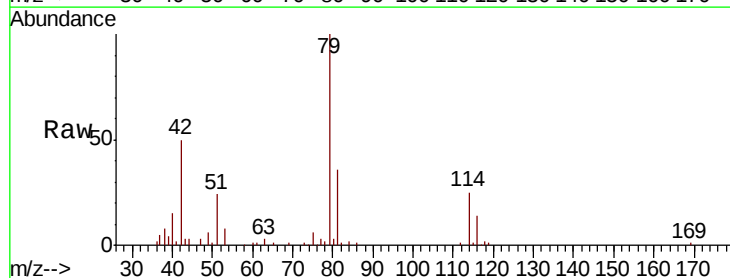
Acq: 24 Dec 2020 17:58

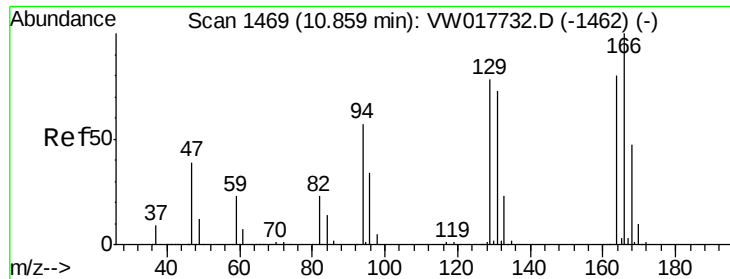
Tgt Ion: 75 Resp: 2255

Ion Ratio Lower Upper

75 100

77 46.7 21.6 40.0#





#47

Tetrachloroethene

Concen: 14.523 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW017743.D

Acq: 24 Dec 2020 17:58

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:164 Resp: 53812

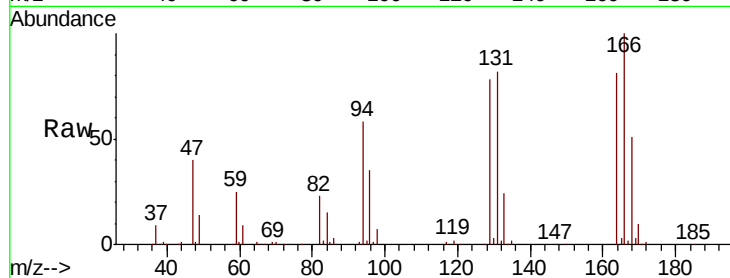
Ion Ratio Lower Upper

164 100

129 96.6 62.9 116.9

131 101.1 63.8 118.6

166 123.1 87.4 162.2

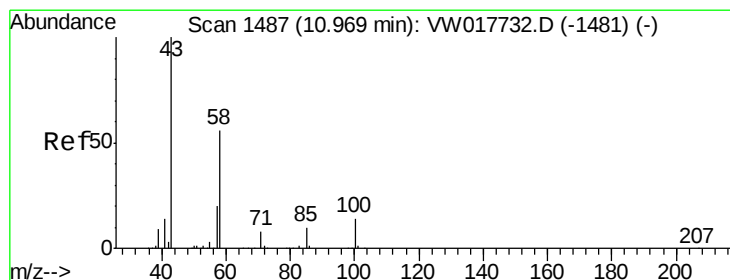
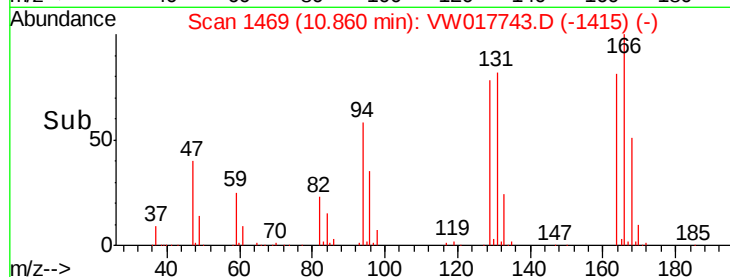
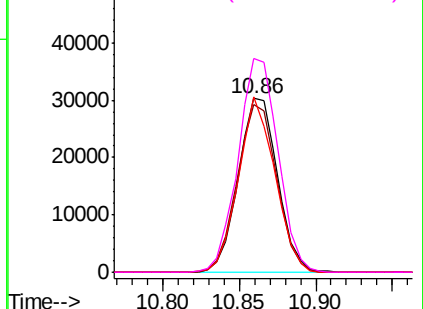


Abundance Ion 164.00 (163.70 to 164.70): V

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



#49

2-Hexanone

Concen: 1.184 ug/L

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW017743.D

Acq: 24 Dec 2020 17:58

Tgt Ion: 43 Resp: 1650

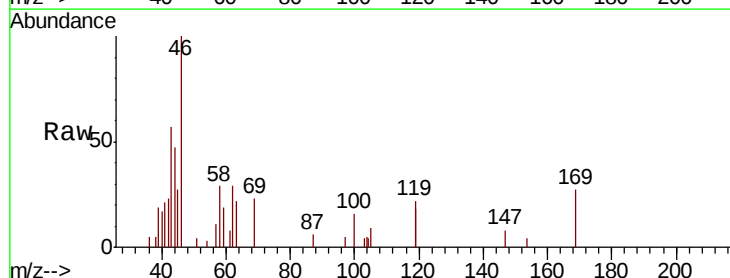
Ion Ratio Lower Upper

43 100

58 65.6 44.2 66.4

57 0.0 16.1 24.1#

100 18.7 11.0 16.4#

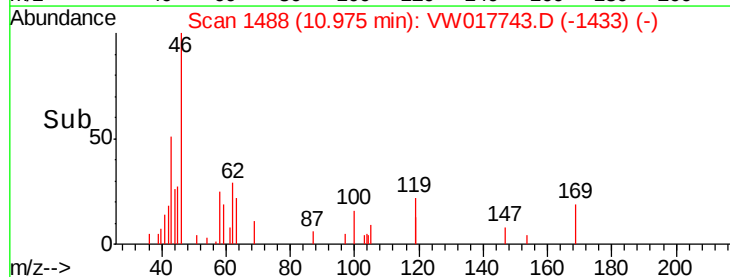
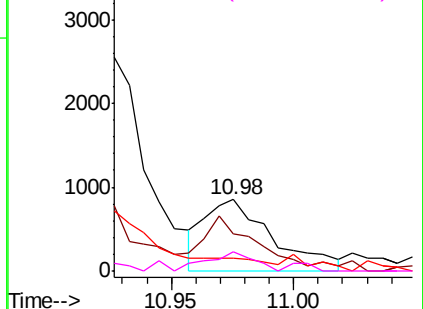


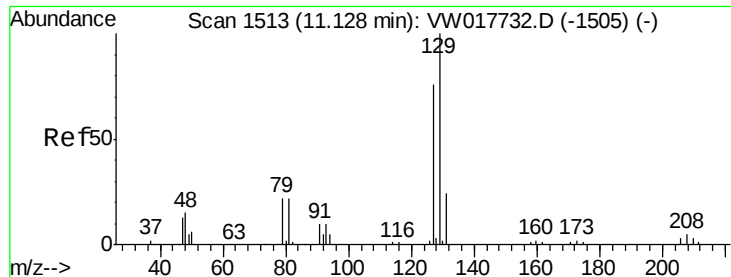
Abundance Ion 43.00 (42.70 to 43.70): VW

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





#50

Dibromochloromethane

Concen: 14.683 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW017743.D

Acq: 24 Dec 2020 17:58

Instrument :

MSVOA_W

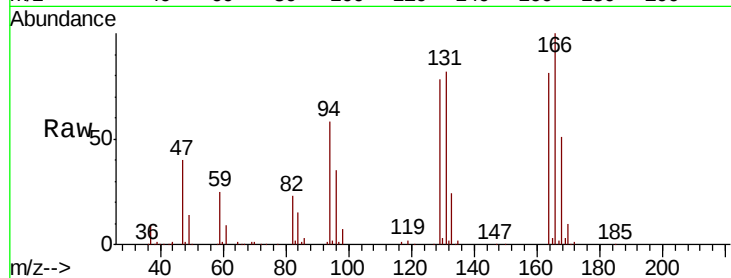
ClientSampled :

Tot Ion:129 Resp: 52373

Ion Ratio Lower Upper

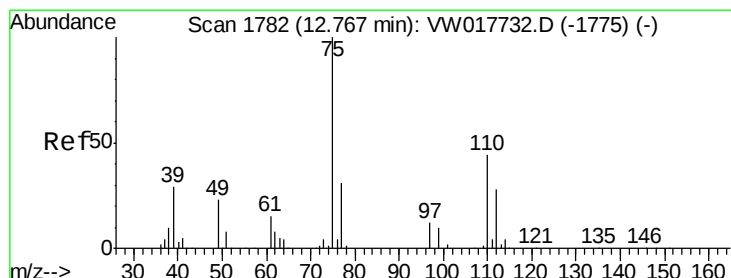
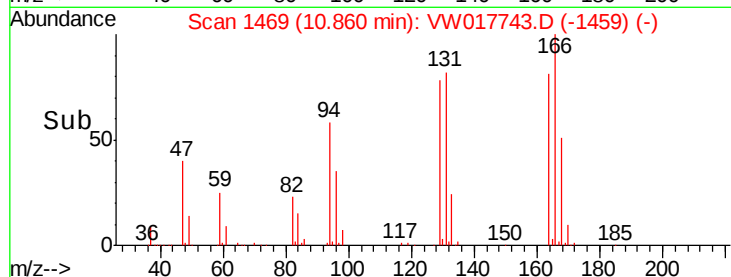
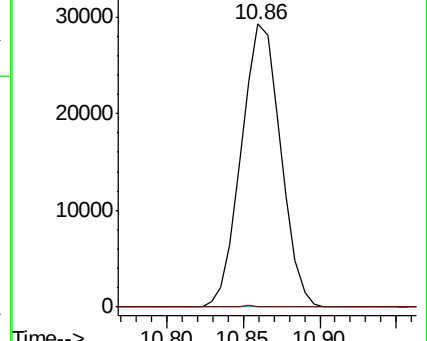
129 100

127 0.3 56.1 104.3#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#59

1,2,3-Trichloropropane

Concen: 6.502 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW017743.D

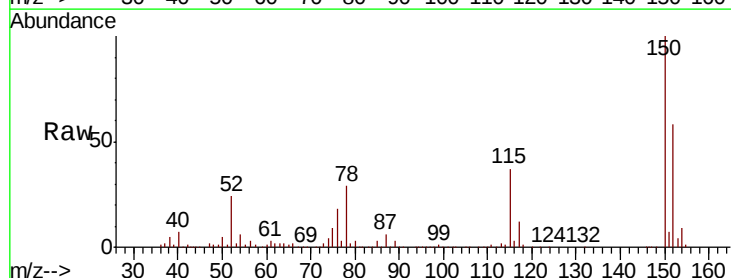
Acq: 24 Dec 2020 17:58

Tgt Ion: 75 Resp: 16028

Ion Ratio Lower Upper

75 100

77 35.9 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

