

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122420\
 Data File : VW017748.D
 Acq On : 24 Dec 2020 20:20
 Operator : SY/VA
 Sample : L5173-12
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 25 07:50:17 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	337001	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	275224	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	92111	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	131830	25.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.12%
7) Chloroethane-d5	2.89	69	112711	26.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.76%
10) 1,1-Dichloroethene-d2	4.03	63	171574	18.89	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.56%
20) 2-Butanone-d5	7.07	46	52418	62.02	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	124.04%
24) Chloroform-d	7.65	84	226594	25.73	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.92%
26) 1,2-Dichloroethane-d4	8.31	65	128295	28.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	112.60%
29) Benzene-d6	8.27	84	444824	28.69	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	114.76%
33) 1,2-Dichloropropane-d6	9.27	67	128098	29.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	119.92%
37) Toluene-d8	10.32	98	406341	27.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	109.16%
38) trans-1,3-Dichloropropene-	10.58	79	50823	26.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.72%
39) 2-Hexanone-d5	10.93	63	35604	66.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	132.68%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	92485	29.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	116.60%
61) 1,2-Dichlorobenzene-d4	13.85	152	87350	27.23	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.92%

Target Compounds

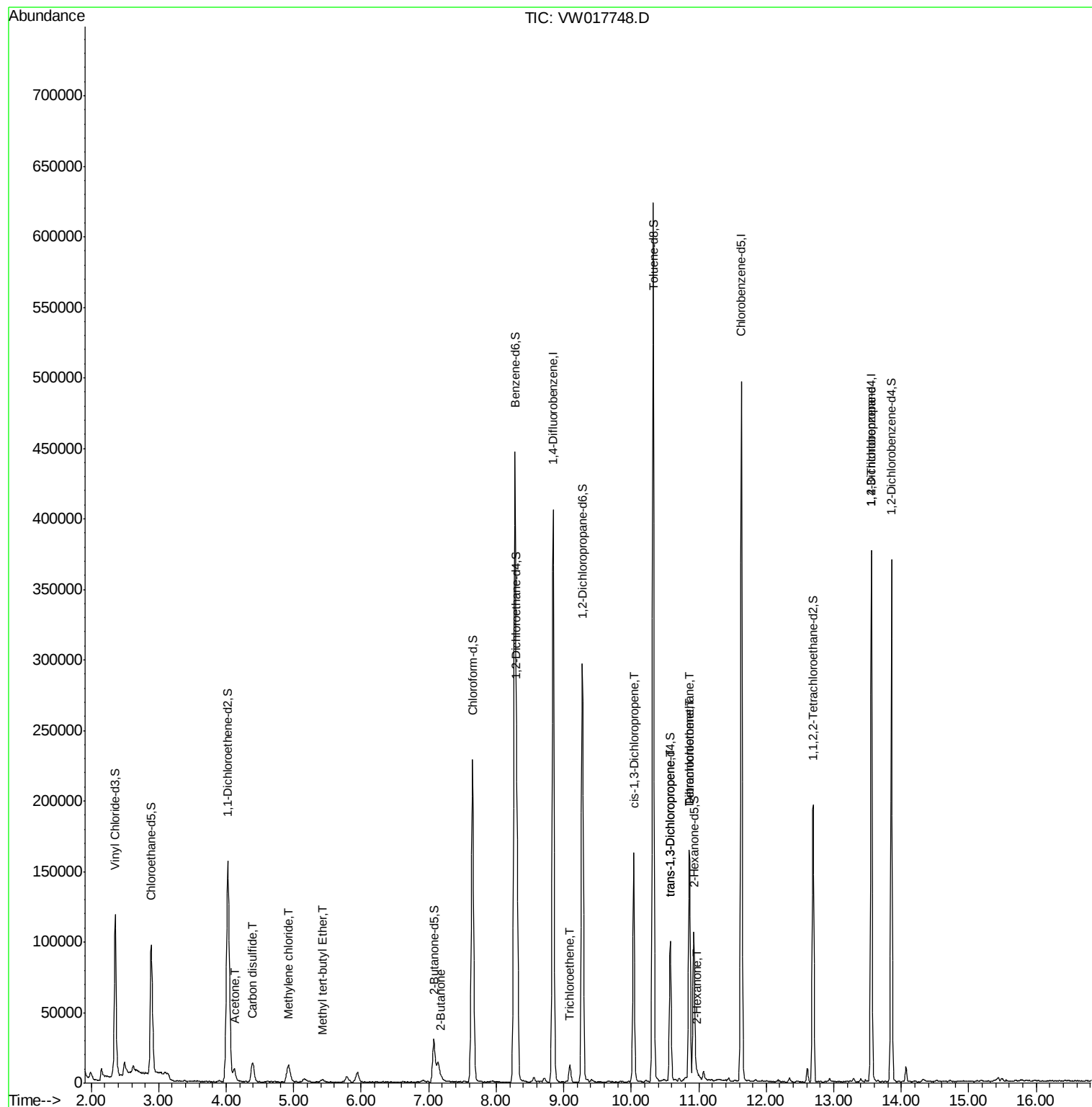
					Ovalue
13) Acetone	4.12	43	15300	20.965	ug/L 100
14) Carbon disulfide	4.39	76	29744	2.398	ug/L # 93
16) Methylene chloride	4.92	84	10133	2.103	ug/L 85
17) Methyl tert-butyl Ether	5.42	73	1665	0.316	ug/L # 89
21) 2-Butanone	7.18	43	3804	3.875	ug/L 79
35) Trichloroethene	9.09	95	3056	0.702	ug/L 94
42) cis-1,3-Dichloropropene	10.04	75	4939	0.833	ug/L # 81
45) trans-1,3-Dichloropropene	10.58	75	2975	0.589	ug/L # 61
47) Tetrachloroethene	10.86	164	33845	9.938	ug/L 96
49) 2-Hexanone	10.98	43	611	0.477	ug/L # 1
50) Dibromochloromethane	10.86	129	33817	10.315	ug/L # 9
59) 1,2,3-Trichloropropane	13.56	75	13148	5.803	ug/L 93

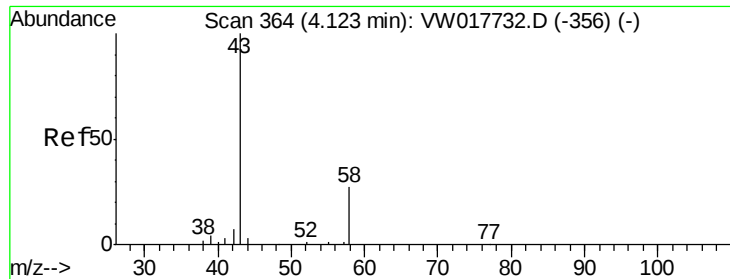
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Dec 25 07:46:43 2020
Response via : Initial Calibration





#13

Acetone

Concen: 20.965 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW017748.D

Acq: 24 Dec 2020 20:20

Instrument :

MSVOA_W

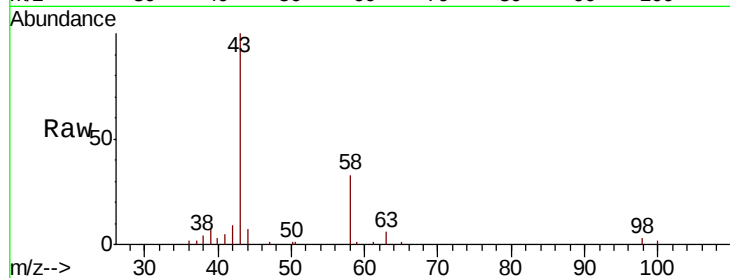
ClientSampled :

Tot Ion: 43 Resp: 15300

Ion Ratio Lower Upper

43 100

58 30.2 0.0 60.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

6000

5000

4000

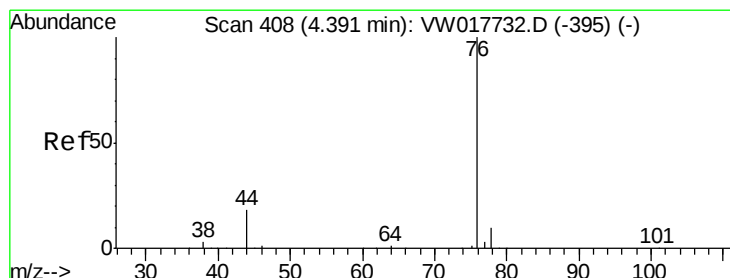
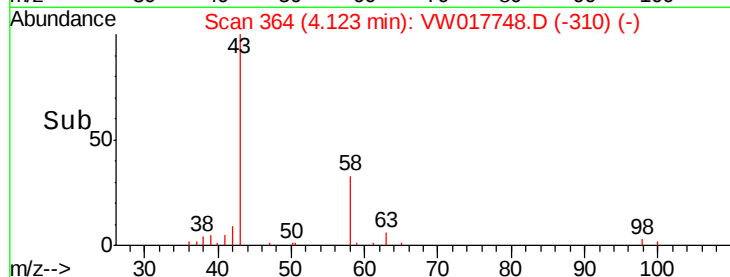
3000

2000

1000

0

Time--> 4.00 4.05 4.10 4.15 4.20



#14

Carbon disulfide

Concen: 2.398 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW017748.D

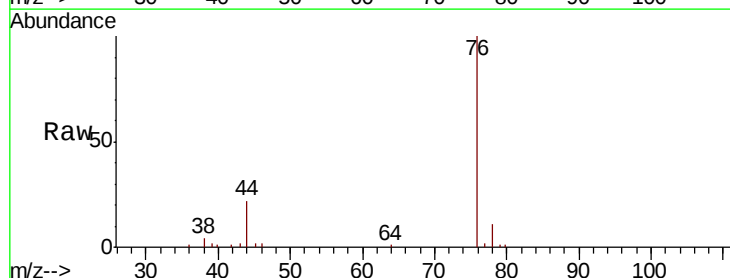
Acq: 24 Dec 2020 20:20

Tgt Ion: 76 Resp: 29744

Ion Ratio Lower Upper

76 100

78 11.4 7.1 10.7#



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.39

10000

8000

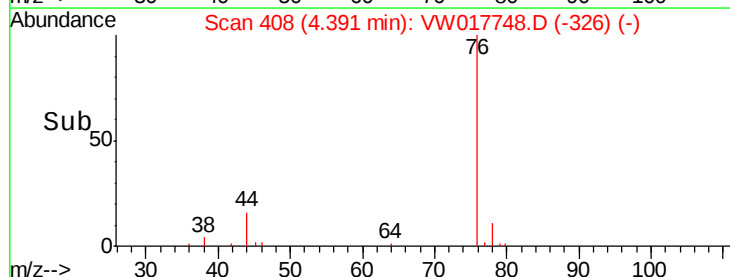
6000

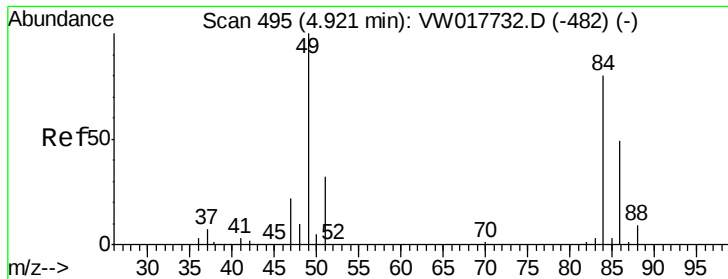
4000

2000

0

Time--> 4.30 4.40 4.50

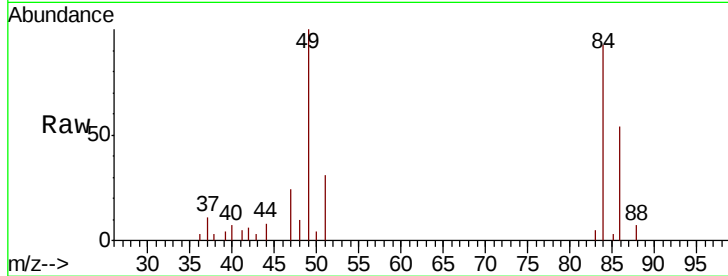




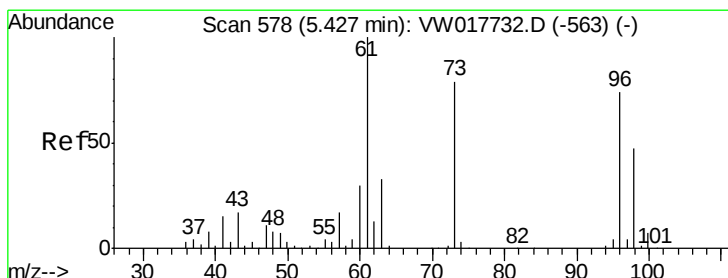
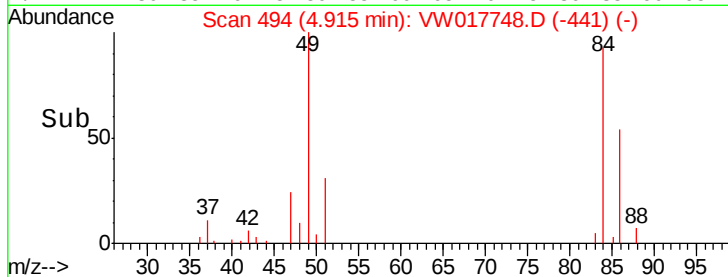
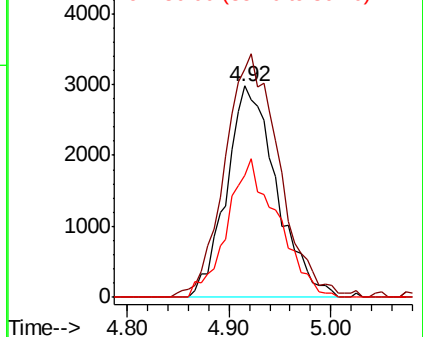
#16
Methylene chloride
Concen: 2.103 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW017748.D
Acq: 24 Dec 2020 20:20

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 84 Resp: 10133
Ion Ratio Lower Upper
84 100
49 107.7 90.5 168.1
86 57.8 44.8 83.2

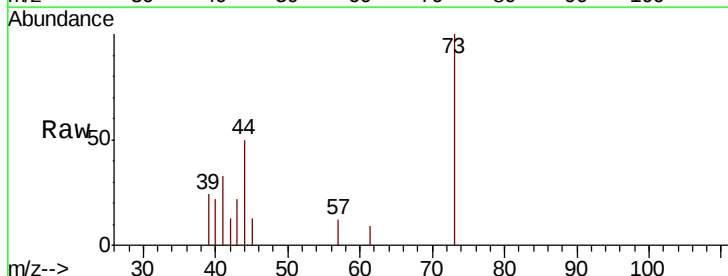


Abundance Ion 84.00 (83.70 to 84.70): VW
Ion 49.00 (48.70 to 49.70): VW
Ion 86.00 (85.70 to 86.70): VW

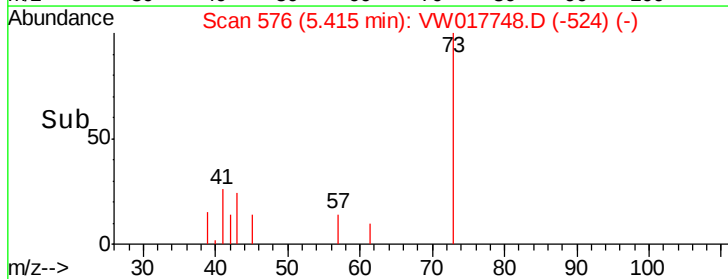
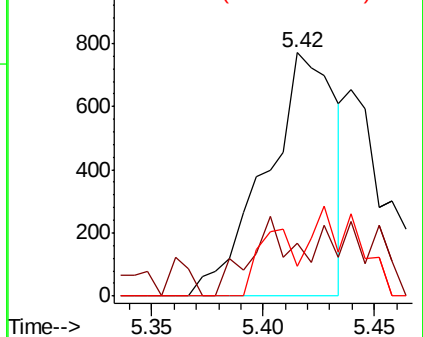


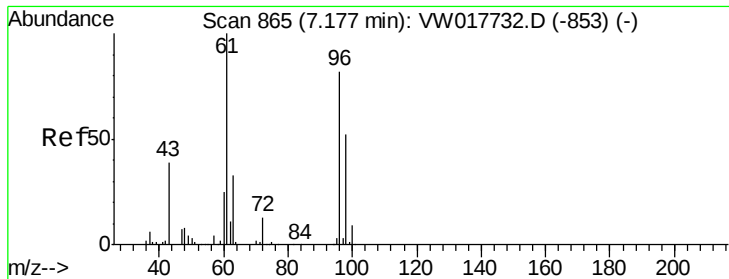
#17
Methyl tert-butyl Ether
Concen: 0.316 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW017748.D
Acq: 24 Dec 2020 20:20

Tgt Ion: 73 Resp: 1665
Ion Ratio Lower Upper
73 100
43 17.2 17.1 25.7
57 14.4 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





#21

2-Butanone

Concen: 3.875 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW017748.D

Acq: 24 Dec 2020 20:20

Instrument :

MSVOA_W

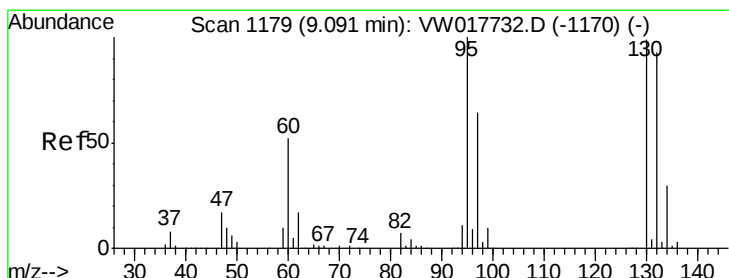
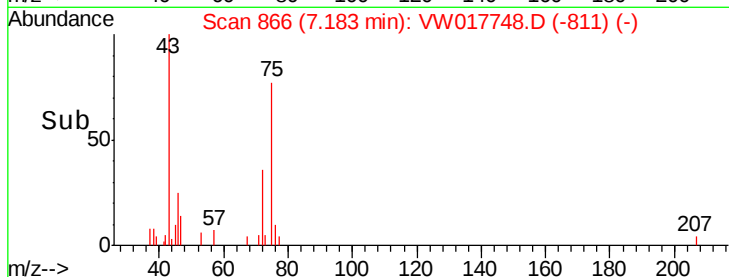
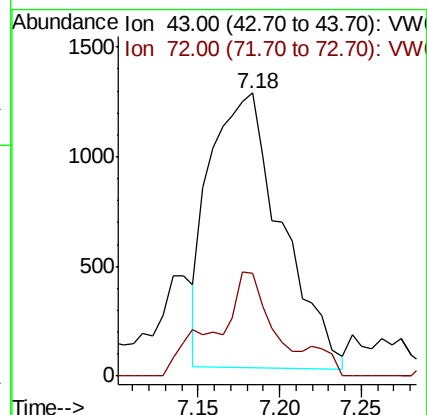
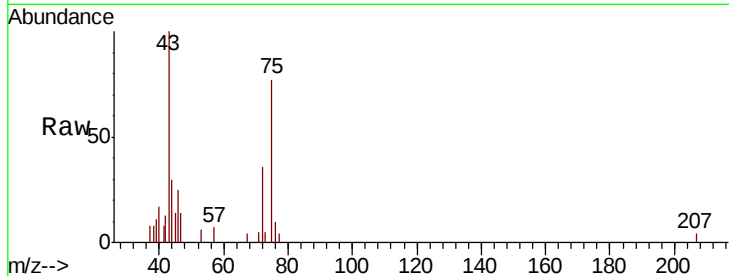
ClientSampled :

Tot Ion: 43 Resp: 3804

Ion Ratio Lower Upper

43 100

72 19.2 15.4 46.2



#35

Trichloroethene

Concen: 0.702 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW017748.D

Acq: 24 Dec 2020 20:20

Tgt Ion: 95 Resp: 3056

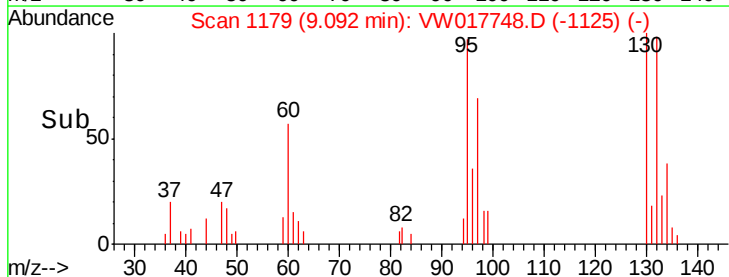
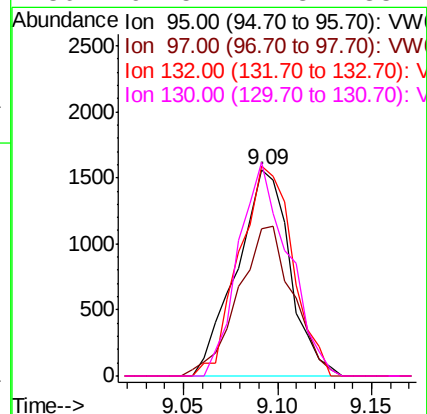
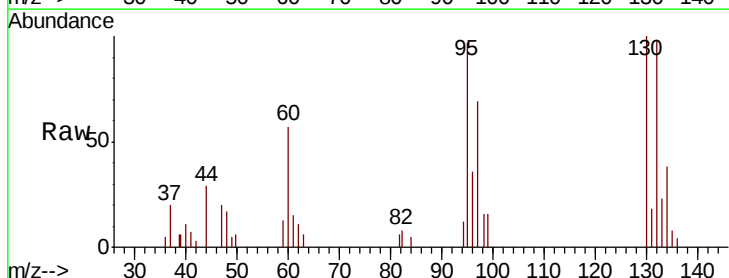
Ion Ratio Lower Upper

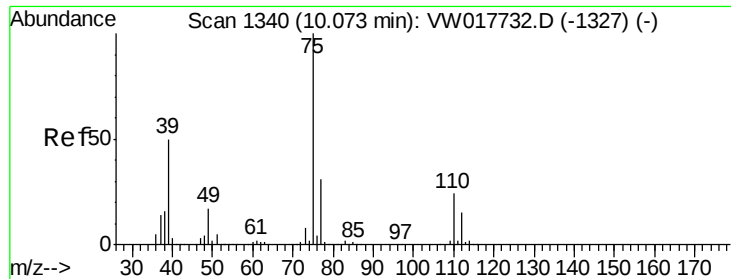
95 100

97 74.7 46.8 87.0

132 102.1 68.3 126.9

130 97.5 71.8 133.4





#42

cis-1,3-Dichloropropene

Concen: 0.833 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017748.D

Acq: 24 Dec 2020 20:20

Instrument :

MSVOA_W

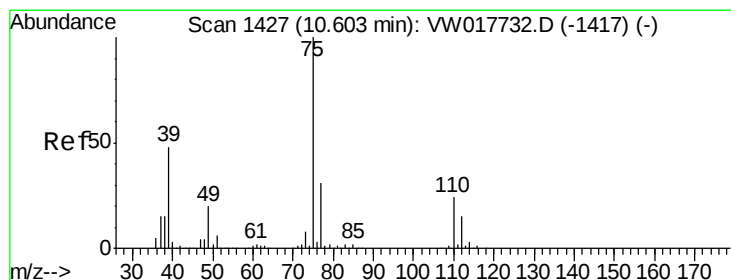
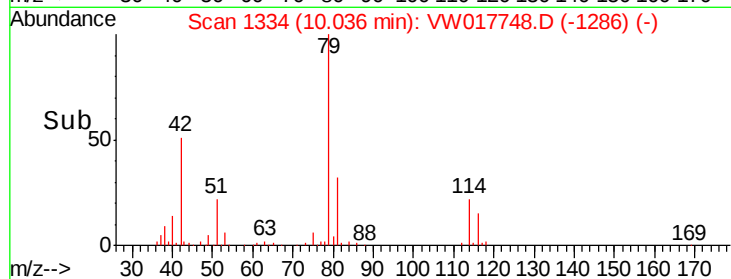
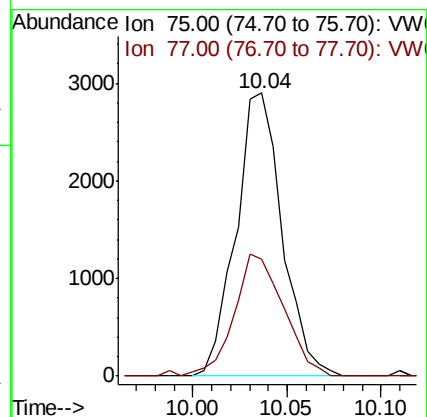
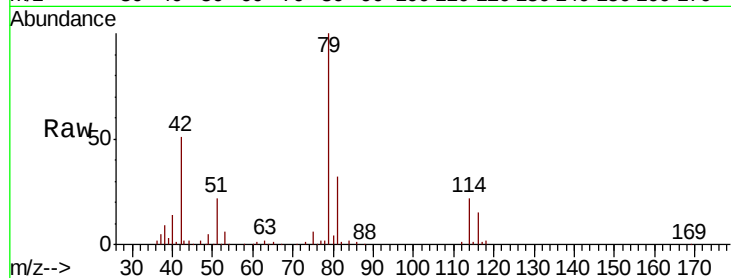
ClientSampled :

Tot Ion: 75 Resp: 4939

Ion Ratio Lower Upper

75 100

77 41.2 21.6 40.2#



#45

trans-1,3-Dichloropropene

Concen: 0.589 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW017748.D

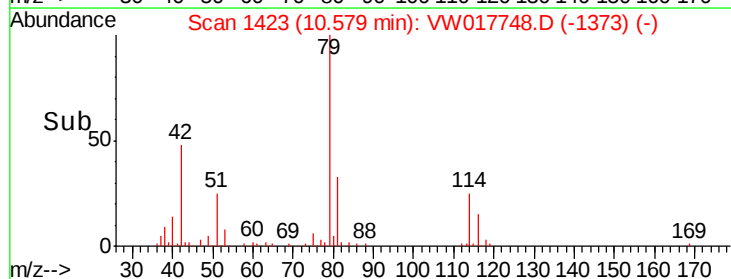
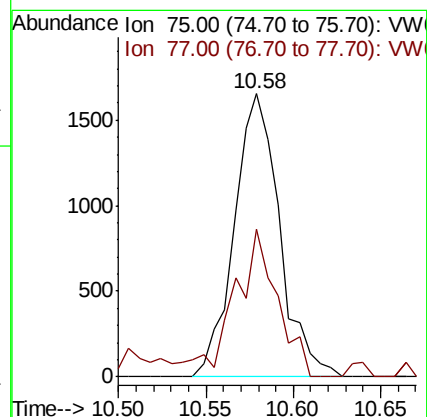
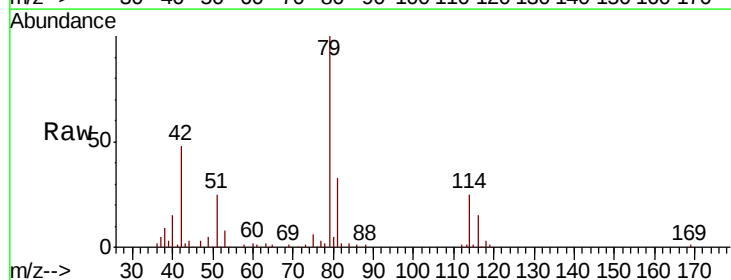
Acq: 24 Dec 2020 20:20

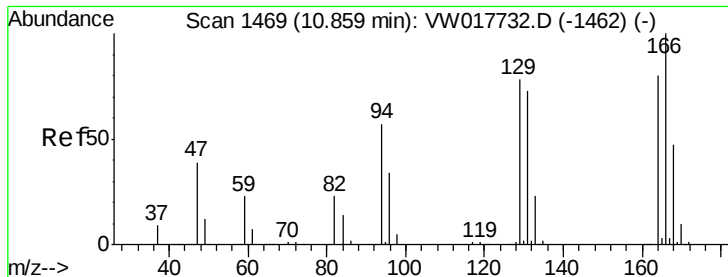
Tgt Ion: 75 Resp: 2975

Ion Ratio Lower Upper

75 100

77 52.0 21.6 40.0#





#47

Tetrachloroethene

Concen: 9.938 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW017748.D

Acq: 24 Dec 2020 20:20

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:164 Resp: 33845

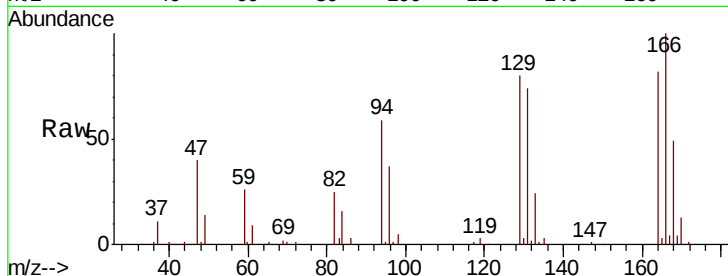
Ion Ratio Lower Upper

164 100

129 96.8 62.9 116.9

131 90.2 63.8 118.6

166 121.2 87.4 162.2

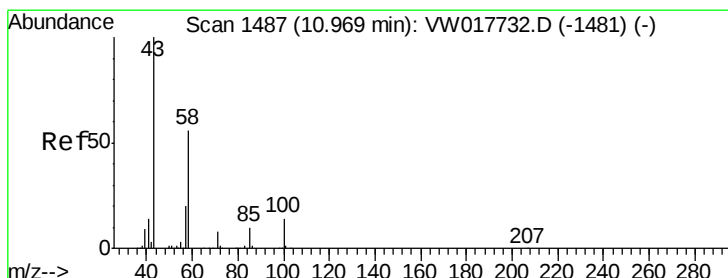
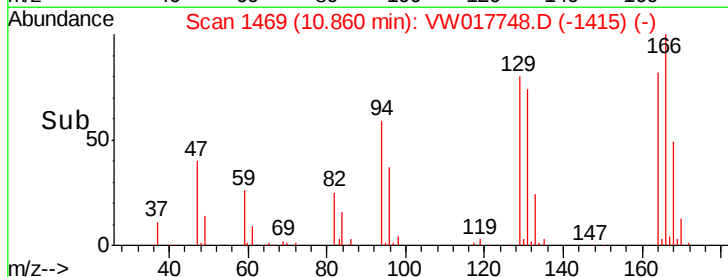
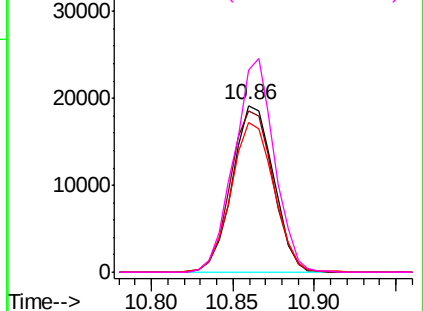


Abundance Ion 164.00 (163.70 to 164.70): V

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: 0.477 ug/L

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW017748.D

Acq: 24 Dec 2020 20:20

Tgt Ion: 43 Resp: 611

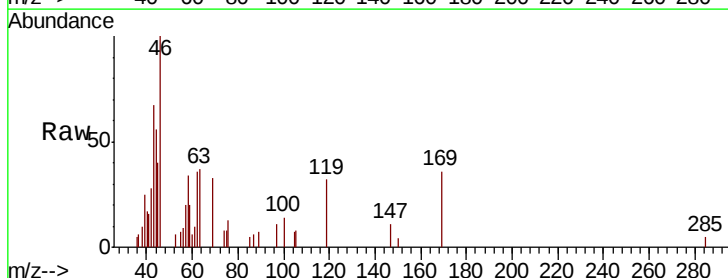
Ion Ratio Lower Upper

43 100

58 162.5 44.2 66.4#

57 63.3 16.1 24.1#

100 56.1 11.0 16.4#

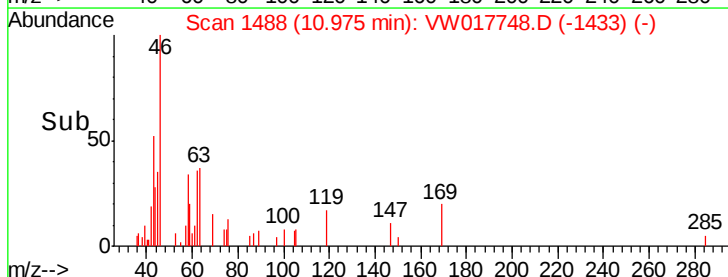
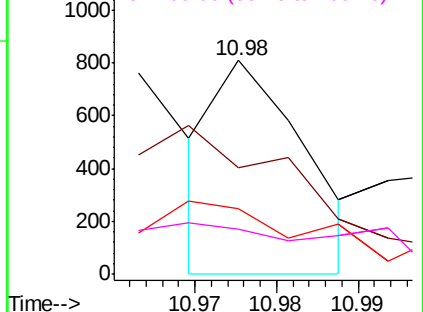


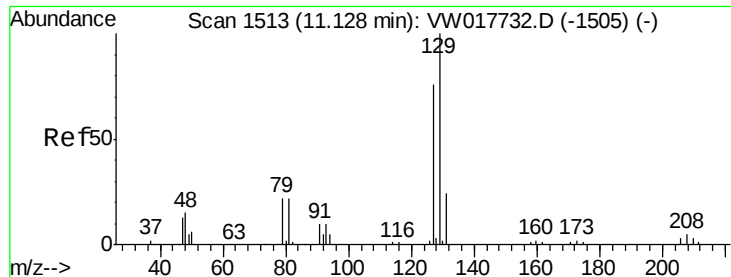
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 10.315 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW017748.D

Acq: 24 Dec 2020 20:20

Instrument :

MSVOA_W

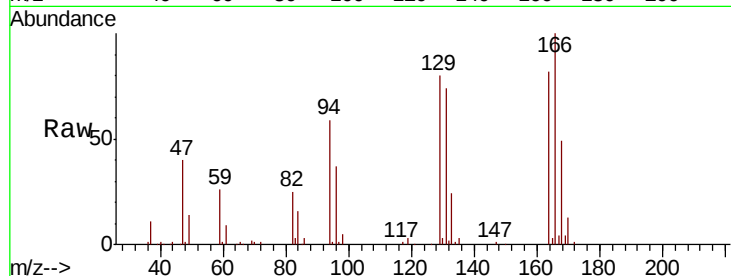
ClientSampleId :

Tot Ion:129 Resp: 33817

Ion Ratio Lower Upper

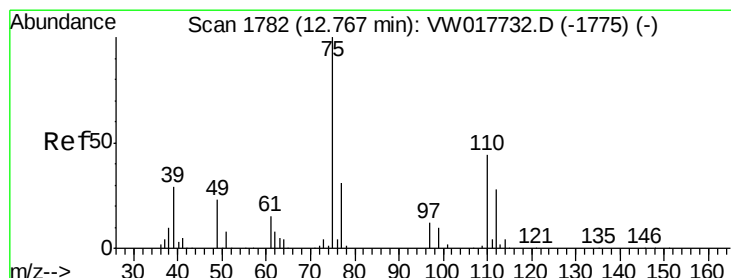
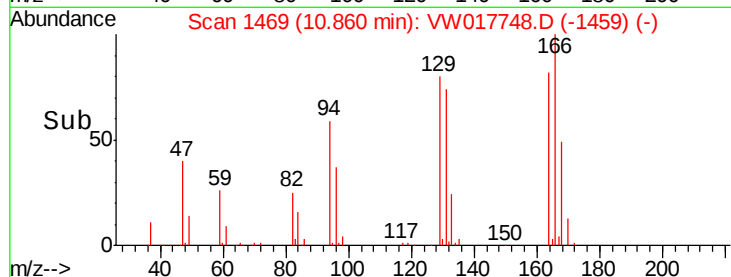
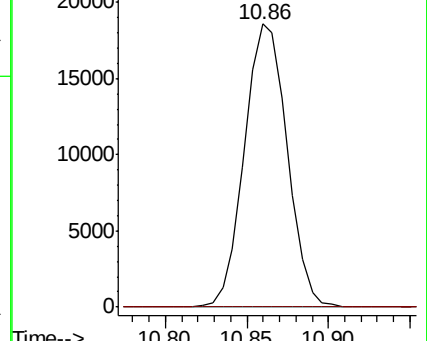
129 100

127 0.0 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: 5.803 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017748.D

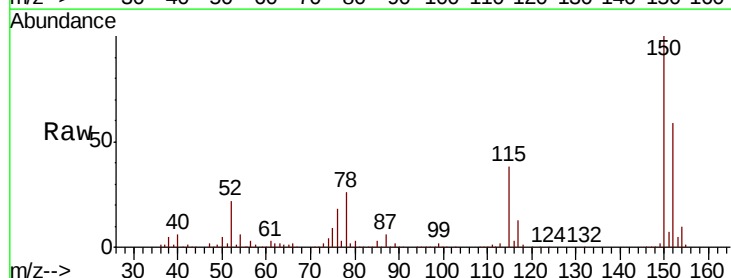
Acq: 24 Dec 2020 20:20

Tgt Ion: 75 Resp: 13148

Ion Ratio Lower Upper

75 100

77 35.7 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

