

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120320\
 Data File : VW017531.D
 Acq On : 03 Dec 2020 12:05
 Operator : SY/VA
 Sample : L4920-05
 Misc : 4.27G/10ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 20 00:33:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
 Quant Title : VOC Analysis
 QLast Update : Sun Dec 20 00:31:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	491533	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	445494	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	214271	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	115142	17.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.24%
7) Chloroethane-d5	2.90	69	102830	18.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.40%
10) 1,1-Dichloroethene-d2	4.03	63	205183	14.25	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	57.00%
20) 2-Butanone-d5	7.08	46	59678	43.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.54%
24) Chloroform-d	7.65	84	298118	21.35	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.40%
26) 1,2-Dichloroethane-d4	8.44	65	63	0.01	ug/L	0.13
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.04%#
29) Benzene-d6	8.28	84	573326	20.93	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.72%
33) 1,2-Dichloropropane-d6	9.28	67	166425	21.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.80%
37) Toluene-d8	10.33	98	526412	21.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.40%
38) trans-1,3-Dichloropropene-	10.58	79	68103	20.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.44%
39) 2-Hexanone-d5	10.93	63	38690	41.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.48%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	118085	21.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.60%
61) 1,2-Dichlorobenzene-d4	13.86	152	184243	23.23	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.92%

Target Compounds

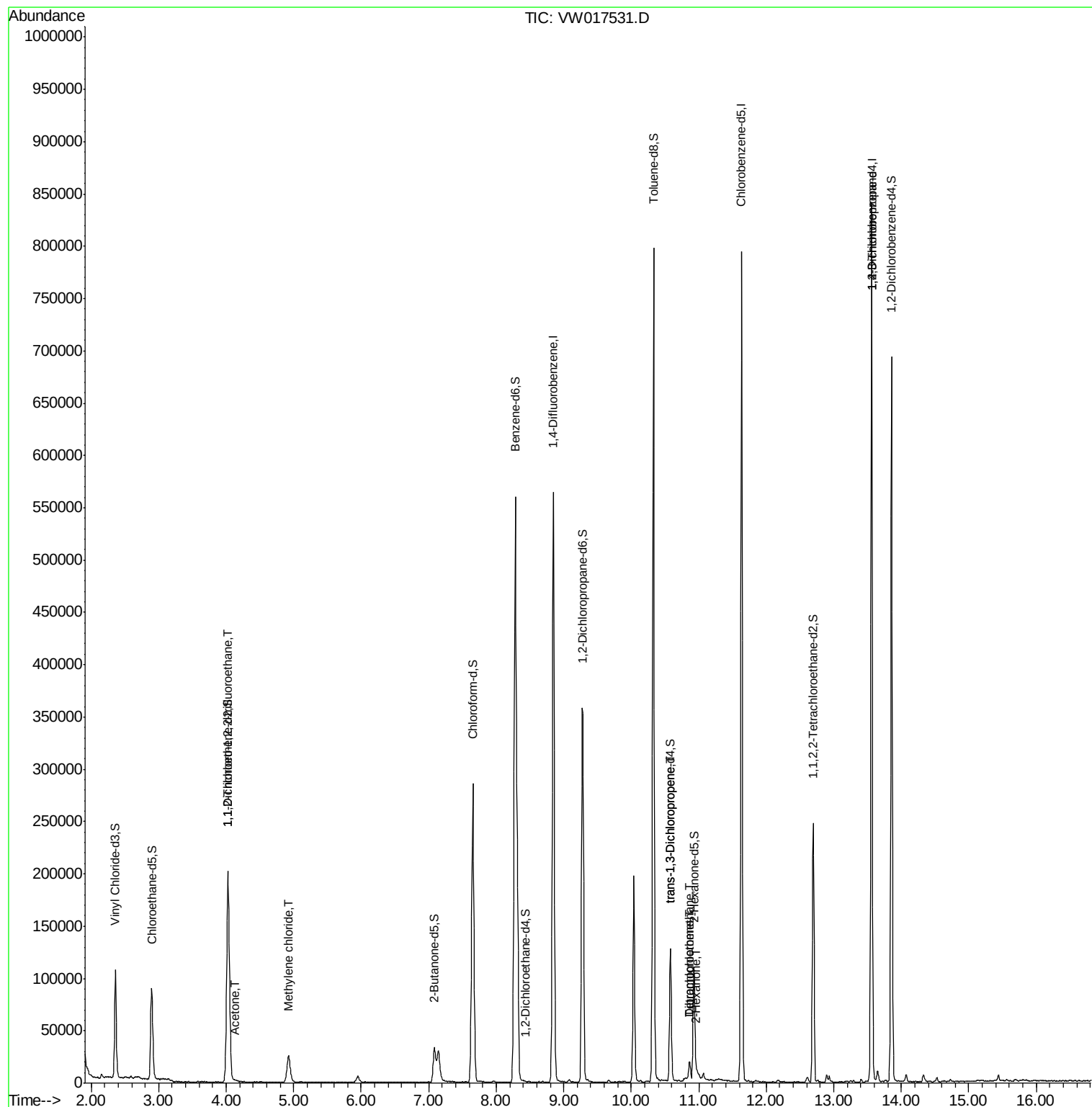
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	4.03	101	2487	0.356	ug/L #	35
13) Acetone	4.13	43	2316	1.765	ug/L	69
16) Methylene chloride	4.92	84	21134	2.864	ug/L	100
45) trans-1,3-Dichloropropene	10.58	75	3586	0.430	ug/L #	78
47) Tetrachloroethene	10.86	164	4222	0.668	ug/L	74
49) 2-Hexanone	10.97	43	1354	0.662	ug/L #	86
50) Dibromochloromethane	10.87	129	3722	0.632	ug/L #	11
59) 1,2,3-Trichloropropane	13.56	75	24713	6.601	ug/L	99

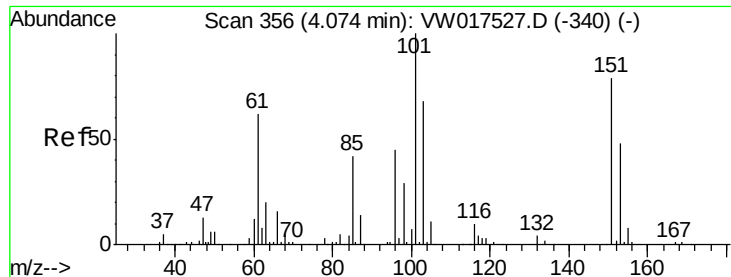
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 20 00:33:24 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
Quant Title : VOC Analysis
QLast Update : Sun Dec 20 00:31:51 2020
Response via : Initial Calibration





#11

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

Concen: 0.356 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.05 min

Lab File: VW017531.D

Acq: 03 Dec 2020 12:05

Instrument :

MSVOA_W

ClientSampled :

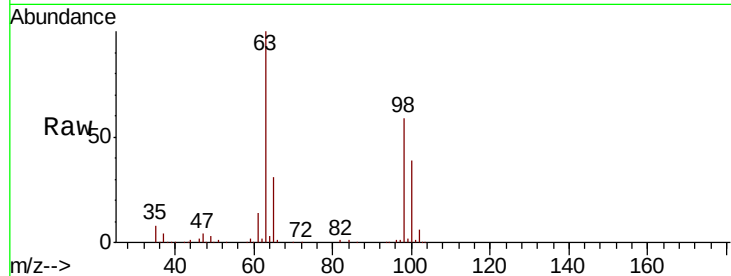
Tot Ion:101 Resp: 2487

Ion Ratio Lower Upper

101 100

85 0.0 34.2 51.4#

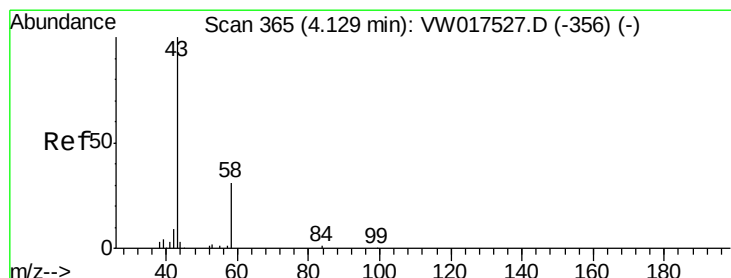
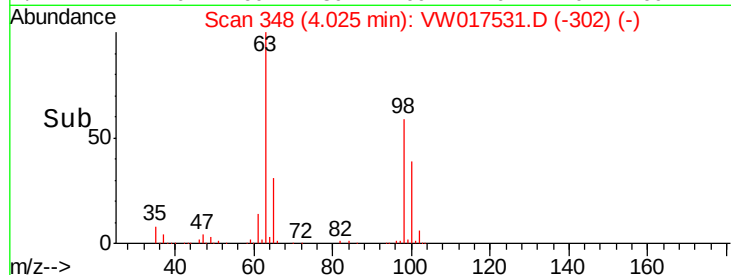
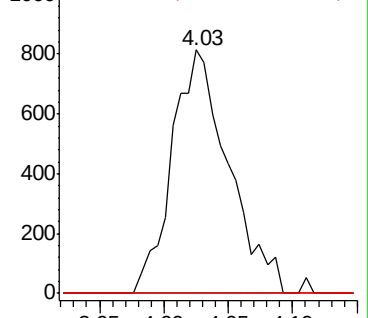
151 0.0 30.4 45.6#



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: 1.765 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW017531.D

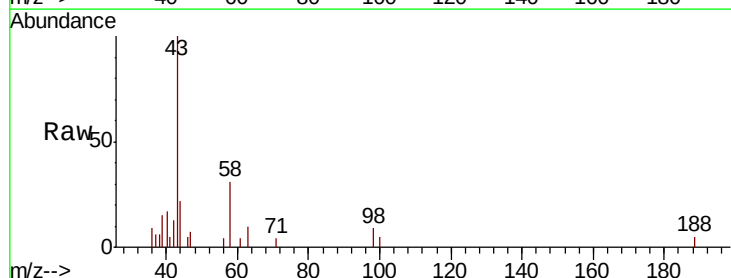
Acq: 03 Dec 2020 12:05

Tgt Ion: 43 Resp: 2316

Ion Ratio Lower Upper

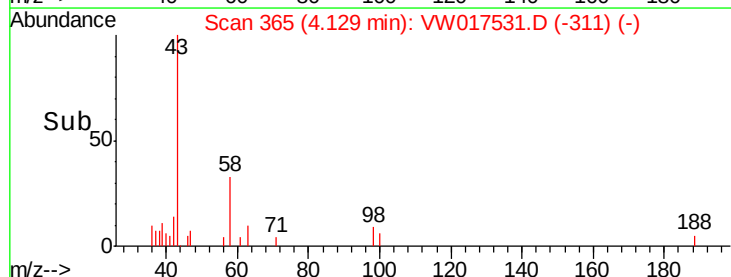
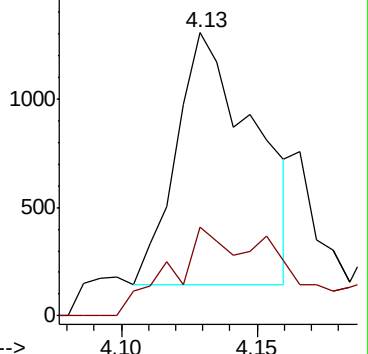
43 100

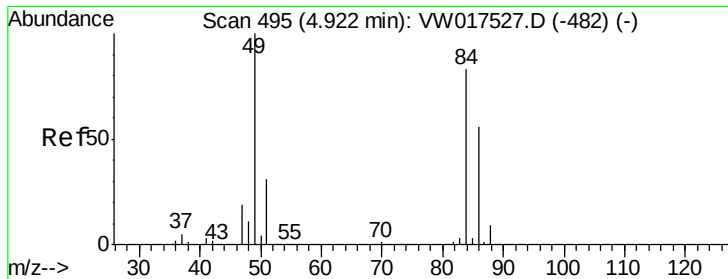
58 16.3 0.0 68.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

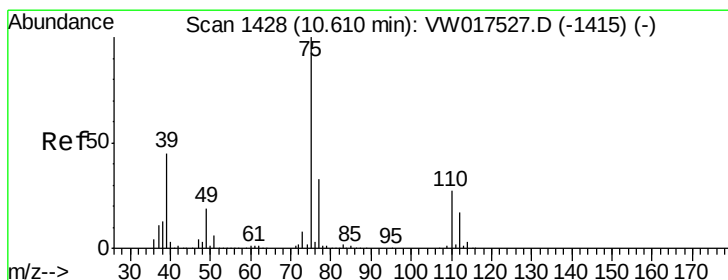
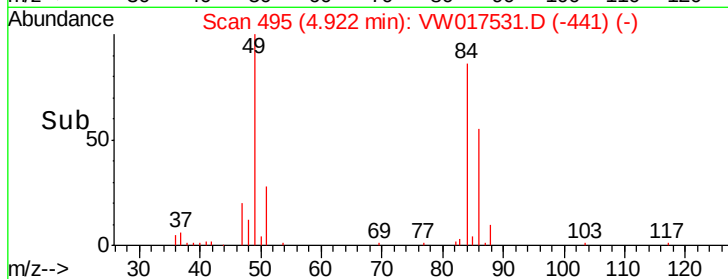
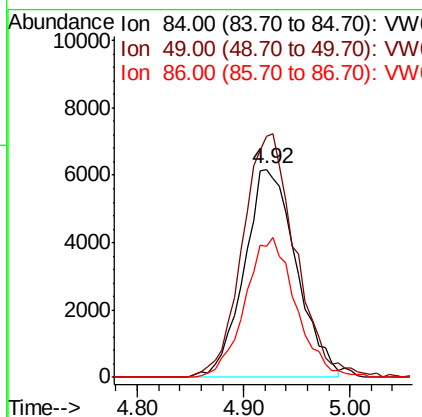
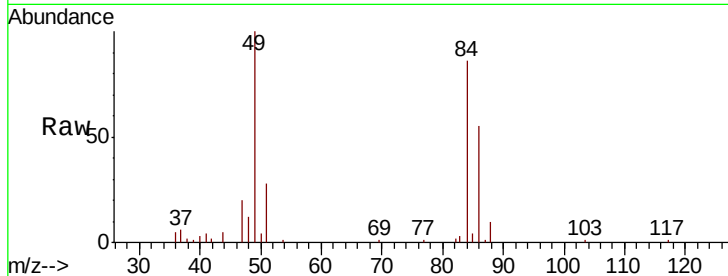




#16
Methylene chloride
Concen: 2.864 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW017531.D
Acq: 03 Dec 2020 12:05

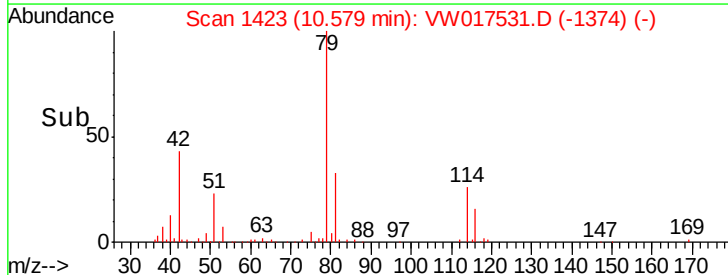
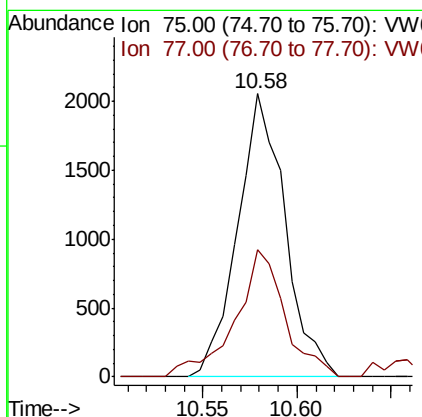
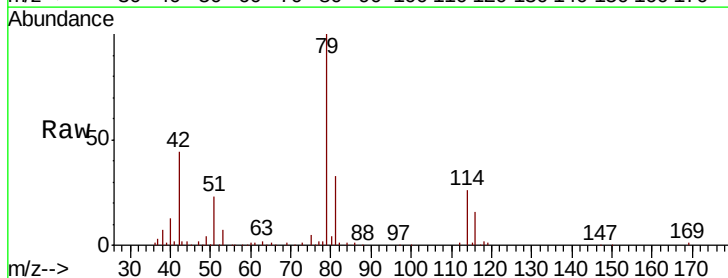
Instrument :
MSVOA_W
ClientSampleId :

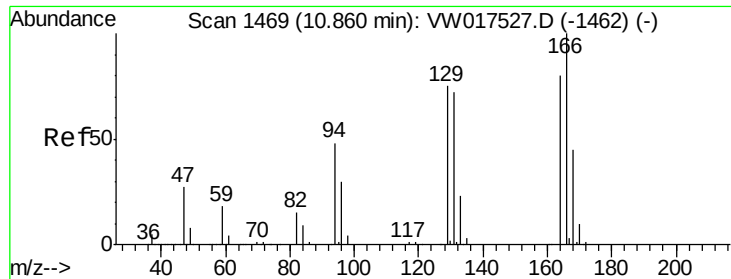
Tot Ion: 84 Resp: 21134
Ion Ratio Lower Upper
84 100
49 115.7 81.2 150.8
86 63.2 44.5 82.7



#45
trans-1,3-Dichloropropene
Concen: 0.430 ug/L
RT: 10.58 min Scan# 1423
Delta R.T. -0.03 min
Lab File: VW017531.D
Acq: 03 Dec 2020 12:05

Tgt Ion: 75 Resp: 3586
Ion Ratio Lower Upper
75 100
77 44.8 22.6 42.0#





#47

Tetrachloroethene

Concen: 0.668 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW017531.D

Acq: 03 Dec 2020 12:05

Instrument :

MSVOA_W

ClientSampled :

Tot Ion:164 Resp: 4222

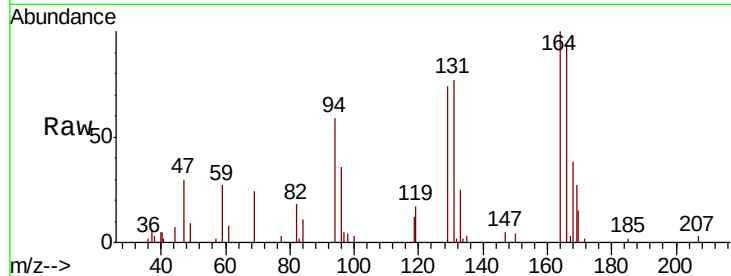
Ion Ratio Lower Upper

164 100

129 73.9 67.6 125.6

131 77.3 65.2 121.2

166 93.6 93.2 173.2

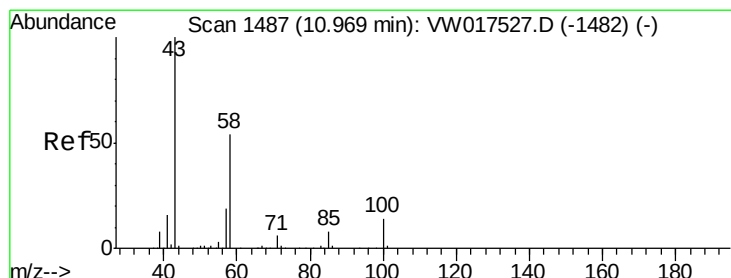
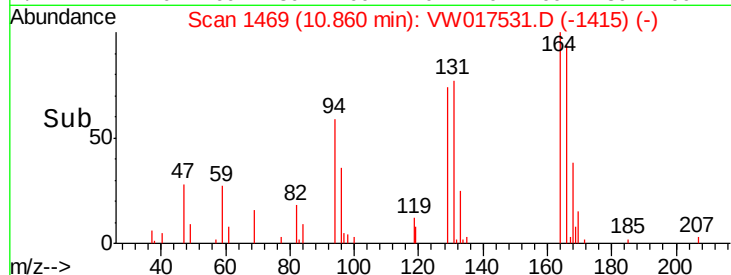
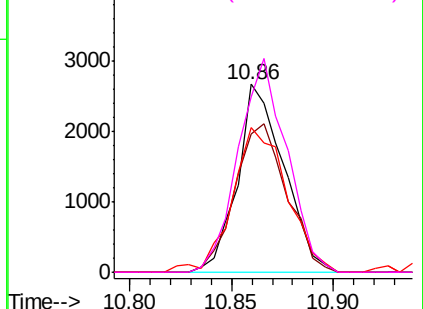


Abundance Ion 164.00 (163.70 to 164.70): V

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: 0.662 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW017531.D

Acq: 03 Dec 2020 12:05

Tgt Ion: 43 Resp: 1354

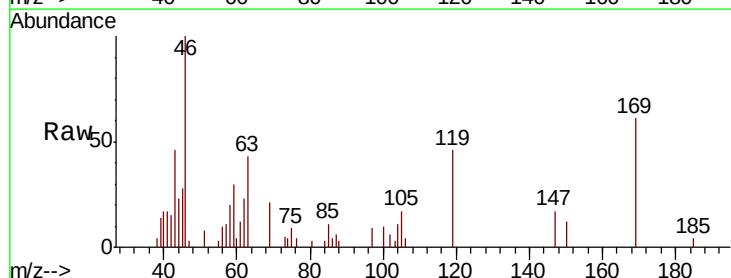
Ion Ratio Lower Upper

43 100

58 74.5 51.3 76.9

57 12.0 15.0 22.6#

100 22.7 12.2 18.2#

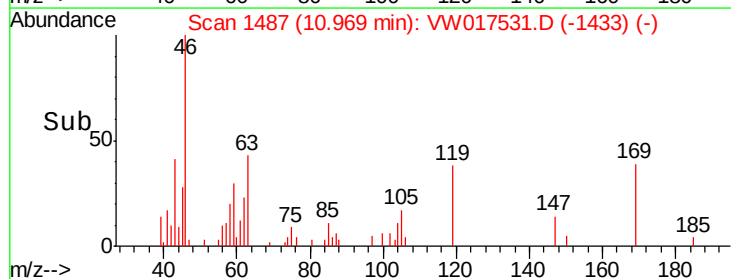
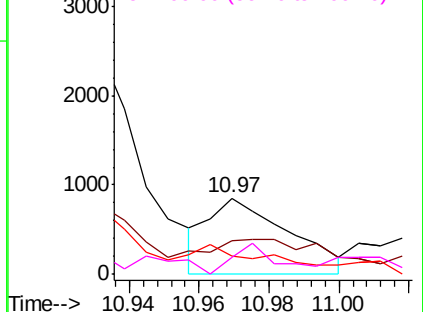


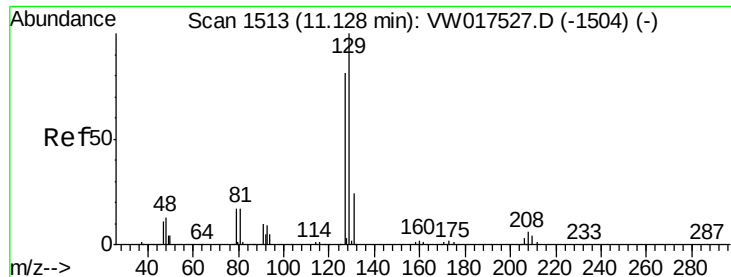
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 0.632 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.26 min

Lab File: VW017531.D

Acq: 03 Dec 2020 12:05

Instrument :

MSVOA_W

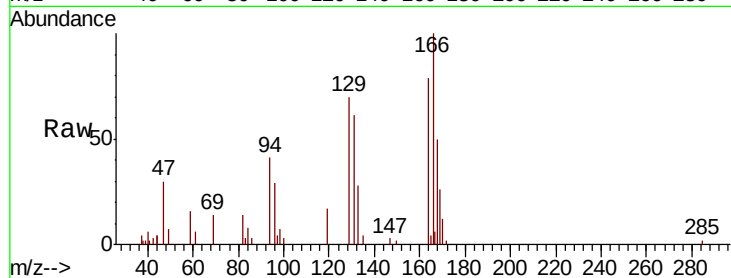
ClientSampled :

Tot Ion:129 Resp: 3722

Ion Ratio Lower Upper

129 100

127 0.0 53.2 98.8#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.87

2000

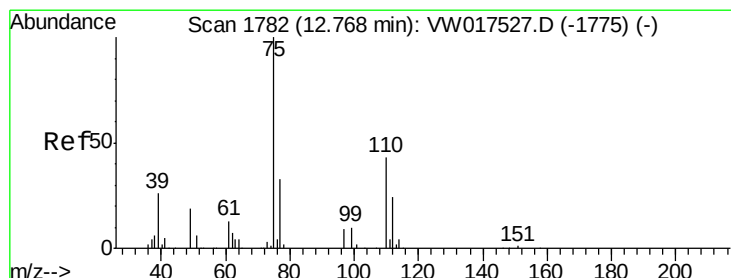
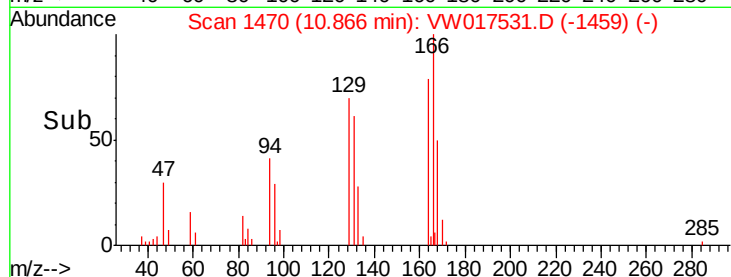
1500

1000

500

0

Time--> 10.80 10.85 10.90



#59

1,2,3-Trichloropropane

Concen: 6.601 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017531.D

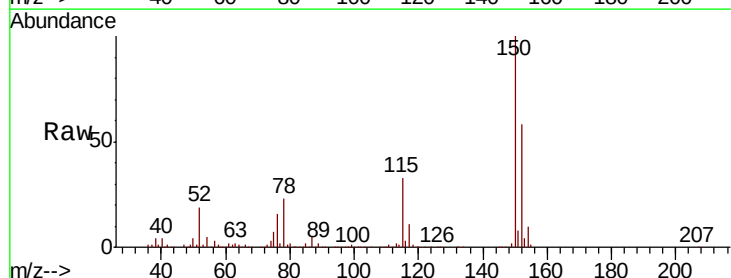
Acq: 03 Dec 2020 12:05

Tgt Ion: 75 Resp: 24713

Ion Ratio Lower Upper

75 100

77 32.5 26.6 39.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

13.56

15000

10000

5000

0

Time--> 13.50 13.55 13.60

