

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120320\
 Data File : VW017535.D
 Acq On : 03 Dec 2020 15:59
 Operator : SY/VA
 Sample : L4920-11
 Misc : 5.13G/10ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4F7

Quant Time: Dec 04 06:19:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 04 06:16:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	502622	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	458398	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	226254	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	101408	15.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	60.44%
7) Chloroethane-d5	2.89	69	89757	15.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	63.36%
10) 1,1-Dichloroethene-d2	4.02	63	182081	12.19	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	48.76%
20) 2-Butanone-d5	7.08	46	62608	43.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.36%
24) Chloroform-d	7.65	84	265940	18.18	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	72.72%
26) 1,2-Dichloroethane-d4	8.31	65	141297	19.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	77.96%
29) Benzene-d6	8.27	84	511778	17.83	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	71.32%
33) 1,2-Dichloropropane-d6	9.27	67	149742	18.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	74.68%
37) Toluene-d8	10.33	98	463384	17.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	71.24%
38) trans-1,3-Dichloropropene-	10.58	79	62930	17.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	70.68%
39) 2-Hexanone-d5	10.93	63	41014	40.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.54%
48) 1,1,1,2,2-Tetrachloroethane-	12.69	84	115598	19.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	79.04%
61) 1,2-Dichlorobenzene-d4	13.85	152	170006	19.91	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	79.64%

Target Compounds

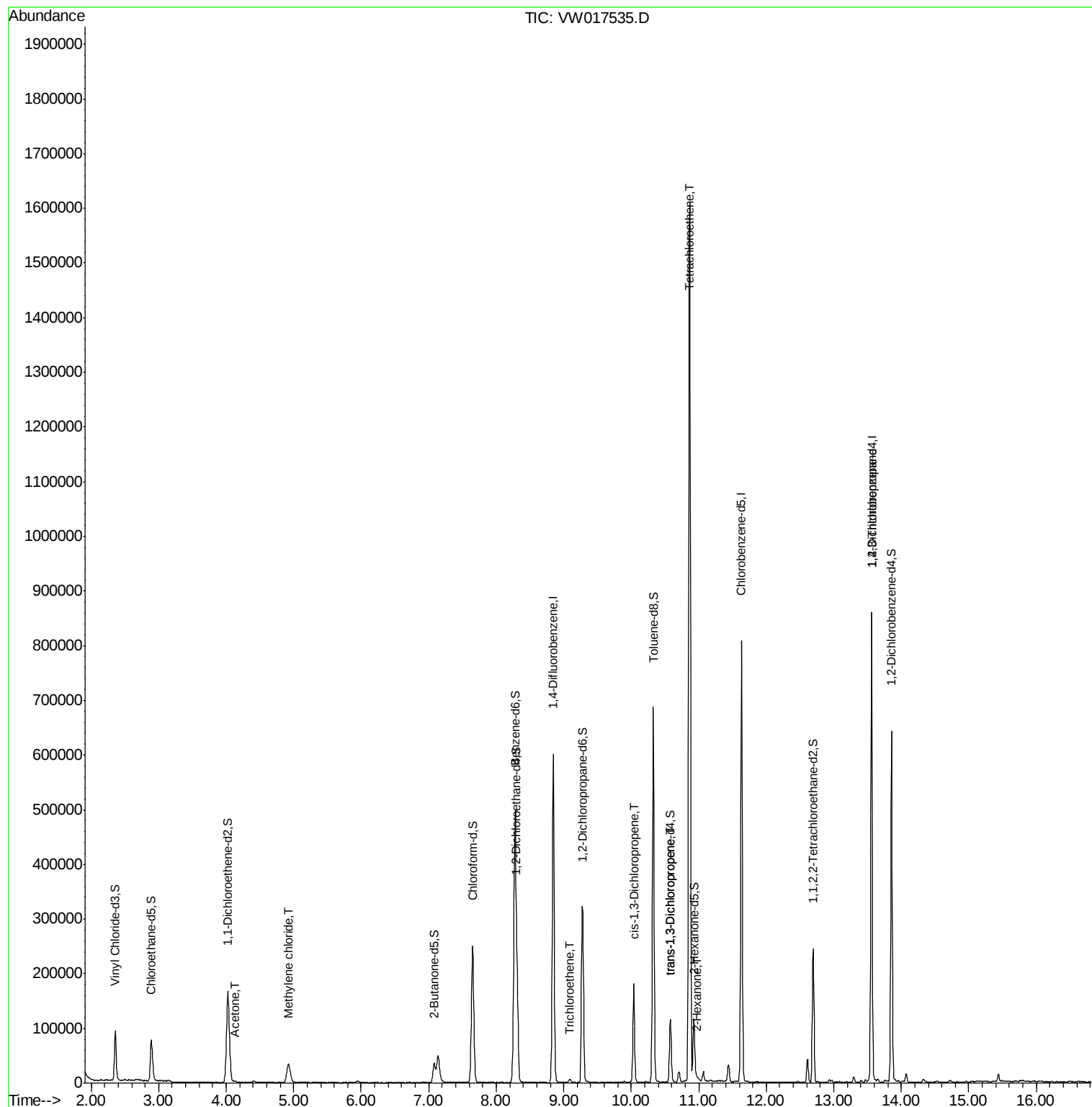
					Ovalue
13) Acetone	4.13	43	2154	1.526 ug/L	58
16) Methylene chloride	4.93	84	31270	4.126 ug/L	93
35) Trichloroethene	9.09	95	1656	0.215 ug/L	89
42) cis-1,3-Dichloropropene	10.04	75	4654	0.458 ug/L #	55
45) trans-1,3-Dichloropropene	10.58	75	3371	0.385 ug/L #	81
47) Tetrachloroethene	10.87	164	376373	57.668 ug/L	95
49) 2-Hexanone	10.98	43	1231	0.552 ug/L #	42
59) 1,2,3-Trichloropropane	13.56	75	25947	6.579 ug/L	97

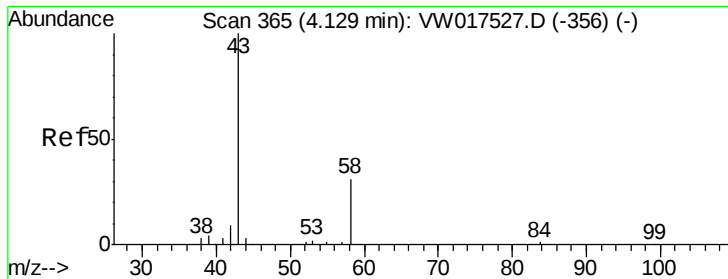
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Dec 04 06:16:45 2020
Response via : Initial Calibration





#13

Acetone

Concen: 1.526 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW017535.D

Acq: 03 Dec 2020 15:59

Instrument :

MSVOA_W

ClientSampled :

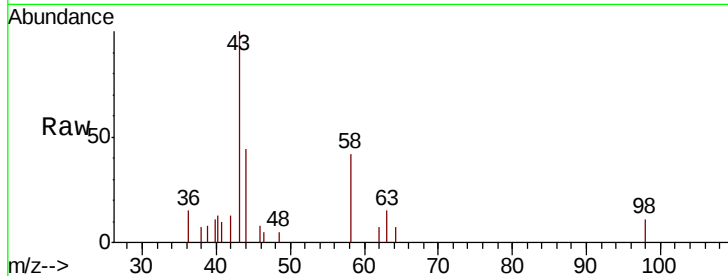
BG4F7

Tot Ion: 43 Resp: 2154

Ion Ratio Lower Upper

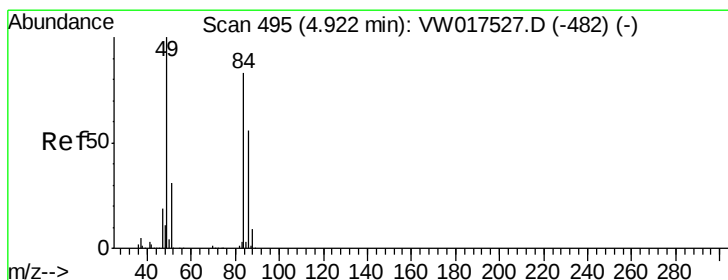
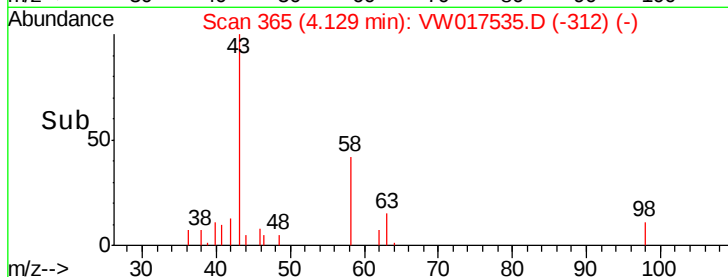
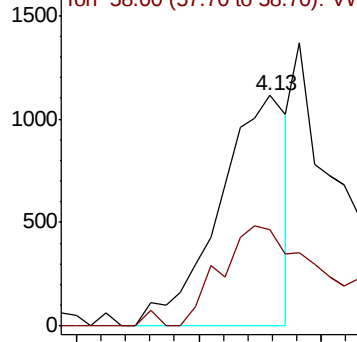
43 100

58 58.3 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: 4.126 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW017535.D

Acq: 03 Dec 2020 15:59

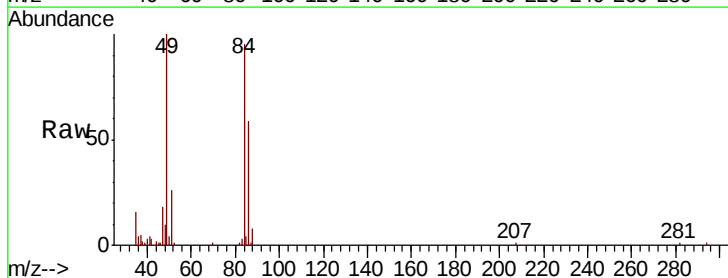
Tgt Ion: 84 Resp: 31270

Ion Ratio Lower Upper

84 100

49 105.0 81.2 150.8

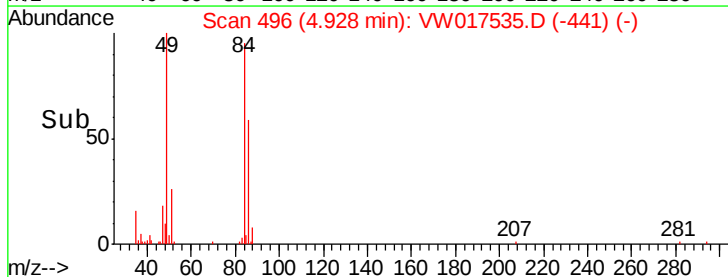
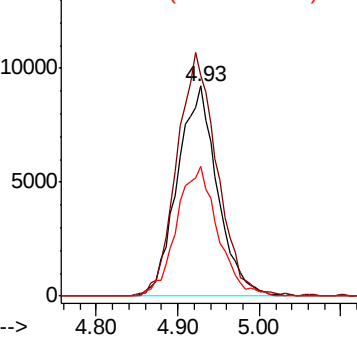
86 62.0 44.5 82.7

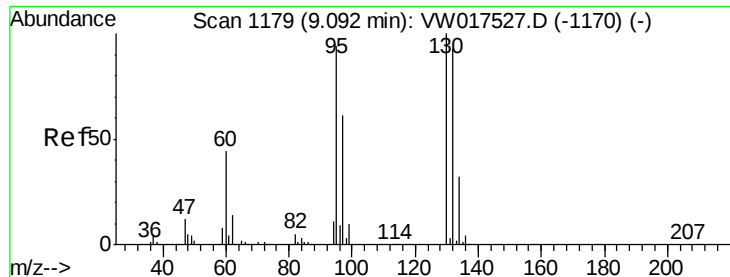


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#35

Trichloroethene

Concen: 0.215 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW017535.D

Acq: 03 Dec 2020 15:59

Instrument :

MSVOA_W

ClientSampleId :

BG4F7

Tot Ion: 95 Resp: 1656

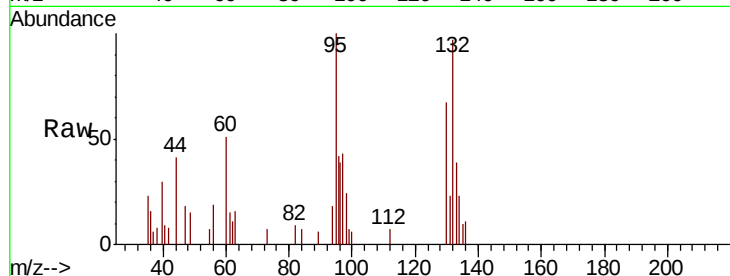
Ion Ratio Lower Upper

95 100

97 57.9 45.0 83.6

132 95.4 71.0 131.8

130 89.4 75.6 140.4

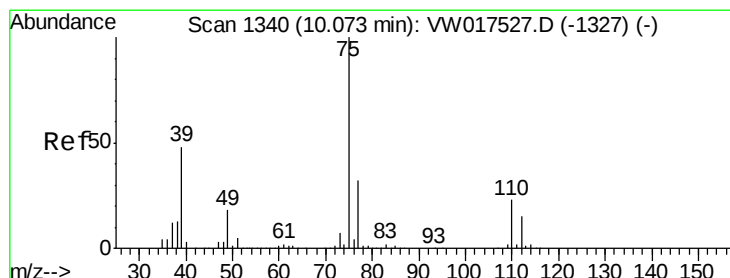
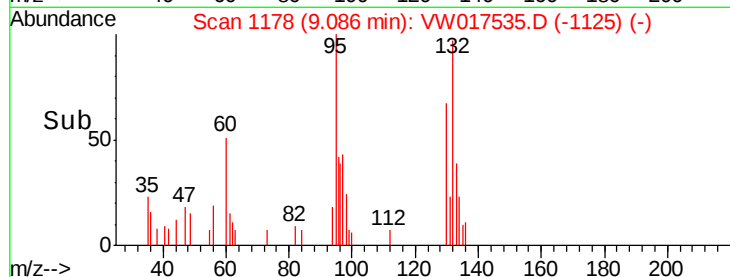
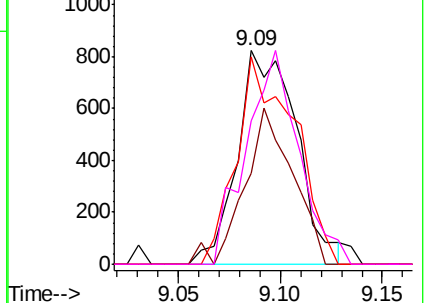


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#42

cis-1,3-Dichloropropene

Concen: 0.458 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017535.D

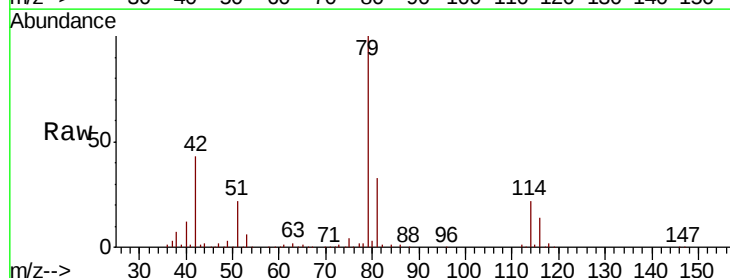
Acq: 03 Dec 2020 15:59

Tgt Ion: 75 Resp: 4654

Ion Ratio Lower Upper

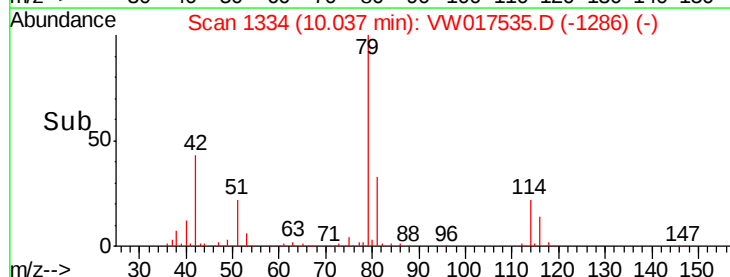
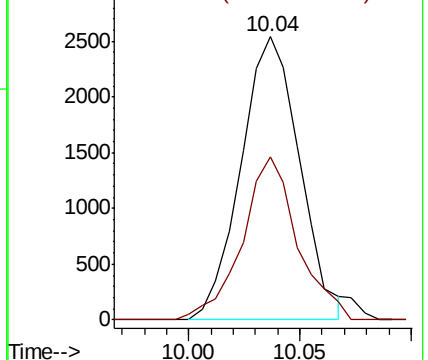
75 100

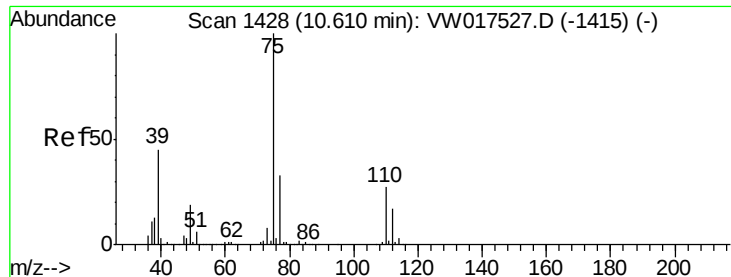
77 57.7 22.7 42.3#



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: 0.385 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017535.D

Acq: 03 Dec 2020 15:59

Instrument :

MSVOA_W

ClientSampleId :

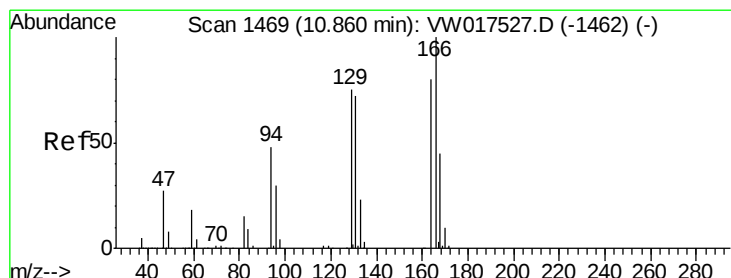
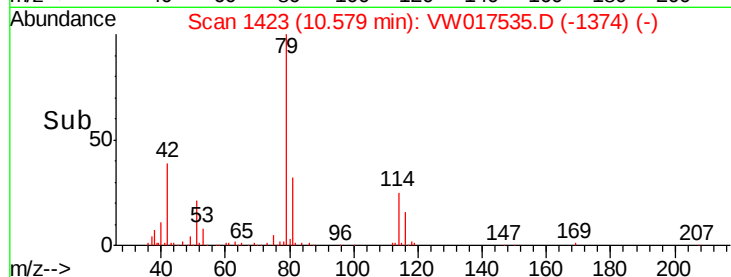
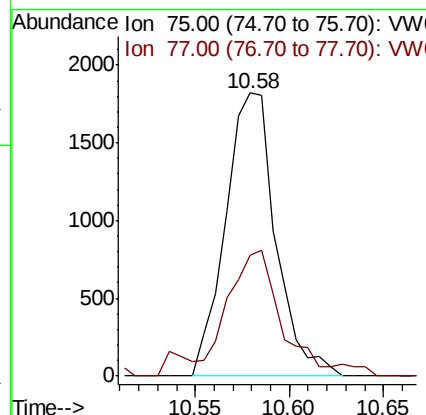
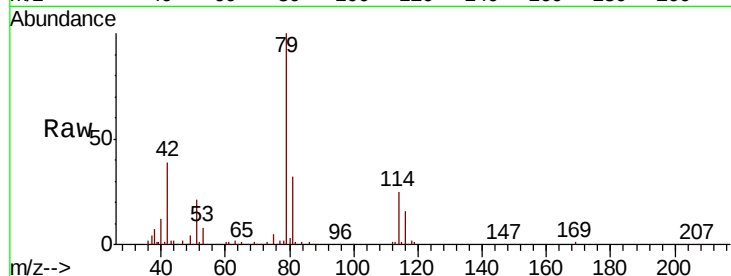
BG4F7

Tot Ion: 75 Resp: 3371

Ion Ratio Lower Upper

75 100

77 42.7 22.6 42.0#



#47

Tetrachloroethene

Concen: 57.668 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW017535.D

Acq: 03 Dec 2020 15:59

Tgt Ion: 164 Resp: 376373

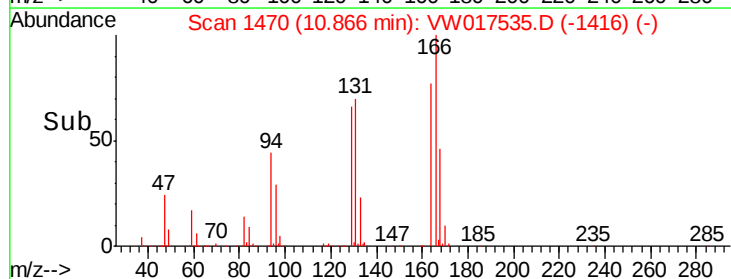
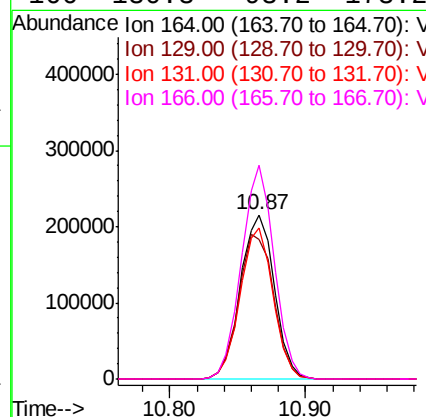
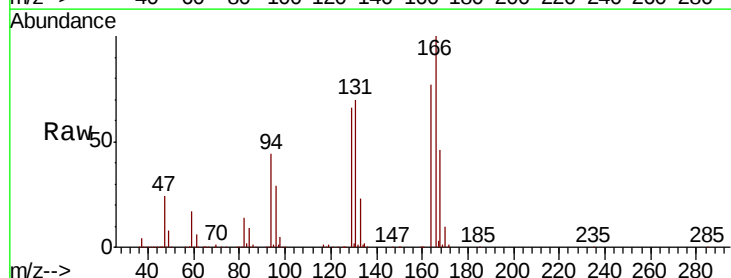
Ion Ratio Lower Upper

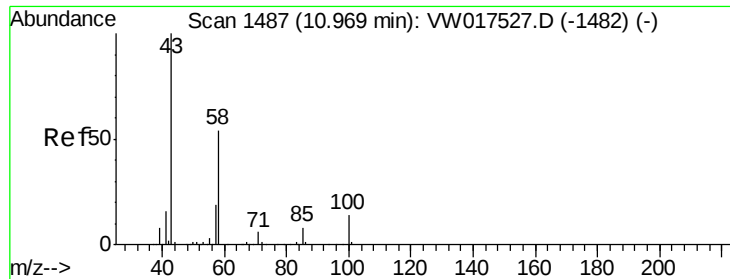
164 100

129 85.5 67.6 125.6

131 91.8 65.2 121.2

166 130.3 93.2 173.2





#49

2-Hexanone

Concen: 0.552 ug/L

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW017535.D

Acq: 03 Dec 2020 15:59

Instrument :

MSVOA_W

ClientSampleId :

BG4F7

Tot Ion: 43 Resp: 1231

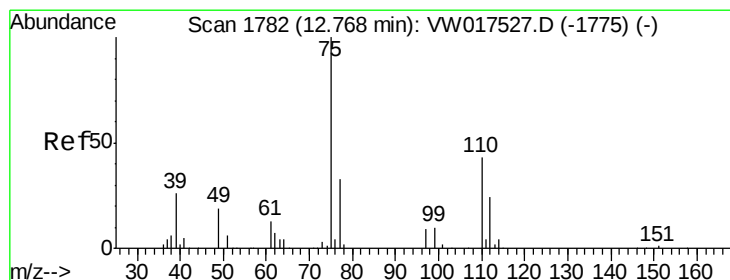
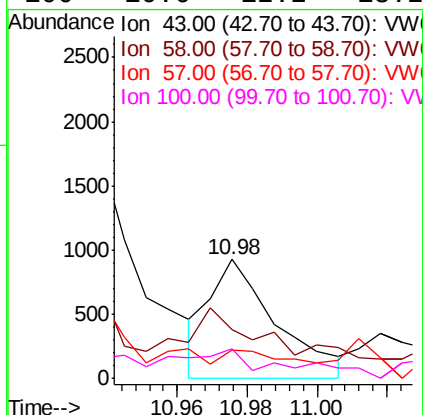
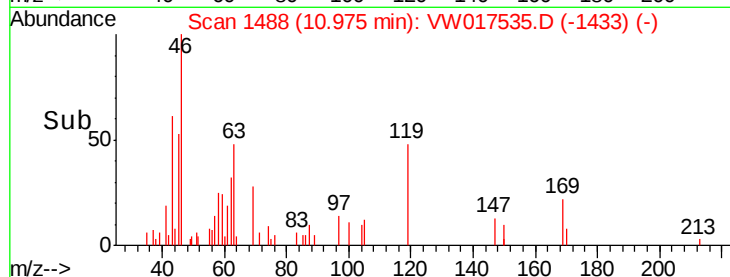
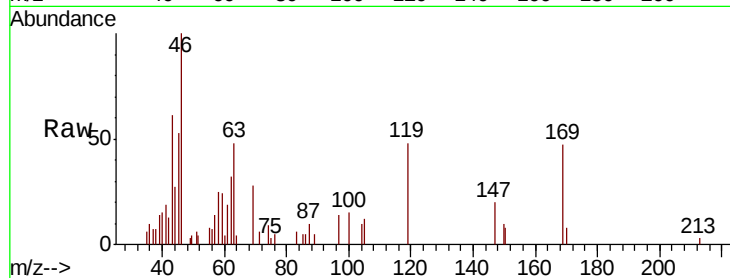
Ion Ratio Lower Upper

43 100

58 0.0 51.3 76.9#

57 25.0 15.0 22.6#

100 10.6 12.2 18.2#



#59

1,2,3-Trichloropropane

Concen: 6.579 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017535.D

Acq: 03 Dec 2020 15:59

Tgt Ion: 75 Resp: 25947

Ion Ratio Lower Upper

75 100

77 35.0 26.6 39.8

