

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102620\
 Data File : VW016990.D
 Acq On : 26 Oct 2020 11:50
 Operator : SY/VA
 Sample : L4502-10
 Misc : 5.78G/10ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG437

Quant Time: Oct 27 08:24:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 27 08:16:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	500034	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	415996	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	150889	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	152429	26.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.64%
7) Chloroethane-d5	2.89	69	118430	26.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.96%
10) 1,1-Dichloroethene-d2	4.02	63	219486	19.55	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.20%
20) 2-Butanone-d5	7.08	46	46583	42.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.70%
24) Chloroform-d	7.65	84	284213	24.64	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.56%
26) 1,2-Dichloroethane-d4	8.31	65	126451	23.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.20%
29) Benzene-d6	8.27	84	605185	28.32	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	113.28%
33) 1,2-Dichloropropane-d6	9.27	67	160493	27.83	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	111.32%
37) Toluene-d8	10.32	98	559110	27.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	111.16%
38) trans-1,3-Dichloropropene-	10.58	79	56225	22.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.88%
39) 2-Hexanone-d5	10.93	63	36682	45.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.58%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	98659	22.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.80%
61) 1,2-Dichlorobenzene-d4	13.85	152	144432	27.23	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.92%

Target Compounds

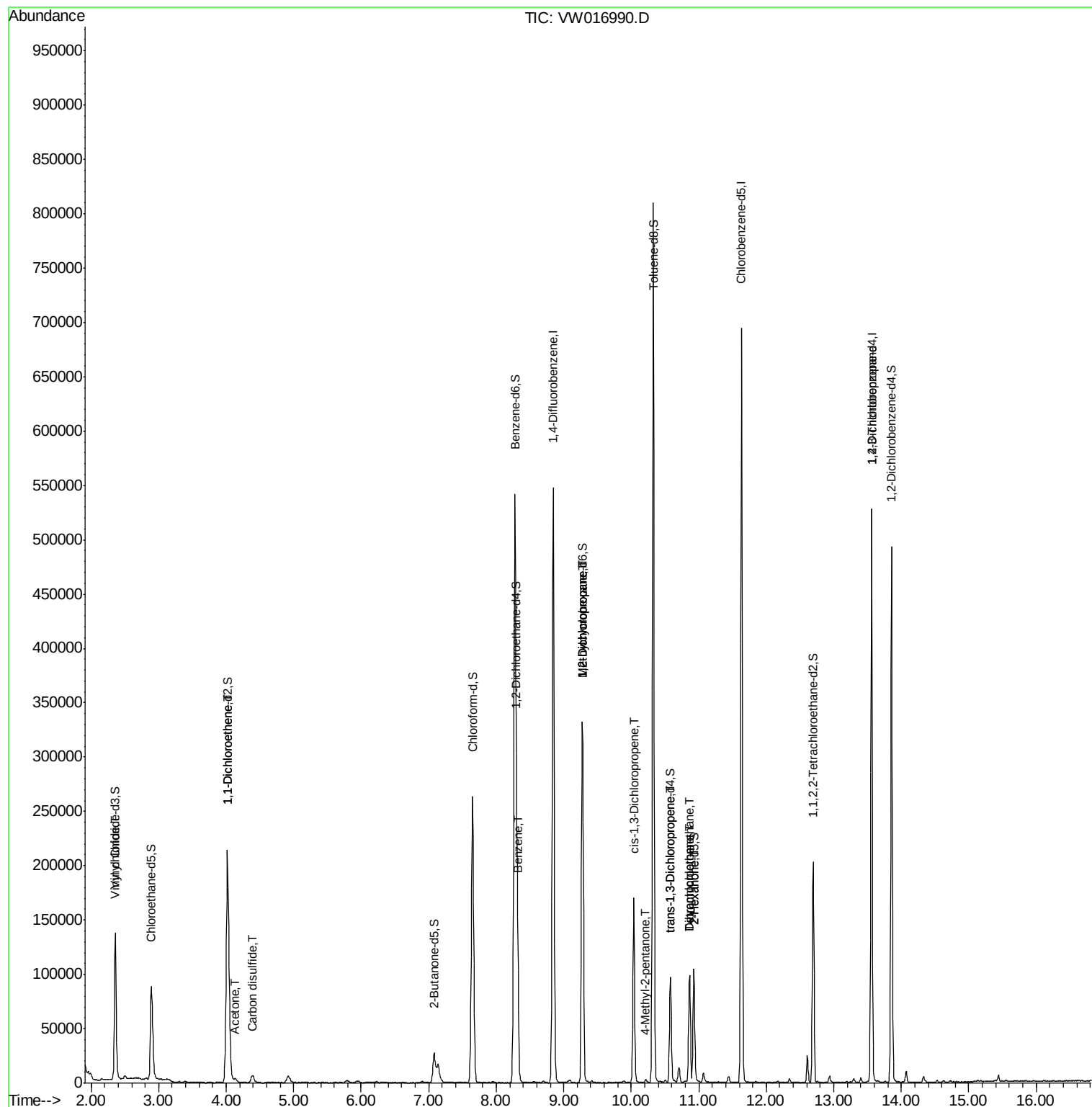
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	2.37	62	4731	0.656	ug/L #	7
12) 1,1-Dichloroethene	4.02	96	2042	0.312	ug/L #	1
13) Acetone	4.13	43	2930	4.005	ug/L #	38
14) Carbon disulfide	4.39	76	15242	0.768	ug/L	97
34) Benzene	8.32	78	15636	0.680	ug/L	100
36) Methylcyclohexane	9.27	83	41922	3.922	ug/L #	22
40) 1,2-Dichloropropane	9.27	63	17246	3.360	ug/L #	84
42) cis-1,3-Dichloropropene	10.04	75	4029	0.502	ug/L #	42
43) 4-Methyl-2-pentanone	10.21	43	1764	0.725	ug/L	99
45) trans-1,3-Dichloropropene	10.59	75	2644	0.398	ug/L #	79
47) Tetrachloroethene	10.87	164	24597	4.201	ug/L	97
49) 2-Hexanone	10.93	43	3936	2.539	ug/L #	60
50) Dibromochloromethane	10.87	129	21989	4.394	ug/L #	10
59) 1,2,3-Trichloropropane	13.56	75	14668	4.648	ug/L	91

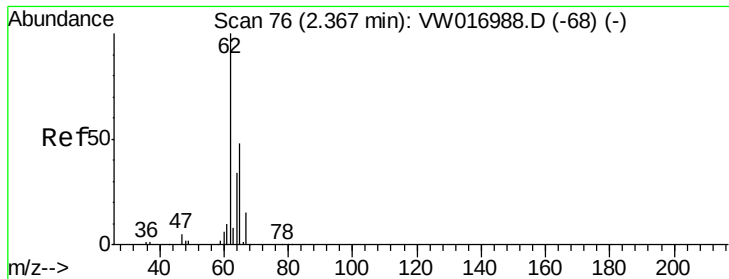
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.656 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016990.D

Acq: 26 Oct 2020 11:50

Instrument :

MSVOA_W

ClientSampleId :

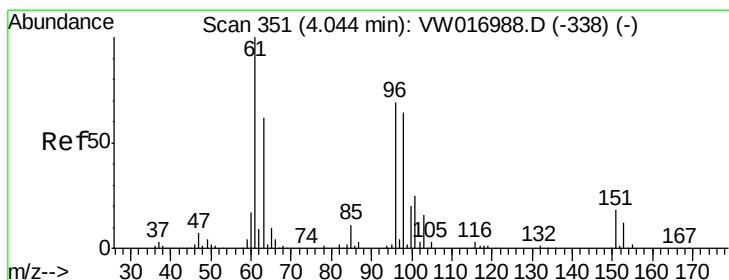
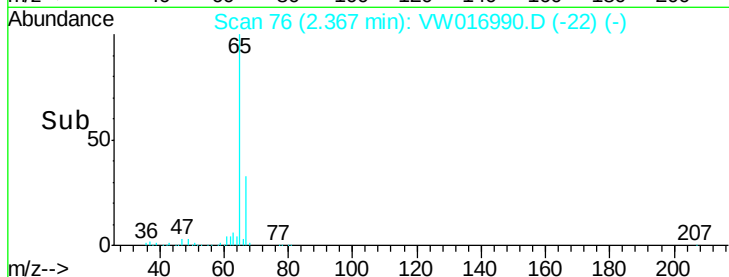
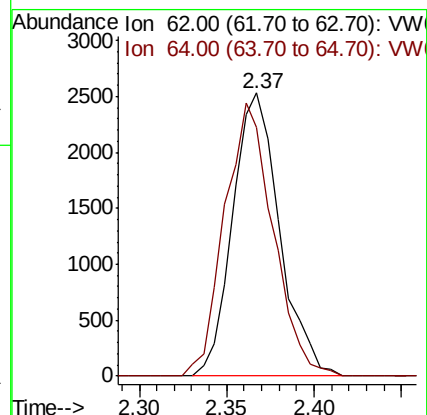
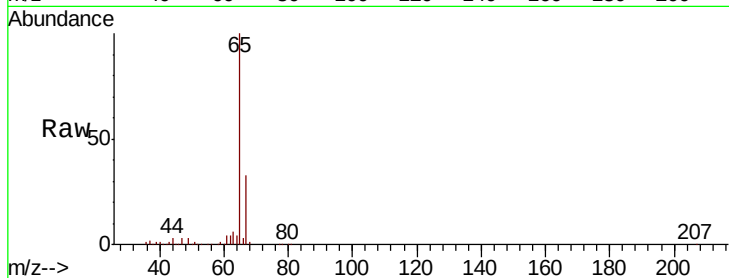
BG437

Tot Ion: 62 Resp: 4731

Ion Ratio Lower Upper

62 100

64 87.7 24.1 44.7#



#12

1,1-Dichloroethene

Concen: 0.312 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.02 min

Lab File: VW016990.D

Acq: 26 Oct 2020 11:50

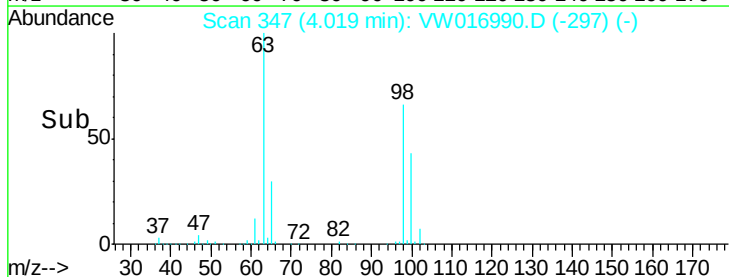
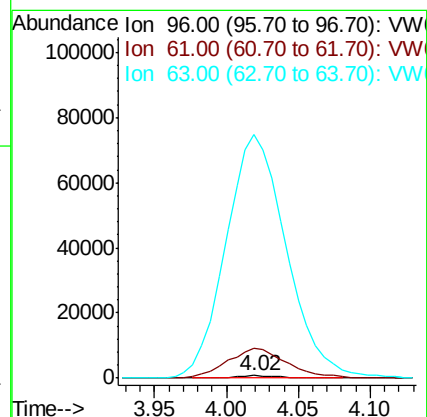
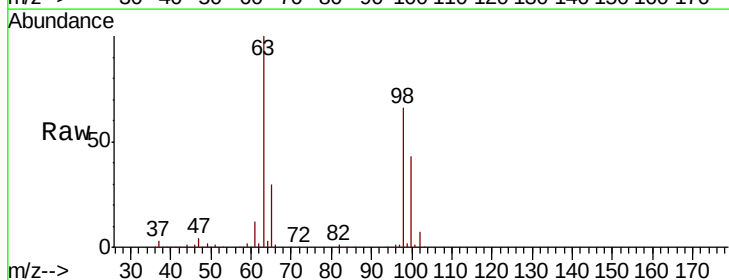
Tgt Ion: 96 Resp: 2042

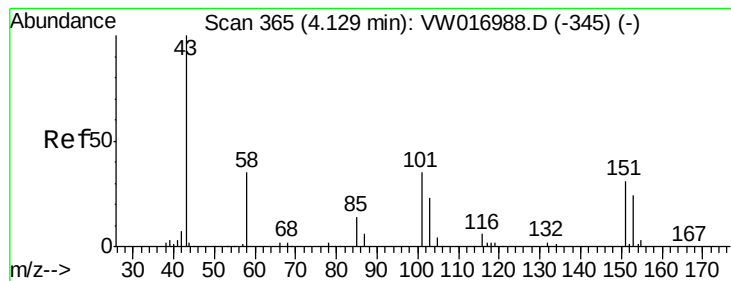
Ion Ratio Lower Upper

96 100

61 1273.4 101.4 188.4#

63 10372.3 78.5 145.9#





#13

Acetone

Concen: 4.005 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW016990.D

Acq: 26 Oct 2020 11:50

Instrument :

MSVOA_W

ClientSampleId :

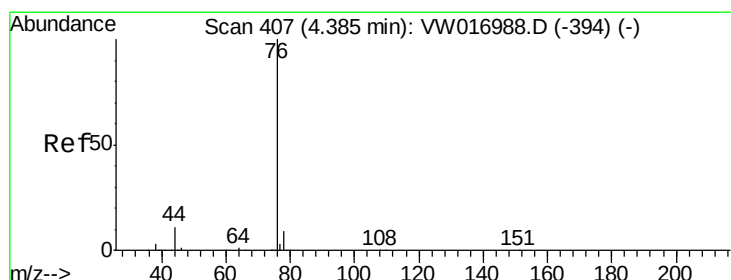
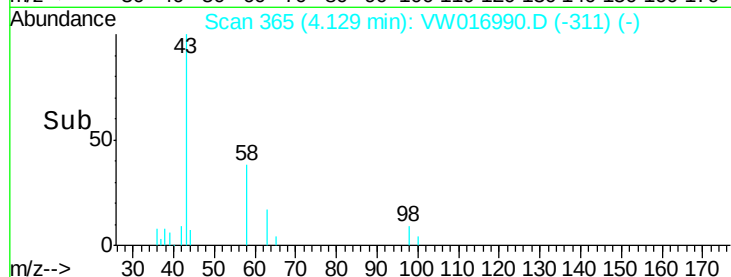
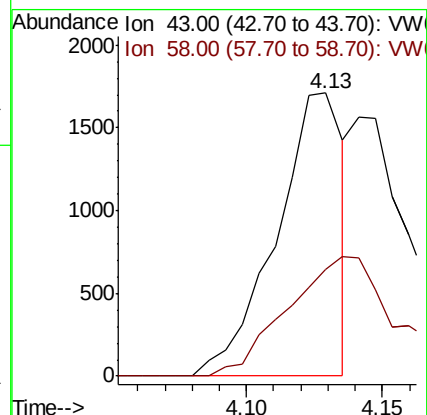
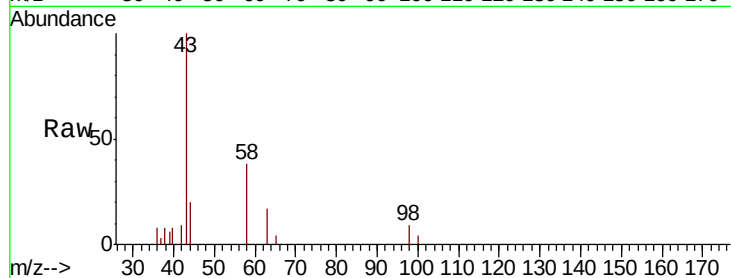
BG437

Tot Ion: 43 Resp: 2930

Ion Ratio Lower Upper

43 100

58 70.7 0.0 69.8#



#14

Carbon disulfide

Concen: 0.768 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW016990.D

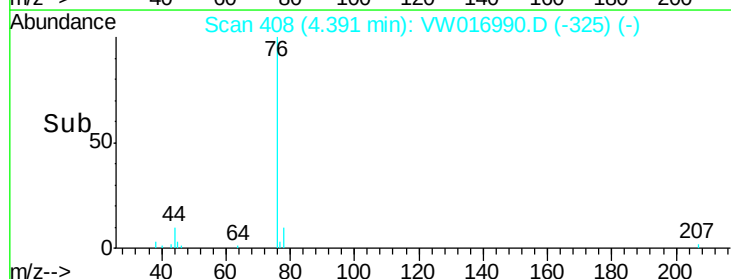
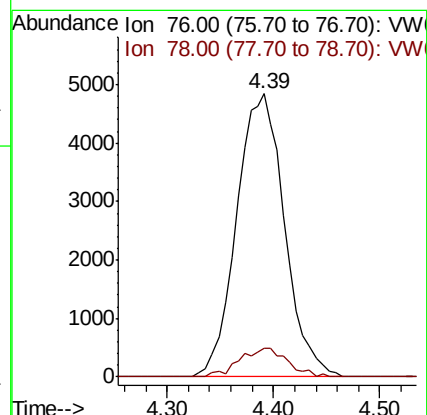
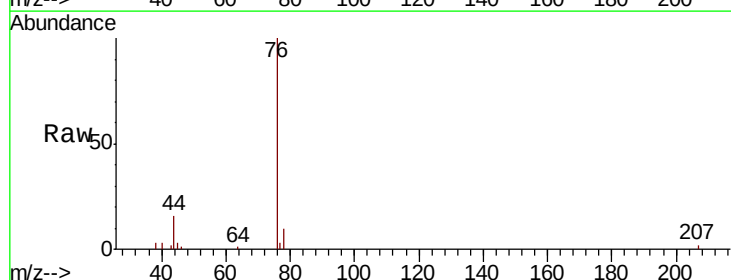
Acq: 26 Oct 2020 11:50

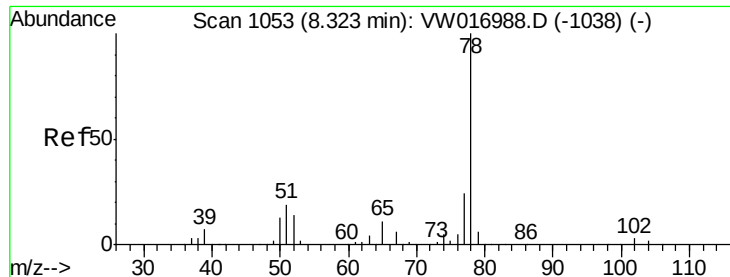
Tgt Ion: 76 Resp: 15242

Ion Ratio Lower Upper

76 100

78 10.3 7.3 10.9





#34

Benzene

Concen: 0.680 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW016990.D

Acq: 26 Oct 2020 11:50

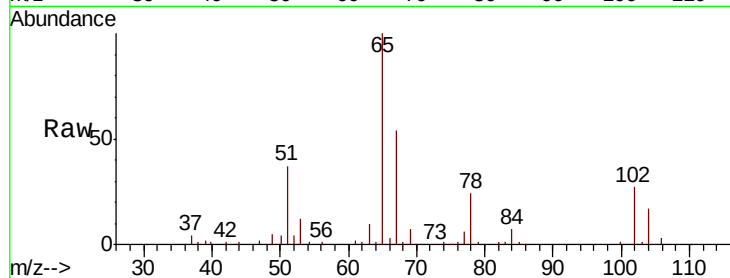
Instrument :

MSVOA_W

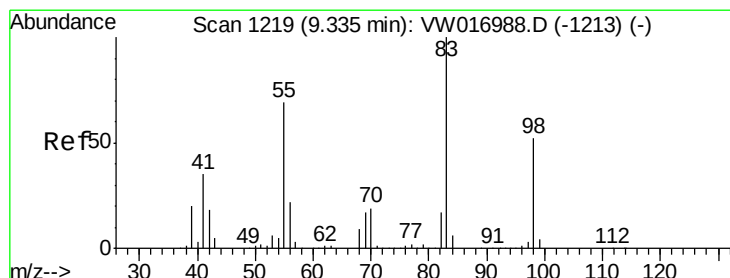
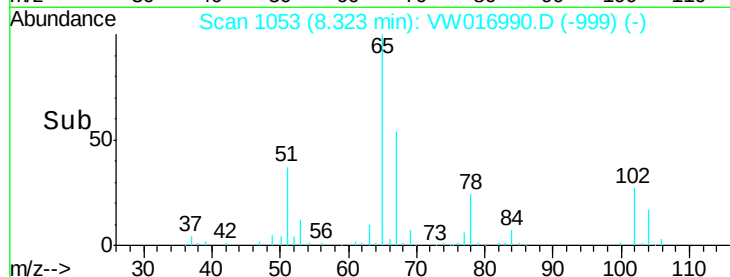
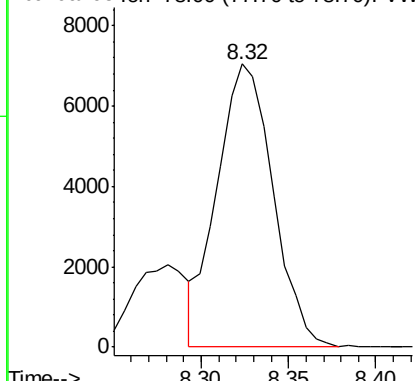
ClientSampleId :

BG437

Tgt Ion: 78 Resp: 15636



Abundance Ion 78.00 (77.70 to 78.70): VW



#36

Methylcyclohexane

Concen: 3.922 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.06 min

Lab File: VW016990.D

Acq: 26 Oct 2020 11:50

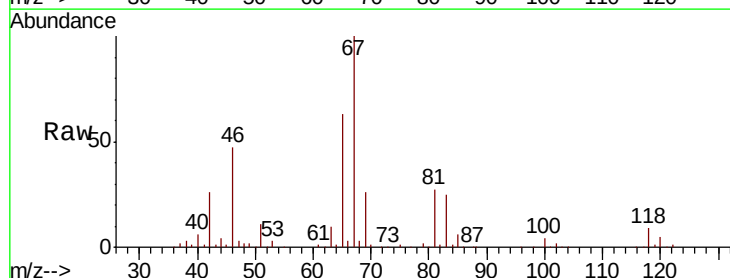
Tgt Ion: 83 Resp: 41922

Ion Ratio Lower Upper

83 100

55 0.7 54.5 81.7#

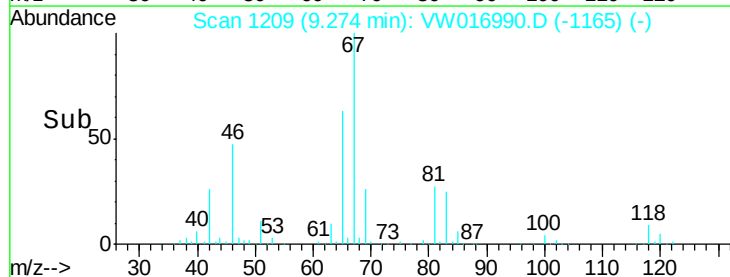
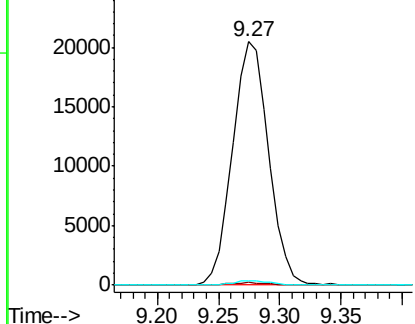
98 1.7 40.8 61.2#

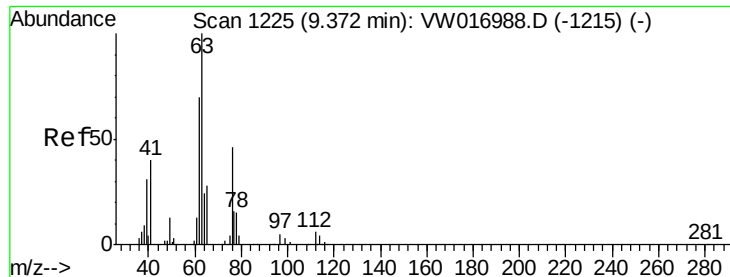


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 3.360 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.10 min

Lab File: VW016990.D

Acq: 26 Oct 2020 11:50

Instrument :

MSVOA_W

ClientSampleId :

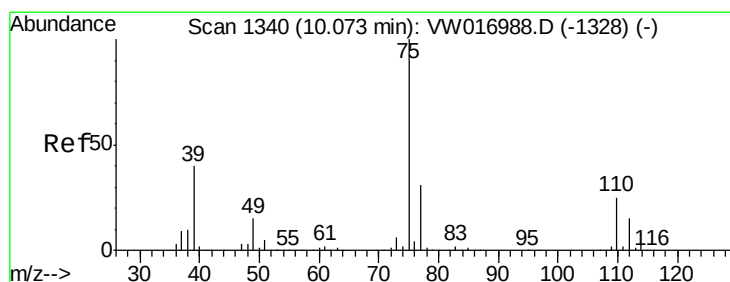
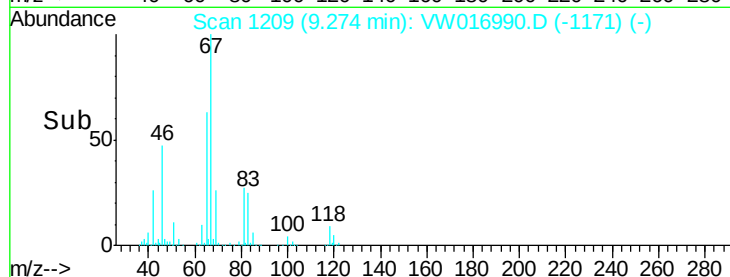
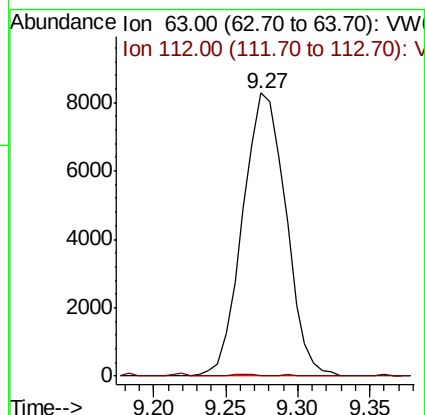
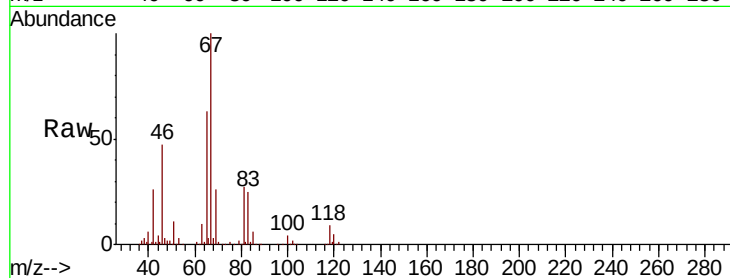
BG437

Tot Ion: 63 Resp: 17246

Ion Ratio Lower Upper

63 100

112 0.4 4.5 6.7#



#42

cis-1,3-Dichloropropene

Concen: 0.502 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW016990.D

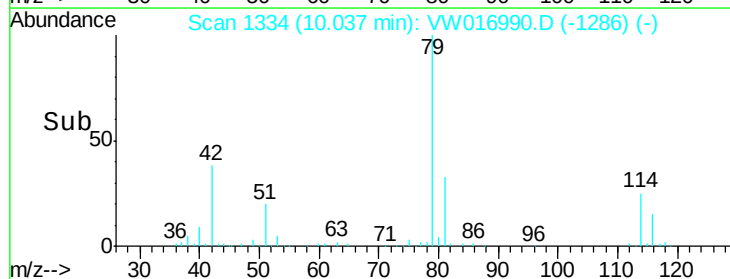
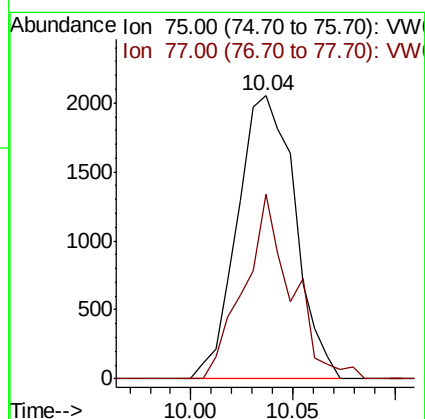
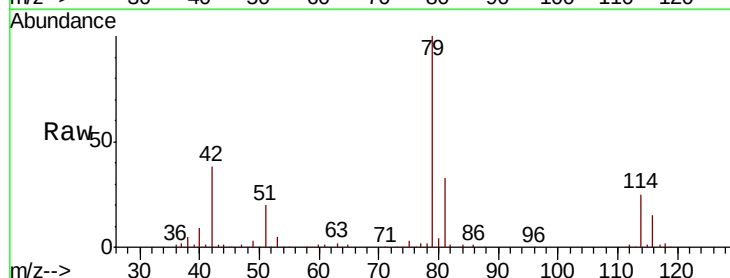
Acq: 26 Oct 2020 11:50

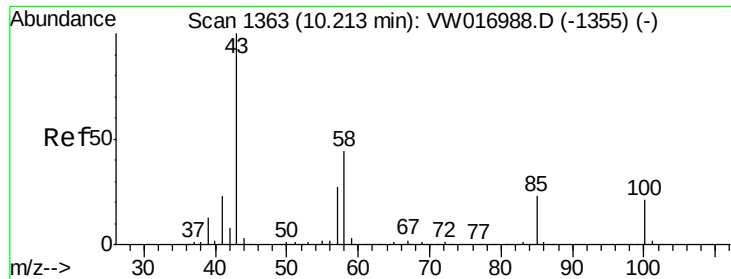
Tgt Ion: 75 Resp: 4029

Ion Ratio Lower Upper

75 100

77 65.1 22.7 42.1#

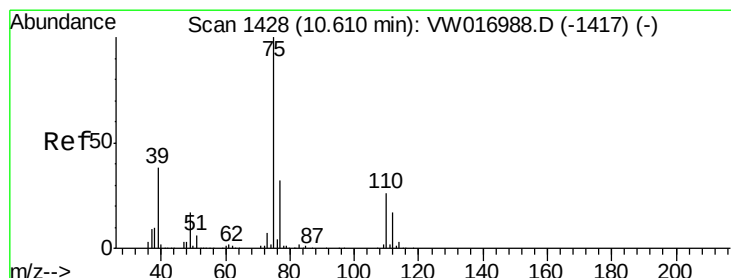
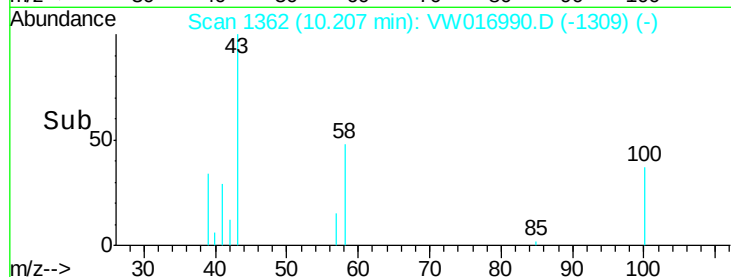
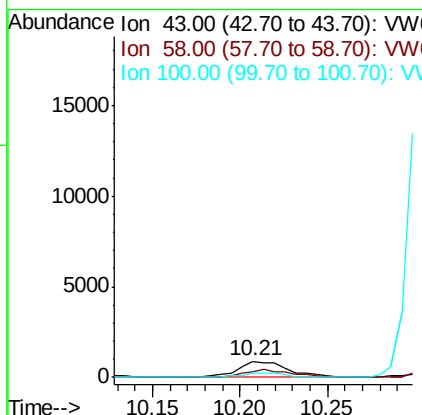
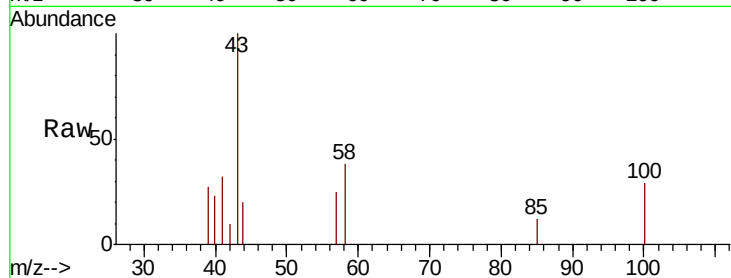




#43
4-Methyl-2-pentanone
Concen: 0.725 ug/L
RT: 10.21 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VW016990.D
Acq: 26 Oct 2020 11:50

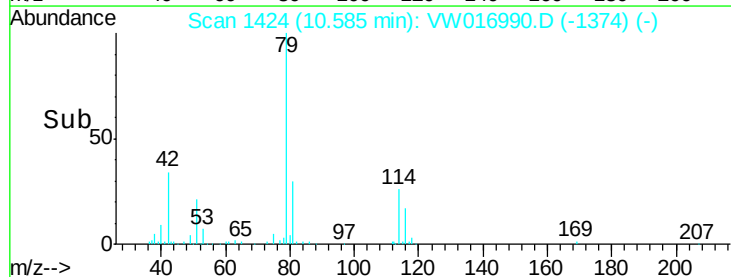
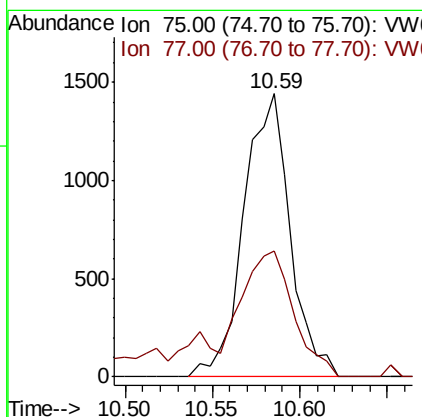
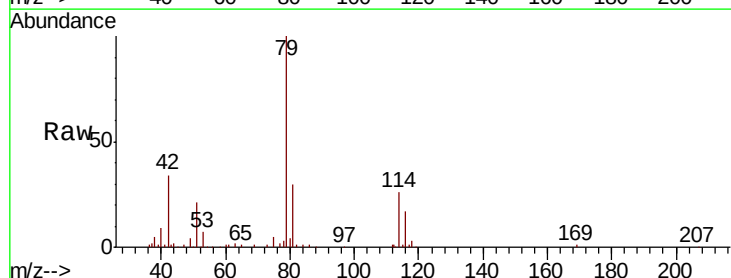
Instrument :
MSVOA_W
ClientSampled :
BG437

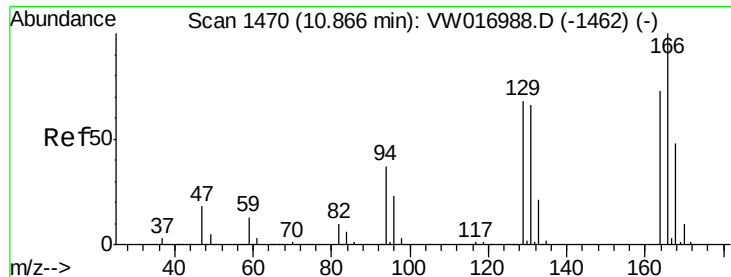
Tot Ion: 43 Resp: 1764
Ion Ratio Lower Upper
43 100
58 42.7 34.4 51.6
100 20.8 16.2 24.2



#45
trans-1,3-Dichloropropene
Concen: 0.398 ug/L
RT: 10.59 min Scan# 1424
Delta R.T. -0.02 min
Lab File: VW016990.D
Acq: 26 Oct 2020 11:50

Tgt Ion: 75 Resp: 2644
Ion Ratio Lower Upper
75 100
77 44.5 22.7 42.3#

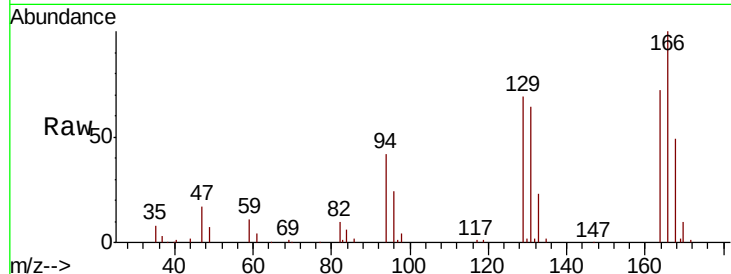




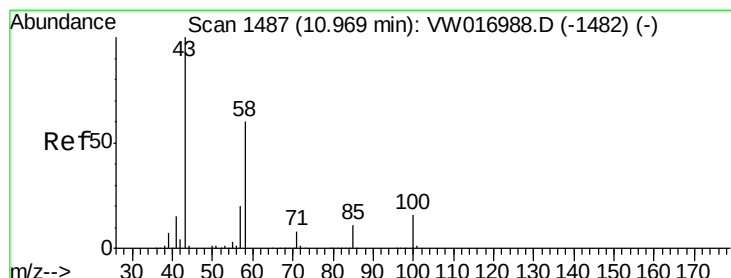
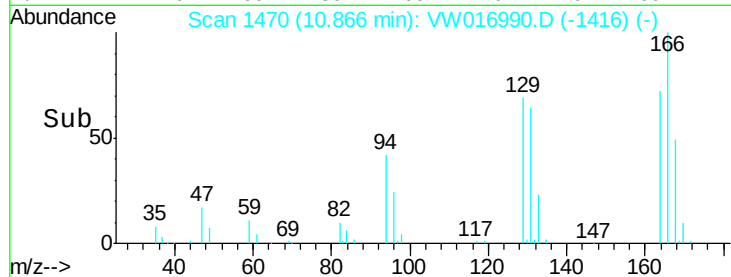
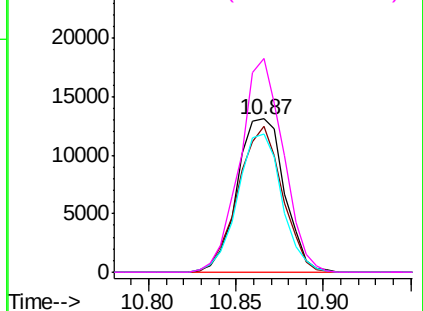
#47
Tetrachloroethene
Concen: 4.201 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW016990.D
Acq: 26 Oct 2020 11:50

Instrument :
MSVOA_W
ClientSampled :
BG437

Tot Ion:164 Resp: 24597
Ion Ratio Lower Upper
164 100
129 95.7 64.0 119.0
131 89.9 61.7 114.5
166 139.5 94.6 175.8

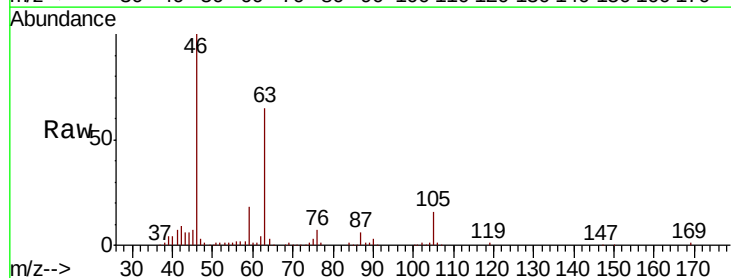


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

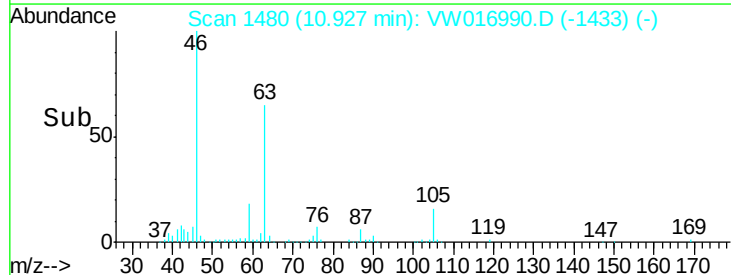
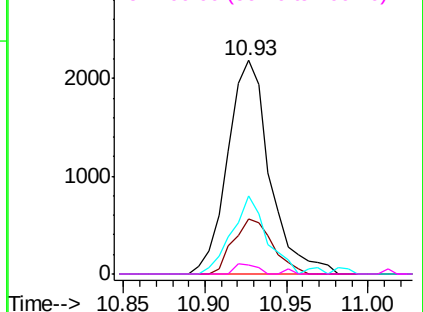


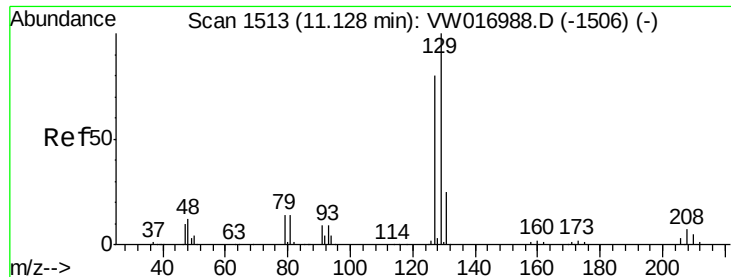
#49
2-Hexanone
Concen: 2.539 ug/L
RT: 10.93 min Scan# 1480
Delta R.T. -0.04 min
Lab File: VW016990.D
Acq: 26 Oct 2020 11:50

Tgt Ion: 43 Resp: 3936
Ion Ratio Lower Upper
43 100
58 23.9 49.2 73.8#
57 30.0 17.0 25.4#
100 2.4 13.2 19.8#



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: 4.394 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.26 min

Lab File: VW016990.D

Acq: 26 Oct 2020 11:50

Instrument :

MSVOA_W

ClientSampleId :

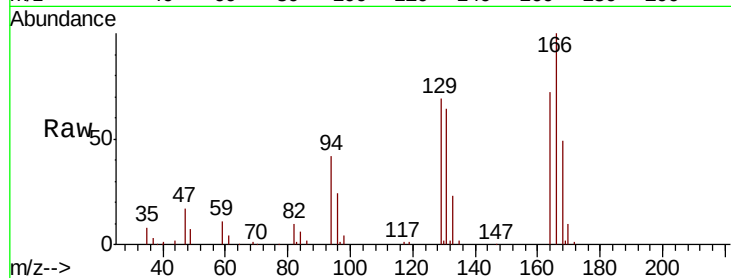
BG437

Tot Ion:129 Resp: 21989

Ion Ratio Lower Upper

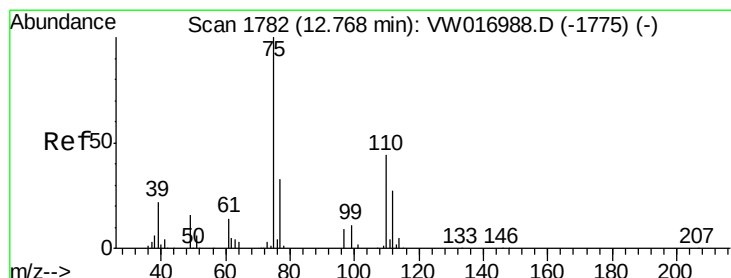
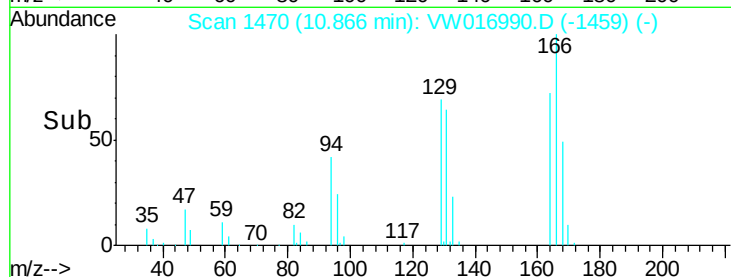
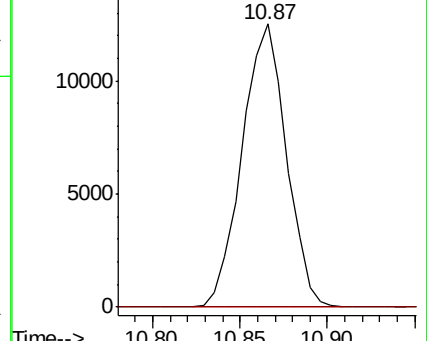
129 100

127 0.0 55.4 102.8#



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: 4.648 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016990.D

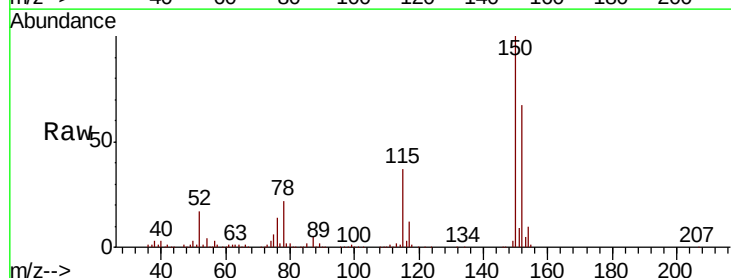
Acq: 26 Oct 2020 11:50

Tgt Ion: 75 Resp: 14668

Ion Ratio Lower Upper

75 100

77 37.6 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

