

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101620\
 Data File : VW016913.D
 Acq On : 15 Oct 2020 15:46
 Operator : SY/VA
 Sample : L4421-17
 Misc : 6.37G/10ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG1A3

Quant Time: Oct 16 08:15:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 16 08:07:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	594806	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	534101	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	254142	25.00	ug/L	0.00

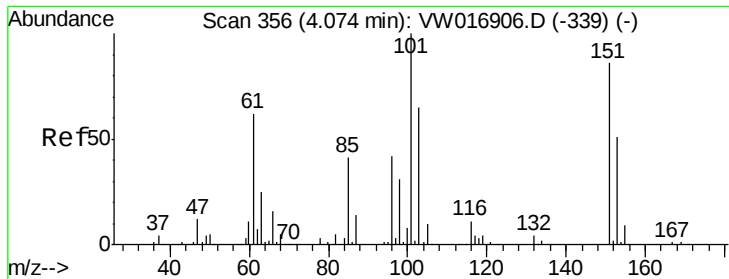
System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	125573	21.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.60%
7) Chloroethane-d5	2.90	69	108314	22.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.00%
10) 1,1-Dichloroethene-d2	4.02	63	194550	15.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.44%
20) 2-Butanone-d5	7.09	46	57733	43.44	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.88%
24) Chloroform-d	7.65	84	293053	23.35	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	8.31	65	147333	24.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.20%
29) Benzene-d6	8.27	84	591697	24.39	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.56%
33) 1,2-Dichloropropane-d6	9.27	67	164846	25.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.16%
37) Toluene-d8	10.33	98	558203	24.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.56%
38) trans-1,3-Dichloropropene-	10.58	79	64665	22.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.96%
39) 2-Hexanone-d5	10.93	63	47218	46.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.68%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	124696	23.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.72%
61) 1,2-Dichlorobenzene-d4	13.85	152	205001	25.43	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.72%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	4.03	101	2334	0.291	ug/L #	17
13) Acetone	4.16	43	1082	1.076	ug/L	55
16) Methylene chloride	4.92	84	22583	2.751	ug/L	91
21) 2-Butanone	7.15	43	1572	0.931	ug/L #	42
35) Trichloroethene	8.85	95	17243	2.125	ug/L #	2
40) 1,2-Dichloropropane	9.28	63	18395	2.836	ug/L #	84
45) trans-1,3-Dichloropropene	10.58	75	2875	0.330	ug/L	93
47) Tetrachloroethene	10.87	164	8681	1.154	ug/L	85
50) Dibromochloromethane	10.87	129	8017	1.223	ug/L #	11
59) 1,2,3-Trichloropropane	13.56	75	26797	6.349	ug/L	94

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



#11

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

Concen: 0.291 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.05 min

Lab File: VW016913.D

Acq: 15 Oct 2020 15:46

Instrument :

MSVOA_W

ClientSampleId :

BG1A3

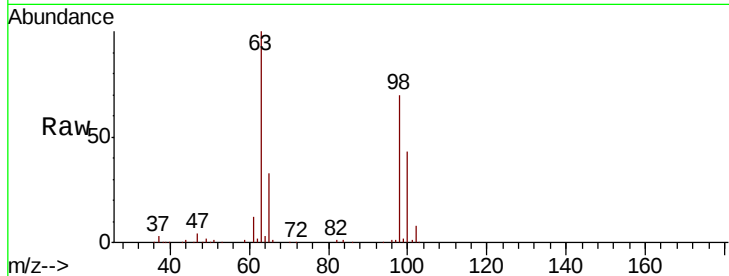
Tot Ion:101 Resp: 2334

Ion Ratio Lower Upper

101 100

85 0.0 31.7 47.5#

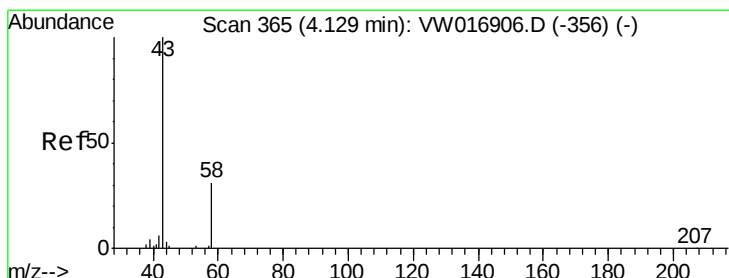
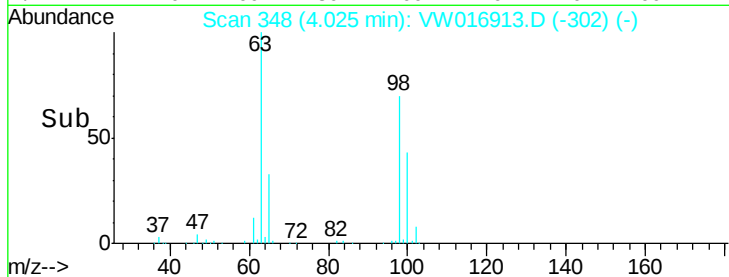
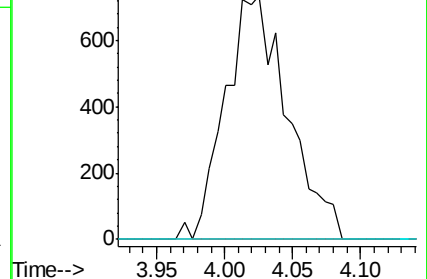
151 0.0 66.6 99.8#



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: 1.076 ug/L

RT: 4.16 min Scan# 370

Delta R.T. 0.03 min

Lab File: VW016913.D

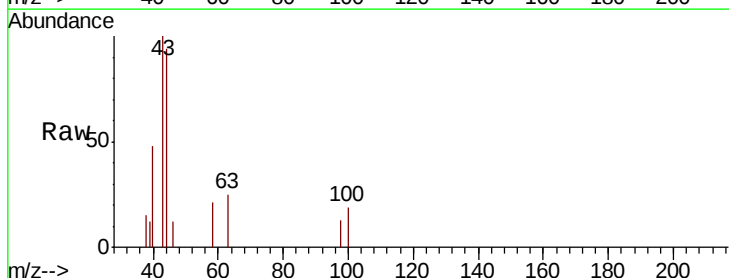
Acq: 15 Oct 2020 15:46

Tgt Ion: 43 Resp: 1082

Ion Ratio Lower Upper

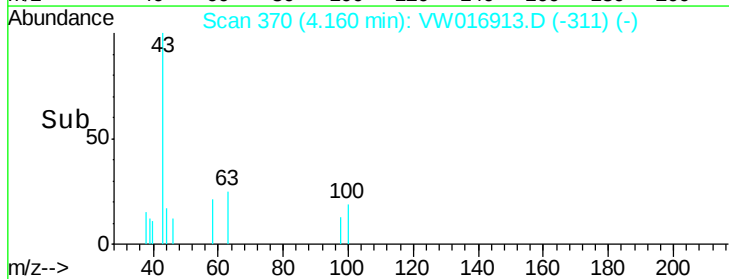
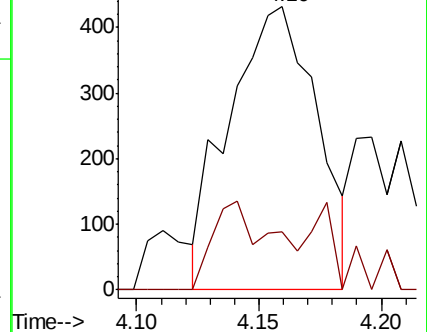
43 100

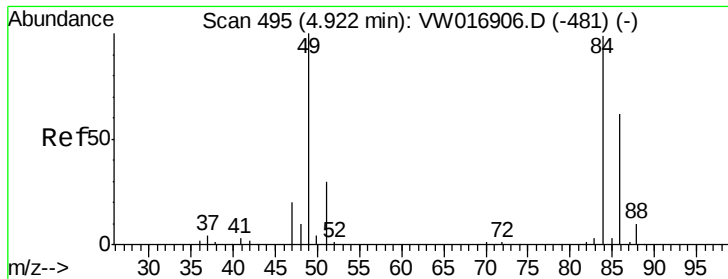
58 7.9 0.0 67.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

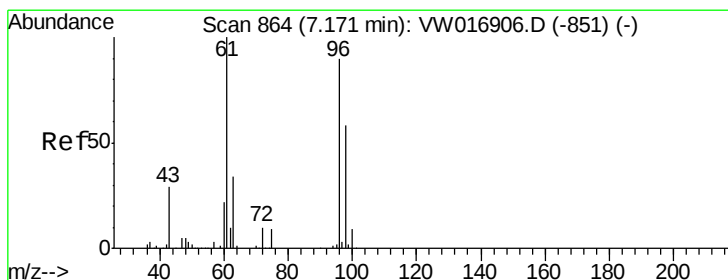
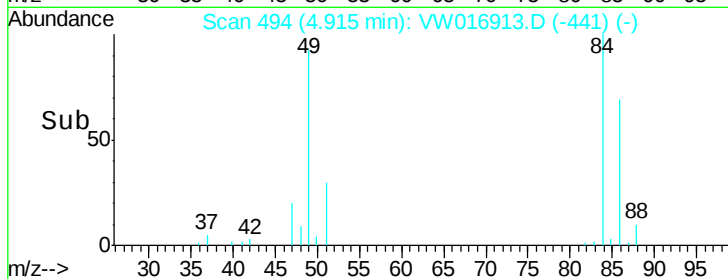
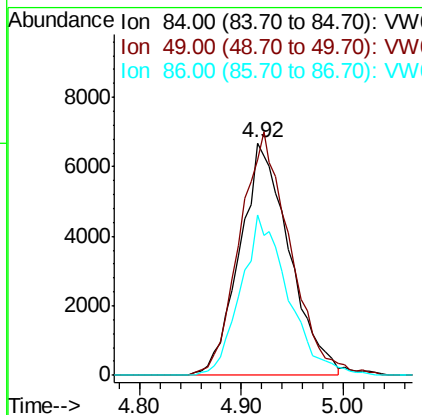
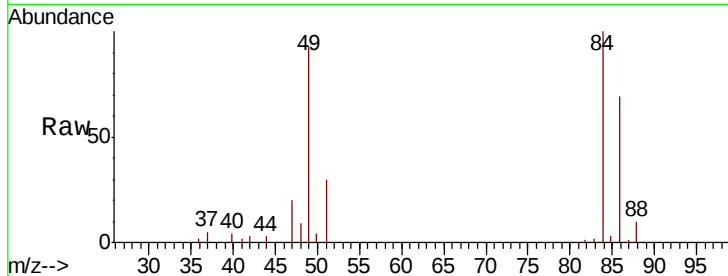




#16
Methvlene chloride
Concen: 2.751 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW016913.D
Acq: 15 Oct 2020 15:46

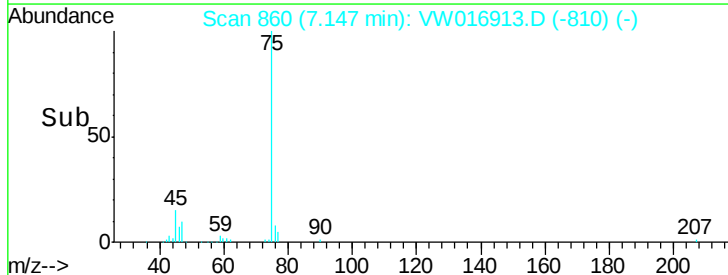
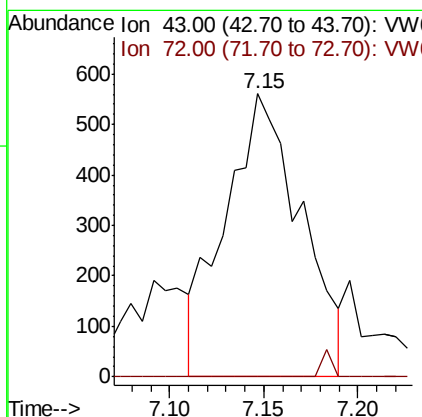
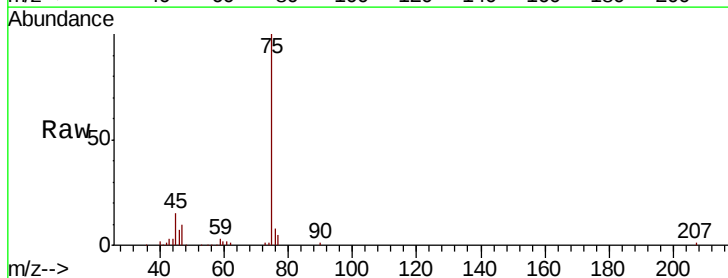
Instrument :
MSVOA_W
ClientSampleId :
BG1A3

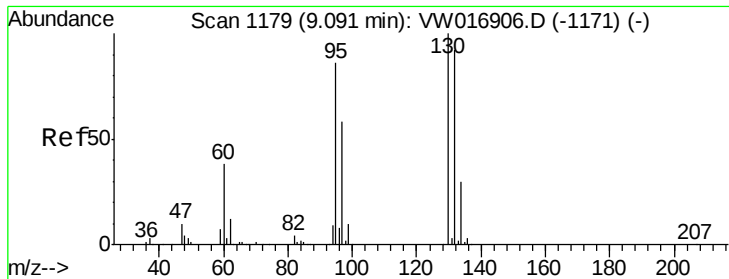
Tot Ion: 84 Resp: 22583
Ion Ratio Lower Upper
84 100
49 92.5 73.1 135.8
86 69.1 46.0 85.4



#21
2-Butanone
Concen: 0.931 ug/L
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW016913.D
Acq: 15 Oct 2020 15:46

Tgt Ion: 43 Resp: 1572
Ion Ratio Lower Upper
43 100
72 0.0 16.2 48.5#





#35

Trichloroethene

Concen: 2.125 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.24 min

Lab File: VW016913.D

Acq: 15 Oct 2020 15:46

Instrument :

MSVOA_W

ClientSampleId :

BG1A3

Tot Ion: 95 Resp: 17243

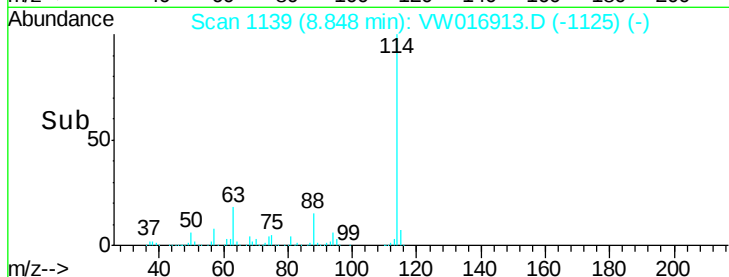
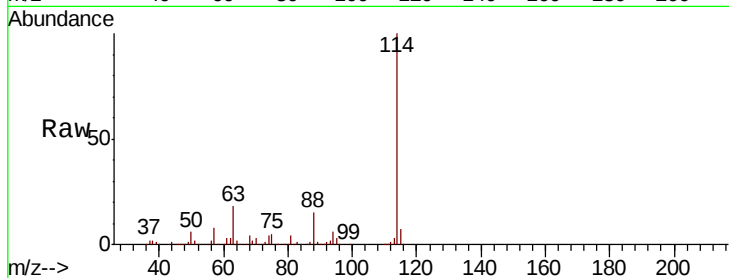
Ion Ratio Lower Upper

95 100

97 0.0 44.7 83.1#

132 0.0 73.8 137.2#

130 0.0 77.1 143.3#

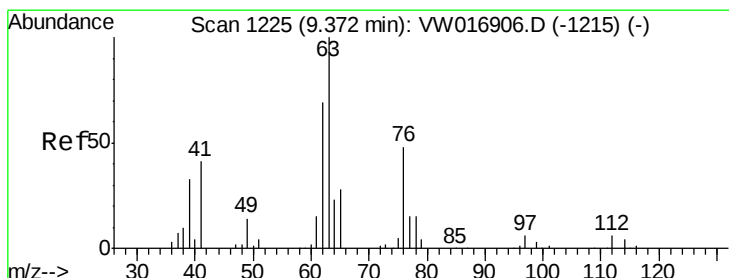
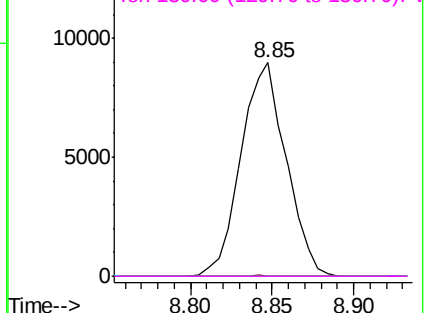


Abundance Ion 95.00 (94.70 to 95.70): VW016913.D (-1125) (-)

Ion 97.00 (96.70 to 97.70): VW016913.D (-1125) (-)

Ion 132.00 (131.70 to 132.70): VW016913.D (-1125) (-)

Ion 130.00 (129.70 to 130.70): VW016913.D (-1125) (-)



#40

1,2-Dichloropropane

Concen: 2.836 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.09 min

Lab File: VW016913.D

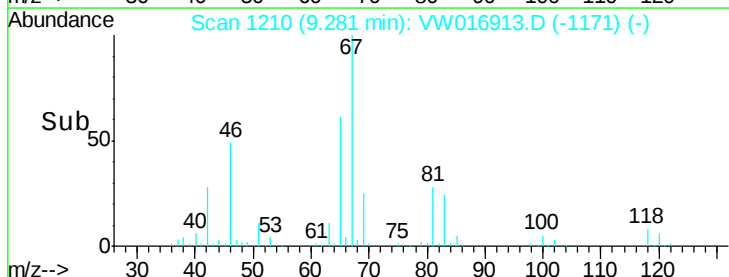
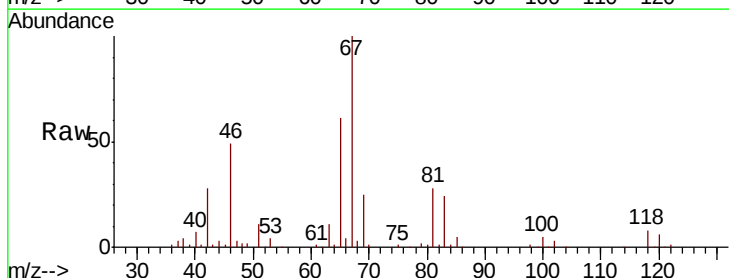
Acq: 15 Oct 2020 15:46

Tgt Ion: 63 Resp: 18395

Ion Ratio Lower Upper

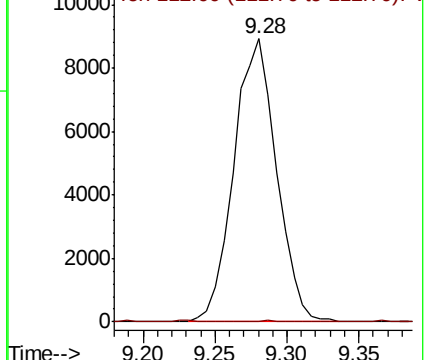
63 100

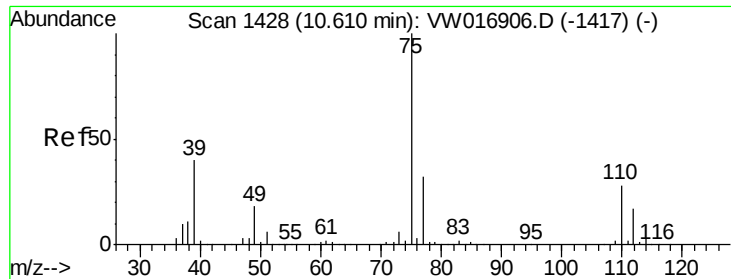
112 0.2 4.5 6.7#



Abundance Ion 63.00 (62.70 to 63.70): VW016913.D (-1171) (-)

Ion 112.00 (111.70 to 112.70): VW016913.D (-1171) (-)





#45

trans-1,3-Dichloropropene

Concen: 0.330 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW016913.D

Acq: 15 Oct 2020 15:46

Instrument :

MSVOA_W

ClientSampleId :

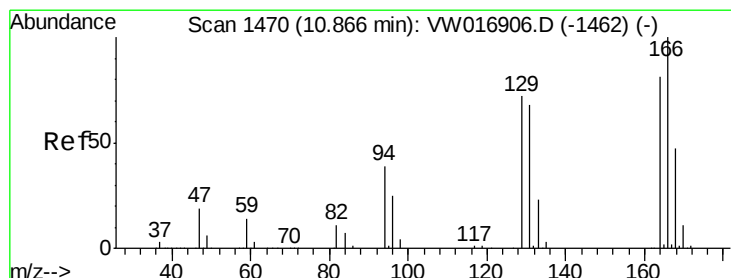
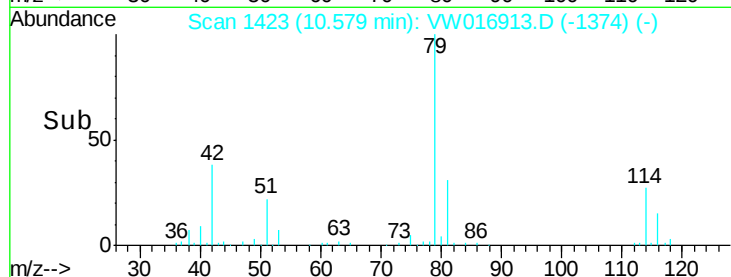
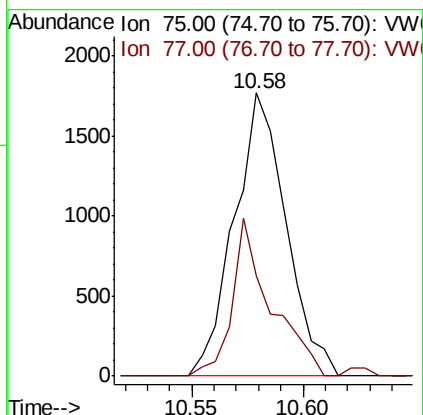
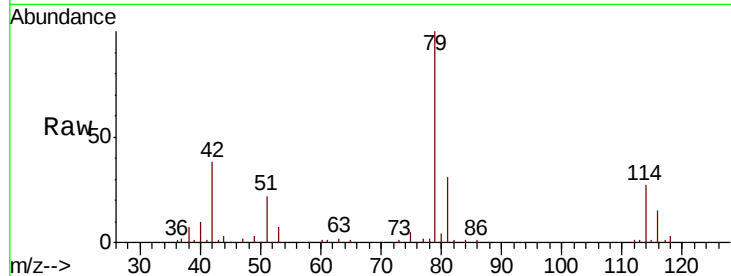
BG1A3

Tot Ion: 75 Resp: 2875

Ion Ratio Lower Upper

75 100

77 35.5 22.2 41.2



#47

Tetrachloroethene

Concen: 1.154 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016913.D

Acq: 15 Oct 2020 15:46

Tgt Ion: 164 Resp: 8681

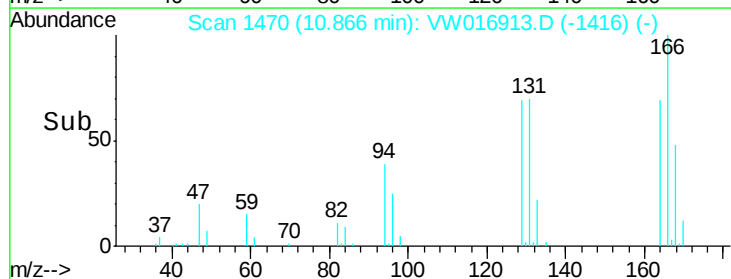
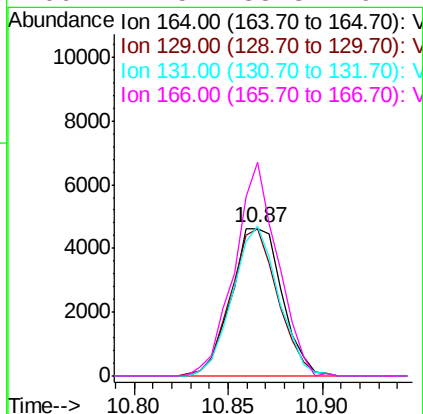
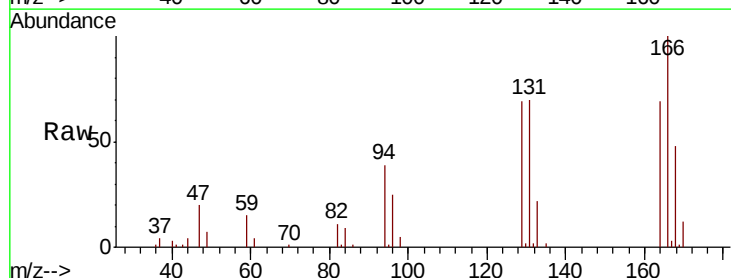
Ion Ratio Lower Upper

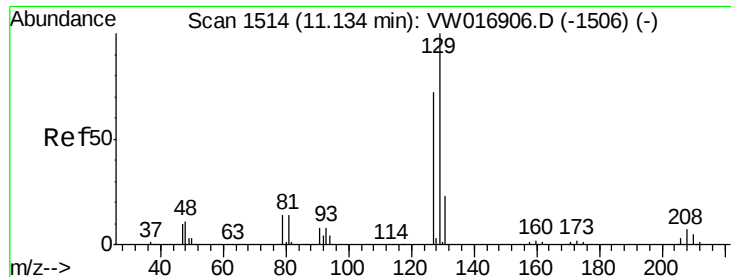
164 100

129 99.7 61.7 114.7

131 100.9 59.7 110.9

166 144.5 88.3 164.1





#50

Dibromochloromethane

Concen: 1.223 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.27 min

Lab File: VW016913.D

Acq: 15 Oct 2020 15:46

Instrument :

MSVOA_W

ClientSampleId :

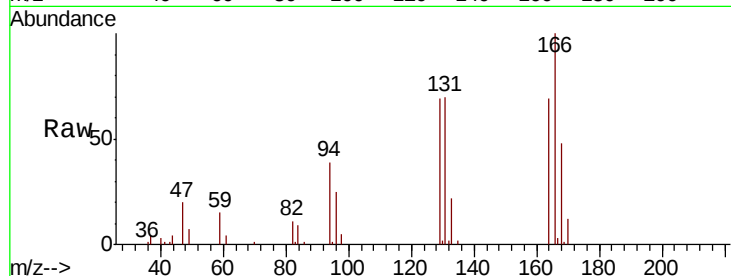
BG1A3

Tot Ion:129 Resp: 8017

Ion Ratio Lower Upper

129 100

127 0.0 54.0 100.4#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.87

5000

4000

3000

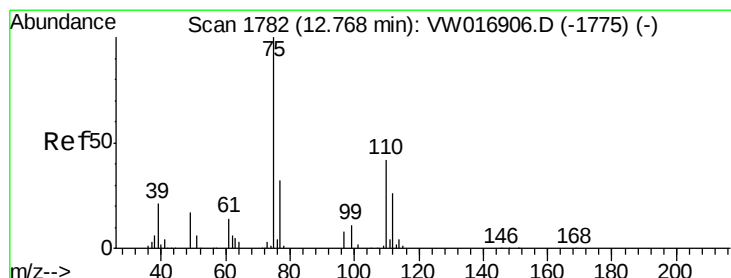
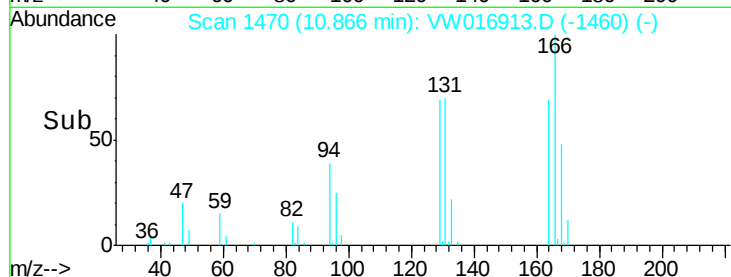
2000

1000

0

Time-->

10.80 10.85 10.90



#59

1,2,3-Trichloropropane

Concen: 6.349 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016913.D

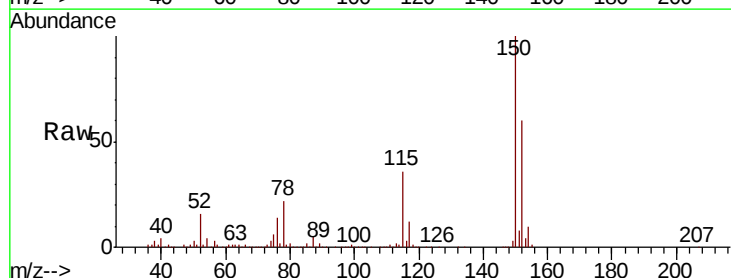
Acq: 15 Oct 2020 15:46

Tgt Ion: 75 Resp: 26797

Ion Ratio Lower Upper

75 100

77 35.8 26.2 39.2



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

