

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV101620\
 Data File : VW016909.D
 Acq On : 15 Oct 2020 14:12
 Operator : SY/VA
 Sample : L4421-13
 Misc : 5.68G/10ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG196

Quant Time: Oct 16 08:14:56 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	636731	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	578159	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	273215	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	148421	23.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.52%
7) Chloroethane-d5	2.89	69	127234	24.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.60%
10) 1,1-Dichloroethene-d2	4.02	63	231630	17.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.48%
20) 2-Butanone-d5	7.09	46	62974	44.26	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.52%
24) Chloroform-d	7.65	84	336338	25.03	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.12%
26) 1,2-Dichloroethane-d4	8.30	65	166357	25.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.56%
29) Benzene-d6	8.27	84	679693	25.88	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.52%
33) 1,2-Dichloropropane-d6	9.27	67	187256	26.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.16%
37) Toluene-d8	10.32	98	628758	25.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.52%
38) trans-1,3-Dichloropropene-	10.58	79	74478	23.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.72%
39) 2-Hexanone-d5	10.93	63	54242	49.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.40%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	140007	24.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.24%
61) 1,2-Dichlorobenzene-d4	13.86	152	235509	27.18	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.72%

Target Compounds

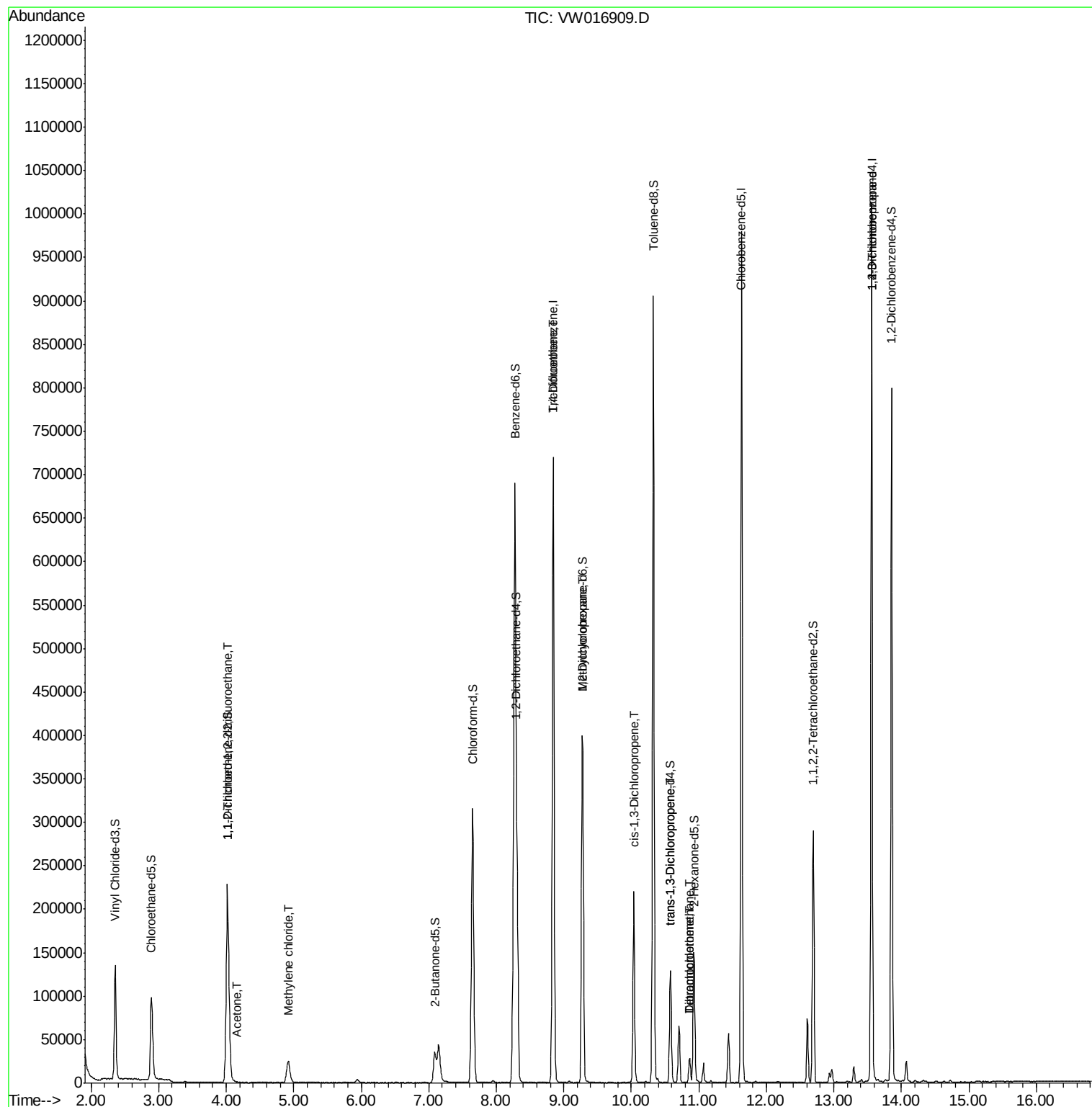
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	4.01	101	2613	0.305	ug/L #	17
13) Acetone	4.16	43	1849	1.717	ug/L	51
16) Methylene chloride	4.92	84	23272	2.648	ug/L	97
35) Trichloroethene	8.84	95	18462	2.102	ug/L #	2
36) Methylcyclohexane	9.27	83	48619	3.293	ug/L #	22
42) cis-1,3-Dichloropropene	10.04	75	5542	0.495	ug/L #	72
45) trans-1,3-Dichloropropene	10.58	75	3528	0.375	ug/L	92
47) Tetrachloroethene	10.87	164	6745	0.828	ug/L	94
50) Dibromochloromethane	10.87	129	6279	0.885	ug/L #	11
59) 1,2,3-Trichloropropane	13.56	75	28858	6.316	ug/L	92

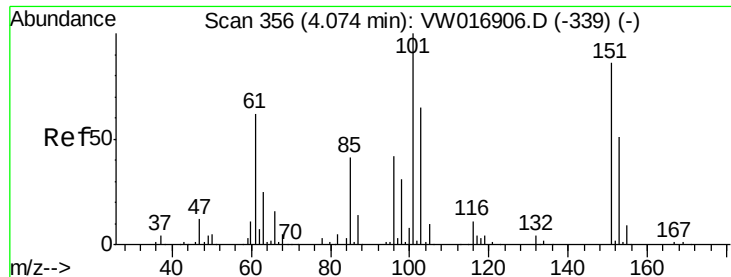
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

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

Concen: 0.305 ug/L

RT: 4.01 min Scan# 346

Delta R.T. -0.06 min

Lab File: VW016909.D

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Instrument :

MSVOA_W

ClientSampleId :

BG196

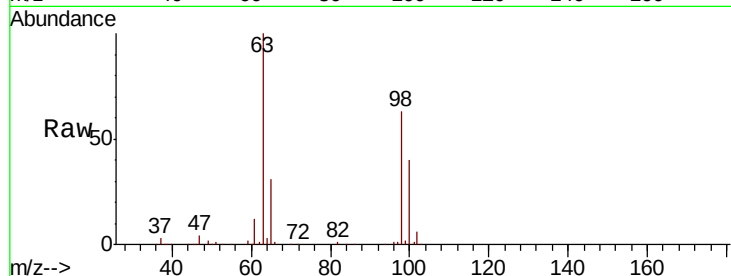
Tot Ion:101 Resp: 2613

Ion Ratio Lower Upper

101 100

85 0.0 31.7 47.5#

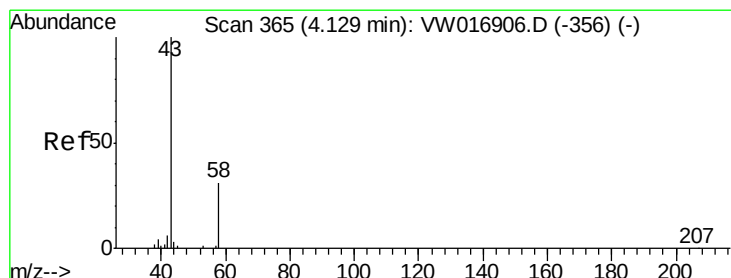
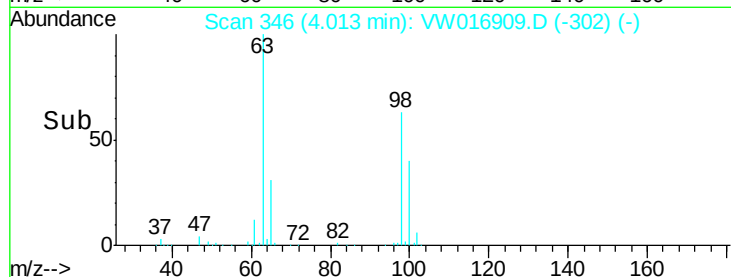
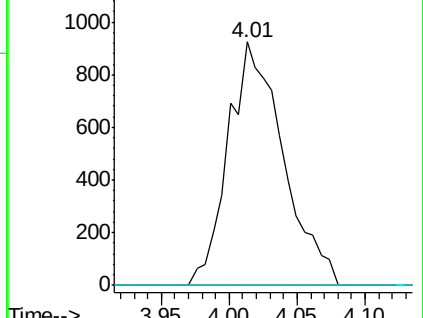
151 0.0 66.6 99.8#



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: 1.717 ug/L

RT: 4.16 min Scan# 370

Delta R.T. 0.03 min

Lab File: VW016909.D

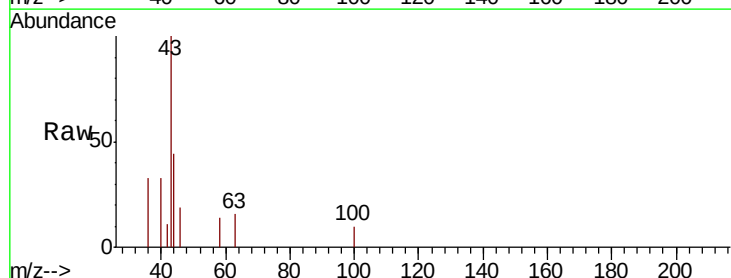
Acq: 15 Oct 2020 14:12

Tgt Ion: 43 Resp: 1849

Ion Ratio Lower Upper

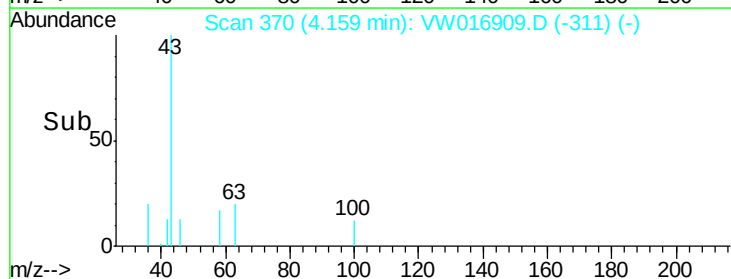
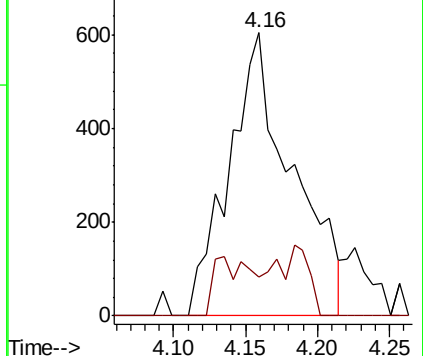
43 100

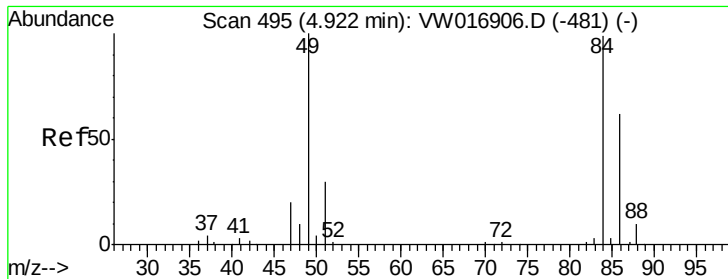
58 5.9 0.0 67.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

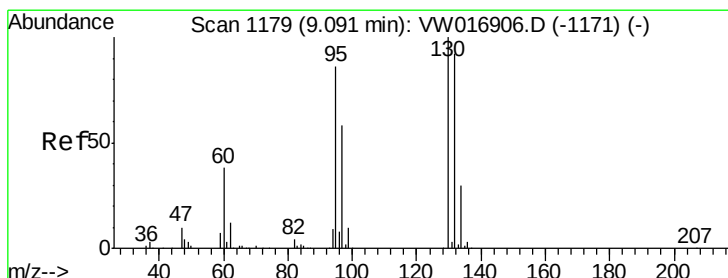
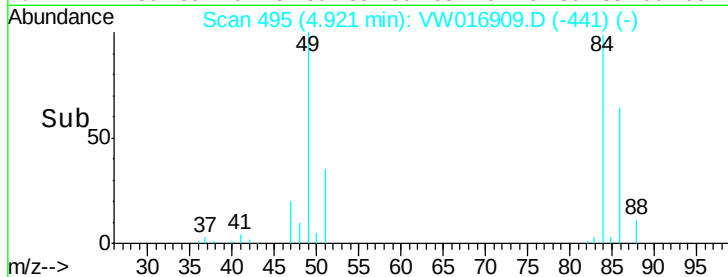
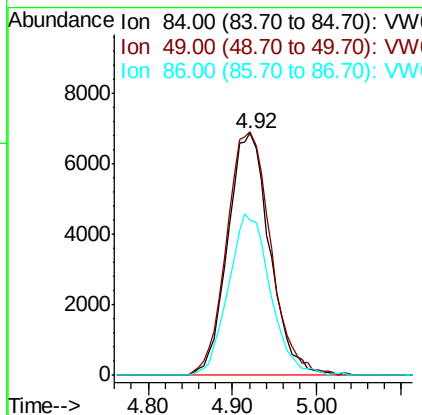
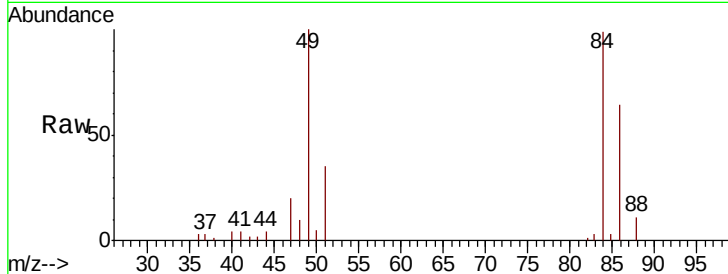




#16
Methvlene chloride
Concen: 2.648 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW016909.D
Acq: 15 Oct 2020 14:12

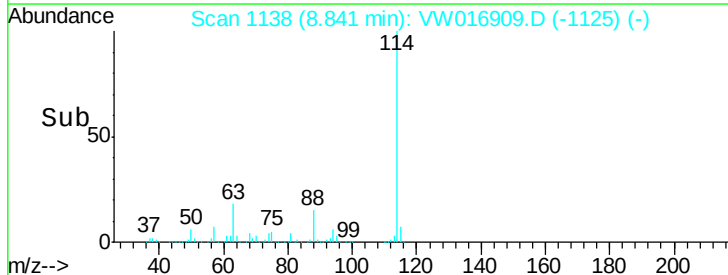
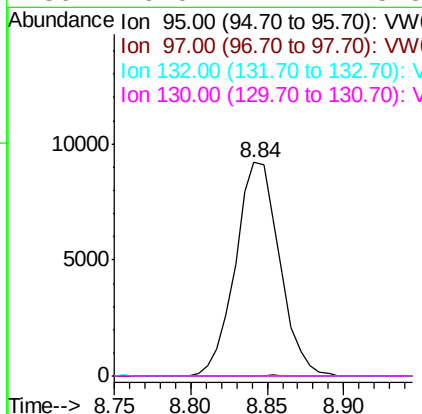
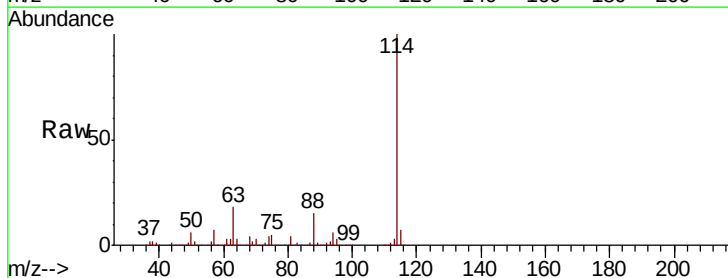
Instrument :
MSVOA_W
ClientSampleId :
BG196

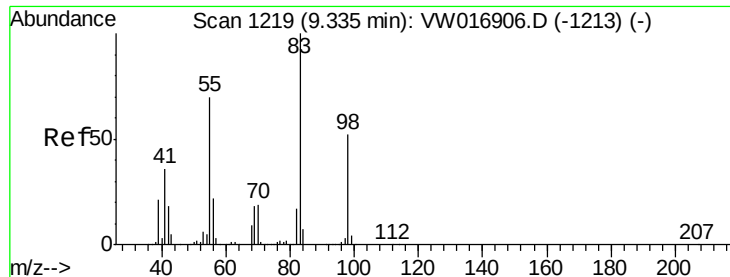
Tot Ion: 84 Resp: 23272
Ion Ratio Lower Upper
84 100
49 100.6 73.1 135.8
86 63.9 46.0 85.4



#35
Trichloroethene
Concen: 2.102 ug/L
RT: 8.84 min Scan# 1138
Delta R.T. -0.25 min
Lab File: VW016909.D
Acq: 15 Oct 2020 14:12

Tgt Ion: 95 Resp: 18462
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#

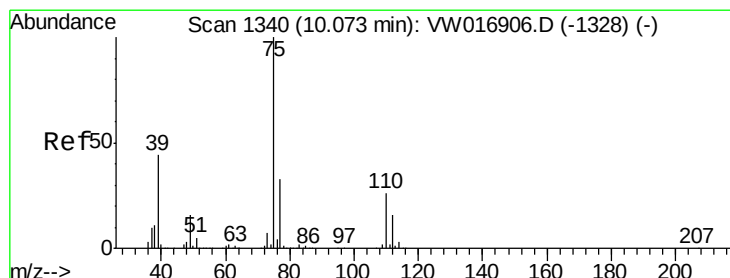
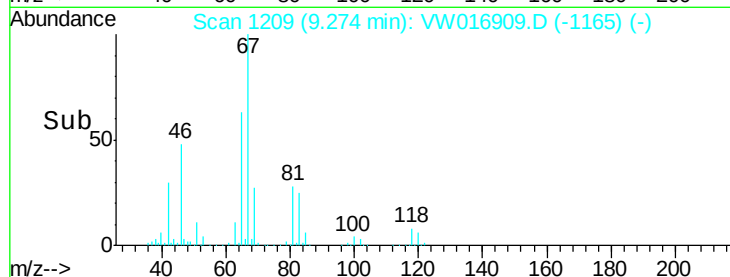
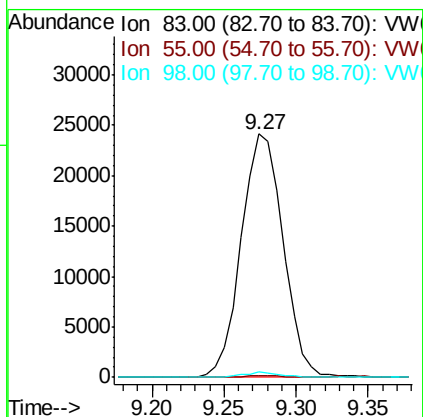
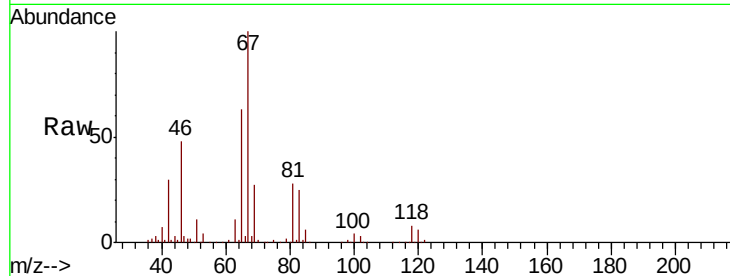




#36
Methylcyclohexane
Concen: 3.293 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.06 min
Lab File: VW016909.D
Acq: 15 Oct 2020 14:12

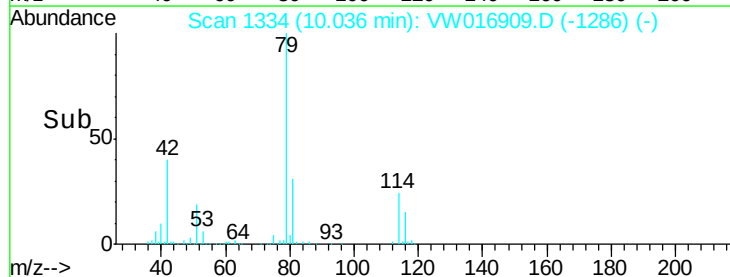
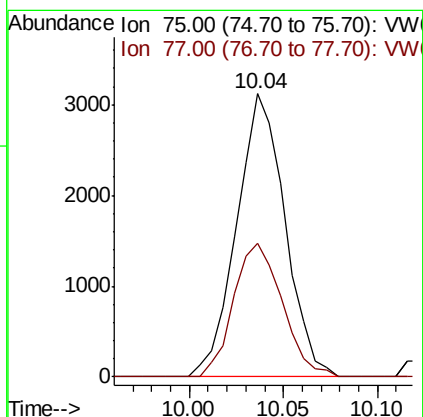
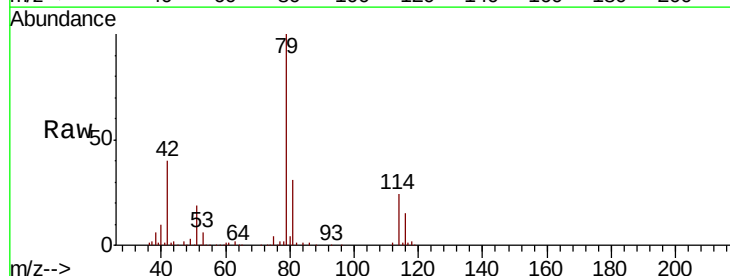
Instrument :
MSVOA_W
ClientSampled :
BG196

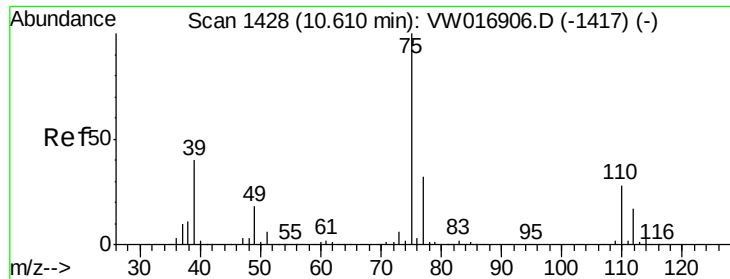
Tot Ion: 83 Resp: 48619
Ion Ratio Lower Upper
83 100
55 0.7 54.2 81.4#
98 1.9 41.4 62.2#



#42
cis-1,3-Dichloropropene
Concen: 0.495 ug/L
RT: 10.04 min Scan# 1334
Delta R.T. -0.04 min
Lab File: VW016909.D
Acq: 15 Oct 2020 14:12

Tgt Ion: 75 Resp: 5542
Ion Ratio Lower Upper
75 100
77 47.0 22.1 41.1#





#45

trans-1,3-Dichloropropene

Concen: 0.375 ug/L

RT: 10.58 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW016909.D

Acq: 15 Oct 2020 14:12

Instrument :

MSVOA_W

ClientSampleId :

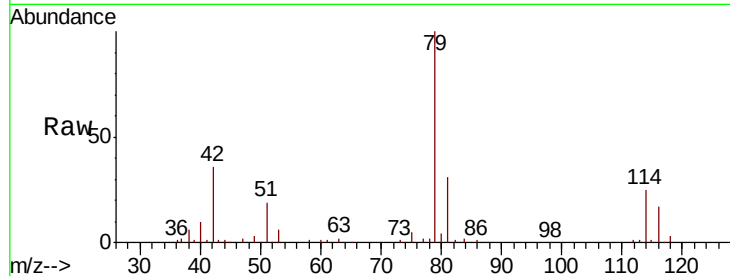
BG196

Tot Ion: 75 Resp: 3528

Ion Ratio Lower Upper

75 100

77 36.3 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.58

2000

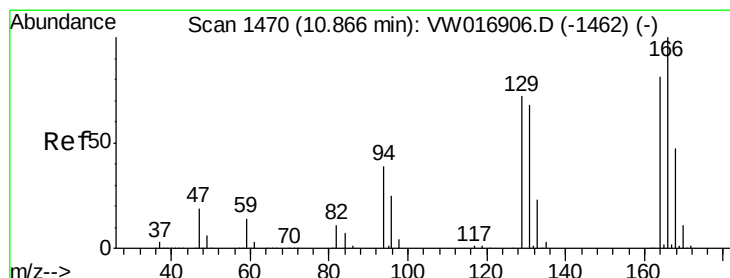
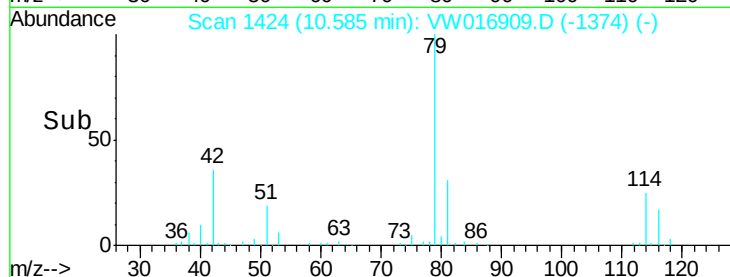
1500

1000

500

0

Time-->



#47

Tetrachloroethene

Concen: 0.828 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016909.D

Acq: 15 Oct 2020 14:12

Tgt Ion: 164 Resp: 6745

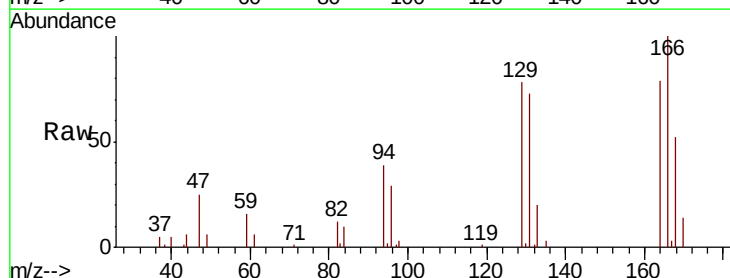
Ion Ratio Lower Upper

164 100

129 99.4 61.7 114.7

131 92.9 59.7 110.9

166 126.9 88.3 164.1



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

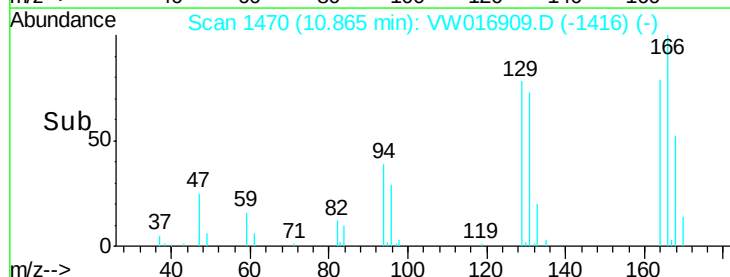
6000

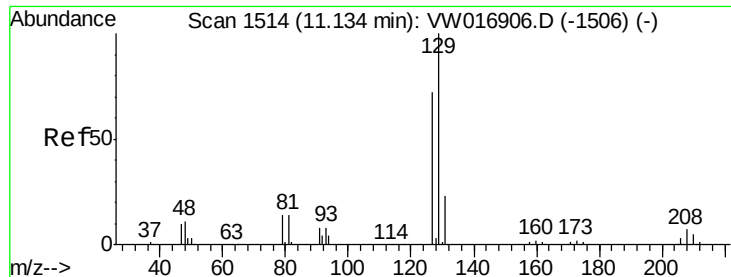
4000

2000

0

Time-->





#50

Dibromochloromethane

Concen: 0.885 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.27 min

Lab File: VW016909.D

Acq: 15 Oct 2020 14:12

Instrument :

MSVOA_W

ClientSampleId :

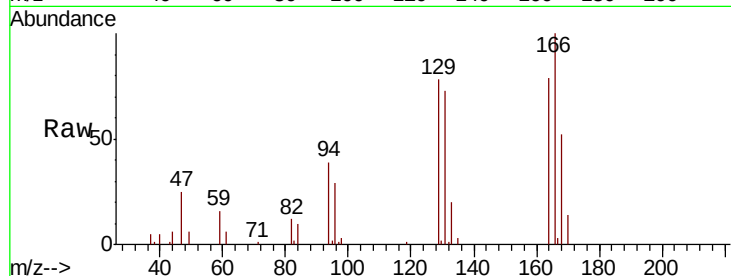
BG196

Tot Ion:129 Resp: 6279

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

4000

3000

2000

1000

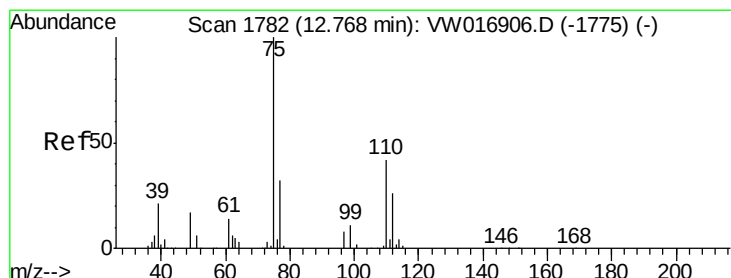
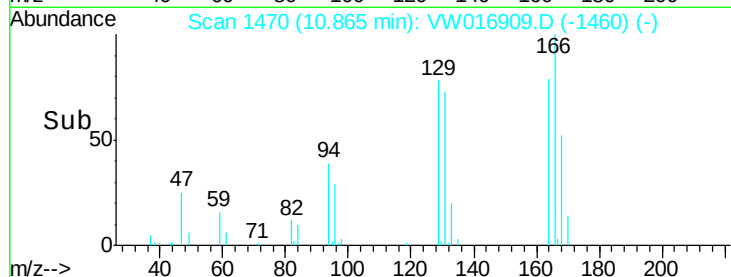
0

Time-->

10.80

10.85

10.90



#59

1,2,3-Trichloropropane

Concen: 6.316 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016909.D

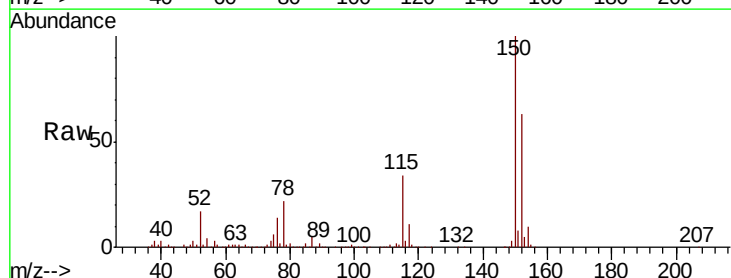
Acq: 15 Oct 2020 14:12

Tgt Ion: 75 Resp: 28858

Ion Ratio Lower Upper

75 100

77 37.4 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

20000

15000

10000

5000

0

Time-->

13.50

13.55

13.60

