

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102820\
 Data File : VW017013.D
 Acq On : 28 Oct 2020 15:59
 Operator : SY/VA
 Sample : VIBLK
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 29 08:09:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 29 08:01:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	471341	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	449064	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	219144	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	114014	20.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.84%
7) Chloroethane-d5	2.89	69	94761	22.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.92%
10) 1,1-Dichloroethene-d2	4.03	63	171991	16.25	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.00%
20) 2-Butanone-d5	7.07	46	78426	76.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	153.06%#
24) Chloroform-d	7.65	84	269615	24.80	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	8.31	65	144249	28.19	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	112.76%
29) Benzene-d6	8.27	84	548803	23.79	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.16%
33) 1,2-Dichloropropane-d6	9.28	67	158623	25.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.92%
37) Toluene-d8	10.32	98	521802	24.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.12%
38) trans-1,3-Dichloropropene-	10.58	79	68013	25.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.96%
39) 2-Hexanone-d5	10.93	63	66468	76.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	152.06%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	152960	32.25	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	129.00%#
61) 1,2-Dichlorobenzene-d4	13.85	152	201183	26.12	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.48%

Target Compounds

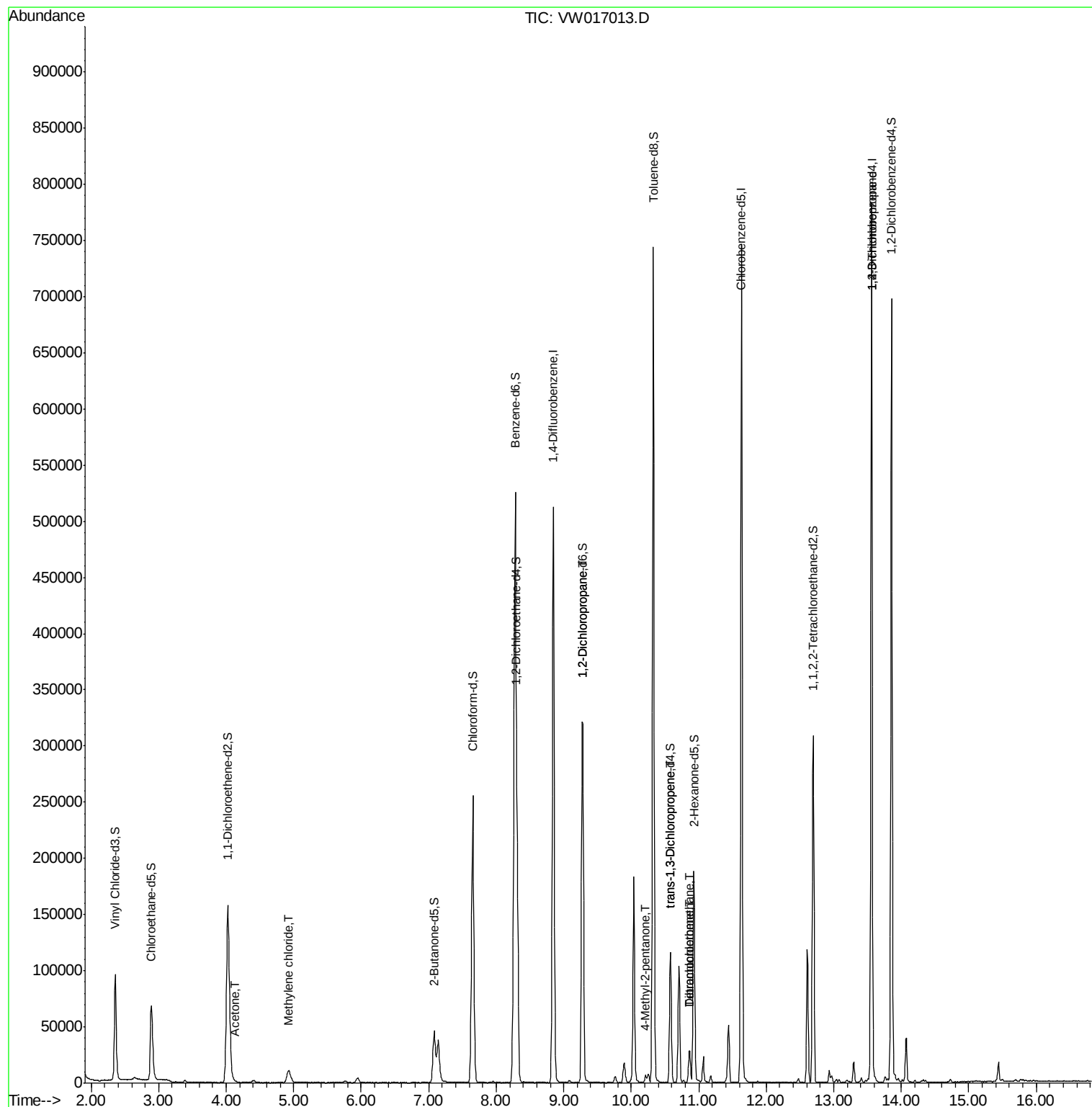
					Ovalue
13) Acetone	4.13	43	371	0.538 ug/L	87
16) Methylene chloride	4.92	84	4824	0.774 ug/L	96
40) 1,2-Dichloropropane	9.27	63	17583	3.174 ug/L #	85
43) 4-Methyl-2-pentanone	10.21	43	5166	1.967 ug/L #	88
45) trans-1,3-Dichloropropene	10.58	75	2796	0.390 ug/L	86
47) Tetrachloroethene	10.87	164	6810	1.078 ug/L	97
50) Dibromochloromethane	10.87	129	6214	1.150 ug/L #	10
59) 1,2,3-Trichloropropane	13.56	75	21882	6.424 ug/L	90

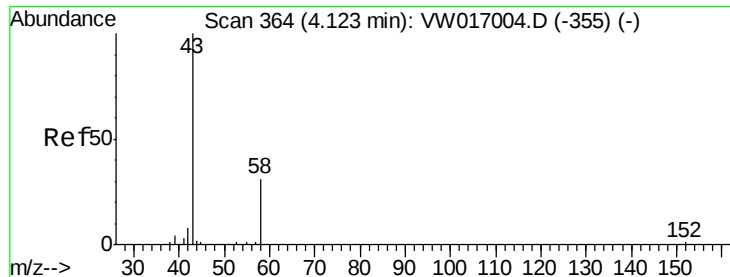
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 29 08:01:00 2020
Response via : Initial Calibration





#13

Acetone

Concen: 0.538 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW017013.D

Acq: 28 Oct 2020 15:59

Instrument :

MSVOA_W

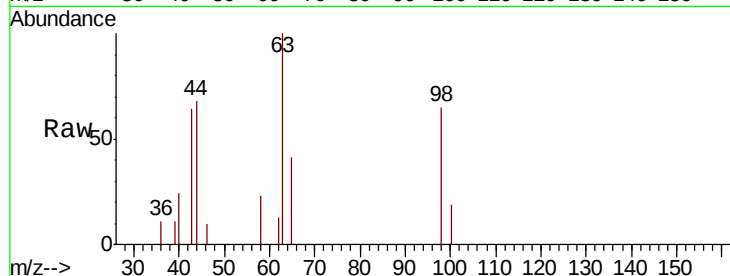
ClientSampled :

Tot Ion: 43 Resp: 371

Ion Ratio Lower Upper

43 100

58 42.6 0.0 69.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

300

200

100

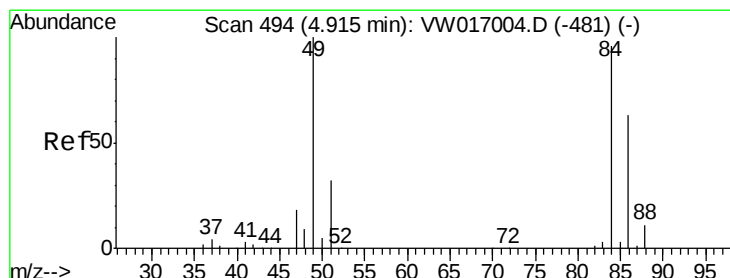
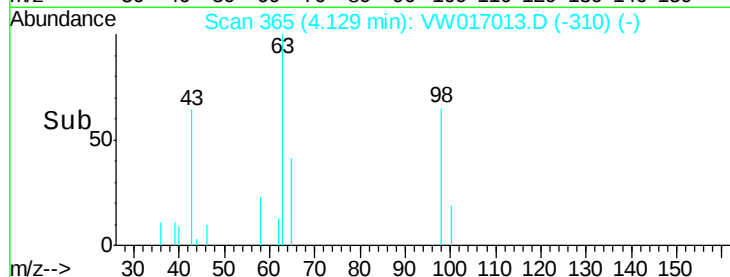
0

4.10

4.12

4.14

Time-->



#16

Methylene chloride

Concen: 0.774 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW017013.D

Acq: 28 Oct 2020 15:59

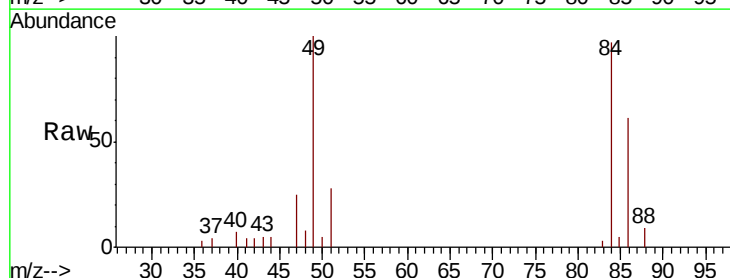
Tgt Ion: 84 Resp: 4824

Ion Ratio Lower Upper

84 100

49 103.0 73.8 137.0

86 62.8 47.4 88.0



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

4000

3000

2000

1000

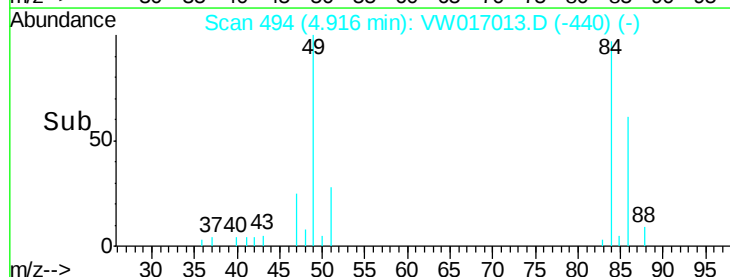
0

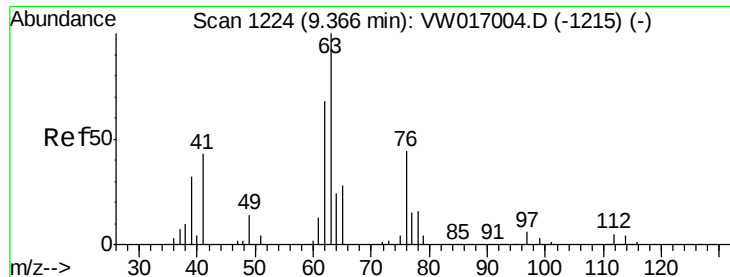
4.85

4.90

4.92

Time-->

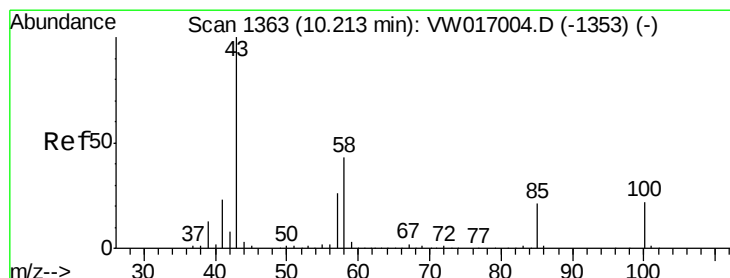
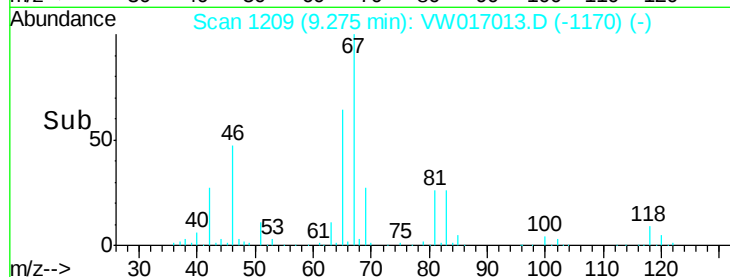
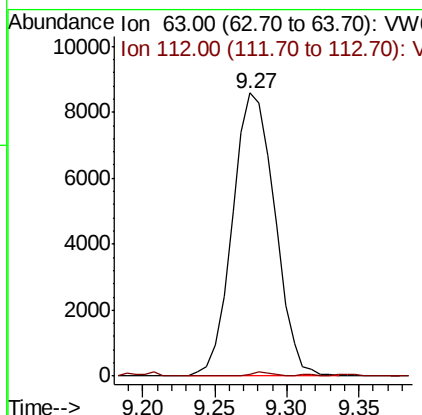
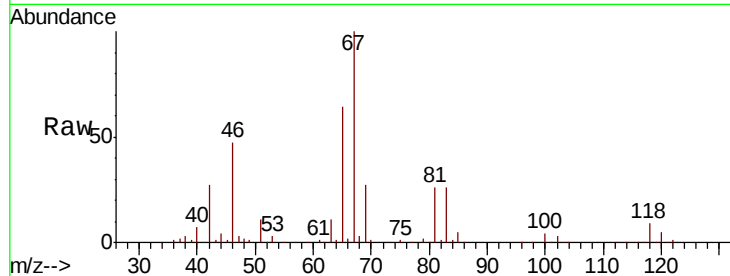




#40
 1,2-Dichloropropane
 Concen: 3.174 ug/L
 RT: 9.27 min Scan# 1209
 Delta R.T. -0.09 min
 Lab File: VW017013.D
 Acq: 28 Oct 2020 15:59

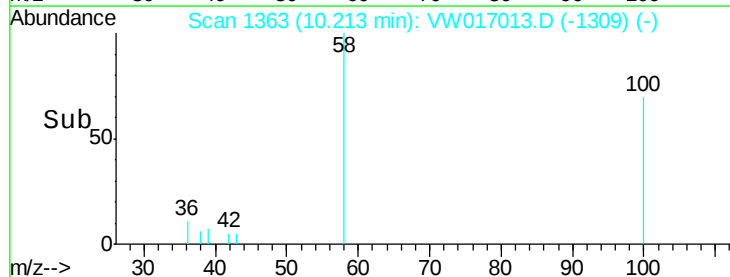
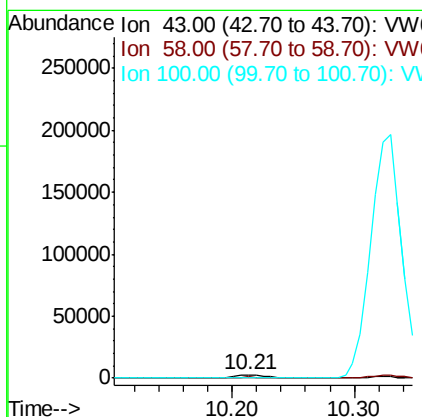
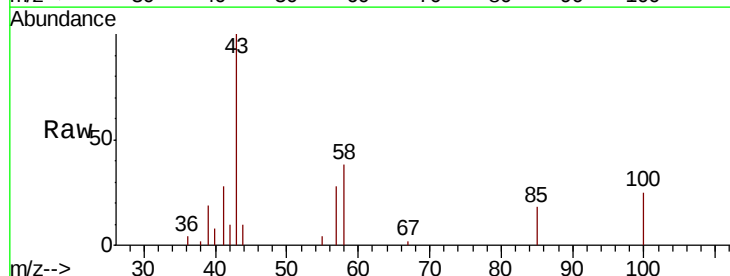
Instrument :
 MSVOA_W
 ClientSampleId :

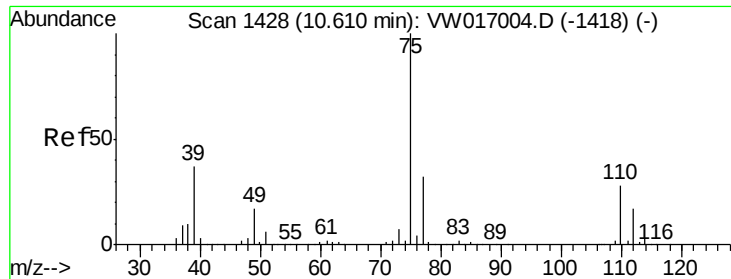
Tot Ion: 63 Resp: 17583
 Ion Ratio Lower Upper
 63 100
 112 0.7 4.5 6.7#



#43
 4-Methyl-2-pentanone
 Concen: 1.967 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW017013.D
 Acq: 28 Oct 2020 15:59

Tgt Ion: 43 Resp: 5166
 Ion Ratio Lower Upper
 43 100
 58 33.6 34.4 51.6#
 100 17.5 16.2 24.2





#45

trans-1,3-Dichloropropene

Concen: 0.390 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017013.D

Acq: 28 Oct 2020 15:59

Instrument :

MSVOA_W

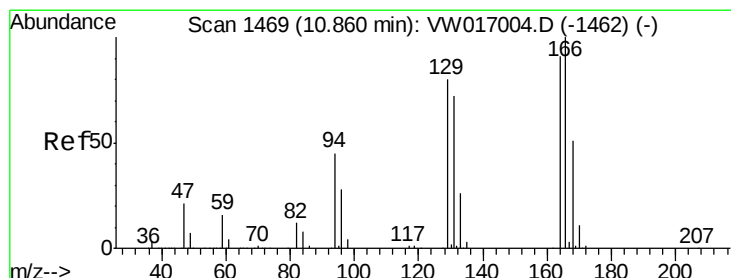
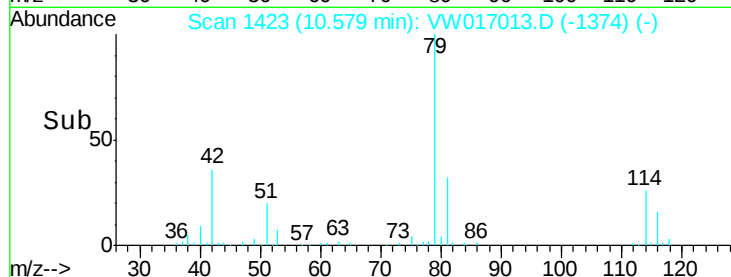
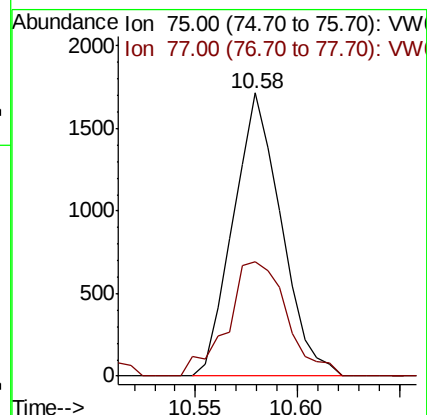
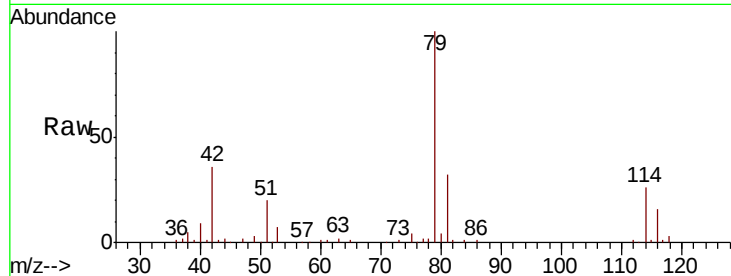
ClientSampleId :

Tot Ion: 75 Resp: 2796

Ion Ratio Lower Upper

75 100

77 40.4 22.7 42.3



#47

Tetrachloroethene

Concen: 1.078 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW017013.D

Acq: 28 Oct 2020 15:59

Tgt Ion: 164 Resp: 6810

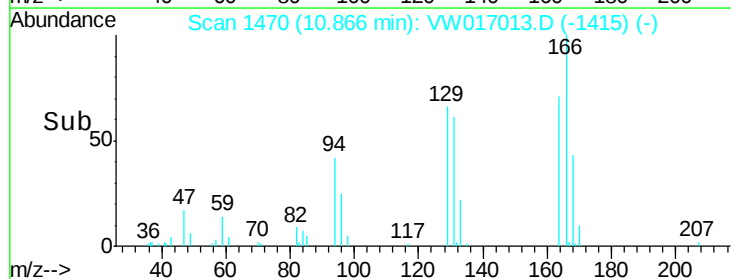
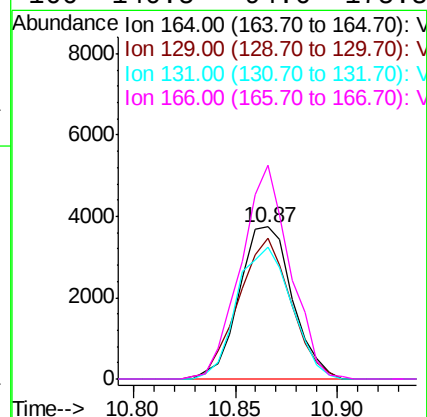
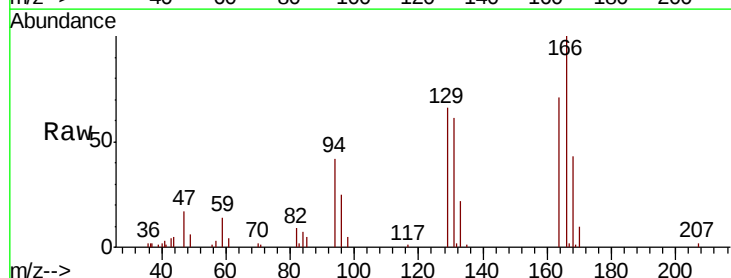
Ion Ratio Lower Upper

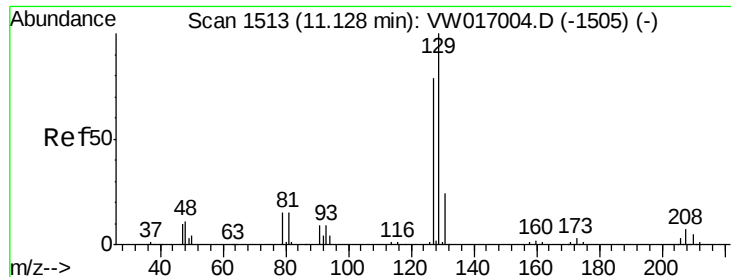
164 100

129 92.4 64.0 119.0

131 86.4 61.7 114.5

166 140.5 94.6 175.8

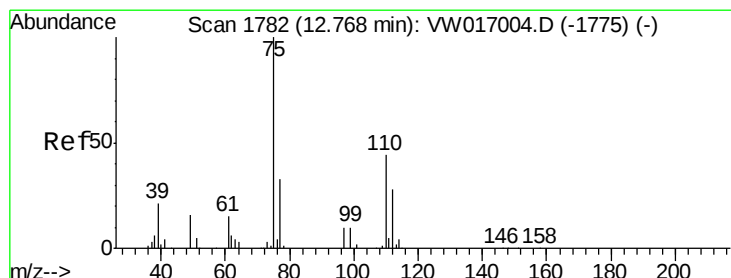
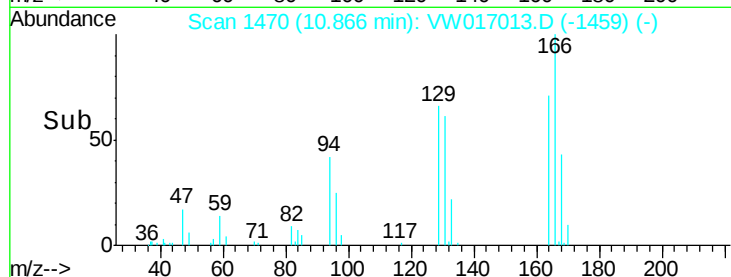
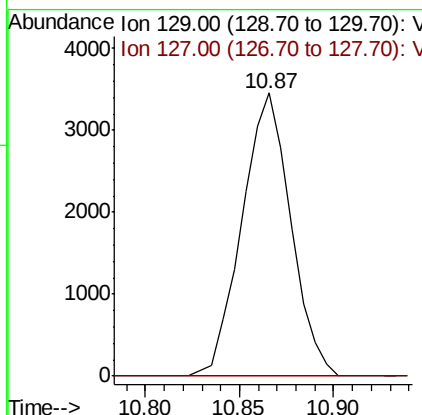
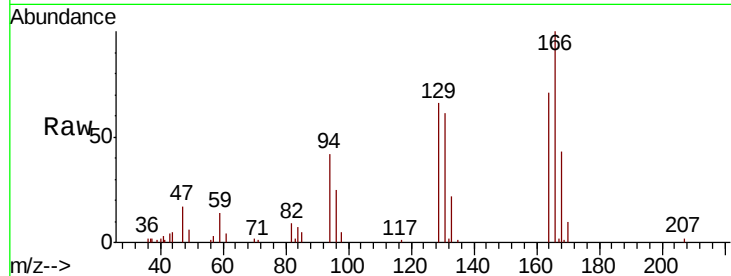




#50
 Dibromochloromethane
 Concen: 1.150 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.26 min
 Lab File: VW017013.D
 Acq: 28 Oct 2020 15:59

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:129 Resp: 6214
 Ion Ratio Lower Upper
 129 100
 127 0.0 55.4 102.8#



#59
 1,2,3-Trichloropropane
 Concen: 6.424 ug/L
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.79 min
 Lab File: VW017013.D
 Acq: 28 Oct 2020 15:59

Tgt Ion: 75 Resp: 21882
 Ion Ratio Lower Upper
 75 100
 77 37.7 25.8 38.8

