

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW093020\
 Data File : VW016714.D
 Acq On : 30 Sep 2020 16:04
 Operator : SY/VA
 Sample : L4144-12
 Misc : 5.24G/10ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AM7

Quant Time: Oct 01 05:07:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 01 05:05:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	563378	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	449150	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	180335	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	107491	19.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.84%
7) Chloroethane-d5	2.91	69	100266	22.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.08%
10) 1,1-Dichloroethene-d2	4.03	63	191448	15.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.80%
20) 2-Butanone-d5	7.09	46	71726	48.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.48%
24) Chloroform-d	7.65	84	307064	26.05	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.20%
26) 1,2-Dichloroethane-d4	8.31	65	161676	26.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.88%
29) Benzene-d6	8.28	84	565872	28.09	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	112.36%
33) 1,2-Dichloropropane-d6	9.28	67	161126	29.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	118.08%
37) Toluene-d8	10.33	98	517020	26.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.36%
38) trans-1,3-Dichloropropene-	10.58	79	67317	24.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.84%
39) 2-Hexanone-d5	10.93	63	57047	57.46	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.92%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	125691	27.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	147117	25.53	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.12%

Target Compounds

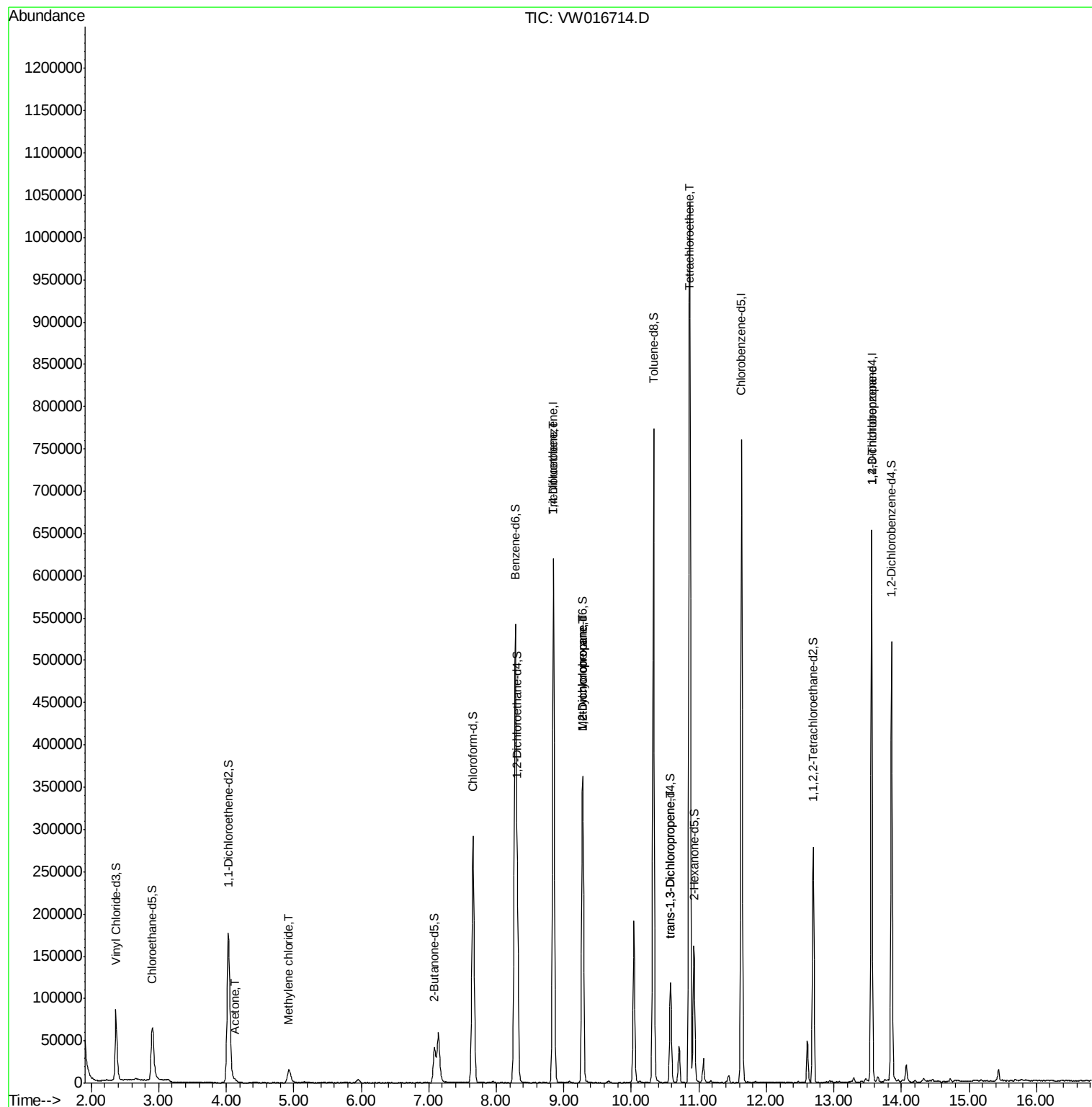
					Ovalue
13) Acetone	4.13	43	3986	3.423 ug/L	75
16) Methylene chloride	4.93	84	7549	0.869 ug/L	96
35) Trichloroethene	8.85	95	16433	2.359 ug/L #	2
36) Methylcyclohexane	9.28	83	43490	3.681 ug/L #	21
40) 1,2-Dichloropropane	9.27	63	19736	3.525 ug/L #	84
45) trans-1,3-Dichloropropene	10.59	75	3434	0.413 ug/L	93
47) Tetrachloroethene	10.87	164	242928	38.625 ug/L	91
59) 1,2,3-Trichloropropane	13.56	75	18738	4.769 ug/L	89

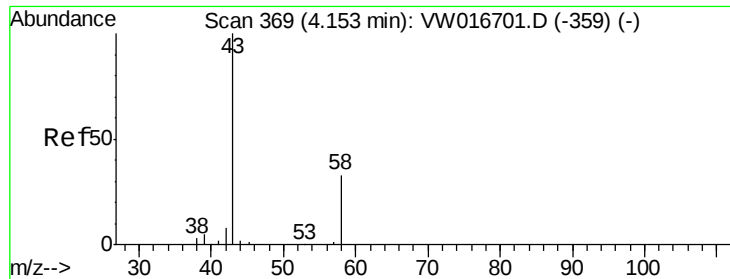
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Oct 01 05:05:13 2020
Response via : Initial Calibration





#13

Acetone

Concen: 3.423 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.02 min

Lab File: VW016714.D

Acq: 30 Sep 2020 16:04

Instrument :

MSVOA_W

ClientSampled :

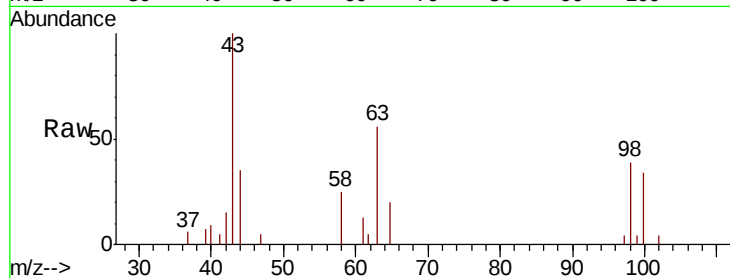
C0AM7

Tot Ion: 43 Resp: 3986

Ion Ratio Lower Upper

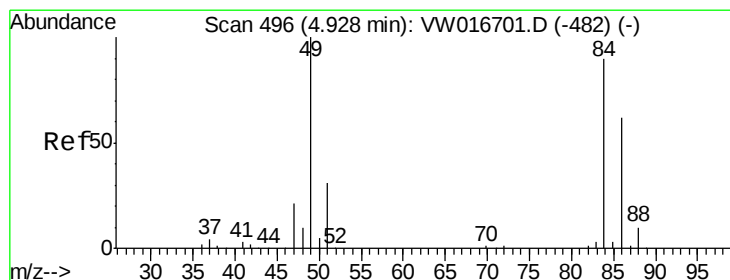
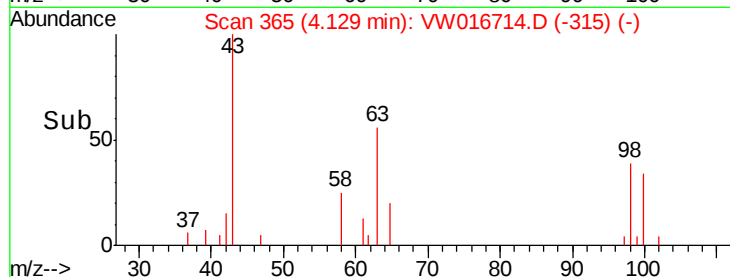
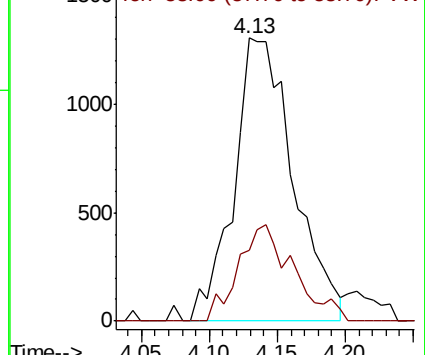
43 100

58 16.5 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 0.869 ug/L

RT: 4.93 min Scan# 496

Delta R.T. -0.00 min

Lab File: VW016714.D

Acq: 30 Sep 2020 16:04

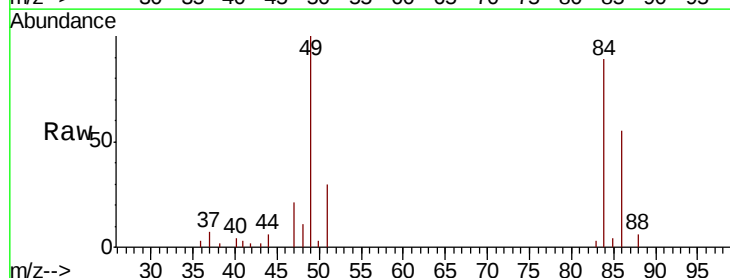
Tgt Ion: 84 Resp: 7549

Ion Ratio Lower Upper

84 100

49 112.5 76.0 141.2

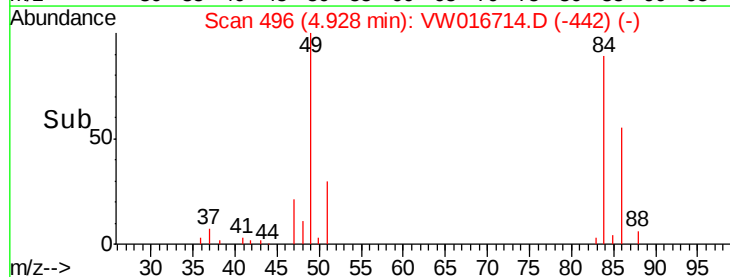
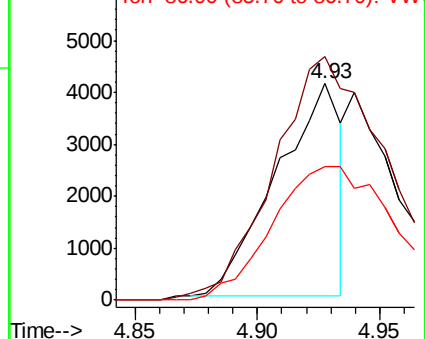
86 61.6 45.6 84.6

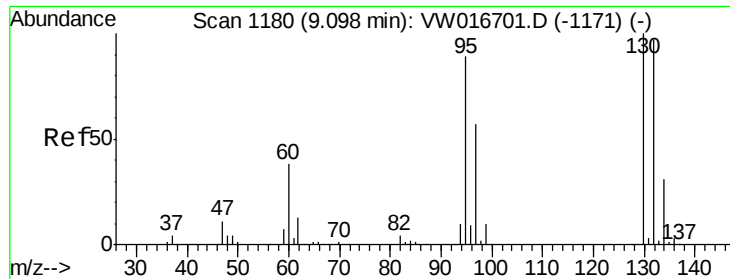


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#35

Trichloroethene

Concen: 2.359 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.25 min

Lab File: VW016714.D

Acq: 30 Sep 2020 16:04

Instrument :

MSVOA_W

ClientSampled :

C0AM7

Tot Ion: 95 Resp: 16433

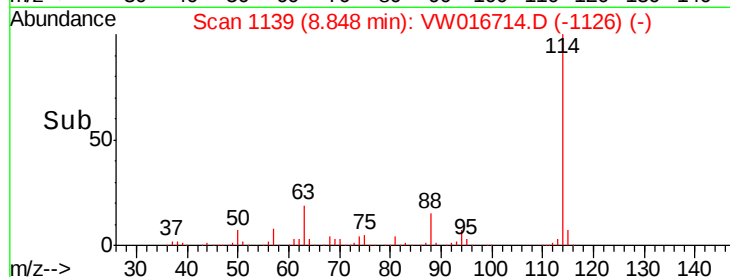
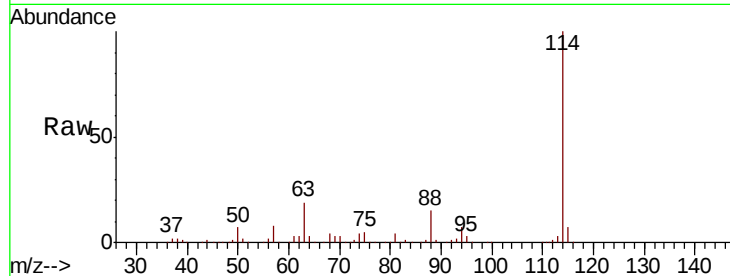
Ion Ratio Lower Upper

95 100

97 0.0 45.2 84.0#

132 0.0 73.3 136.1#

130 0.0 77.5 143.9#

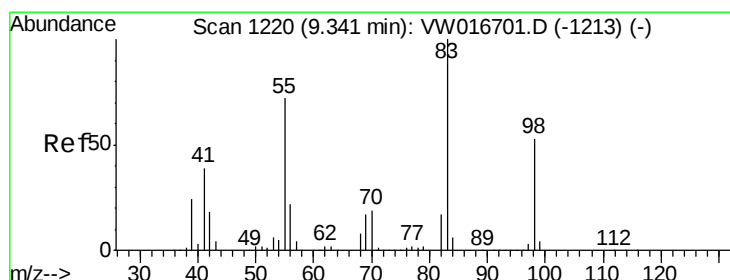
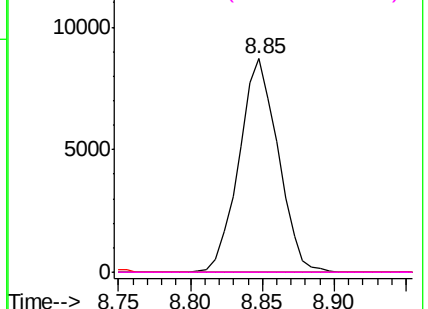


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 3.681 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.06 min

Lab File: VW016714.D

Acq: 30 Sep 2020 16:04

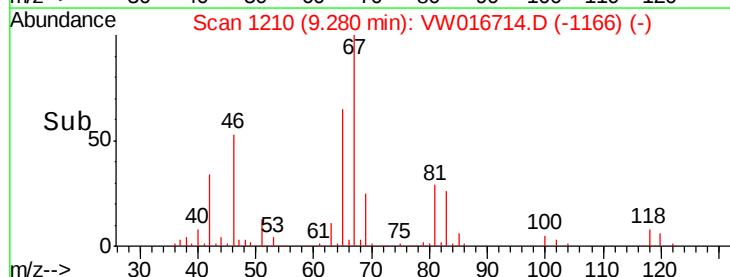
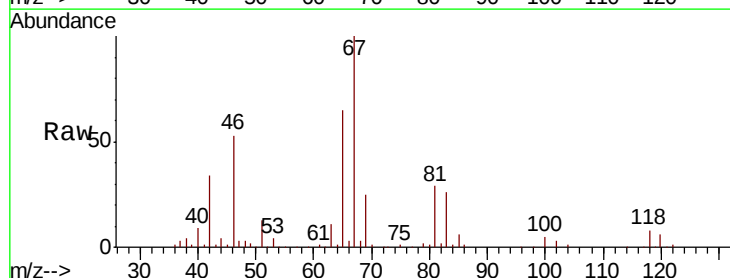
Tgt Ion: 83 Resp: 43490

Ion Ratio Lower Upper

83 100

55 0.4 55.9 83.9#

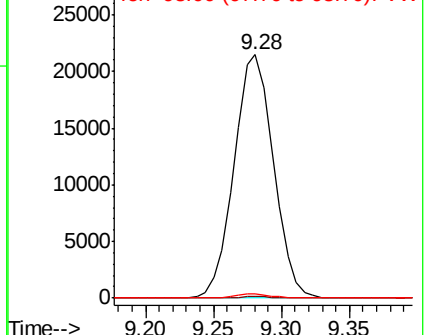
98 1.6 42.1 63.1#

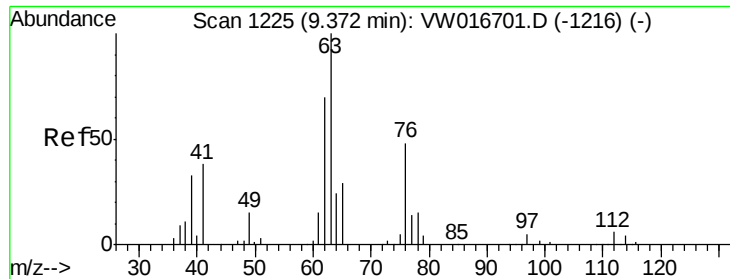


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 3.525 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.10 min

Lab File: VW016714.D

Acq: 30 Sep 2020 16:04

Instrument :

MSVOA_W

ClientSampled :

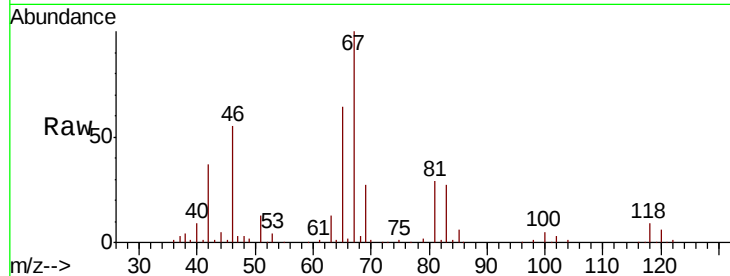
C0AM7

Tot Ion: 63 Resp: 19736

Ion Ratio Lower Upper

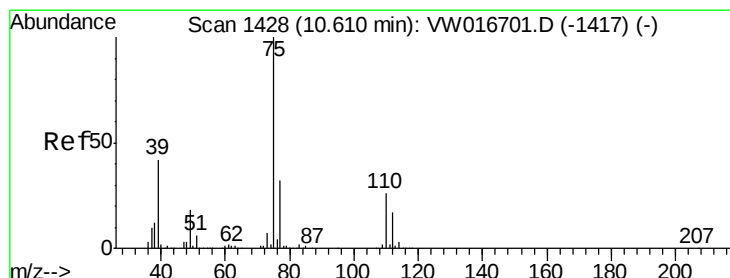
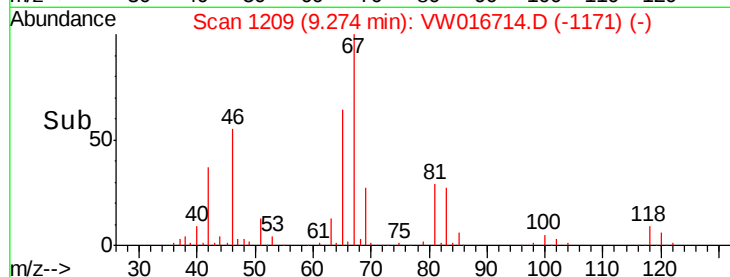
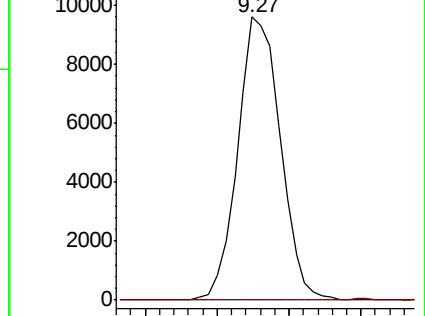
63 100

112 0.2 4.5 6.7#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#45

trans-1,3-Dichloropropene

Concen: 0.413 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW016714.D

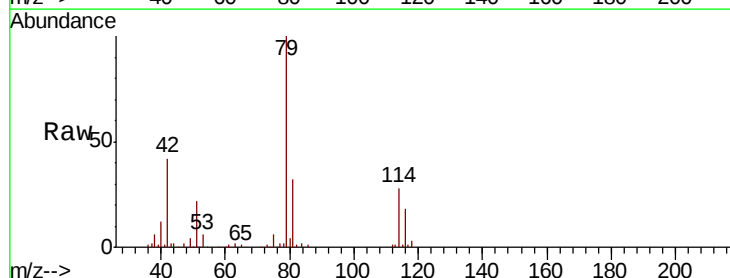
Acq: 30 Sep 2020 16:04

Tgt Ion: 75 Resp: 3434

Ion Ratio Lower Upper

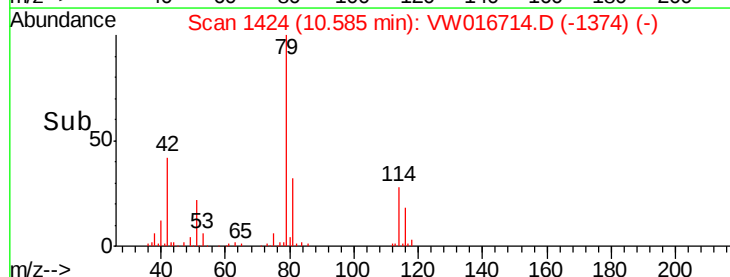
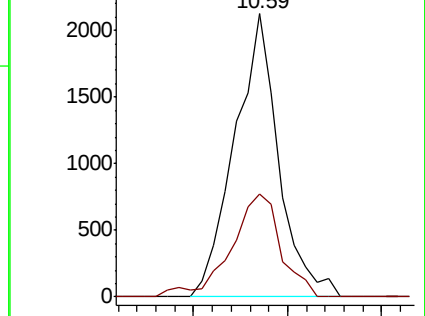
75 100

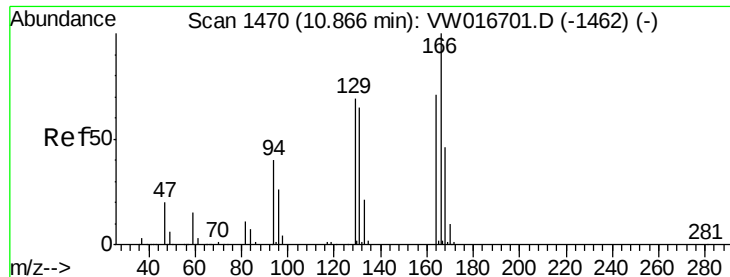
77 36.2 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#47

Tetrachloroethene

Concen: 38.625 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016714.D

Acq: 30 Sep 2020 16:04

Instrument :

MSVOA_W

ClientSampled :

C0AM7

Tot Ion:164 Resp: 242928

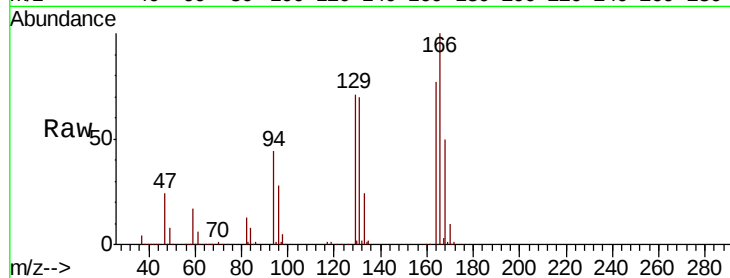
Ion Ratio Lower Upper

164 100

129 92.0 55.6 103.2

131 90.9 57.2 106.2

166 129.1 86.5 160.6

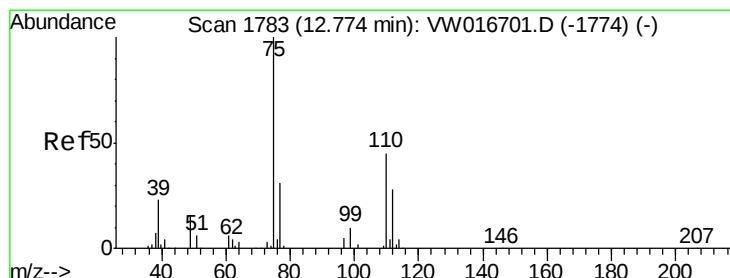
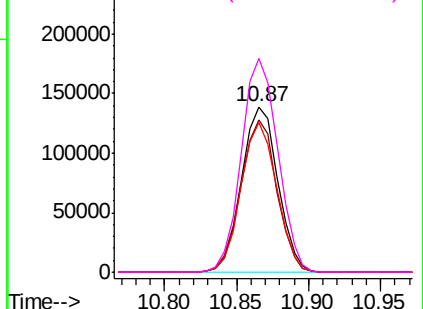
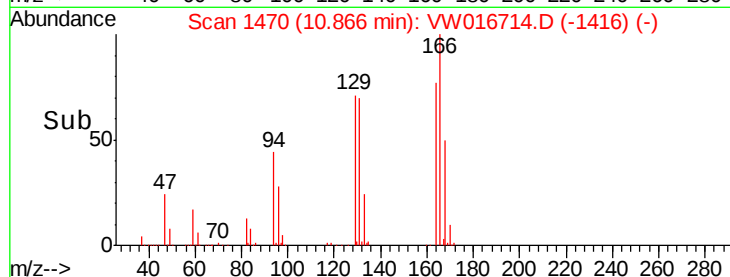


Abundance Ion 164.00 (163.70 to 164.70): V

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



#59

1,2,3-Trichloropropane

Concen: 4.769 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016714.D

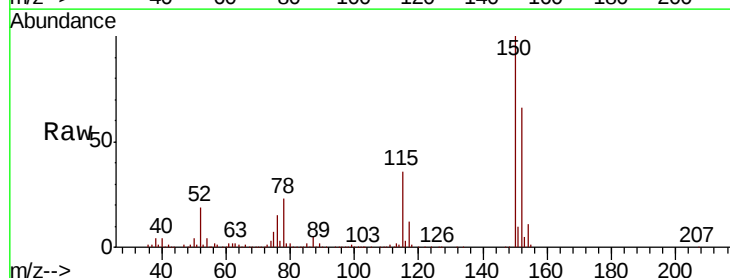
Acq: 30 Sep 2020 16:04

Tgt Ion: 75 Resp: 18738

Ion Ratio Lower Upper

75 100

77 39.1 26.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

