

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120420\
 Data File : VW017564.D
 Acq On : 04 Dec 2020 18:25
 Operator : SY/VA
 Sample : L4955-07
 Misc : 5.69G/10ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 20 01:48:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
 Quant Title : VOC Analysis
 QLast Update : Sun Dec 20 01:44:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	409490	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	354985	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	141541	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	91227	16.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.76%
7) Chloroethane-d5	2.90	69	84745	18.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.56%
10) 1,1-Dichloroethene-d2	4.03	63	164470	13.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	54.84%
20) 2-Butanone-d5	7.09	46	50210	44.20	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.40%
24) Chloroform-d	7.65	84	243933	20.97	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.88%
26) 1,2-Dichloroethane-d4	8.31	65	123267	21.60	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.40%
29) Benzene-d6	8.27	84	453536	20.78	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.12%
33) 1,2-Dichloropropane-d6	9.28	67	135610	22.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.80%
37) Toluene-d8	10.32	98	402600	20.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.00%
38) trans-1,3-Dichloropropene-	10.58	79	51868	19.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	76.88%
39) 2-Hexanone-d5	10.93	63	33084	44.25	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.50%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	92927	21.38	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	85.52%
61) 1,2-Dichlorobenzene-d4	13.85	152	110897	21.16	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.64%

Target Compounds

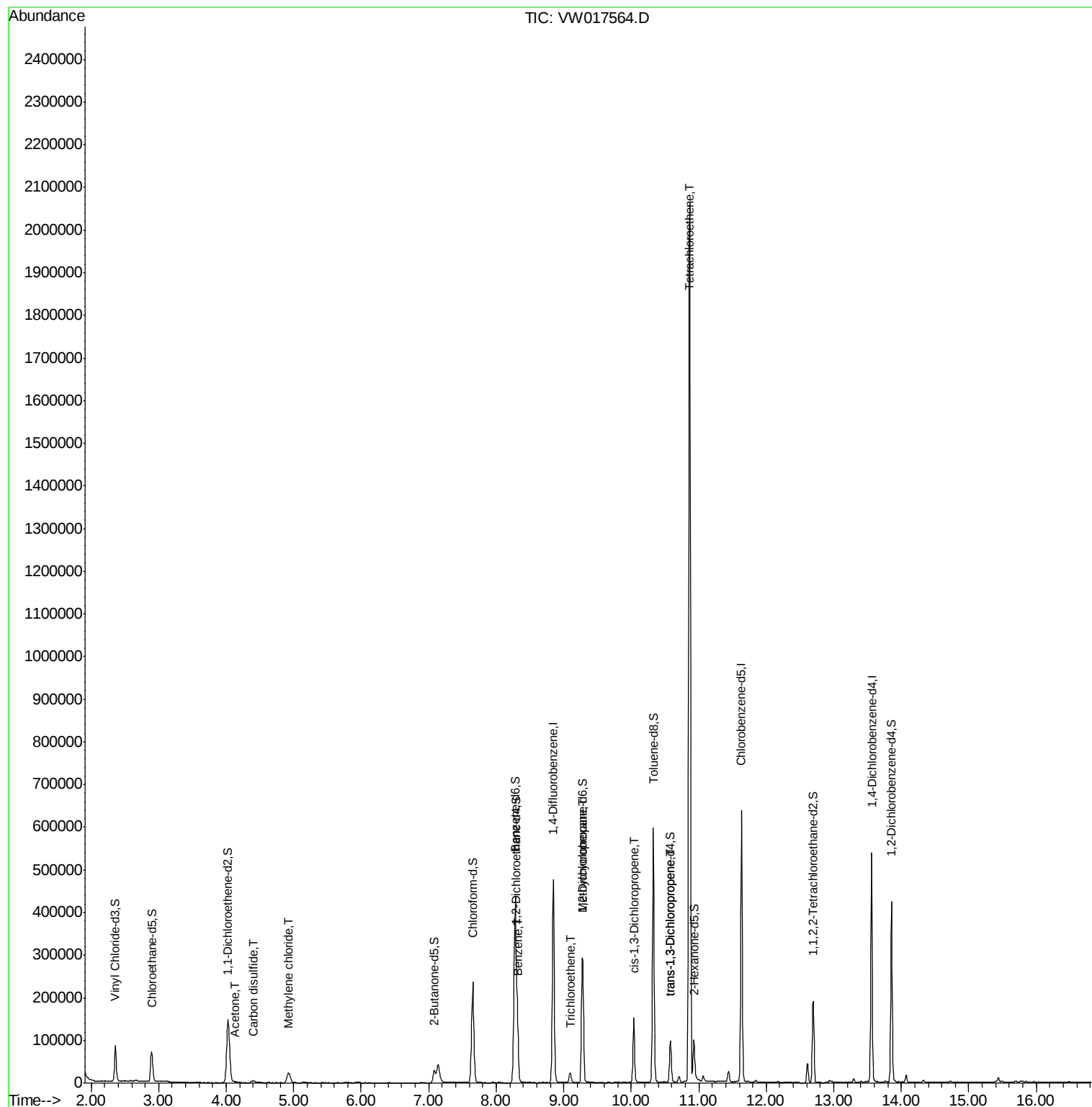
					Ovalue
13) Acetone	4.14	43	4077	3.730 ug/L	87
14) Carbon disulfide	4.40	76	7784	0.479 ug/L #	92
16) Methylene chloride	4.92	84	20456	3.327 ug/L	96
34) Benzene	8.32	78	6901	0.323 ug/L	100
35) Trichloroethene	9.10	95	7963	1.346 ug/L	92
36) Methylcyclohexane	9.27	83	34651	3.543 ug/L #	20
42) cis-1,3-Dichloropropene	10.04	75	4322	0.557 ug/L #	82
45) trans-1,3-Dichloropropene	10.58	75	2737	0.411 ug/L	90
47) Tetrachloroethene	10.87	164	460060	91.287 ug/L	92

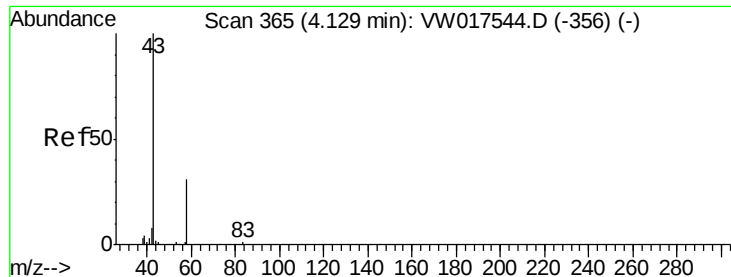
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 3.730 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW017564.D

Acq: 04 Dec 2020 18:25

Instrument :

MSVOA_W

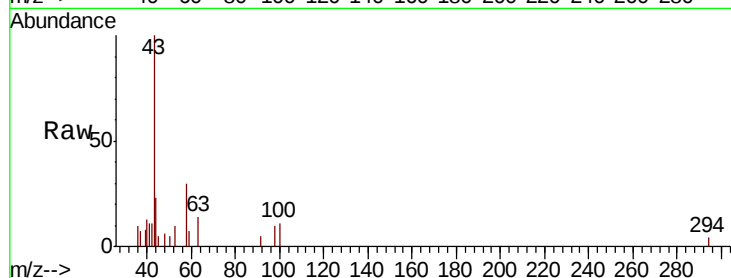
ClientSampled :

Tot Ion: 43 Resp: 4077

Ion Ratio Lower Upper

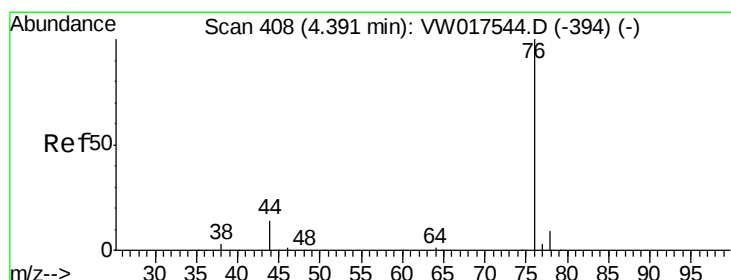
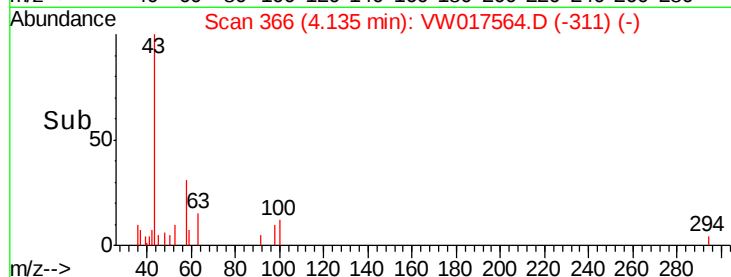
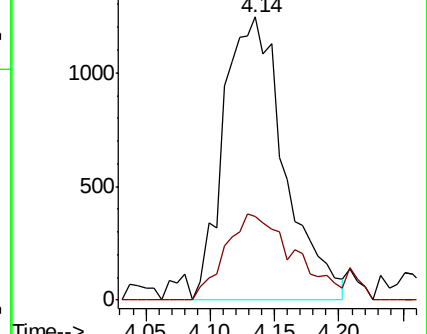
43 100

58 26.6 0.0 68.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 0.479 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.01 min

Lab File: VW017564.D

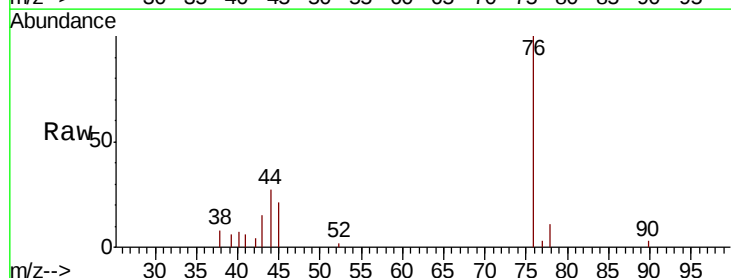
Acq: 04 Dec 2020 18:25

Tgt Ion: 76 Resp: 7784

Ion Ratio Lower Upper

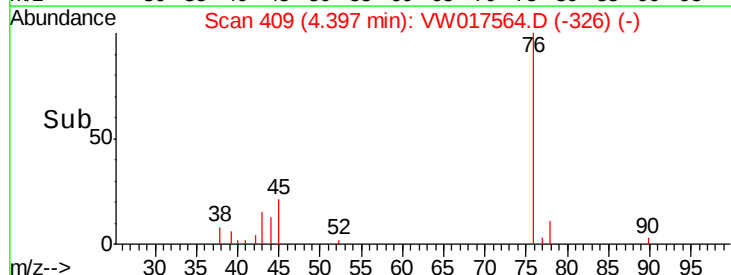
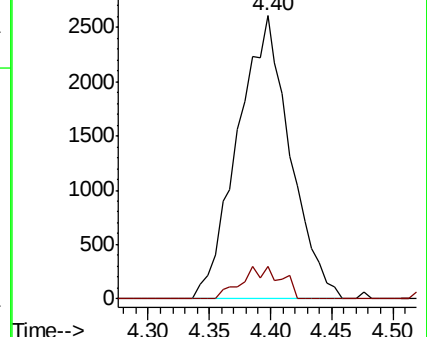
76 100

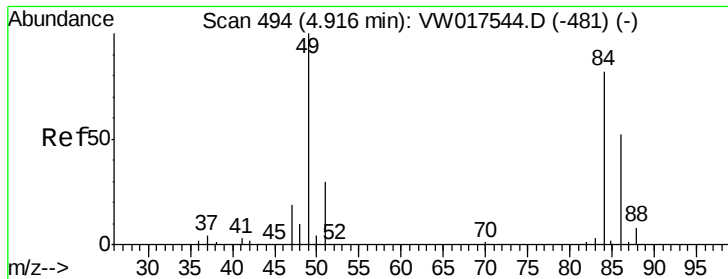
78 11.4 7.0 10.4#



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

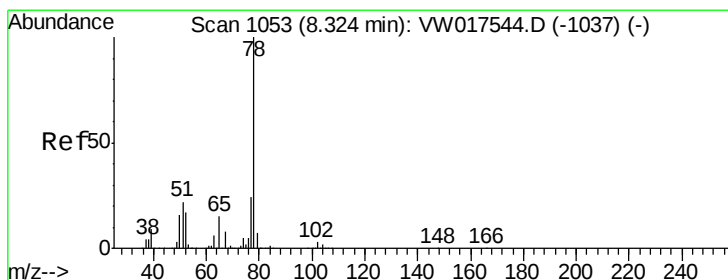
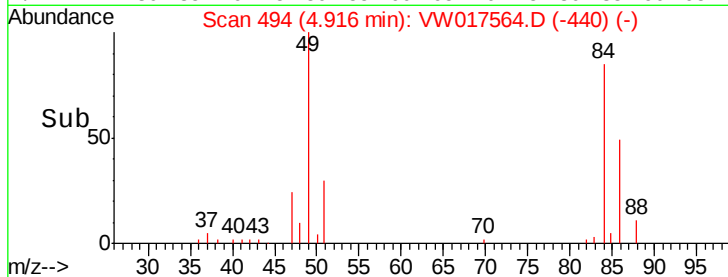
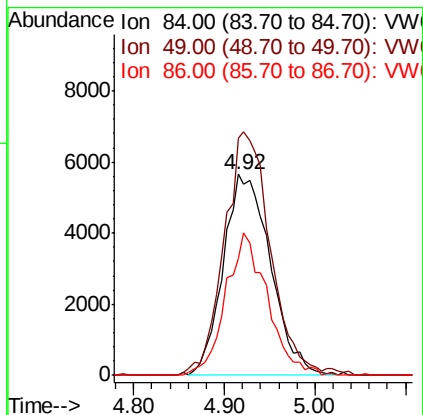
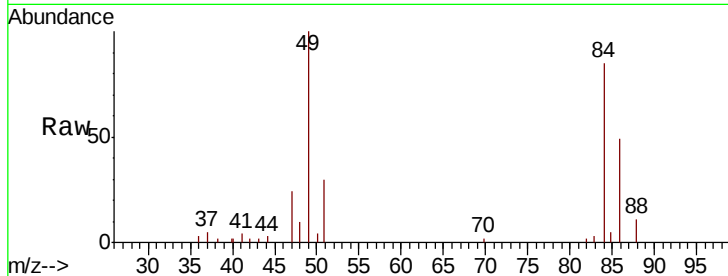




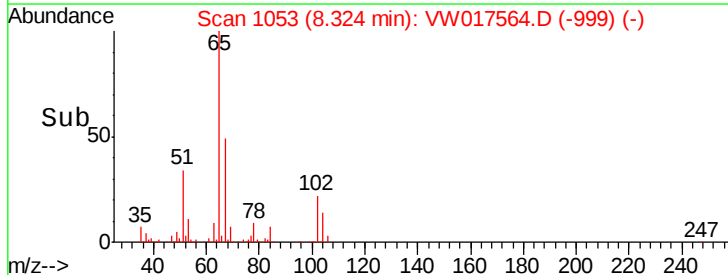
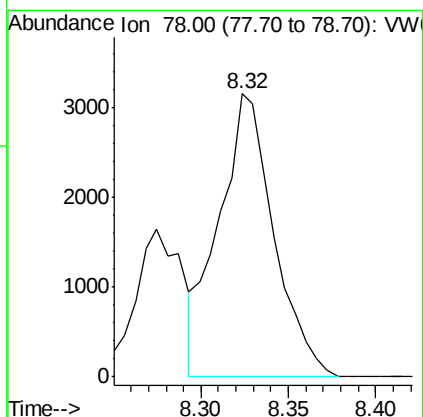
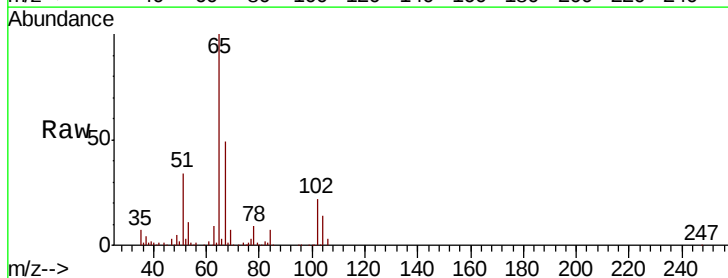
#16
Methylene chloride
Concen: 3.327 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW017564.D
Acq: 04 Dec 2020 18:25

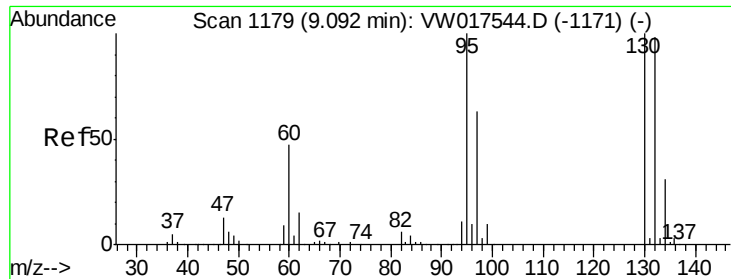
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 84 Resp: 20456
Ion Ratio Lower Upper
84 100
49 118.3 81.2 150.8
86 58.1 44.5 82.7



#34
Benzene
Concen: 0.323 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW017564.D
Acq: 04 Dec 2020 18:25
Tgt Ion: 78 Resp: 6901





#35

Trichloroethene

Concen: 1.346 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW017564.D

Acq: 04 Dec 2020 18:25

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 95 Resp: 7963

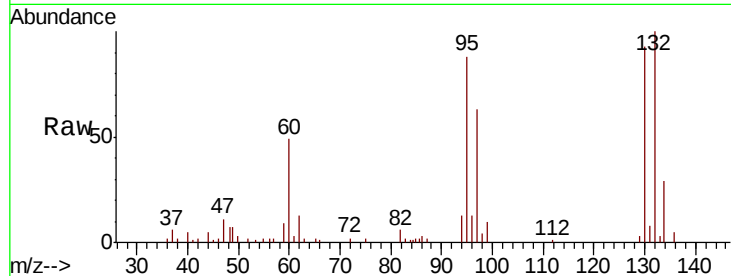
Ion Ratio Lower Upper

95 100

97 62.1 45.0 83.6

132 92.4 71.0 131.8

130 97.2 75.6 140.4



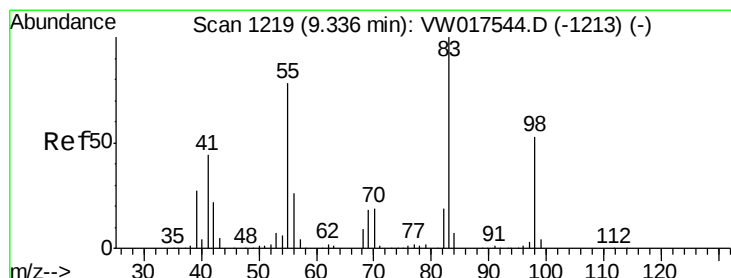
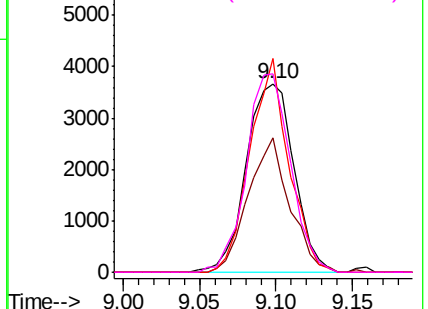
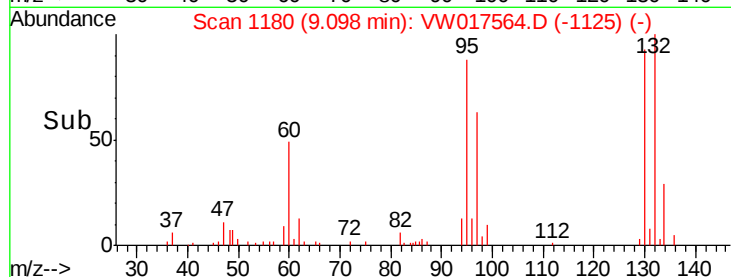
Abundance

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): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 3.543 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.06 min

Lab File: VW017564.D

Acq: 04 Dec 2020 18:25

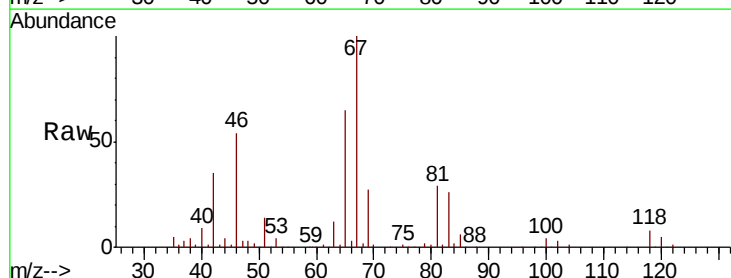
Tgt Ion: 83 Resp: 34651

Ion Ratio Lower Upper

83 100

55 0.7 59.4 89.0#

98 1.7 40.7 61.1#

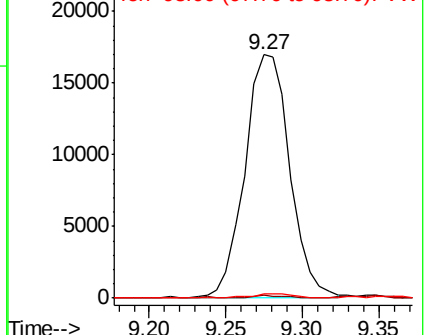
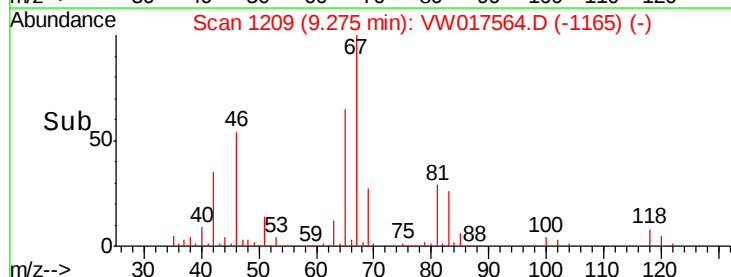


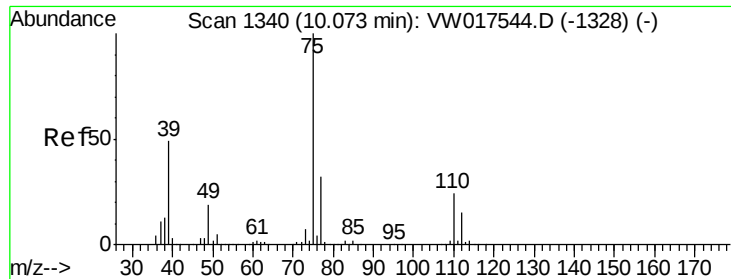
Abundance

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





#42

cis-1,3-Dichloropropene

Concen: 0.557 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017564.D

Acq: 04 Dec 2020 18:25

Instrument :

MSVOA_W

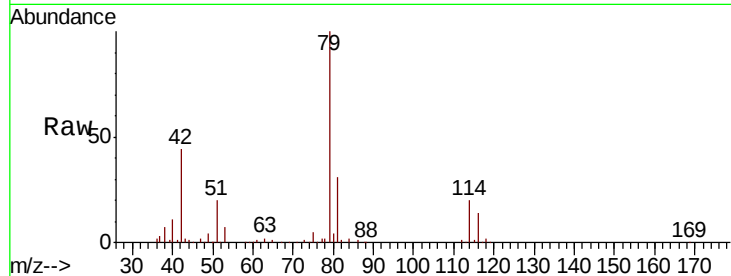
ClientSampleId :

Tot Ion: 75 Resp: 4322

Ion Ratio Lower Upper

75 100

77 42.7 22.7 42.3#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.04

2500

2000

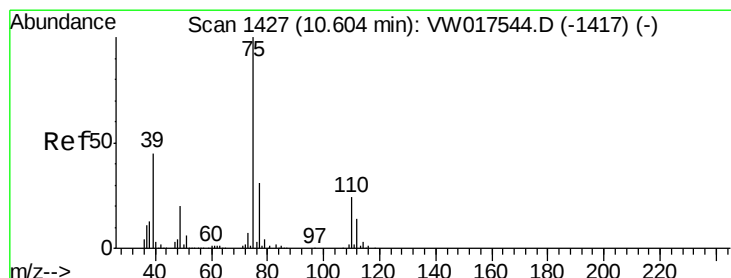
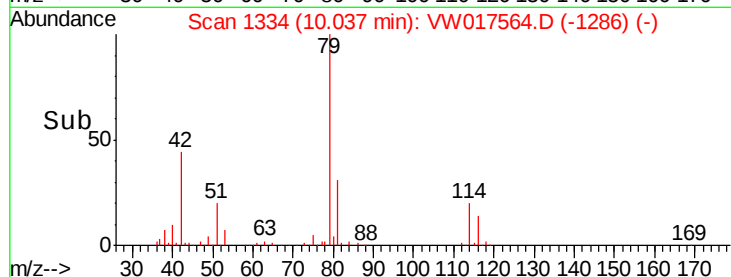
1500

1000

500

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 0.411 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW017564.D

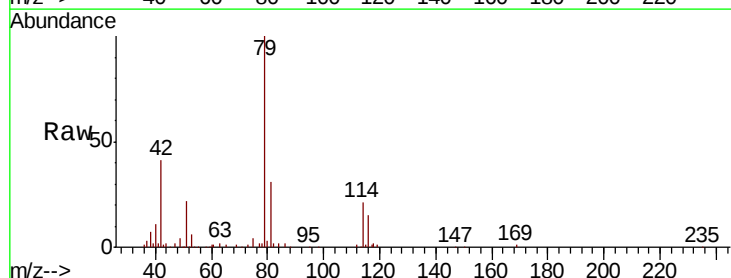
Acq: 04 Dec 2020 18:25

Tgt Ion: 75 Resp: 2737

Ion Ratio Lower Upper

75 100

77 37.8 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.58

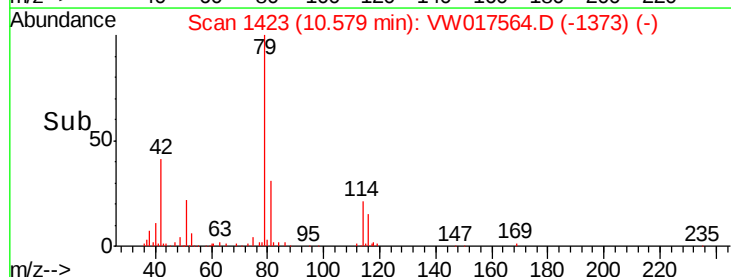
1500

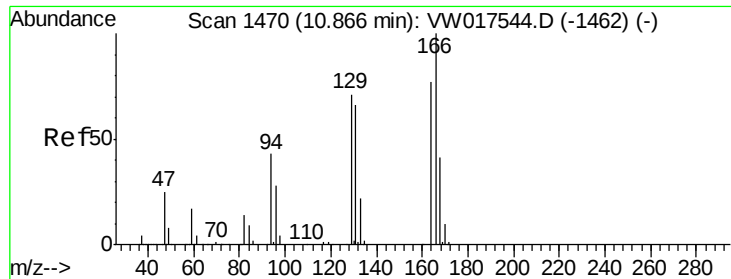
1000

500

0

Time-->





#47

Tetrachloroethene

Concen: 91.287 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

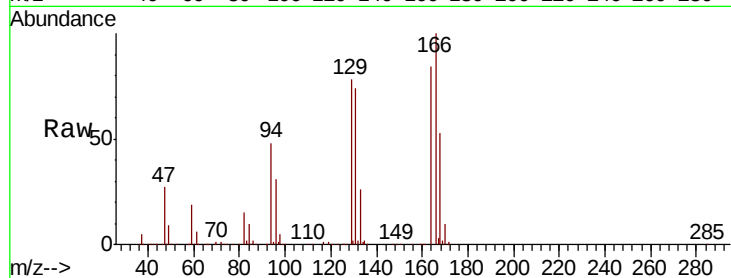
Lab File: VW017564.D

Acq: 04 Dec 2020 18:25

Instrument :

MSVOA_W

ClientSampleId :



Tot Ion:164 Resp: 460060

Ion Ratio Lower Upper

164 100

129 92.0 67.6 125.6

131 88.1 65.2 121.2

166 118.6 93.2 173.2

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

