

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111320\
 Data File : VW017212.D
 Acq On : 13 Nov 2020 15:02
 Operator : SY/VA
 Sample : L4710-20
 Misc : 5.48G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AY3

Quant Time: Nov 16 14:16:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 16 11:48:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	482161	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	402222	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	156753	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	119602	19.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.76%
7) Chloroethane-d5	2.89	69	101490	21.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.76%
10) 1,1-Dichloroethene-d2	4.02	63	176175	16.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	64.88%
20) 2-Butanone-d5	7.08	46	41941	30.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	61.76%
24) Chloroform-d	7.65	84	248492	22.08	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.32%
26) 1,2-Dichloroethane-d4	8.31	65	122002	21.80	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.20%
29) Benzene-d6	8.28	84	490948	23.97	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.88%
33) 1,2-Dichloropropane-d6	9.27	67	131969	23.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.16%
37) Toluene-d8	10.33	98	468532	24.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.04%
38) trans-1,3-Dichloropropene-	10.58	79	48583	19.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	76.08%
39) 2-Hexanone-d5	10.93	63	34263	34.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	69.30%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	93532	18.95	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	75.80%
61) 1,2-Dichlorobenzene-d4	13.85	152	129026	23.36	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.44%

Target Compounds

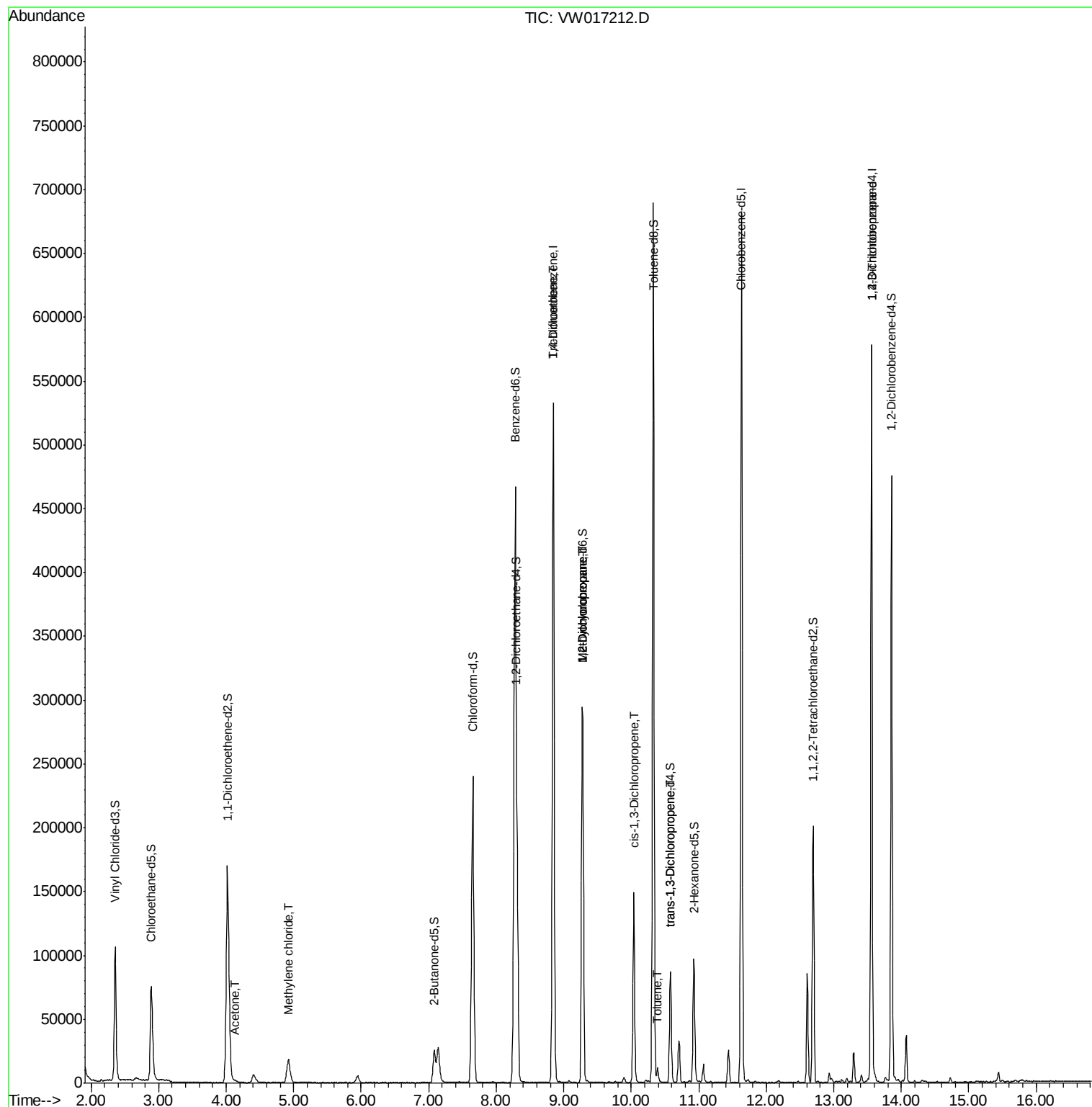
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.12	43	1138	1.251	ug/L	66
16) Methylene chloride	4.92	84	16365	2.517	ug/L	97
35) Trichloroethene	8.85	95	13951	2.358	ug/L #	2
36) Methylcyclohexane	9.27	83	35525	3.732	ug/L #	22
40) 1,2-Dichloropropane	9.27	63	16013	3.243	ug/L #	84
42) cis-1,3-Dichloropropene	10.04	75	4198	0.537	ug/L #	65
44) Toluene	10.39	91	7984	0.343	ug/L	92
45) trans-1,3-Dichloropropene	10.58	75	2640	0.393	ug/L	84
59) 1,2,3-Trichloropropane	13.56	75	16891	4.779	ug/L	88

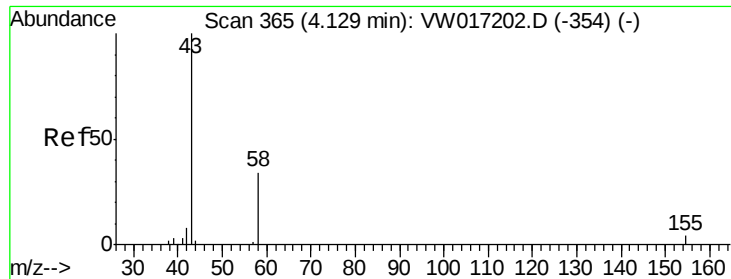
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Nov 16 11:48:24 2020
Response via : Initial Calibration





#13

Acetone

Concen: 1.251 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW017212.D

Acq: 13 Nov 2020 15:02

Instrument :

MSVOA_W

ClientSampleId :

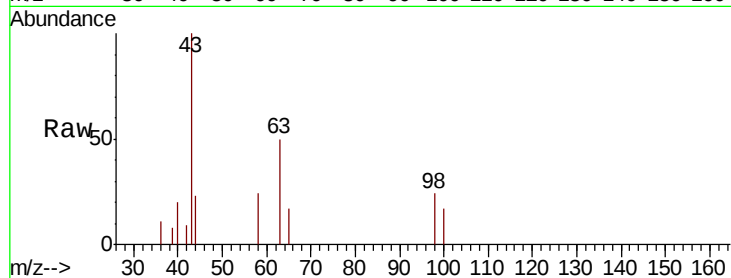
C0AY3

Tot Ion: 43 Resp: 1138

Ion Ratio Lower Upper

43 100

58 54.1 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

800

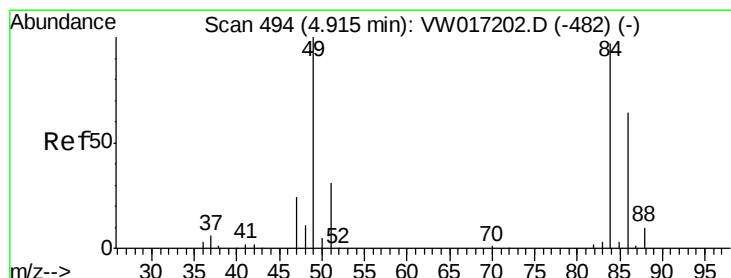
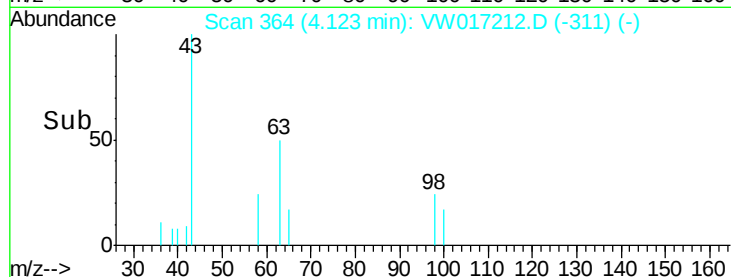
600

400

200

0

Time--> 4.06 4.08 4.10 4.12 4.14



#16

Methylene chloride

Concen: 2.517 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW017212.D

Acq: 13 Nov 2020 15:02

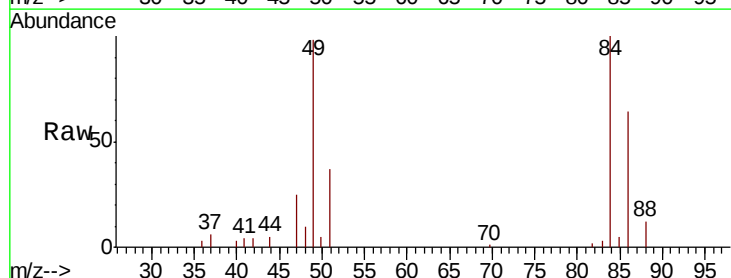
Tgt Ion: 84 Resp: 16365

Ion Ratio Lower Upper

84 100

49 98.3 72.3 134.3

86 64.1 45.1 83.7



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

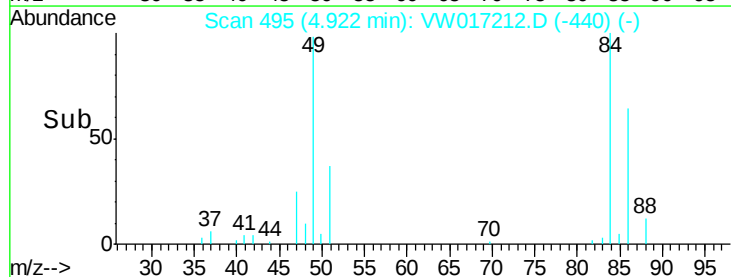
6000

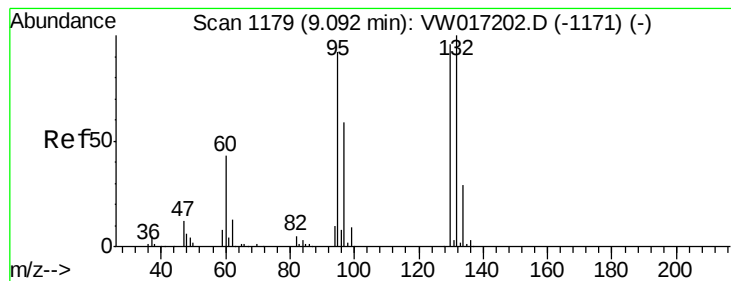
4000

2000

0

Time--> 4.80 4.90 4.92 5.00





#35

Trichloroethene

Concen: 2.358 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.24 min

Lab File: VW017212.D

Acq: 13 Nov 2020 15:02

Instrument :

MSVOA_W

ClientSampleId :

C0AY3

Tot Ion: 95 Resp: 13951

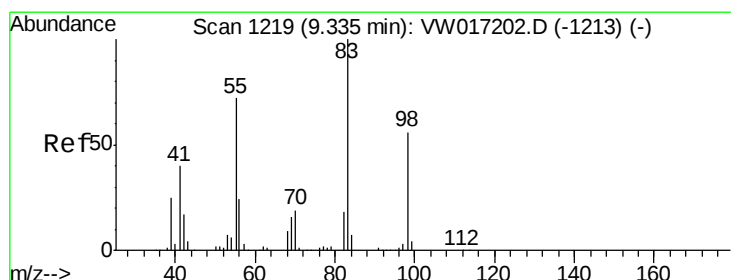
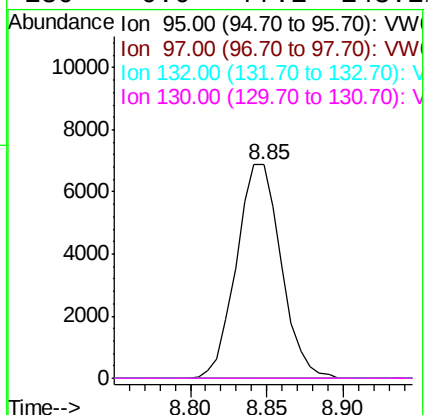
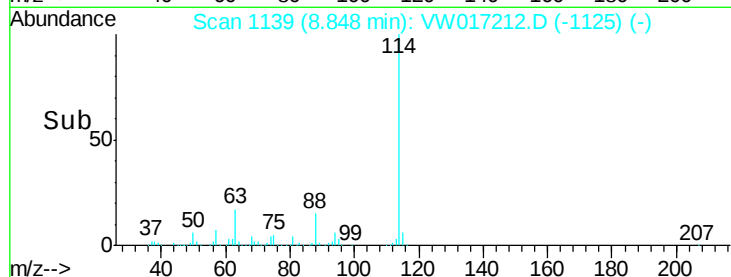
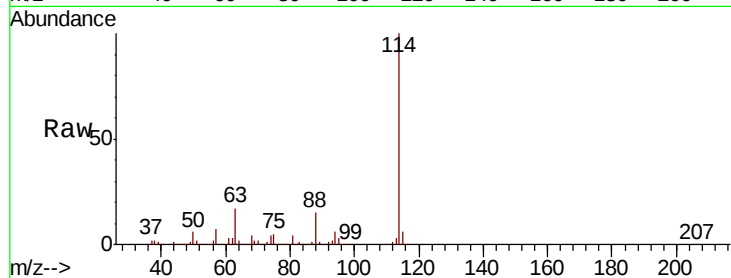
Ion Ratio Lower Upper

95 100

97 0.0 45.0 83.6#

132 0.0 73.7 136.9#

130 0.0 77.1 143.1#



#36

Methylcyclohexane

Concen: 3.732 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.06 min

Lab File: VW017212.D

Acq: 13 Nov 2020 15:02

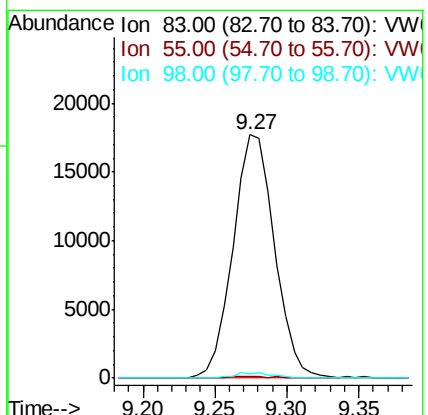
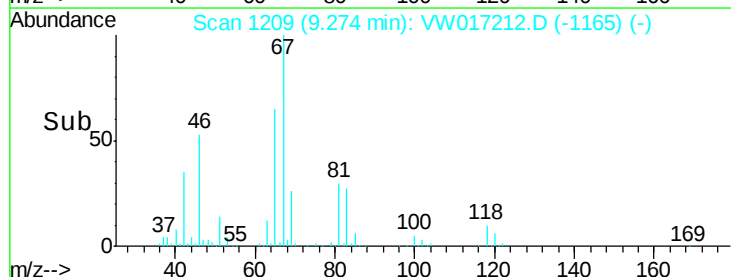
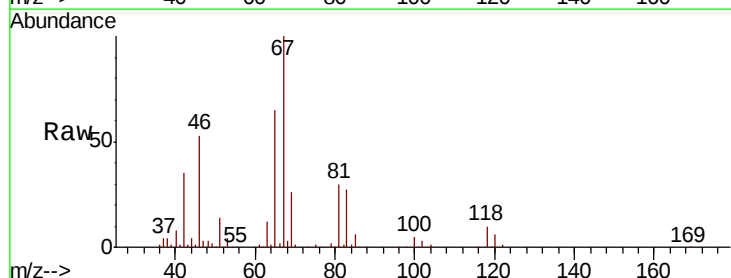
Tgt Ion: 83 Resp: 35525

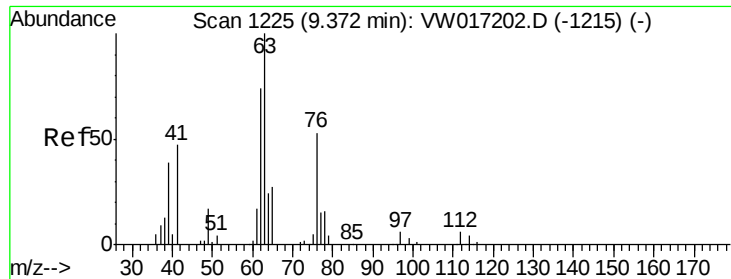
Ion Ratio Lower Upper

83 100

55 0.4 54.4 81.6#

98 2.0 40.5 60.7#





#40

1,2-Dichloropropane

Concen: 3.243 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.10 min

Lab File: VW017212.D

Acq: 13 Nov 2020 15:02

Instrument :

MSVOA_W

ClientSampleId :

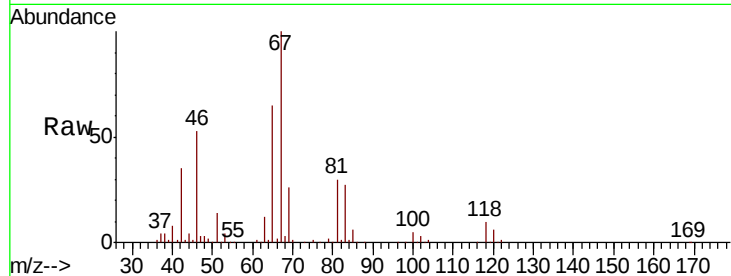
C0AY3

Tot Ion: 63 Resp: 16013

Ion Ratio Lower Upper

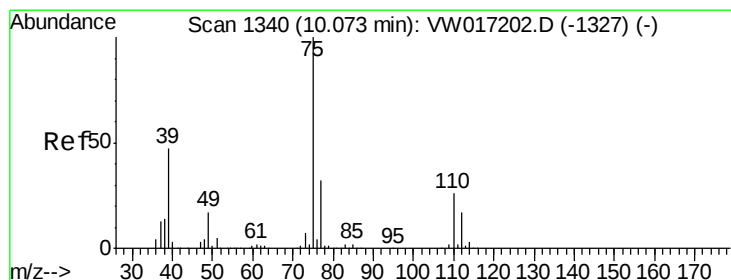
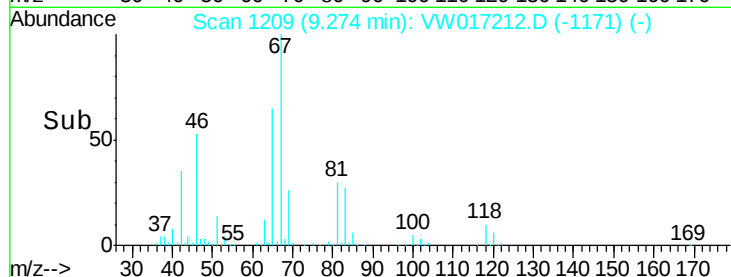
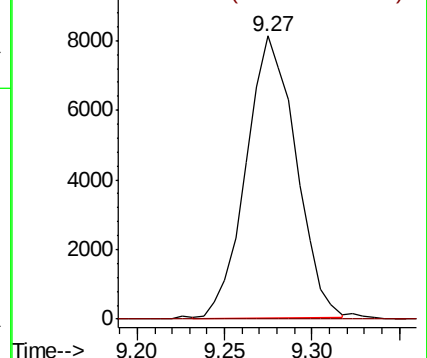
63 100

112 0.0 4.2 6.2#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): VW



#42

cis-1,3-Dichloropropene

Concen: 0.537 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017212.D

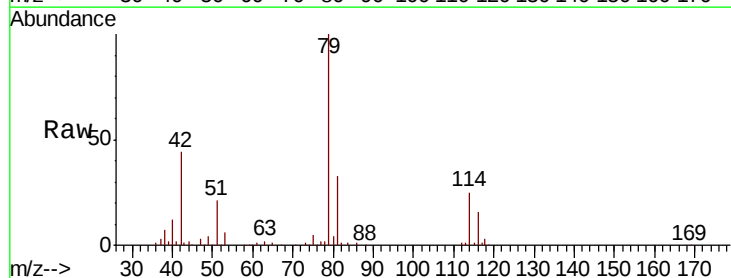
Acq: 13 Nov 2020 15:02

Tgt Ion: 75 Resp: 4198

Ion Ratio Lower Upper

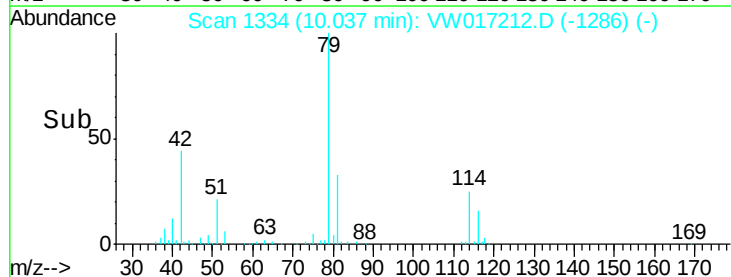
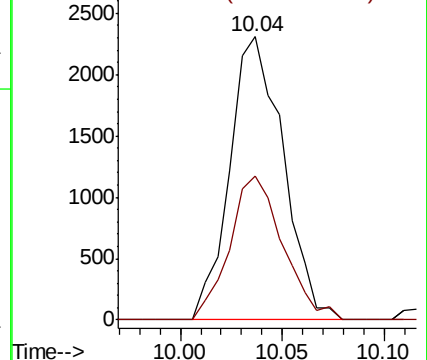
75 100

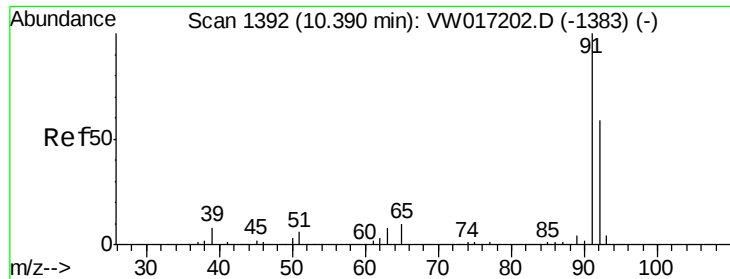
77 50.7 22.0 41.0#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#44

Toluene

Concen: 0.343 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017212.D

Acq: 13 Nov 2020 15:02

Instrument :

MSVOA_W

ClientSampleId :

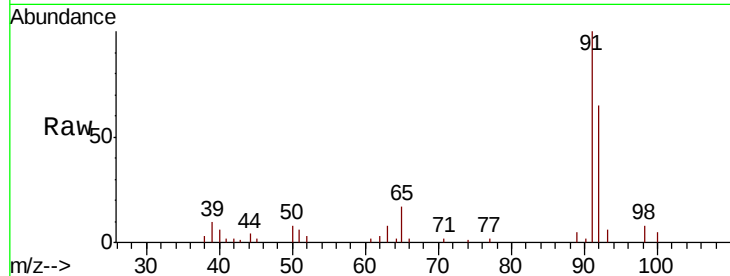
C0AY3

Tot Ion: 91 Resp: 7984

Ion Ratio Lower Upper

91 100

92 65.4 41.4 76.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

4000

3000

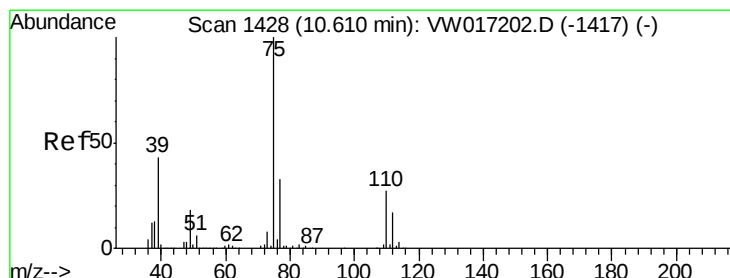
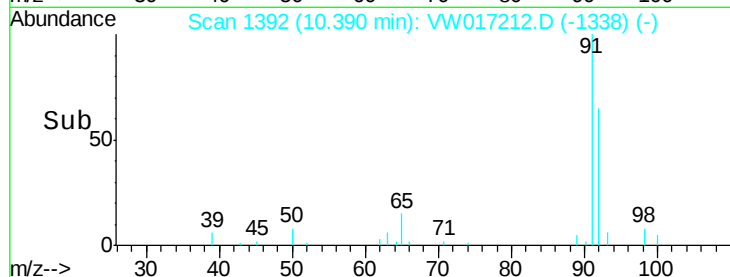
2000

1000

0

Time-->

10.35 10.40 10.45



#45

trans-1,3-Dichloropropene

Concen: 0.393 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017212.D

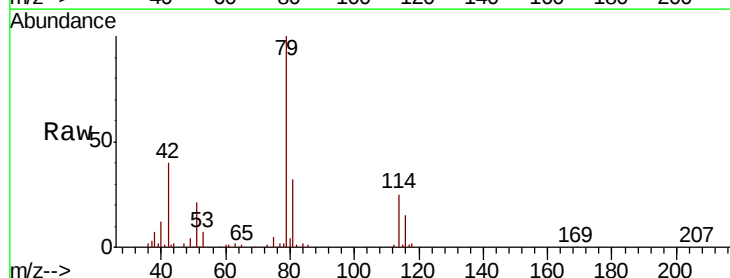
Acq: 13 Nov 2020 15:02

Tgt Ion: 75 Resp: 2640

Ion Ratio Lower Upper

75 100

77 40.4 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.58

1500

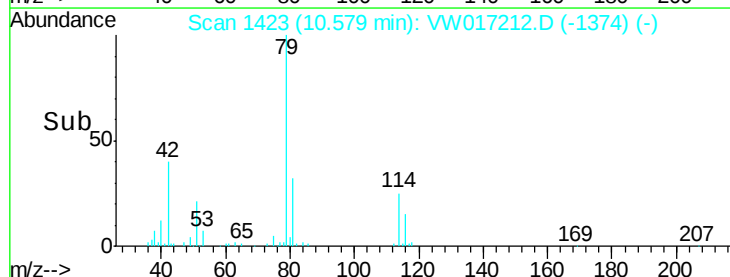
1000

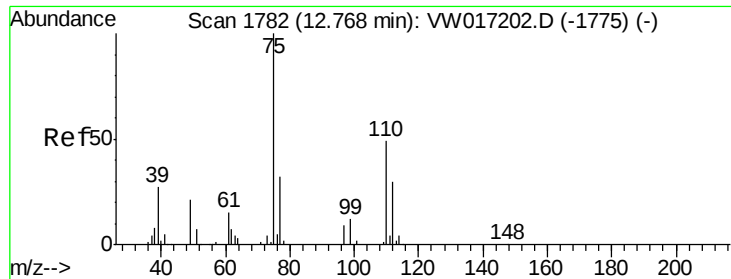
500

0

Time-->

10.55 10.60





#59

1,2,3-Trichloropropane

Concen: 4.779 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017212.D

Acq: 13 Nov 2020 15:02

Instrument :

MSVOA_W

ClientSampleId :

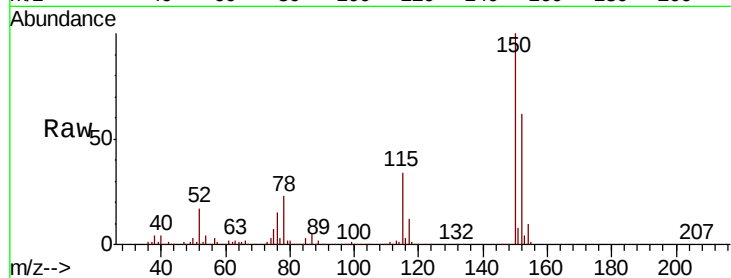
C0AY3

Tot Ion: 75 Resp: 16891

Ion Ratio Lower Upper

75 100

77 39.6 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

