

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072920\
 Data File : VW015995.D
 Acq On : 29 Jul 2020 17:50
 Operator : SY/VA
 Sample : L3492-04MSD
 Misc : 3.98G/10ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 D0AA0MSD

Quant Time: Jul 30 03:32:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 30 03:30:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	505191	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	446481	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	187030	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	141740	19.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.52%
7) Chloroethane-d5	2.90	69	117325	20.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.04%
10) 1,1-Dichloroethene-d2	4.02	63	306932	21.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.20%
20) 2-Butanone-d5	7.08	46	60931	32.54	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	65.08%
24) Chloroform-d	7.65	84	288880	20.36	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	81.44%
26) 1,2-Dichloroethane-d4	8.31	65	143712	18.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	73.80%
29) Benzene-d6	8.28	84	596700	21.96	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.84%
33) 1,2-Dichloropropane-d6	9.27	67	177993	21.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.40%
37) Toluene-d8	10.33	98	524452	21.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.20%
38) trans-1,3-Dichloropropene-	10.58	79	64613	18.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	74.44%
39) 2-Hexanone-d5	10.93	63	46626	34.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	68.74%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	116242	18.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	74.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	161560	22.15	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.60%

Target Compounds

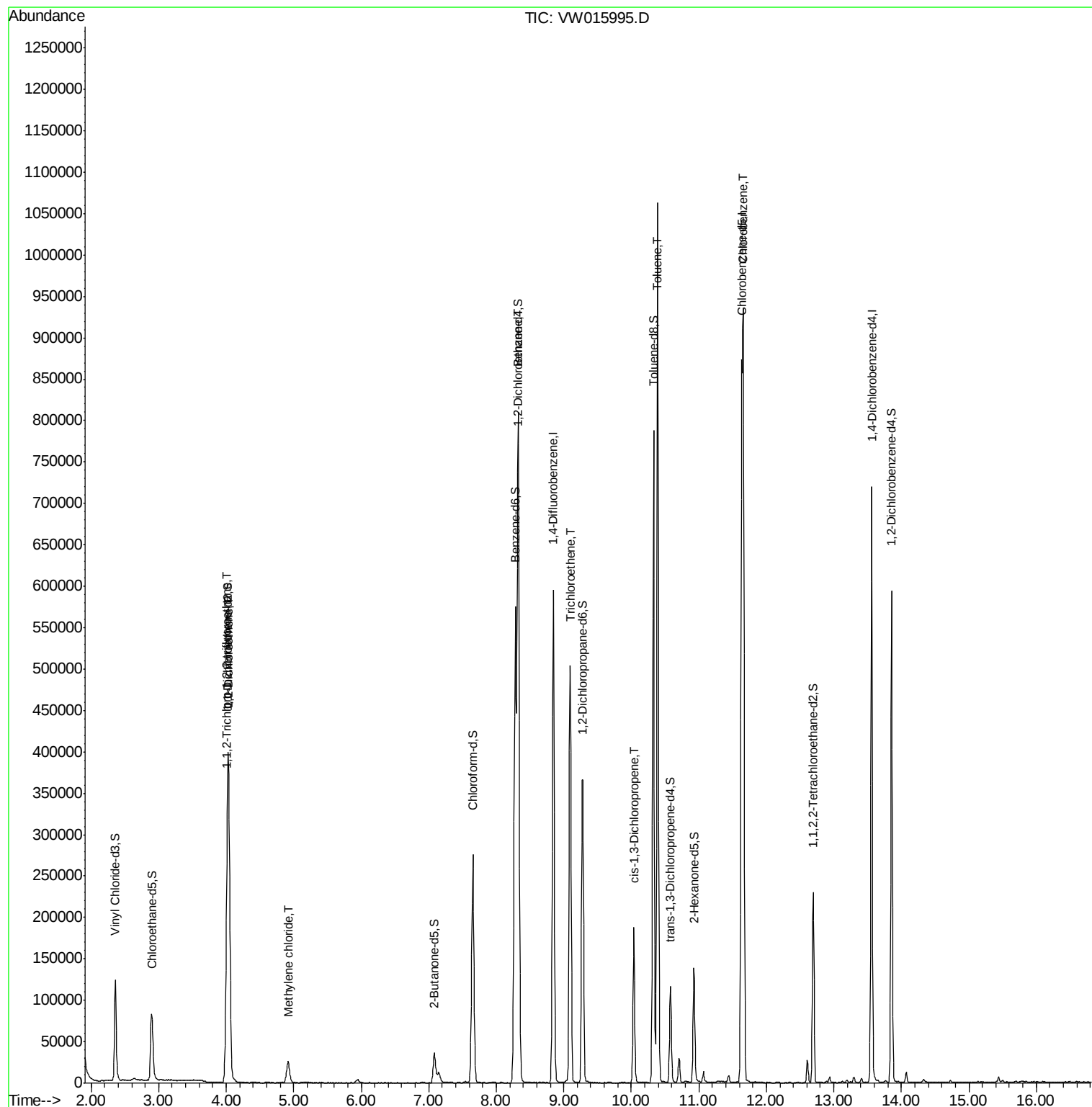
					Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	4.01	101	2444	0.373 ug/L #	21
12) 1,1-Dichloroethene	4.04	96	157846	24.306 ug/L	97
16) Methylene chloride	4.91	84	19397	2.343 ug/L	94
34) Benzene	8.33	78	726010	26.773 ug/L	100
35) Trichloroethene	9.10	95	184326	25.696 ug/L	99
42) cis-1,3-Dichloropropene	10.04	75	4262	0.417 ug/L #	54
44) Toluene	10.39	91	764084	26.865 ug/L	99
52) Chlorobenzene	11.66	112	460385	25.262 ug/L	99

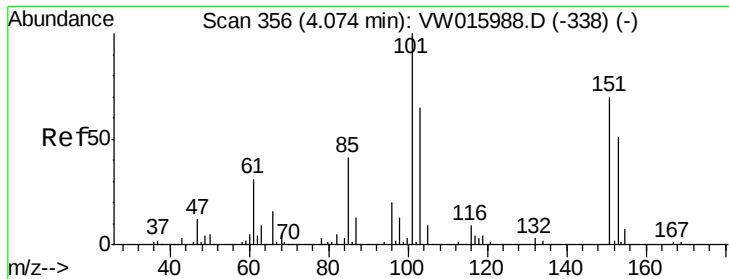
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 30 03:30:55 2020
Response via : Initial Calibration





#11

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

Concen: 0.373 ug/L

RT: 4.01 min Scan# 345

Delta R.T. -0.07 min

Lab File: VW015995.D

Acq: 29 Jul 2020 17:50

Instrument :

MSVOA_W

ClientSampleId :

D0AA0MSD

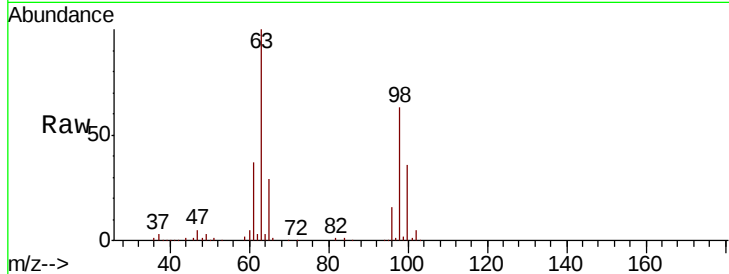
Tot Ion:101 Resp: 2444

Ion Ratio Lower Upper

101 100

85 2.0 35.5 53.3#

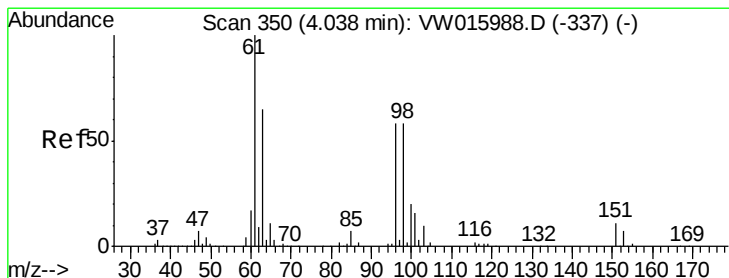
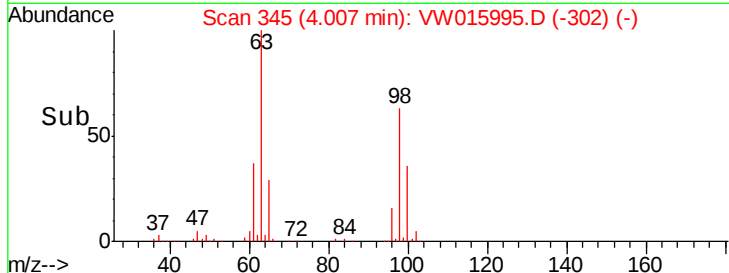
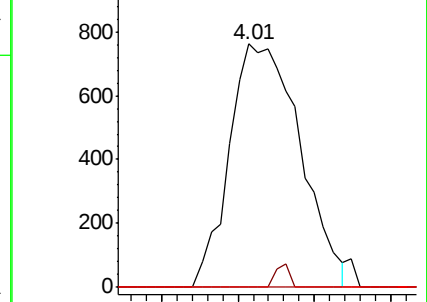
151 0.0 58.4 87.6#



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



#12

1,1-Dichloroethene

Concen: 24.306 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW015995.D

Acq: 29 Jul 2020 17:50

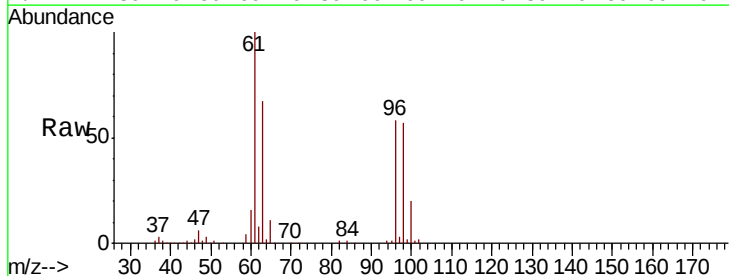
Tgt Ion: 96 Resp: 157846

Ion Ratio Lower Upper

96 100

61 173.3 125.0 232.2

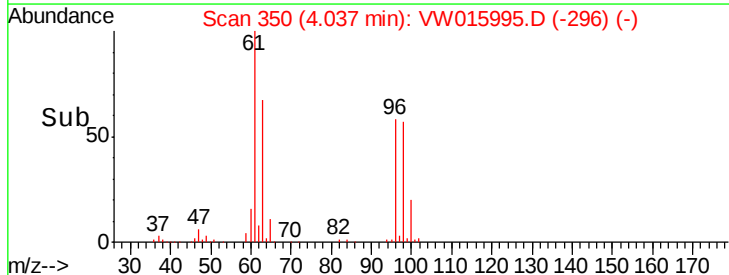
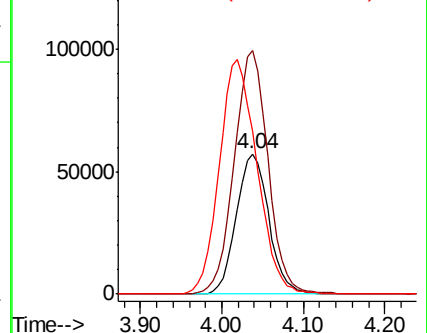
63 115.6 82.3 152.8

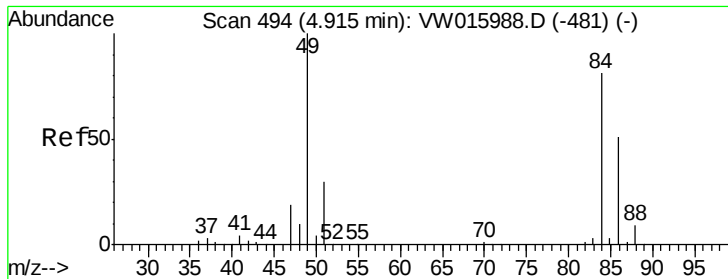


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

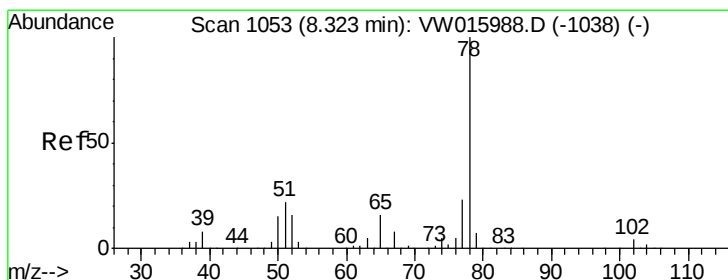
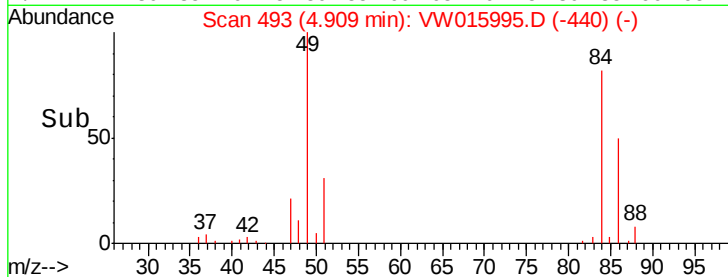
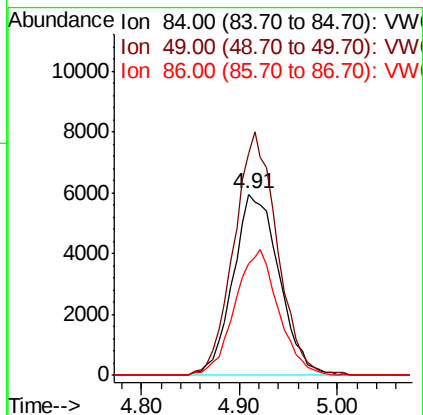
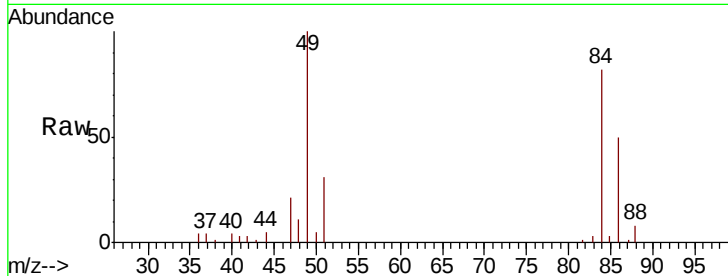




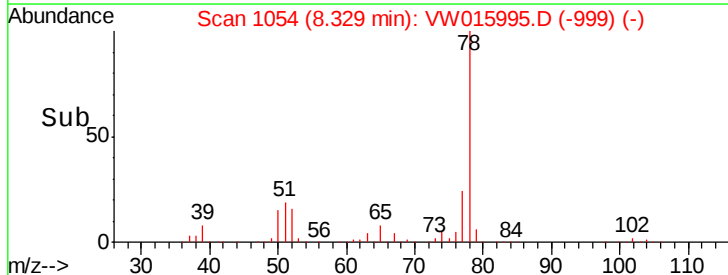
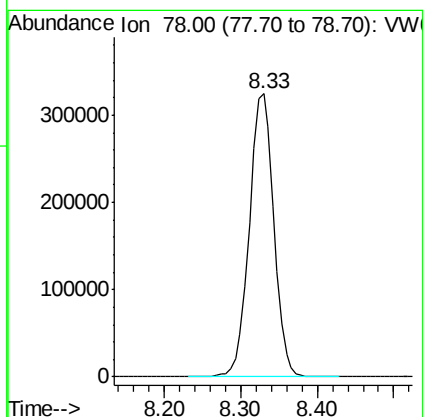
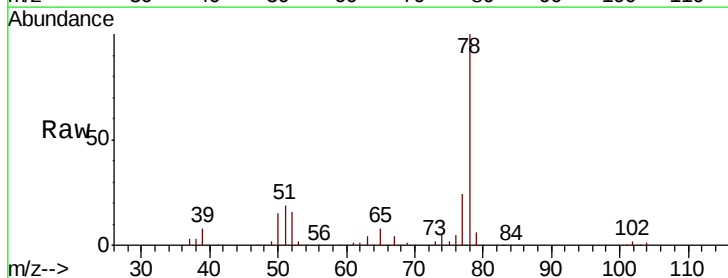
#16
Methvlene chloride
Concen: 2.343 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015995.D
Acq: 29 Jul 2020 17:50

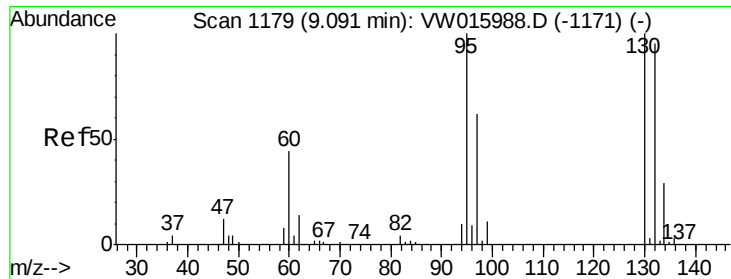
Instrument :
MSVOA_W
ClientSampleId :
D0AA0MSD

Tot Ion: 84 Resp: 19397
Ion Ratio Lower Upper
84 100
49 122.5 91.1 169.1
86 61.8 46.0 85.4



#34
Benzene
Concen: 26.773 ug/L
RT: 8.33 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VW015995.D
Acq: 29 Jul 2020 17:50
Tgt Ion: 78 Resp: 726010





#35

Trichloroethene

Concen: 25.696 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW015995.D

Acq: 29 Jul 2020 17:50

Instrument :

MSVOA_W

ClientSampleId :

D0AA0MSD

Tot Ion: 95 Resp: 184326

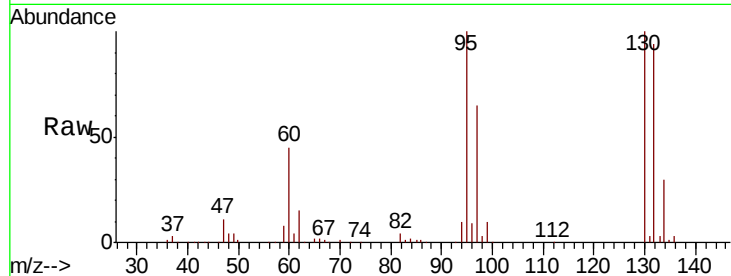
Ion Ratio Lower Upper

95 100

97 63.9 44.4 82.4

132 93.4 65.1 120.9

130 99.7 68.6 127.4

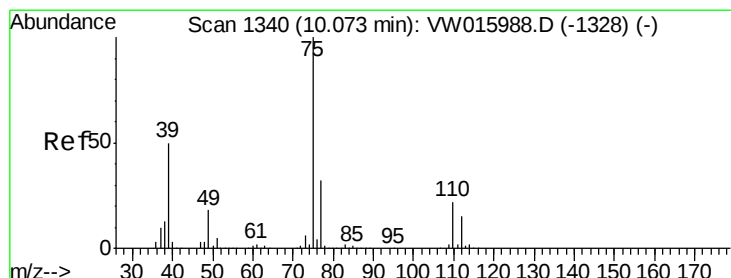
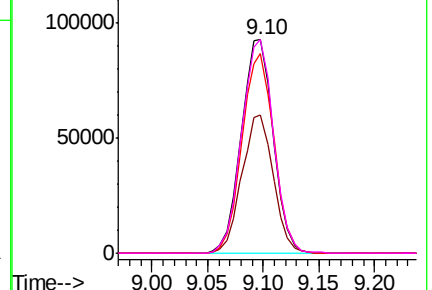
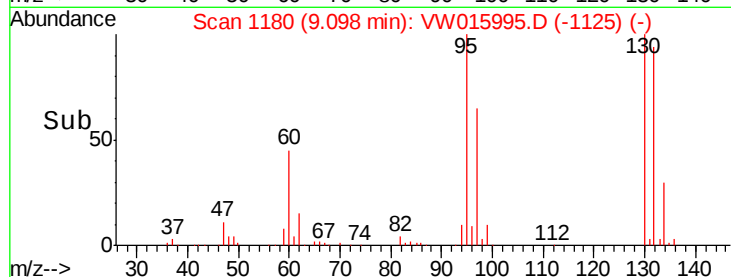


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#42

cis-1,3-Dichloropropene

Concen: 0.417 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW015995.D

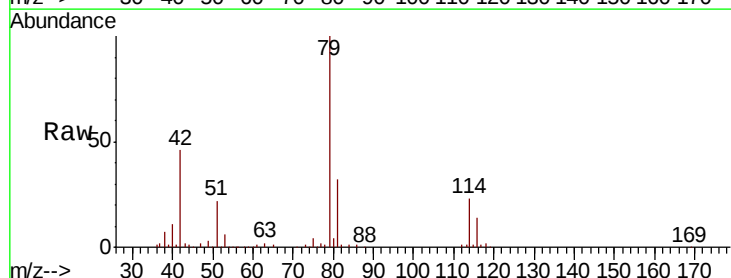
Acq: 29 Jul 2020 17:50

Tgt Ion: 75 Resp: 4262

Ion Ratio Lower Upper

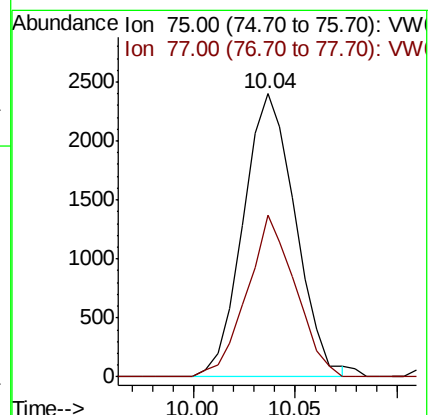
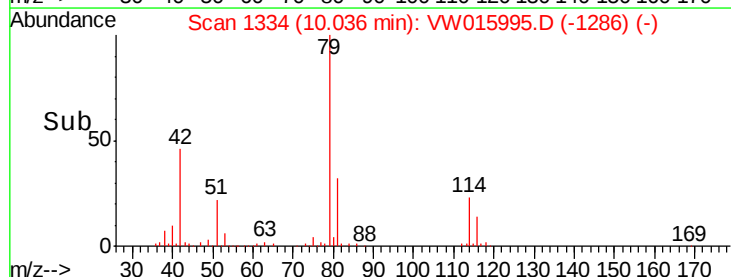
75 100

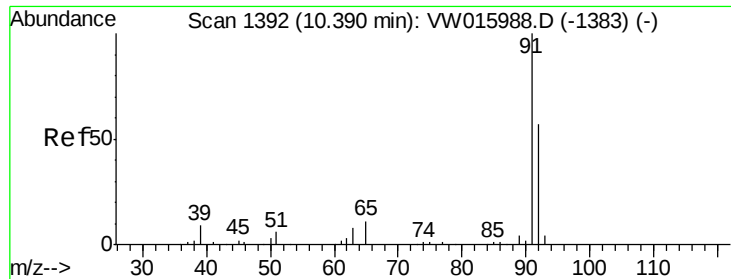
77 57.0 22.2 41.2#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#44

Toluene

Concen: 26.865 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015995.D

Acq: 29 Jul 2020 17:50

Instrument :

MSVOA_W

ClientSampleId :

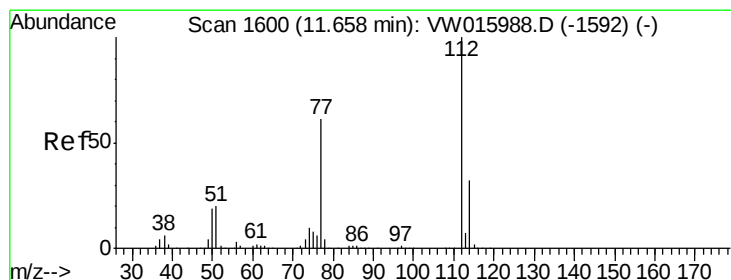
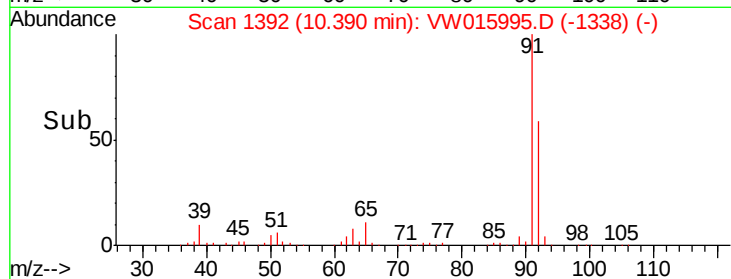
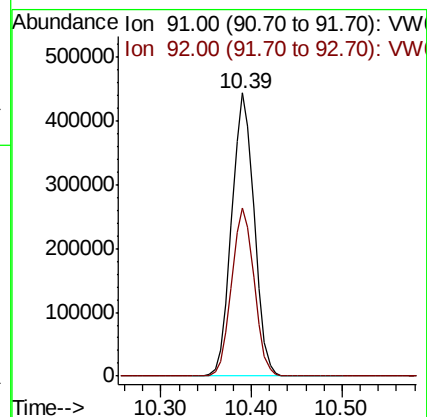
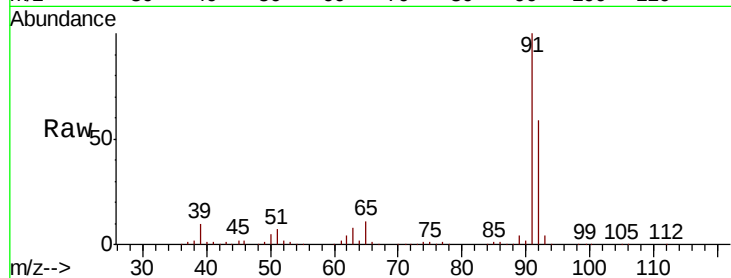
D0AA0MSD

Tot Ion: 91 Resp: 764084

Ion Ratio Lower Upper

91 100

92 59.3 41.2 76.4



#52

Chlorobenzene

Concen: 25.262 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW015995.D

Acq: 29 Jul 2020 17:50

Tgt Ion: 112 Resp: 460385

Ion Ratio Lower Upper

112 100

77 60.3 47.8 71.6

114 32.0 22.1 41.1

