

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072120\
 Data File : VW015890.D
 Acq On : 21 Jul 2020 16:32
 Operator : SY/VA
 Sample : L3347-04MAS
 Misc : 7.25G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAXZ8MSD

Quant Time: Jul 22 06:27:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 22 06:22:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	414316	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	391668	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	175820	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	143228	24.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.00%
7) Chloroethane-d5	2.89	69	109214	23.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.00%
10) 1,1-Dichloroethene-d2	4.02	63	273351	23.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.52%
20) 2-Butanone-d5	7.09	46	76417	49.76	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.52%
24) Chloroform-d	7.65	84	259717	22.32	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.28%
26) 1,2-Dichloroethane-d4	8.31	65	155791	24.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.56%
29) Benzene-d6	8.27	84	530209	22.24	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.96%
33) 1,2-Dichloropropane-d6	9.27	67	159901	22.37	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.48%
37) Toluene-d8	10.33	98	476269	22.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.20%
38) trans-1,3-Dichloropropene-	10.58	79	68494	22.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.92%
39) 2-Hexanone-d5	10.93	63	59776	50.23	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.46%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	128698	23.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.72%
61) 1,2-Dichlorobenzene-d4	13.86	152	163073	23.79	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.16%

Target Compounds

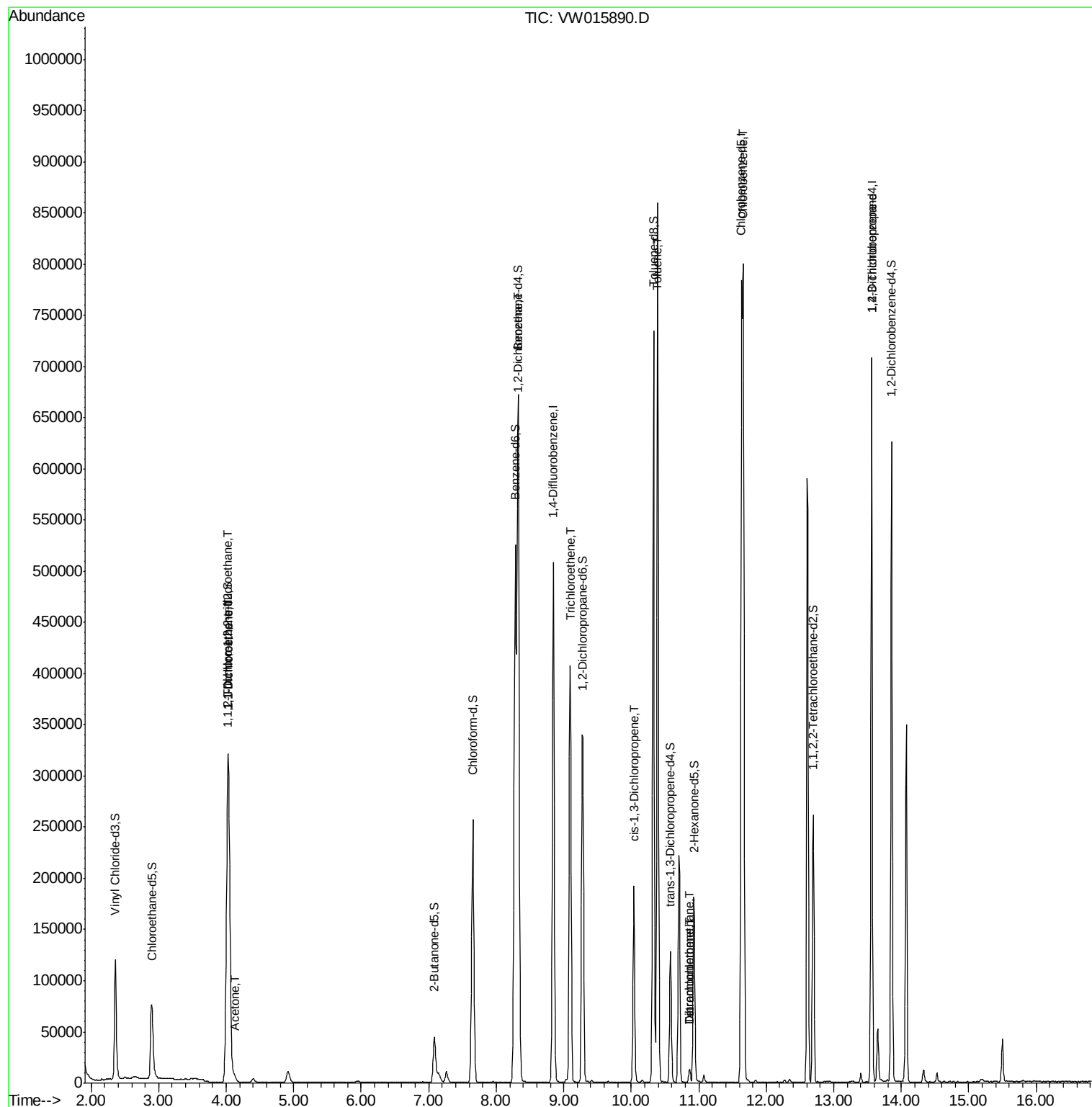
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	4.01	101	2227	0.414	ug/L #	20
12) 1,1-Dichloroethene	4.04	96	120401	22.606	ug/L	86
13) Acetone	4.13	43	7060	5.474	ug/L	97
34) Benzene	8.33	78	569049	23.921	ug/L	100
35) Trichloroethene	9.09	95	144432	22.952	ug/L	98
42) cis-1,3-Dichloropropene	10.04	75	4739	0.528	ug/L #	70
44) Toluene	10.39	91	605346	24.263	ug/L	99
47) Tetrachloroethene	10.87	164	2906	0.595	ug/L	93
50) Dibromochloromethane	10.87	129	2796	0.570	ug/L #	11
52) Chlorobenzene	11.66	112	388397	24.294	ug/L	99
59) 1,2,3-Trichloropropane	13.56	75	22694	6.087	ug/L	92

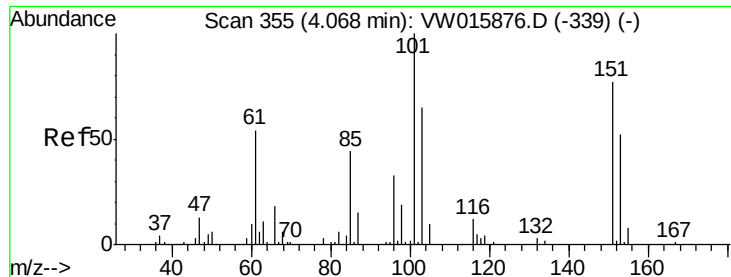
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#11

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

Concen: 0.414 ug/L

RT: 4.01 min Scan# 346

Delta R.T. -0.05 min

Lab File: VW015890.D

Acq: 21 Jul 2020 16:32

Instrument :

MSVOA_W

ClientSampled :

GAXZ8MSD

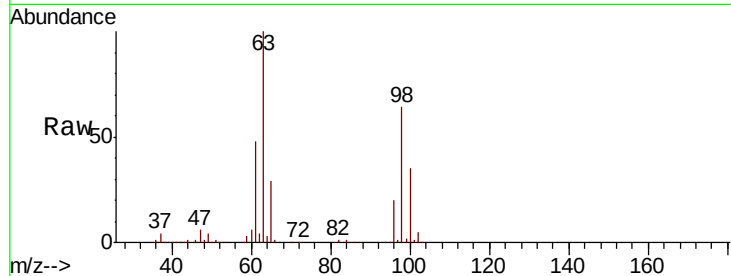
Tot Ion:101 Resp: 2227

Ion Ratio Lower Upper

101 100

85 0.0 35.5 53.3#

151 0.0 58.4 87.6#

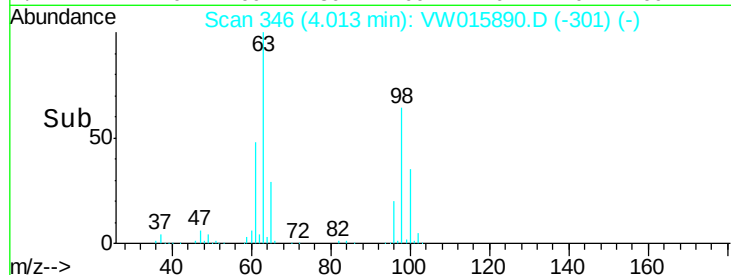


Abundance Ion 101.00 (100.70 to 101.70): V

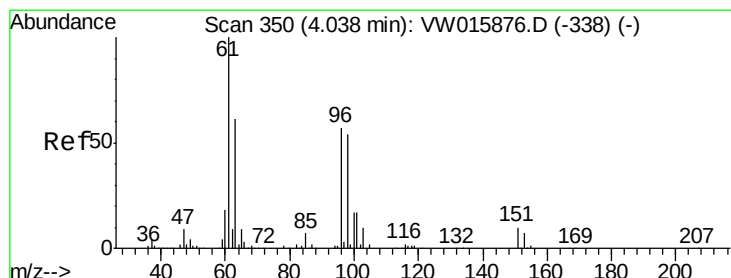
Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V

Time-->



Time-->



#12

1,1-Dichloroethene

Concen: 22.606 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW015890.D

Acq: 21 Jul 2020 16:32

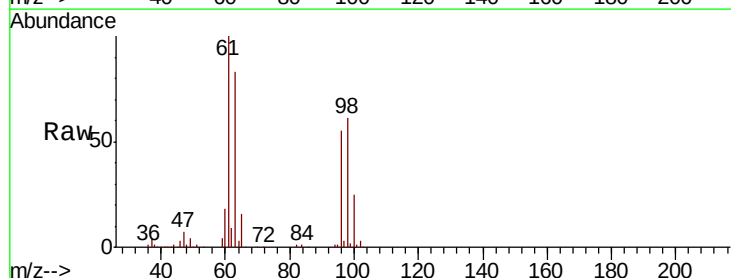
Tgt Ion: 96 Resp: 120401

Ion Ratio Lower Upper

96 100

61 182.6 125.0 232.2

63 150.7 82.3 152.8

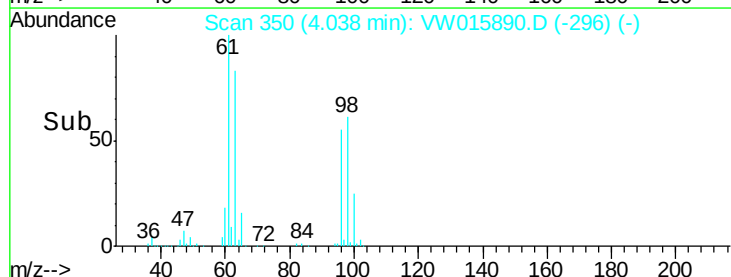


Abundance Ion 96.00 (95.70 to 96.70): VW

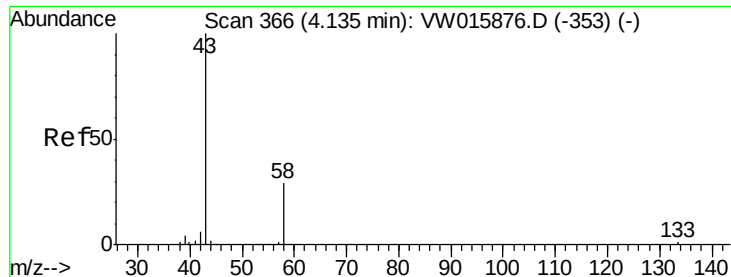
Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

Time-->



Time-->



#13

Acetone

Concen: 5.474 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW015890.D

Acq: 21 Jul 2020 16:32

Instrument :

MSVOA_W

ClientSampleId :

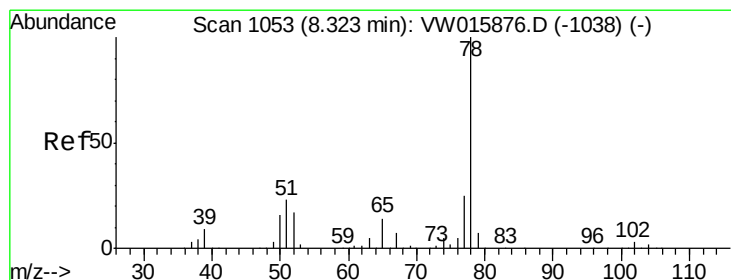
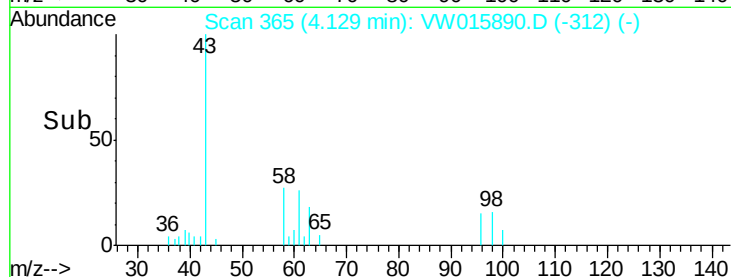
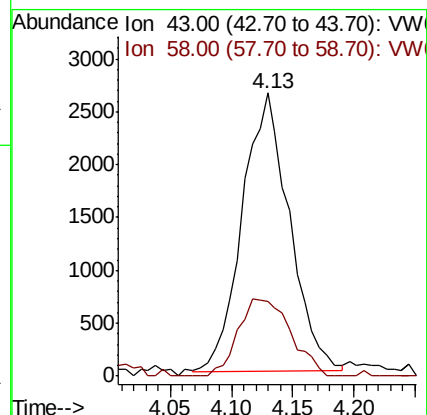
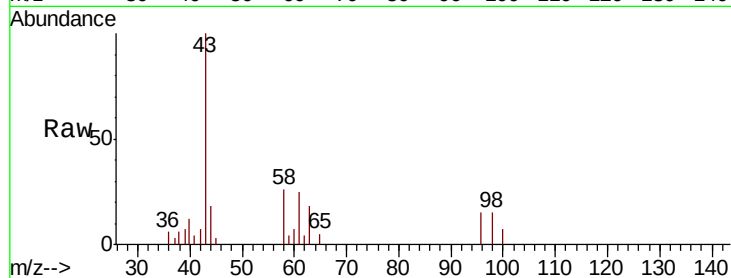
GAXZ8MSD

Tot Ion: 43 Resp: 7060

Ion Ratio Lower Upper

43 100

58 30.6 0.0 58.2



#34

Benzene

Concen: 23.921 ug/L

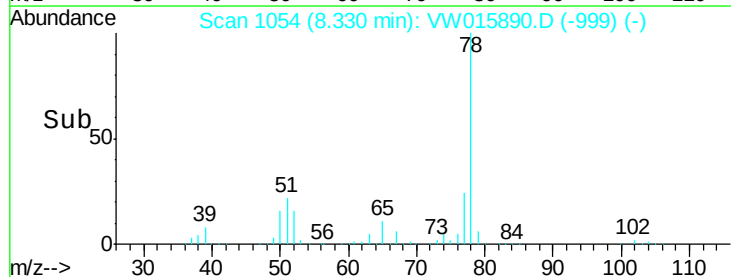
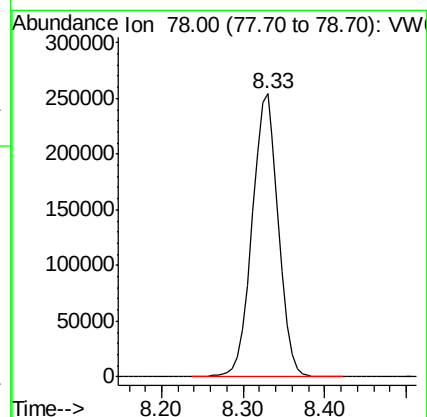
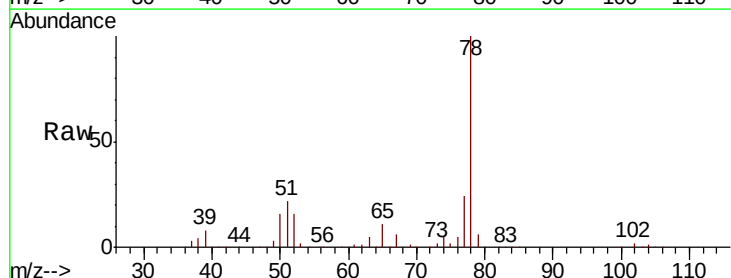
RT: 8.33 min Scan# 1054

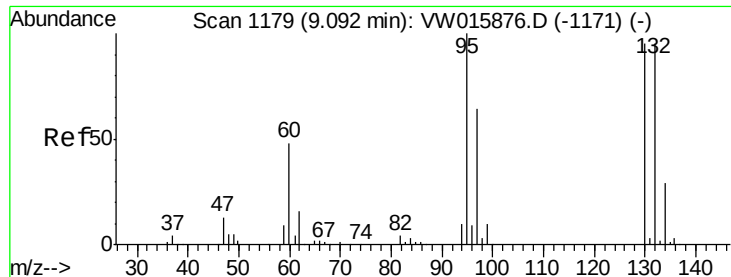
Delta R.T. 0.01 min

Lab File: VW015890.D

Acq: 21 Jul 2020 16:32

Tgt Ion: 78 Resp: 569049





#35

Trichloroethene

Concen: 22.952 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015890.D

Acq: 21 Jul 2020 16:32

Instrument :

MSVOA_W

ClientSampleId :

GAXZ8MSD

Tot Ion: 95 Resp: 144432

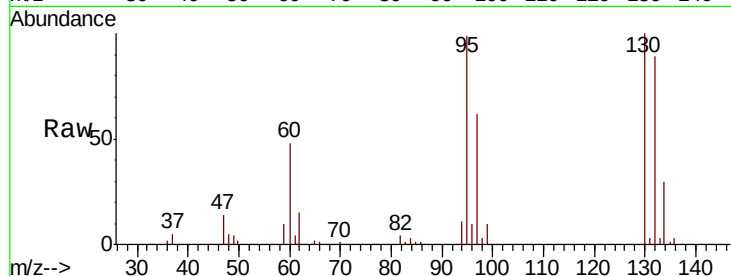
Ion Ratio Lower Upper

95 100

97 63.9 44.4 82.4

132 95.9 65.1 120.9

130 100.9 68.6 127.4

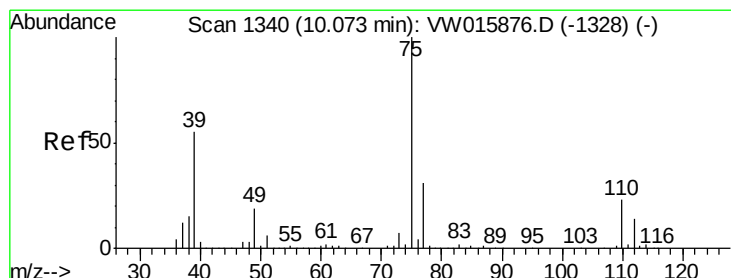
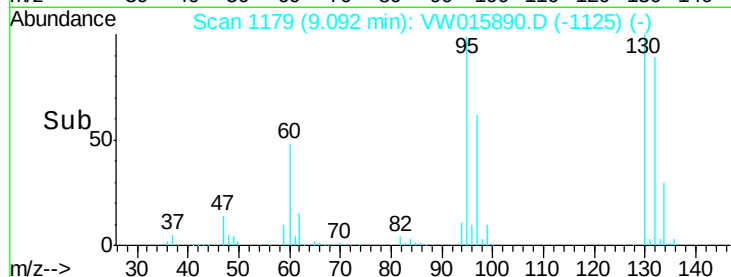
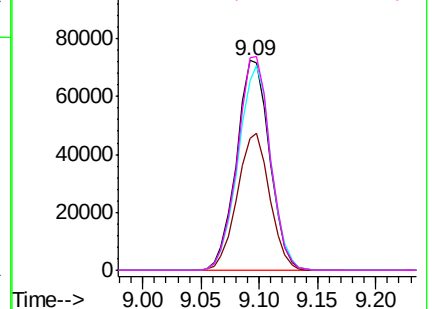


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 0.528 ug/L

RT: 10.04 min Scan# 1335

Delta R.T. -0.03 min

Lab File: VW015890.D

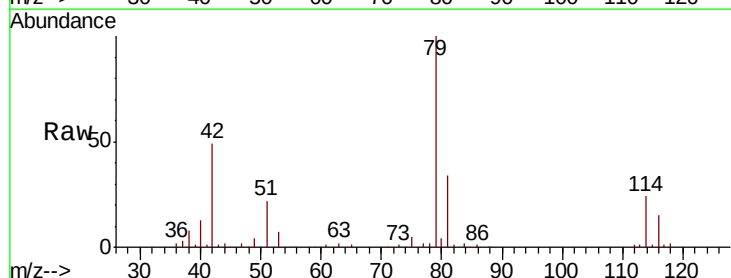
Acq: 21 Jul 2020 16:32

Tgt Ion: 75 Resp: 4739

Ion Ratio Lower Upper

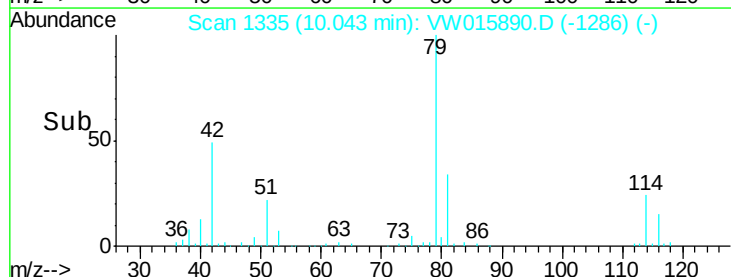
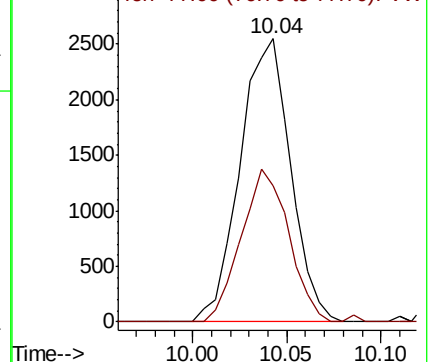
75 100

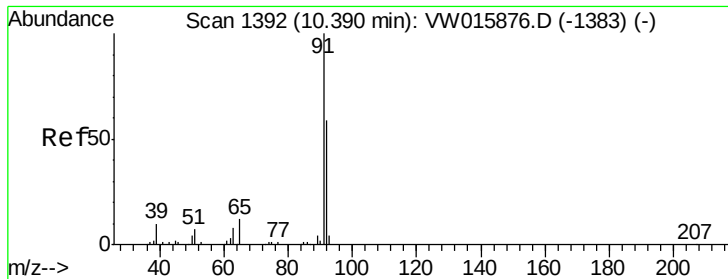
77 48.1 22.2 41.2#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#44

Toluene

Concen: 24.263 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015890.D

Acq: 21 Jul 2020 16:32

Instrument :

MSVOA_W

ClientSampleId :

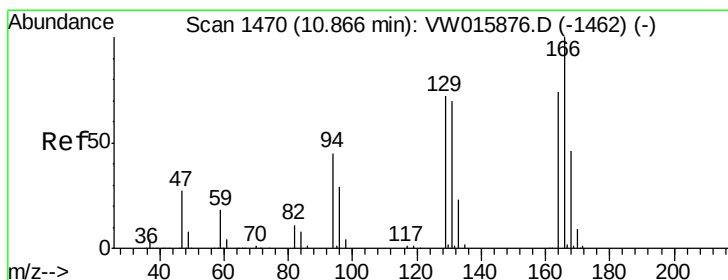
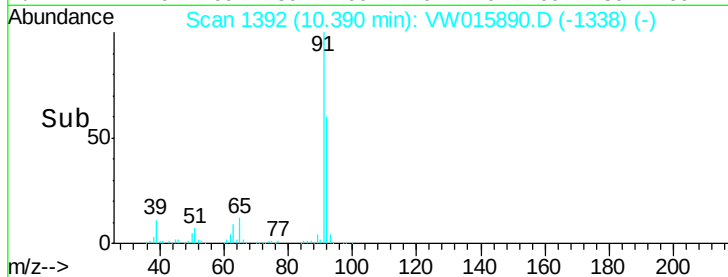
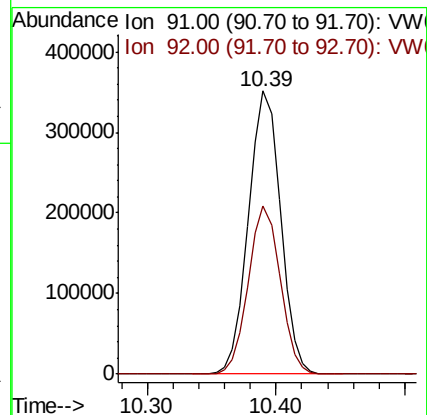
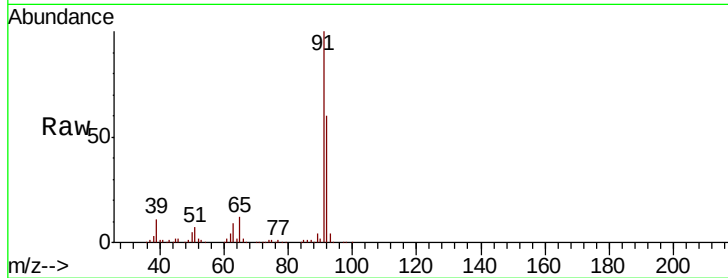
GAXZ8MSD

Tot Ion: 91 Resp: 605346

Ion Ratio Lower Upper

91 100

92 59.6 41.2 76.4



#47

Tetrachloroethene

Concen: 0.595 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW015890.D

Acq: 21 Jul 2020 16:32

Tgt Ion: 164 Resp: 2906

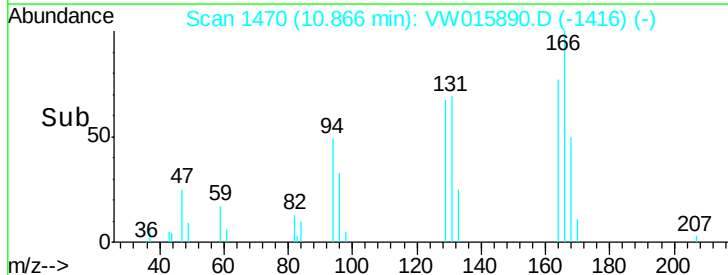
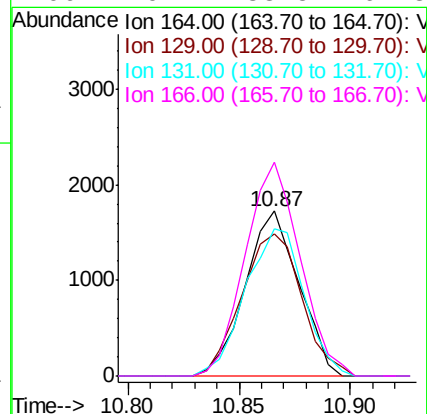
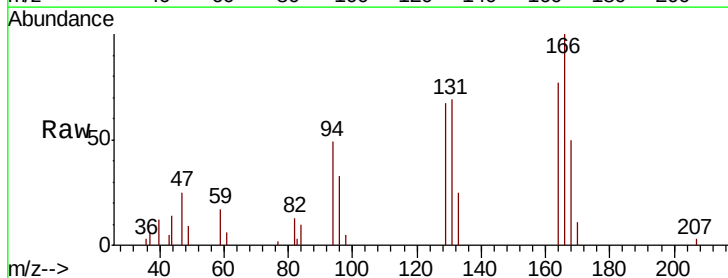
Ion Ratio Lower Upper

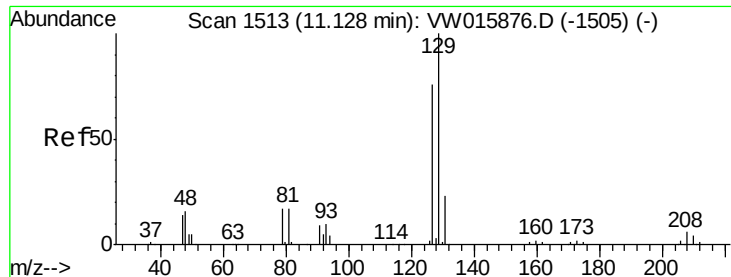
164 100

129 86.3 70.0 130.0

131 89.5 67.3 124.9

166 129.4 88.5 164.3

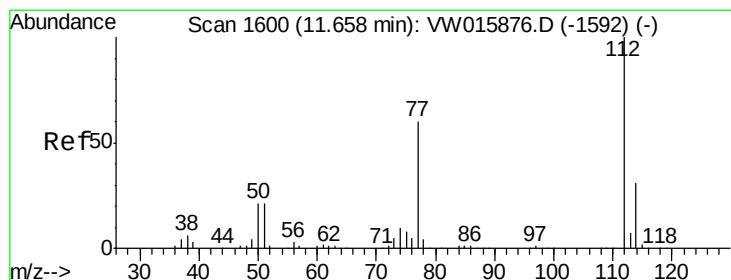
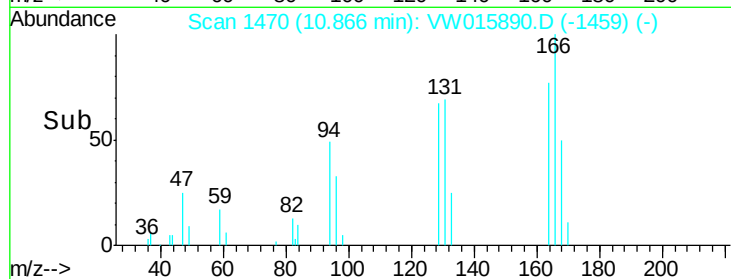
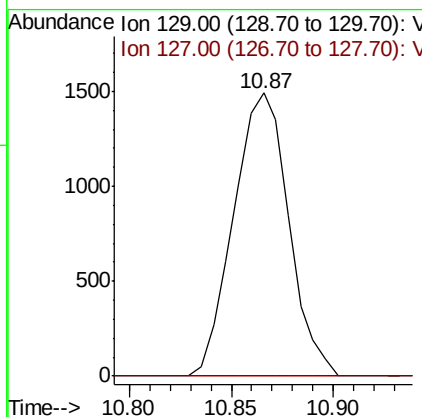
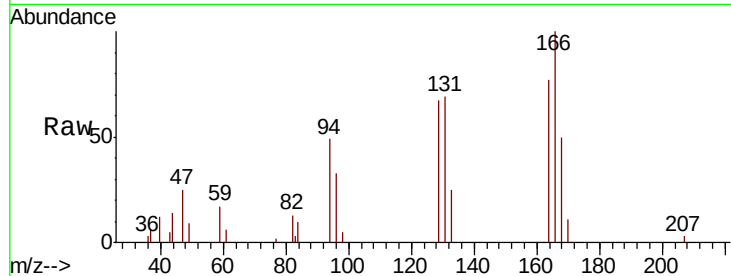




#50
Dibromochloromethane
Concen: 0.570 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.26 min
Lab File: VW015890.D
Acq: 21 Jul 2020 16:32

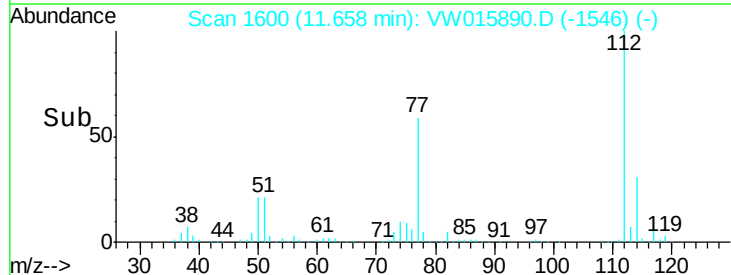
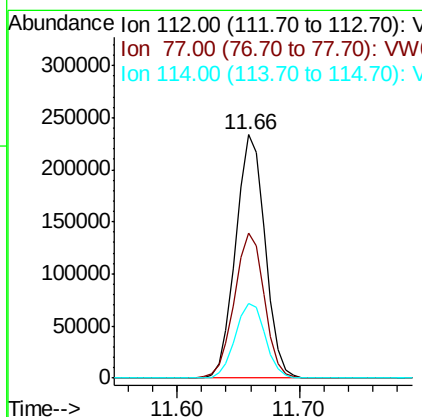
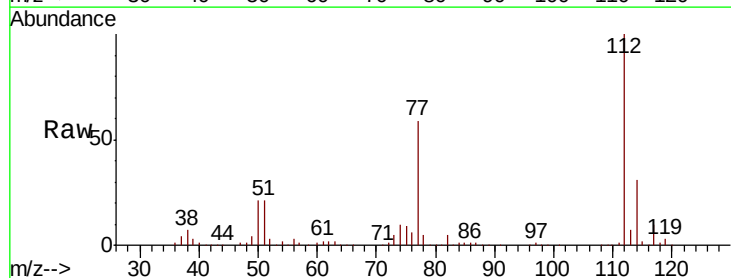
Instrument :
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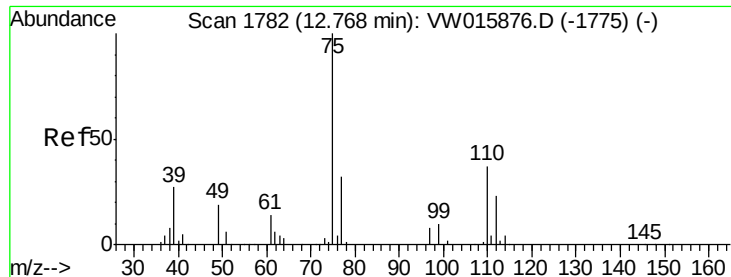
Tot Ion:129 Resp: 2796
Ion Ratio Lower Upper
129 100
127 0.0 53.8 100.0#



#52
Chlorobenzene
Concen: 24.294 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015890.D
Acq: 21 Jul 2020 16:32

Tgt Ion:112 Resp: 388397
Ion Ratio Lower Upper
112 100
77 59.5 47.8 71.6
114 30.6 22.1 41.1





#59

1,2,3-Trichloropropane

Concen: 6.087 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW015890.D

Acq: 21 Jul 2020 16:32

Instrument :

MSVOA_W

ClientSampleId :

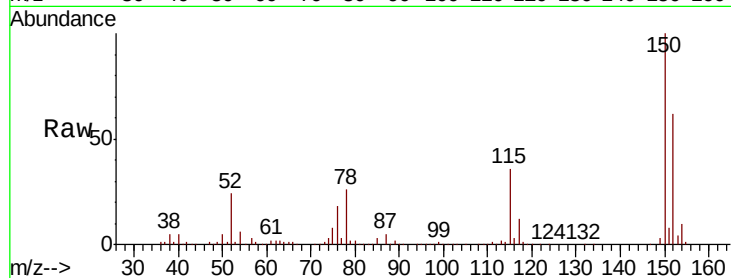
GAXZ8MSD

Tot Ion: 75 Resp: 22694

Ion Ratio Lower Upper

75 100

77 36.9 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

