

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081120\
 Data File : VW016131.D
 Acq On : 11 Aug 2020 13:13
 Operator : SY/VA
 Sample : L3598-07MS
 Misc : 5.51G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAY64MS

Quant Time: Aug 11 16:09:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 11 16:06:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	411497	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	367906	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	127954	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	116393	22.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.24%
7) Chloroethane-d5	2.89	69	85616	22.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.44%
10) 1,1-Dichloroethene-d2	4.01	63	243440	22.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.88%
20) 2-Butanone-d5	7.09	46	78978	58.83	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.66%
24) Chloroform-d	7.65	84	250230	22.66	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.64%
26) 1,2-Dichloroethane-d4	8.31	65	148281	25.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.12%
29) Benzene-d6	8.27	84	485012	24.23	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.92%
33) 1,2-Dichloropropane-d6	9.27	67	146664	24.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.68%
37) Toluene-d8	10.32	98	429163	23.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.52%
38) trans-1,3-Dichloropropene-	10.58	79	68217	25.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.16%
39) 2-Hexanone-d5	10.93	63	64954	63.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	127.96%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	131901	27.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.12%
61) 1,2-Dichlorobenzene-d4	13.86	152	118736	26.18	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.72%

Target Compounds

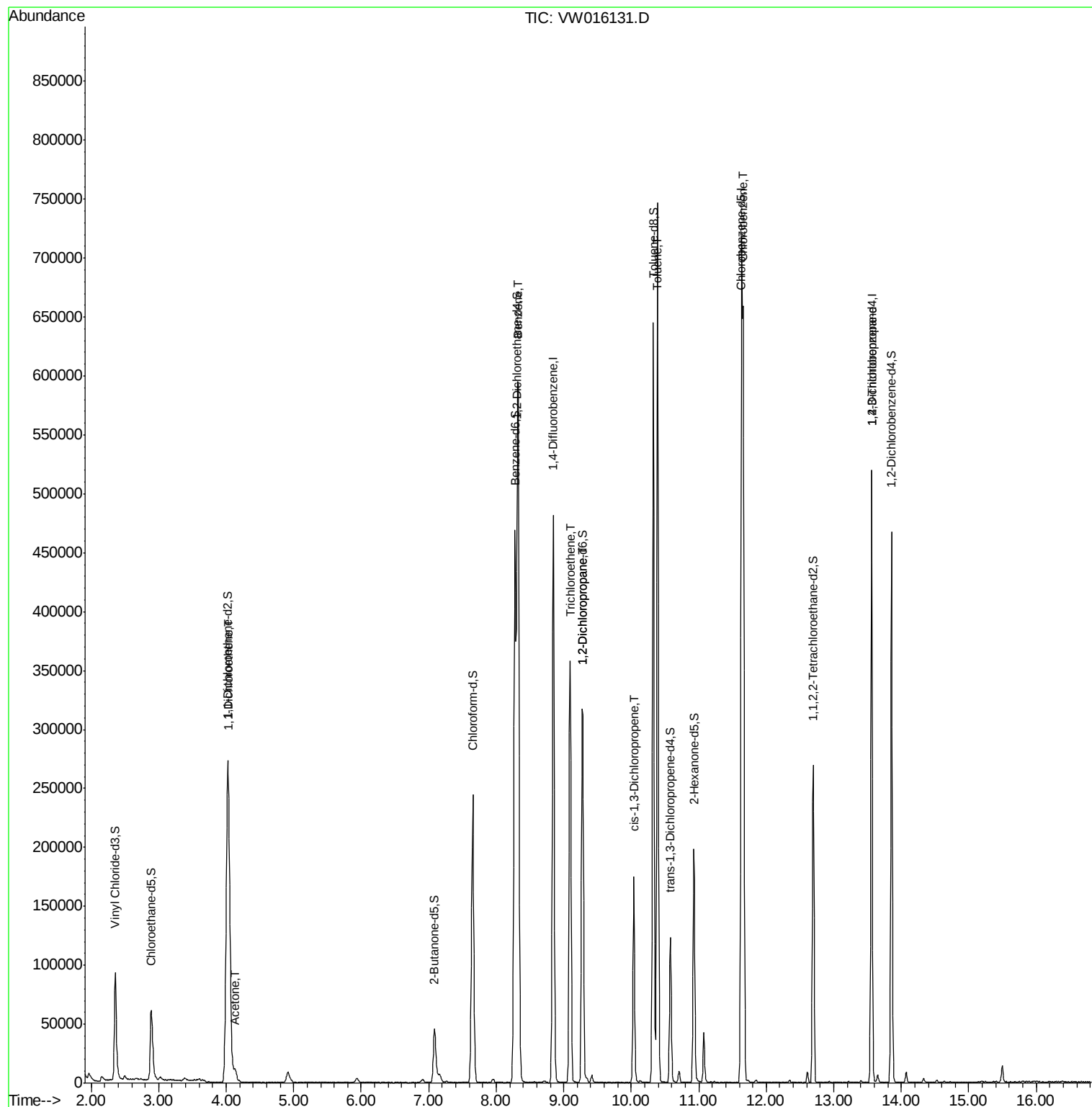
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	4.04	96	109323	20.699	ug/L	93
13) Acetone	4.14	43	15179	14.946	ug/L	99
34) Benzene	8.33	78	508805	23.982	ug/L	100
35) Trichloroethene	9.09	95	129876	22.766	ug/L	99
40) 1,2-Dichloropropane	9.27	63	17236	3.308	ug/L #	86
42) cis-1,3-Dichloropropene	10.04	75	4695	0.592	ug/L	86
44) Toluene	10.39	91	532806	23.790	ug/L	98
52) Chlorobenzene	11.66	112	329411	22.230	ug/L	98
59) 1,2,3-Trichloropropane	13.56	75	15593	4.301	ug/L	91

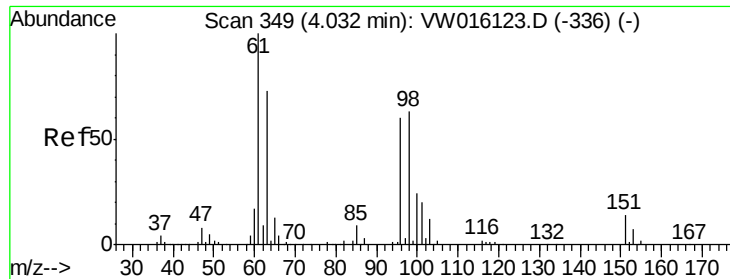
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 11 16:06:11 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 20.699 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW016131.D

Acq: 11 Aug 2020 13:13

Instrument :

MSVOA_W

ClientSampled :

GAY64MS

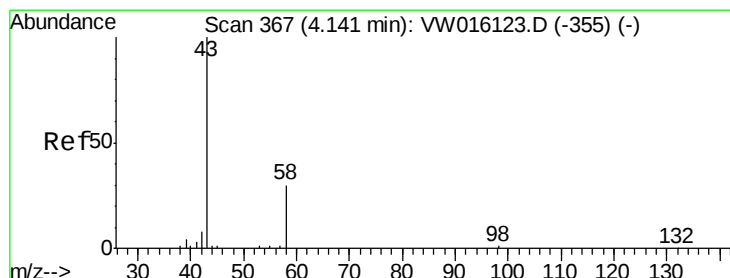
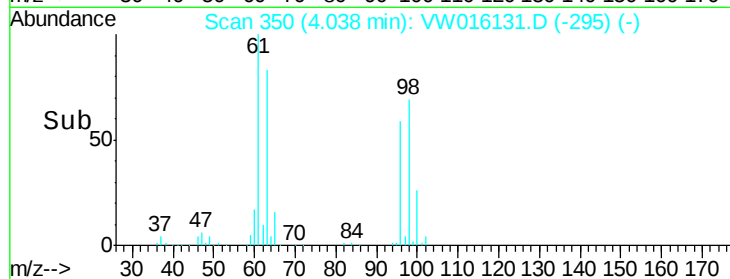
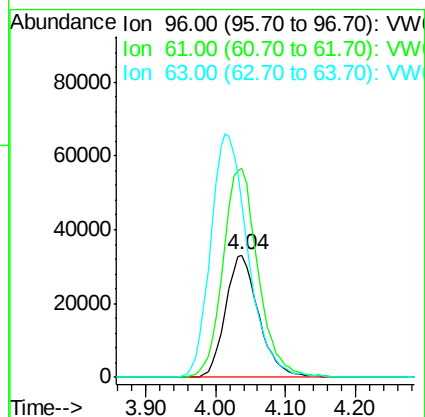
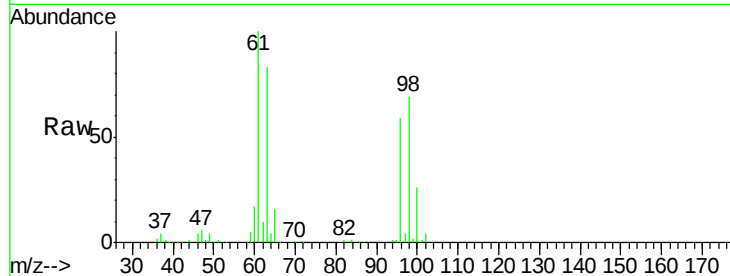
Tgt Ion: 96 Resp: 109323

Ion Ratio Lower Upper

96 100

61 170.8 120.2 223.2

63 142.4 86.4 160.4



#13

Acetone

Concen: 14.946 ug/L

RT: 4.14 min Scan# 367

Delta R.T. -0.00 min

Lab File: VW016131.D

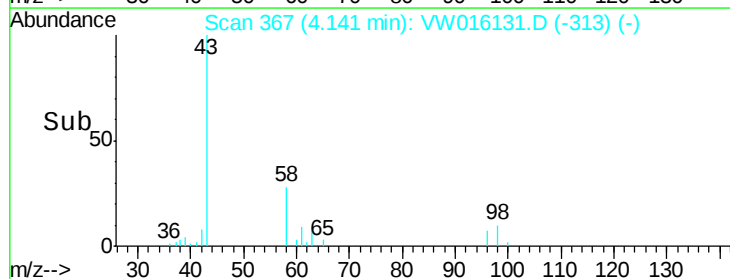
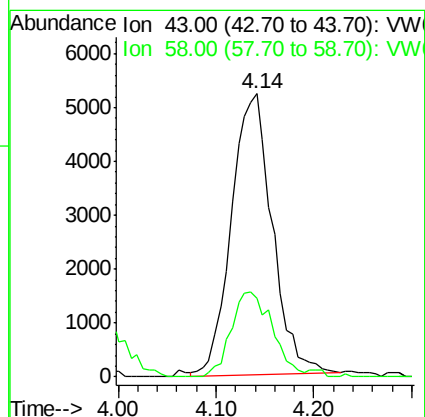
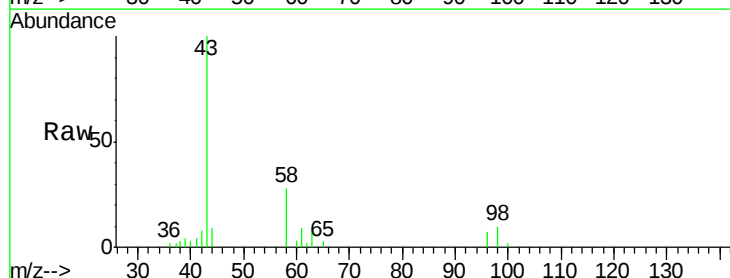
Acq: 11 Aug 2020 13:13

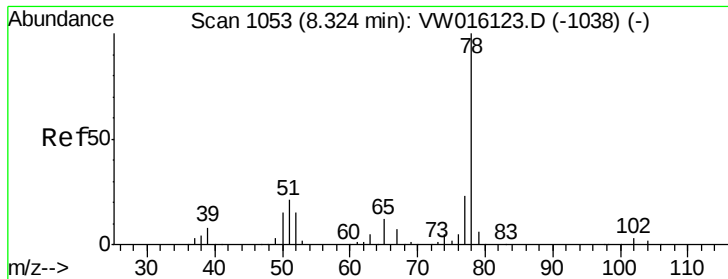
Tgt Ion: 43 Resp: 15179

Ion Ratio Lower Upper

43 100

58 30.2 0.0 59.4





#34

Benzene

Concen: 23.982 ug/L

RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW016131.D

Acq: 11 Aug 2020 13:13

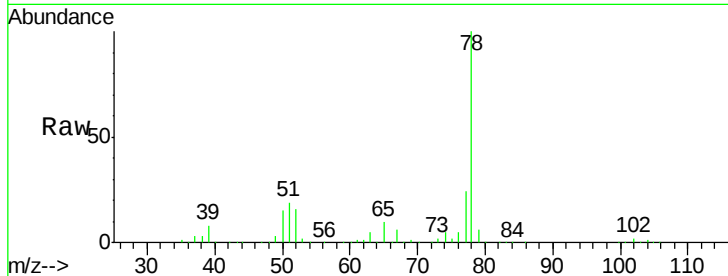
Instrument :

MSVOA_W

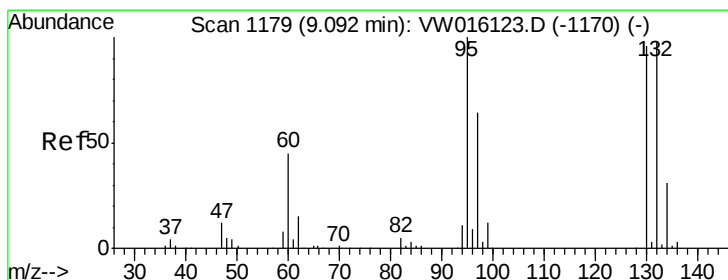
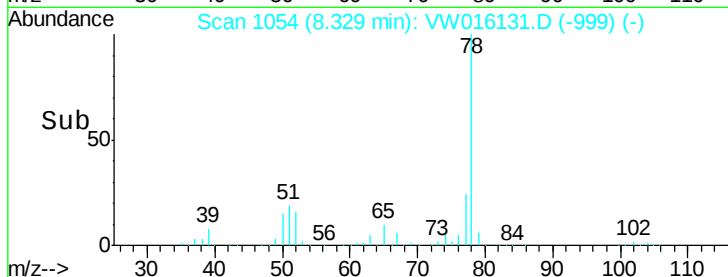
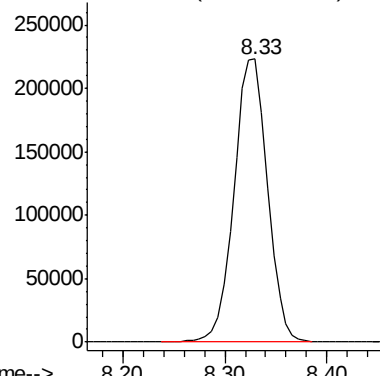
ClientSampleId :

GAY64MS

Tgt Ion: 78 Resp: 508805



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 22.766 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW016131.D

Acq: 11 Aug 2020 13:13

Tgt Ion: 95 Resp: 129876

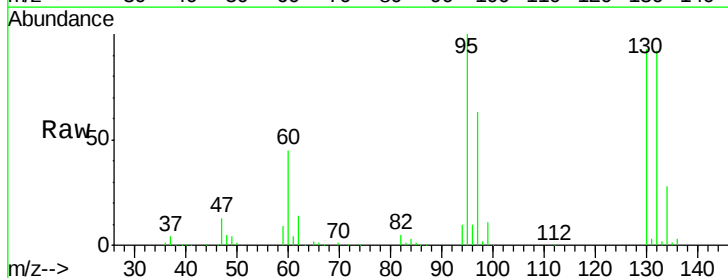
Ion	Ratio	Lower	Upper
95	100		
97	63.8	44.9	83.3
132	95.6	65.8	122.2
130	100.4	69.5	129.1

95 100

97 63.8 44.9 83.3

132 95.6 65.8 122.2

130 100.4 69.5 129.1



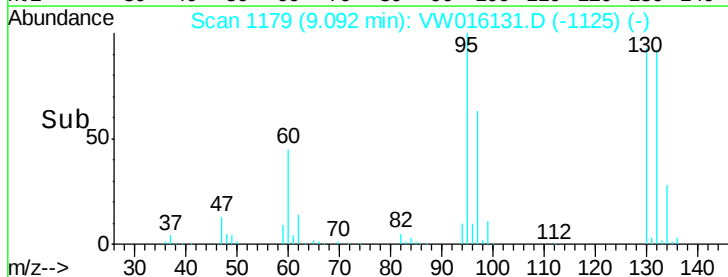
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

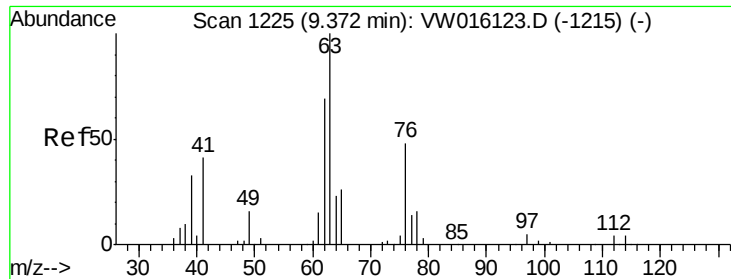
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

9.09



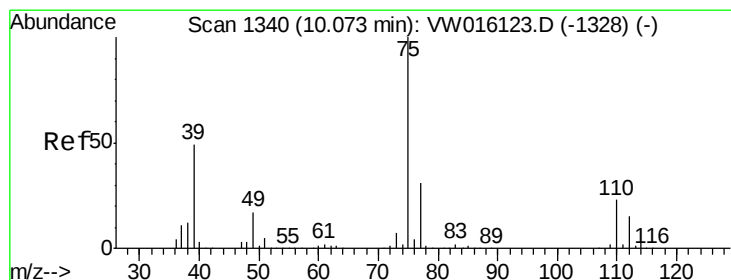
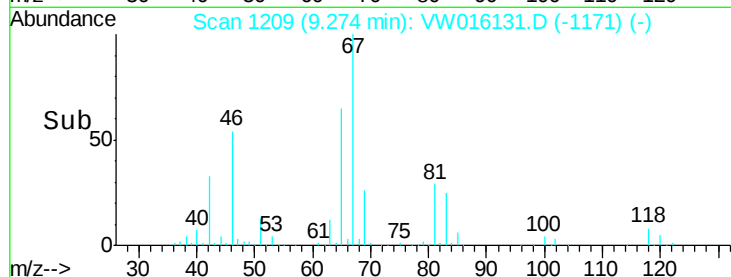
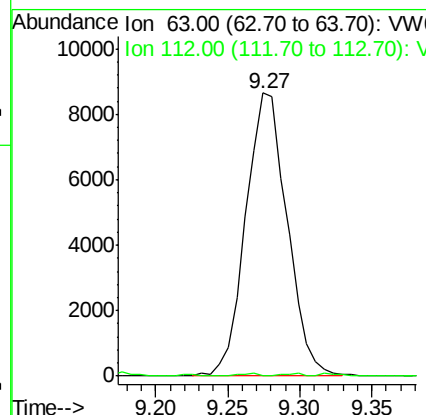
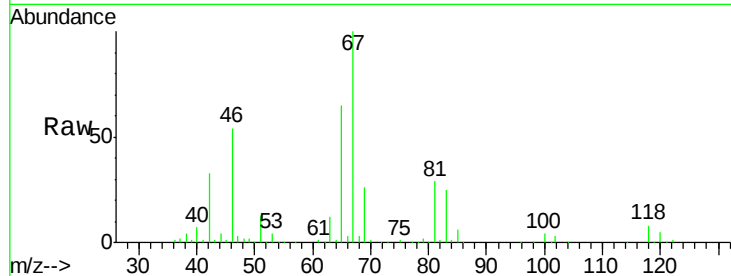
Time-->



#40
 1,2-Dichloropropane
 Concen: 3.308 ug/L
 RT: 9.27 min Scan# 1209
 Delta R.T. -0.10 min
 Lab File: VW016131.D
 Acq: 11 Aug 2020 13:13

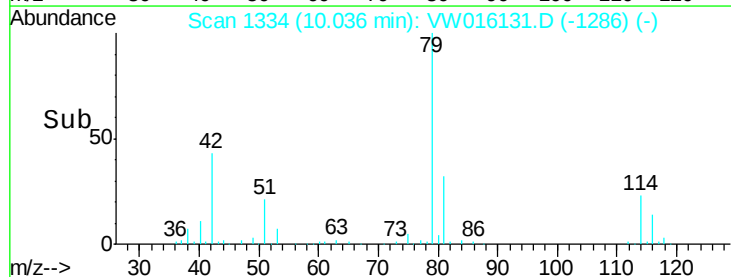
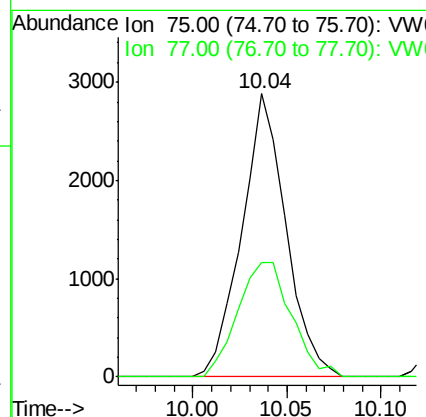
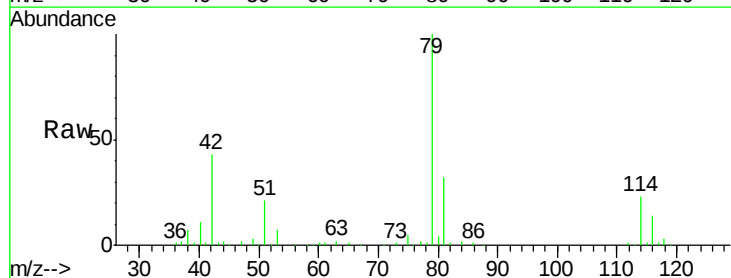
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 MSVOA_W
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 GAY64MS

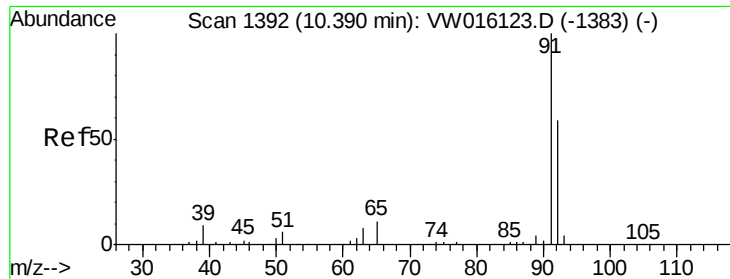
Tgt Ion: 63 Resp: 17236
 Ion Ratio Lower Upper
 63 100
 112 0.4 4.0 6.0#



#42
 cis-1,3-Dichloropropene
 Concen: 0.592 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW016131.D
 Acq: 11 Aug 2020 13:13

Tgt Ion: 75 Resp: 4695
 Ion Ratio Lower Upper
 75 100
 77 40.4 22.9 42.5





#44

Toluene

Concen: 23.790 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016131.D

Acq: 11 Aug 2020 13:13

Instrument :

MSVOA_W

ClientSampleId :

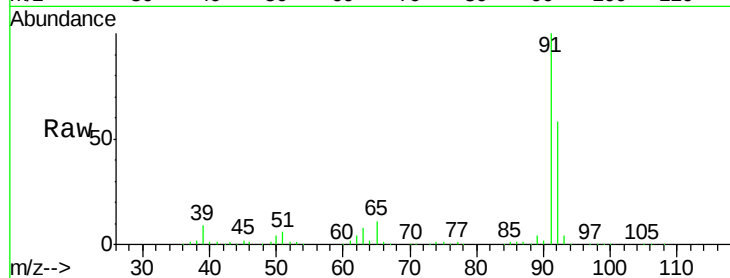
GAY64MS

Tgt Ion: 91 Resp: 532806

Ion Ratio Lower Upper

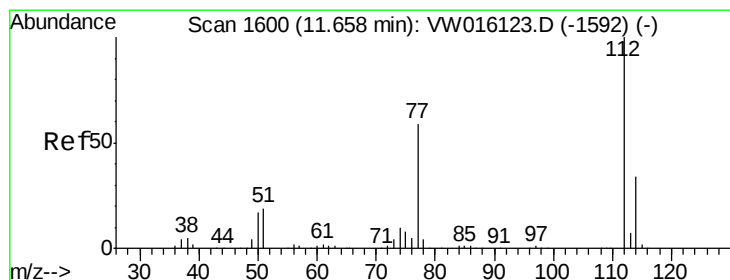
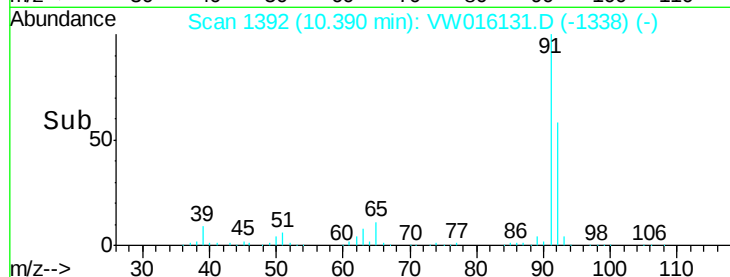
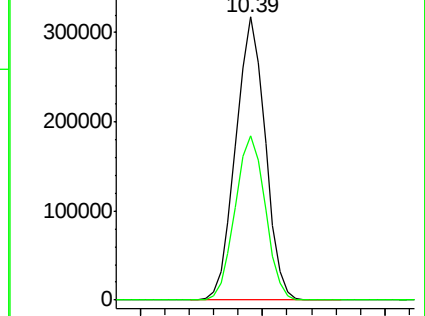
91 100

92 58.1 41.8 77.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#52

Chlorobenzene

Concen: 22.230 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW016131.D

Acq: 11 Aug 2020 13:13

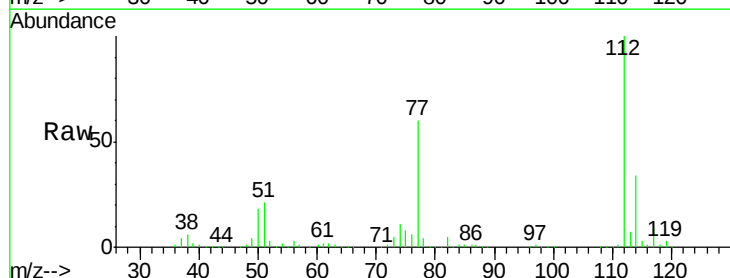
Tgt Ion: 112 Resp: 329411

Ion Ratio Lower Upper

112 100

77 59.5 49.1 73.7

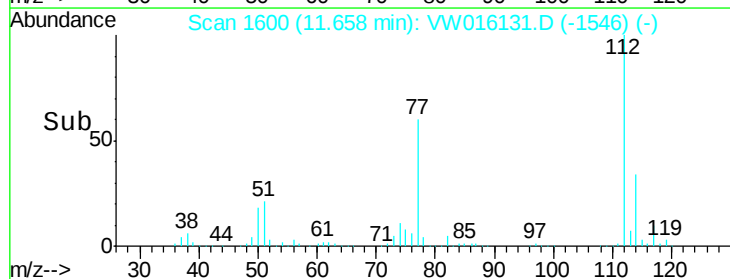
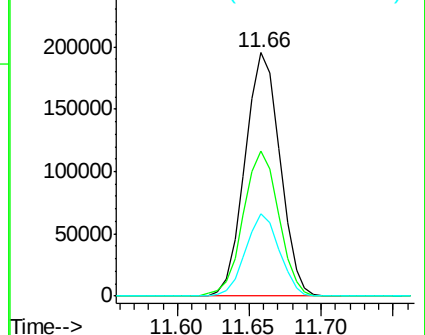
114 34.0 23.5 43.7

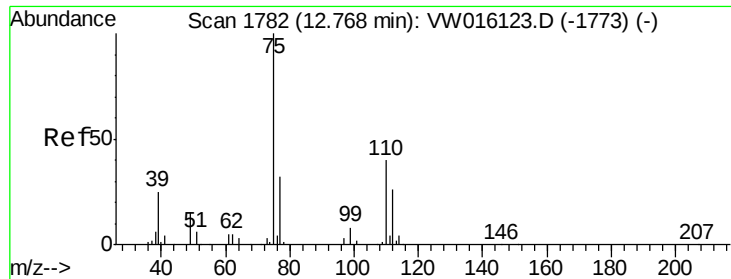


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V





#59

1,2,3-Trichloropropane

Concen: 4.301 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016131.D

Acq: 11 Aug 2020 13:13

Instrument :

MSVOA_W

ClientSampleId :

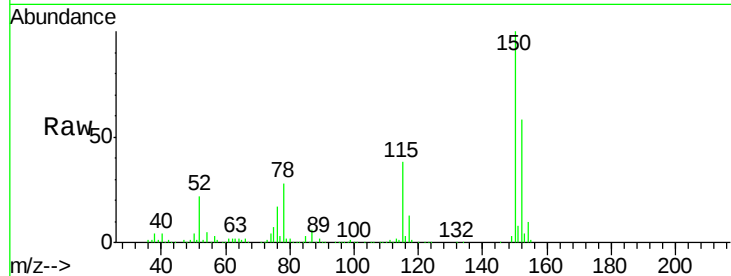
GAY64MS

Tgt Ion: 75 Resp: 15593

Ion Ratio Lower Upper

75 100

77 37.5 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

12000

10000

8000

6000

4000

2000

0

Time--> 13.50 13.55 13.60

