

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072120\
 Data File : VW015885.D
 Acq On : 21 Jul 2020 13:56
 Operator : SY/VA
 Sample : L3341-02MS
 Misc : 4.81G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 GAXY4MS

Quant Time: Jul 22 06:26:34 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	8.84	114	422751	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	394001	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	175519	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	127125	21.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.24%
7) Chloroethane-d5	2.89	69	97849	20.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.80%
10) 1,1-Dichloroethene-d2	4.01	63	249031	20.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.60%
20) 2-Butanone-d5	7.09	46	74971	47.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.68%
24) Chloroform-d	7.65	84	230273	19.39	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	77.56%
26) 1,2-Dichloroethane-d4	8.31	65	139128	21.35	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.40%
29) Benzene-d6	8.28	84	461025	19.22	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	76.88%
33) 1,2-Dichloropropane-d6	9.27	67	139605	19.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	77.68%
37) Toluene-d8	10.33	98	420616	19.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	77.44%
38) trans-1,3-Dichloropropene-	10.58	79	62934	20.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.16%
39) 2-Hexanone-d5	10.93	63	57870	48.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.68%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	121751	22.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.12%
61) 1,2-Dichlorobenzene-d4	13.85	152	139716	20.41	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	81.64%

Target Compounds

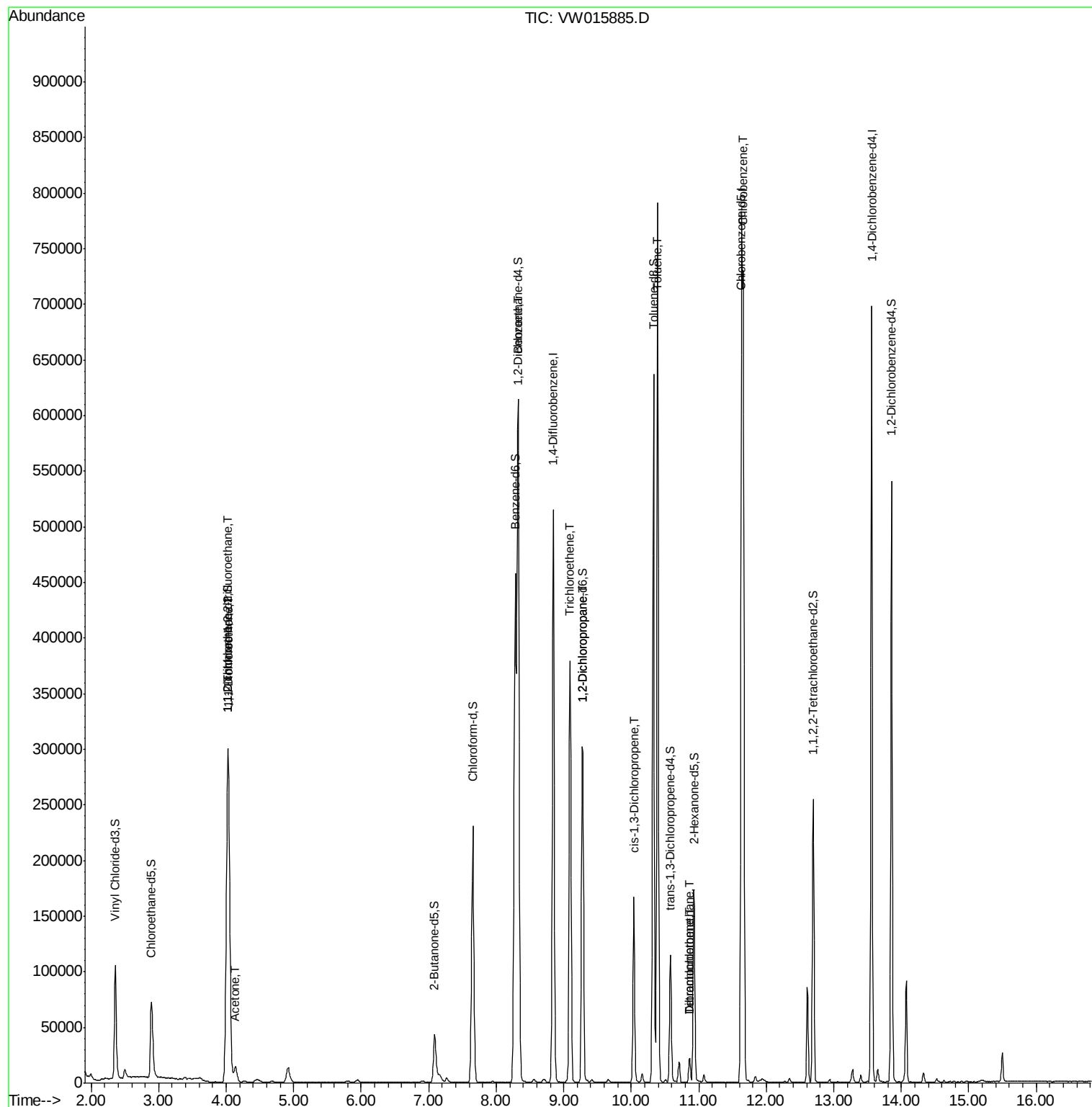
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	4.01	101	1997	0.364	ug/L #	20
12) 1,1-Dichloroethene	4.04	96	112195	20.645	ug/L	97
13) Acetone	4.14	43	24110	18.322	ug/L	99
34) Benzene	8.32	78	518675	21.675	ug/L	100
35) Trichloroethene	9.09	95	134051	21.176	ug/L	98
40) 1,2-Dichloropropane	9.27	63	16686	2.815	ug/L #	86
42) cis-1,3-Dichloropropene	10.04	75	4109	0.455	ug/L #	65
44) Toluene	10.39	91	560533	22.334	ug/L	99
47) Tetrachloroethene	10.87	164	5071	1.032	ug/L	95
50) Dibromochloromethane	10.87	129	4556	0.923	ug/L #	11
52) Chlorobenzene	11.66	112	347066	21.580	ug/L	98

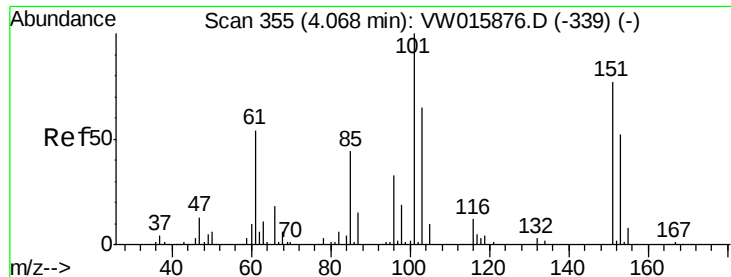
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Jul 22 06:22:59 2020
Response via : Initial Calibration





#11

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

Concen: 0.364 ug/L

RT: 4.01 min Scan# 346

Delta R.T. -0.05 min

Lab File: VW015885.D

Acq: 21 Jul 2020 13:56

Instrument :

MSVOA_W

ClientSampleId :

GAXY4MS

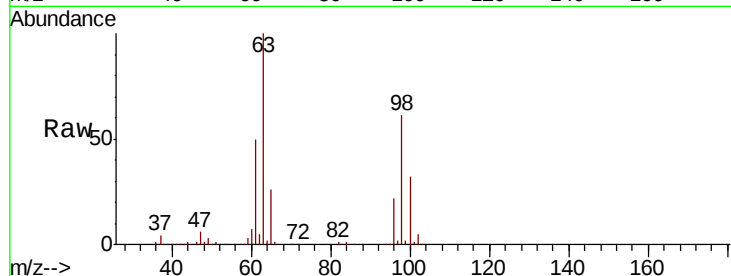
Tot Ion:101 Resp: 1997

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

4.01

600

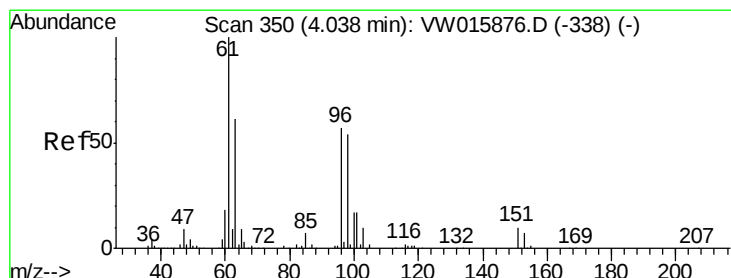
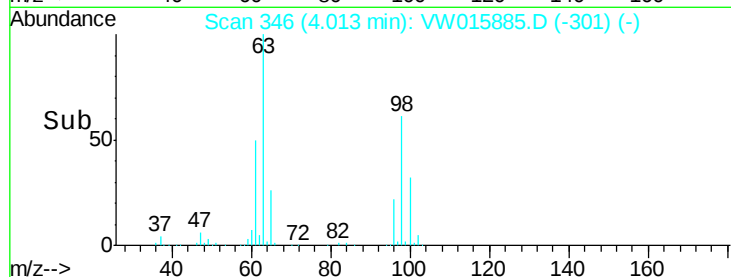
400

200

0

3.95 4.00 4.05 4.10

Time-->



#12

1,1-Dichloroethene

Concen: 20.645 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW015885.D

Acq: 21 Jul 2020 13:56

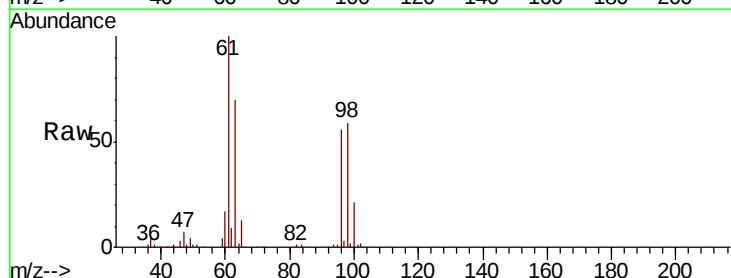
Tgt Ion: 96 Resp: 112195

Ion Ratio Lower Upper

96 100

61 178.2 125.0 232.2

63 124.8 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

100000

80000

60000

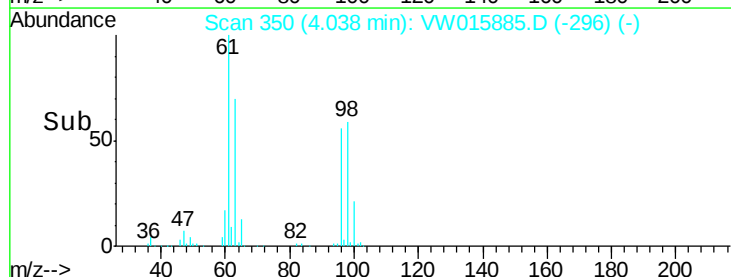
40000

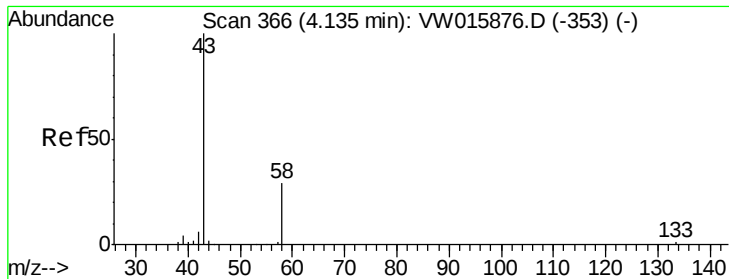
20000

0

3.90 4.00 4.10 4.20

Time-->





#13

Acetone

Concen: 18.322 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW015885.D

Acq: 21 Jul 2020 13:56

Instrument :

MSVOA_W

ClientSampleId :

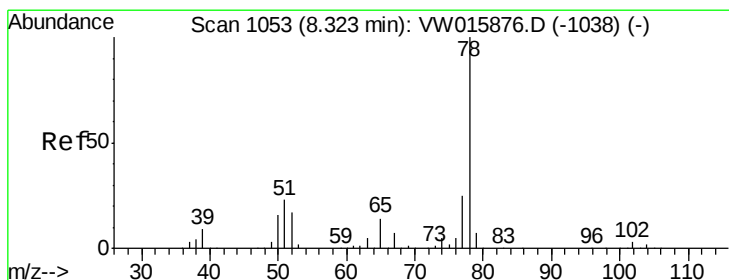
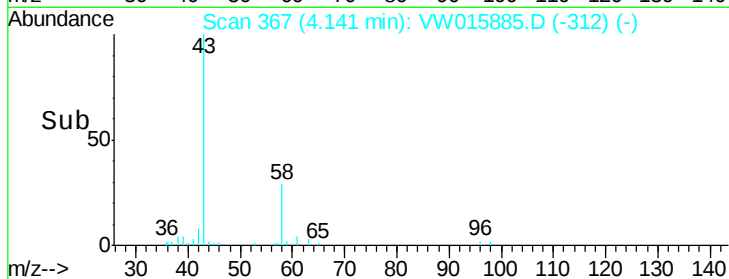
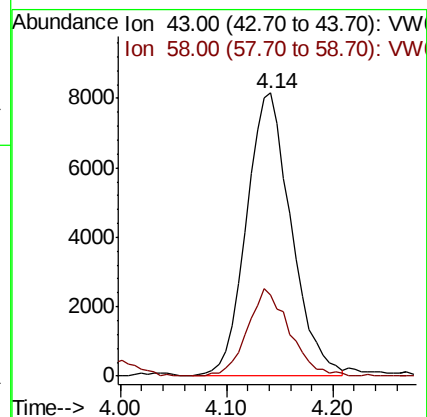
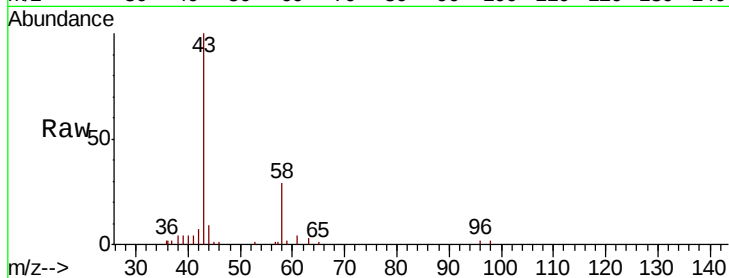
GAXY4MS

Tot Ion: 43 Resp: 24110

Ion Ratio Lower Upper

43 100

58 28.6 0.0 58.2



#34

Benzene

Concen: 21.675 ug/L

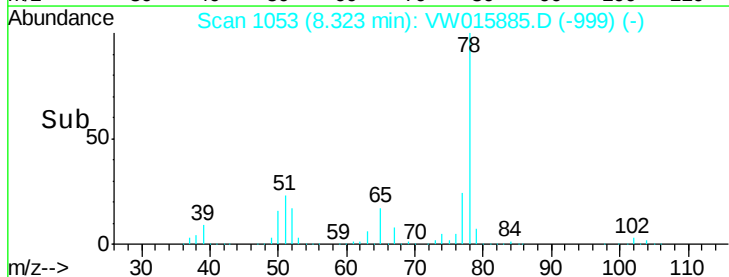
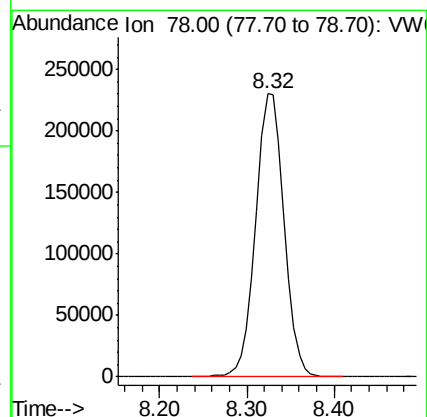
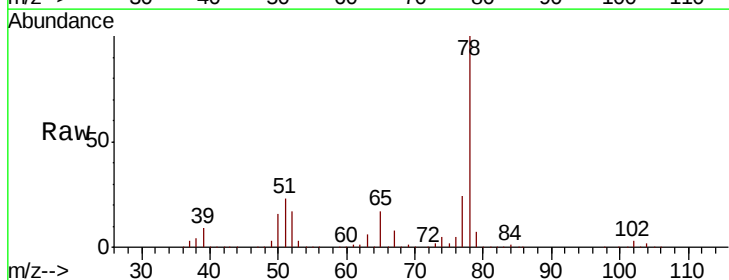
RT: 8.32 min Scan# 1053

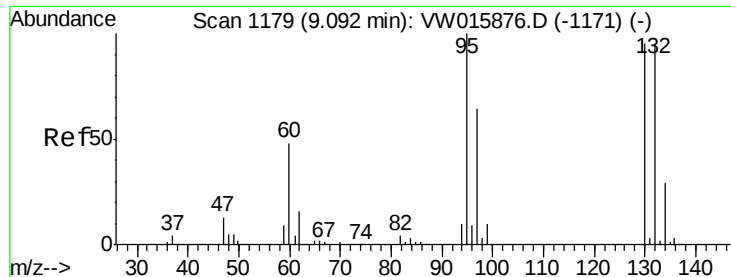
Delta R.T. 0.00 min

Lab File: VW015885.D

Acq: 21 Jul 2020 13:56

Tgt Ion: 78 Resp: 518675





#35

Trichloroethene

Concen: 21.176 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015885.D

Acq: 21 Jul 2020 13:56

Instrument :

MSVOA_W

ClientSampleId :

GAXY4MS

Tot Ion: 95 Resp: 134051

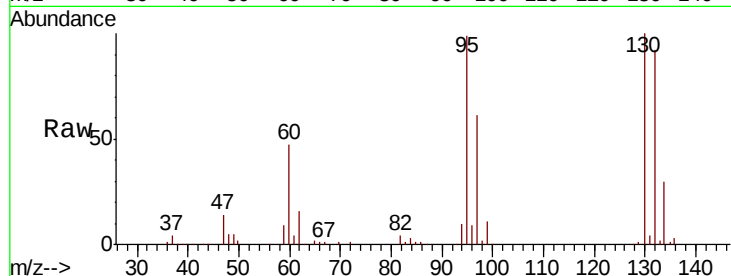
Ion Ratio Lower Upper

95 100

97 63.6 44.4 82.4

132 96.6 65.1 120.9

130 100.3 68.6 127.4



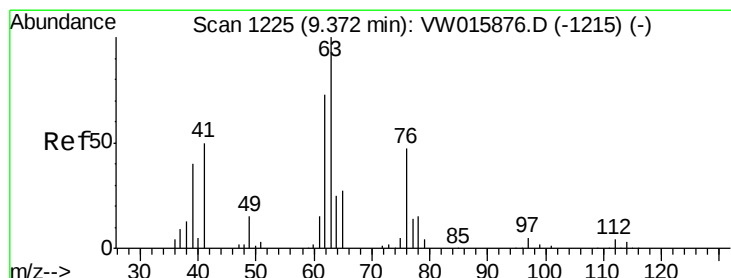
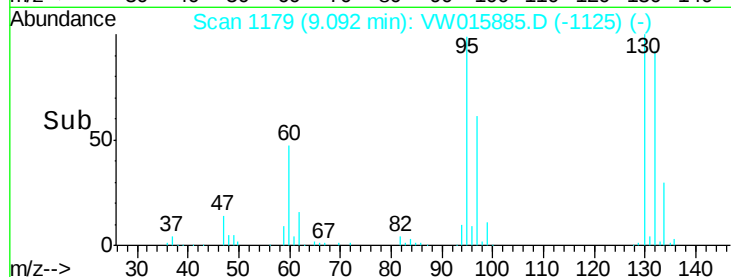
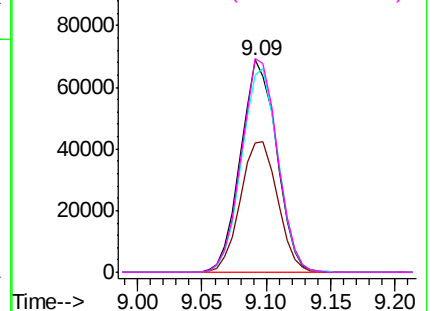
Abundance

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



#40

1,2-Dichloropropane

Concen: 2.815 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.10 min

Lab File: VW015885.D

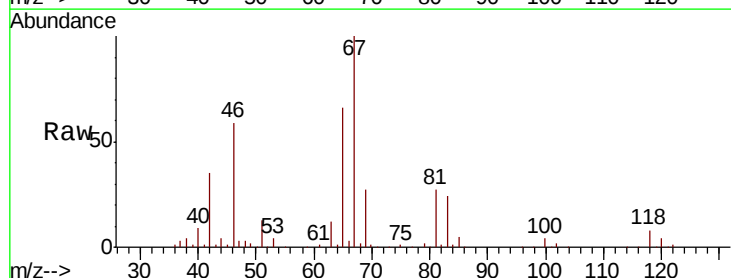
Acq: 21 Jul 2020 13:56

Tgt Ion: 63 Resp: 16686

Ion Ratio Lower Upper

63 100

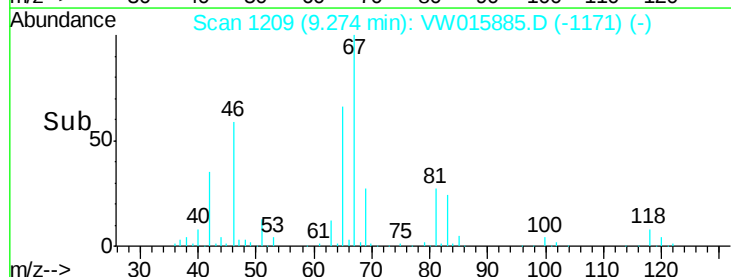
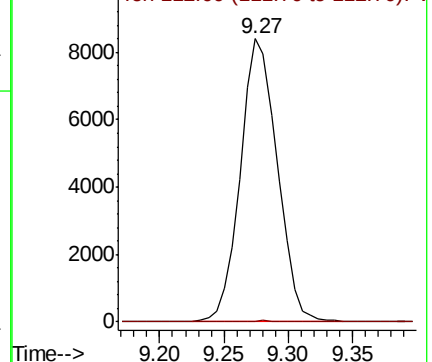
112 0.0 3.7 5.5#

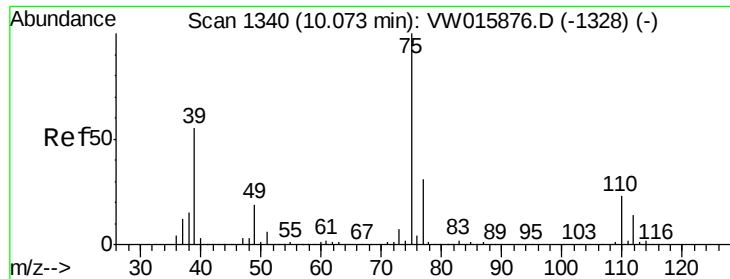


Abundance

Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V

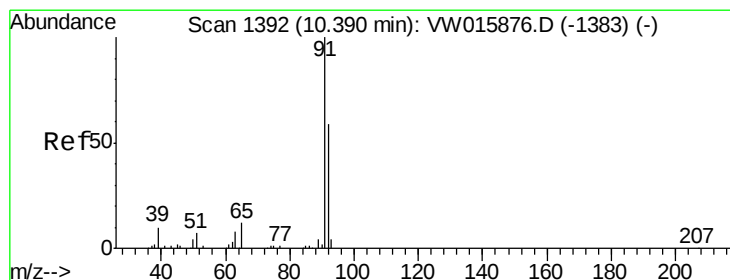
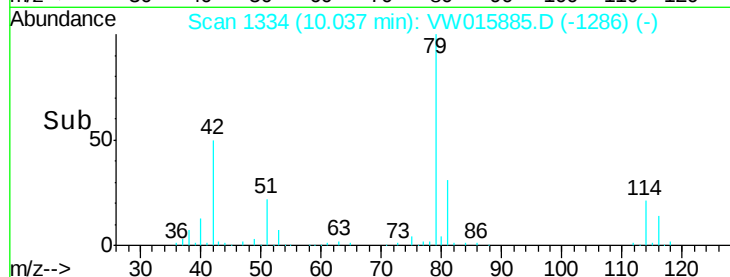
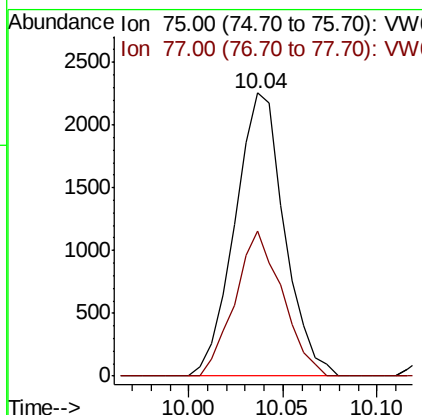
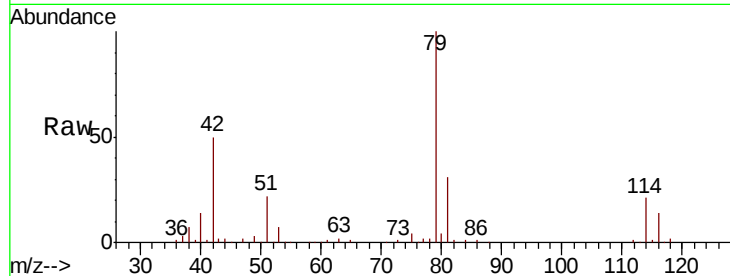




#42
 cis-1,3-Dichloropropene
 Concen: 0.455 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW015885.D
 Acq: 21 Jul 2020 13:56

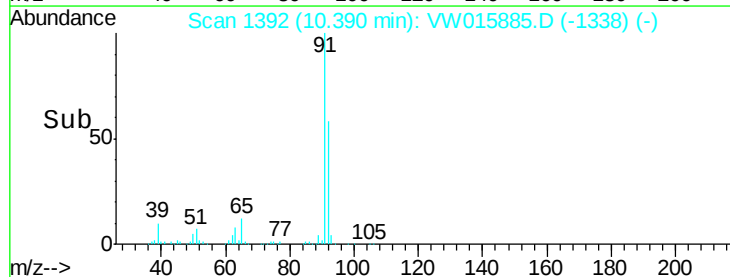
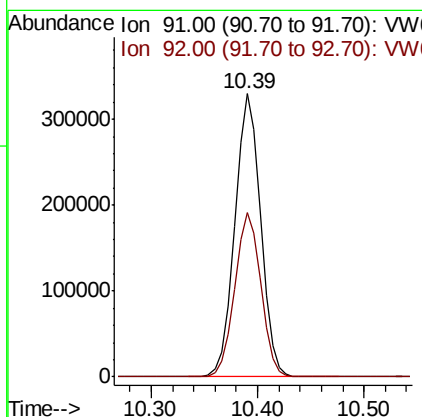
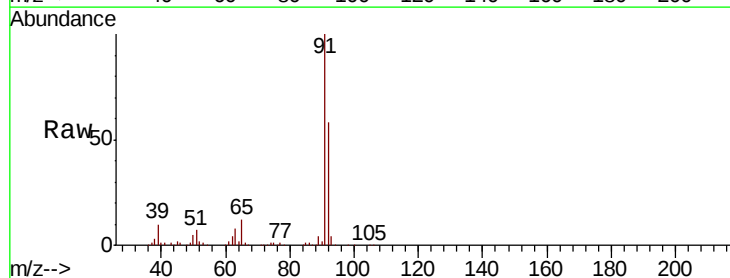
Instrument :
 MSVOA_W
 ClientSampleId :
 GAXY4MS

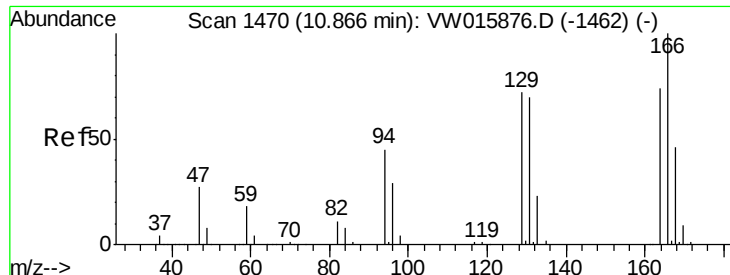
Tot Ion: 75 Resp: 4109
 Ion Ratio Lower Upper
 75 100
 77 51.2 22.2 41.2#



#44
 Toluene
 Concen: 22.334 ug/L
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW015885.D
 Acq: 21 Jul 2020 13:56

Tgt Ion: 91 Resp: 560533
 Ion Ratio Lower Upper
 91 100
 92 57.9 41.2 76.4

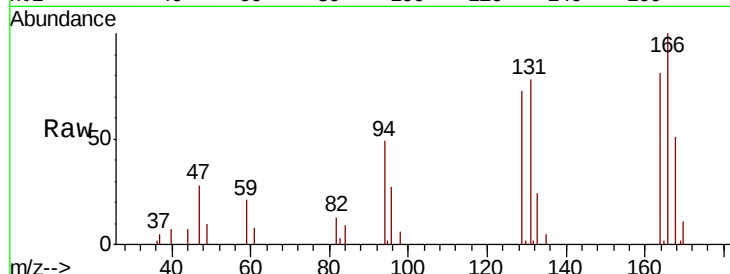




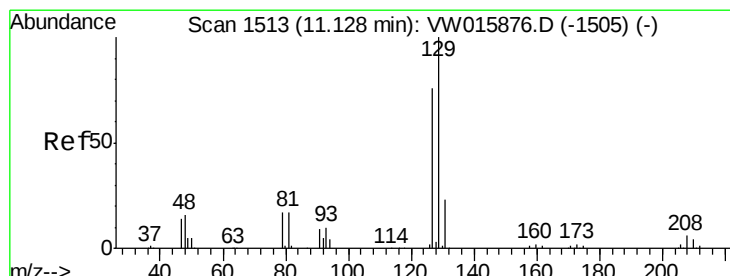
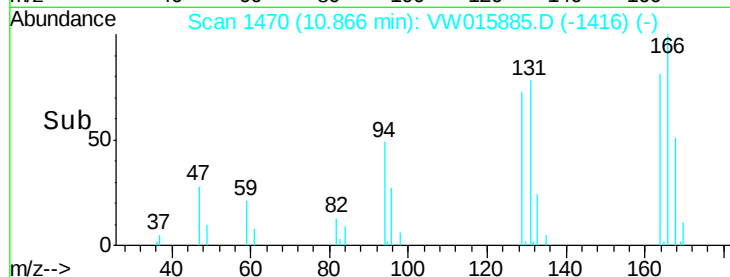
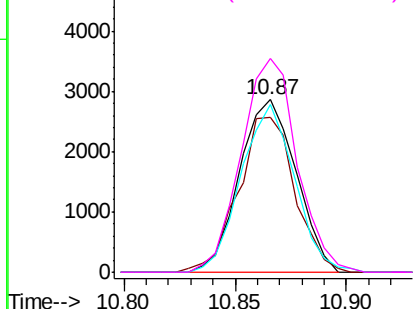
#47
Tetrachloroethene
Concen: 1.032 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW015885.D
Acq: 21 Jul 2020 13:56

Instrument :
MSVOA_W
ClientSampleId :
GAXY4MS

Tot Ion:164 Resp: 5071
Ion Ratio Lower Upper
164 100
129 90.7 70.0 130.0
131 94.8 67.3 124.9
166 120.9 88.5 164.3

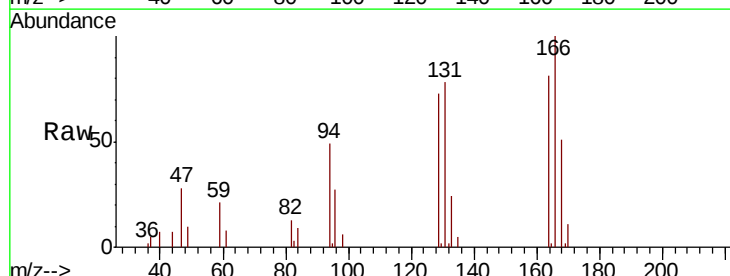


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

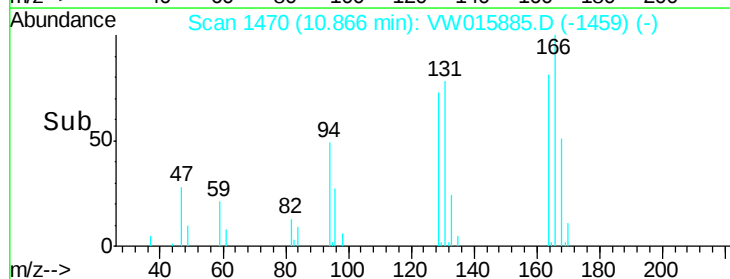
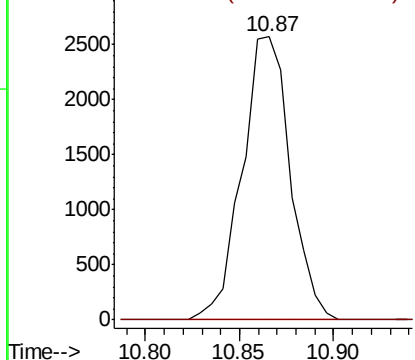


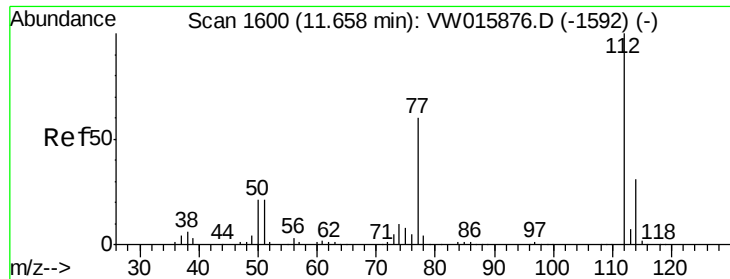
#50
Dibromochloromethane
Concen: 0.923 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.26 min
Lab File: VW015885.D
Acq: 21 Jul 2020 13:56

Tgt Ion:129 Resp: 4556
Ion Ratio Lower Upper
129 100
127 0.0 53.8 100.0#



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#52

Chlorobenzene

Concen: 21.580 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW015885.D

Acq: 21 Jul 2020 13:56

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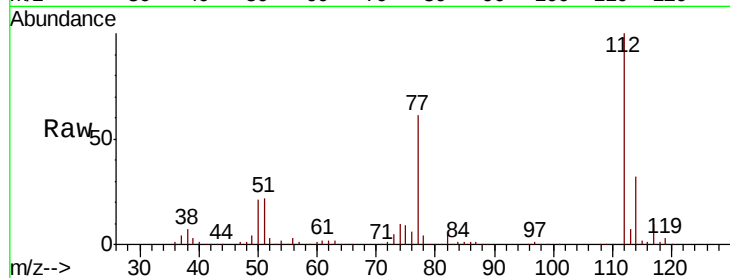
Tot Ion:112 Resp: 347066

Ion Ratio Lower Upper

112 100

77 61.3 47.8 71.6

114 32.0 22.1 41.1



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

