

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071319\
 Data File : VW011239.D
 Acq On : 12 Jul 2019 14:52
 Operator : SY/VA
 Sample : K3760-16MSD
 Misc : 5.55G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DB8Z4

Quant Time: Jul 13 06:50:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 13 05:32:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	296345	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	209677	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	61884	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	79782	17.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.52%
7) Chloroethane-d5	2.88	69	63851	20.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.44%
10) 1,1-Dichloroethene-d2	4.02	63	199587	20.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.32%
20) 2-Butanone-d5	7.07	46	66686	37.41	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.82%
24) Chloroform-d	7.65	84	183916	22.64	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.56%
26) 1,2-Dichloroethane-d4	8.31	65	111923	22.37	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.48%
29) Benzene-d6	8.27	84	363609	28.15	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	112.60%
33) 1,2-Dichloropropane-d6	9.27	67	126622	30.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	120.40%#
37) Toluene-d8	10.32	98	289295	25.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.52%
38) trans-1,3-Dichloropropene-	10.58	79	31579	17.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	70.64%
39) 2-Hexanone-d5	10.92	63	31195	32.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	64.68%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	72301	20.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.12%
61) 1,2-Dichlorobenzene-d4	13.85	152	51493	21.68	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.72%

Target Compounds

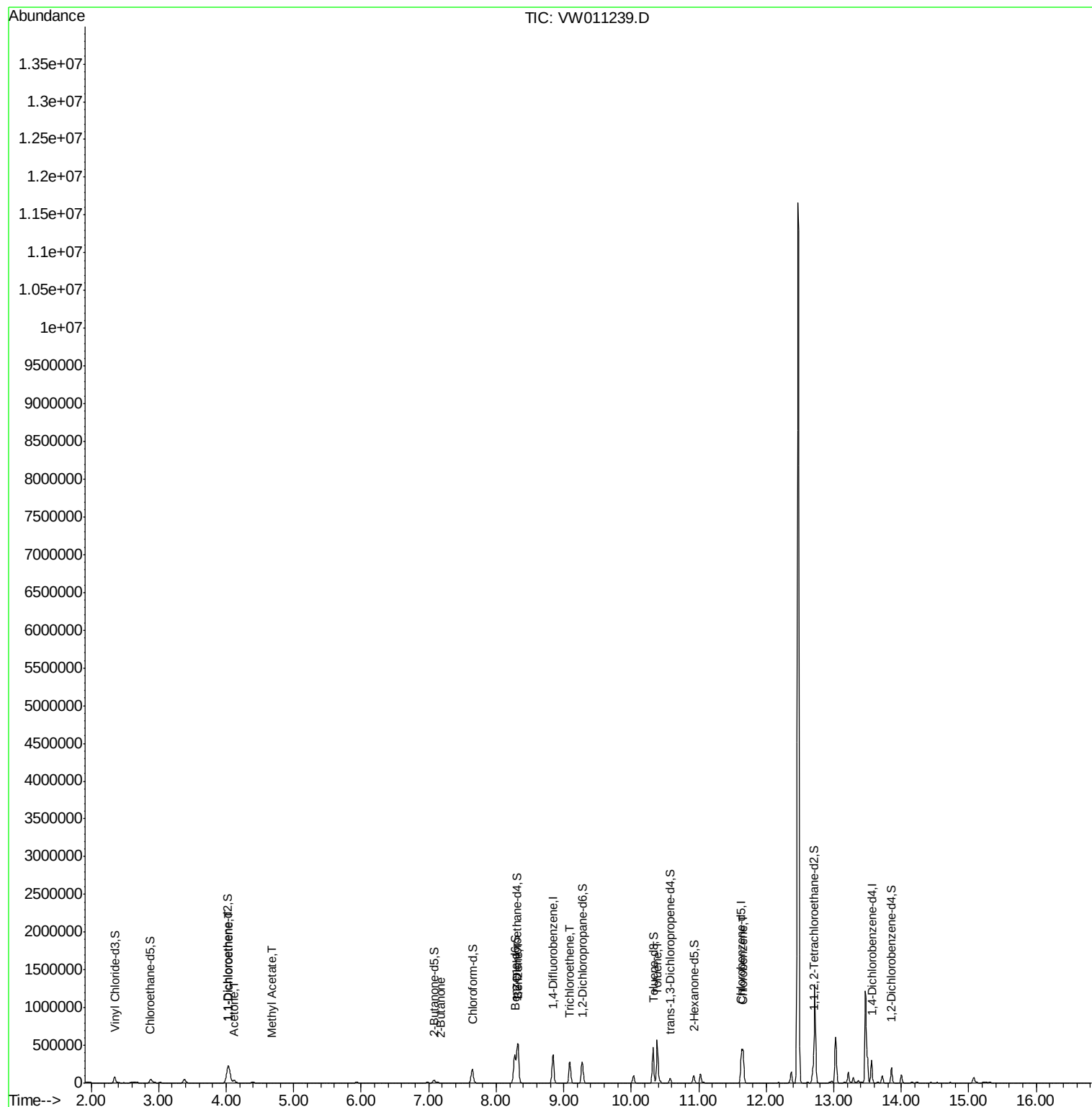
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.04	96	94332	24.222	ug/L	83
13) Acetone	4.12	43	52853	30.357	ug/L	98
15) Methyl Acetate	4.68	43	4320	1.525	ug/L	97
21) 2-Butanone	7.17	43	4019	1.788	ug/L	98
34) Benzene	8.32	78	431149	32.901	ug/L	100
35) Trichloroethene	9.09	95	98017	29.640	ug/L	100
44) Toluene	10.39	91	405443	29.891	ug/L	99
52) Chlorobenzene	11.66	112	200042	24.140	ug/L	99

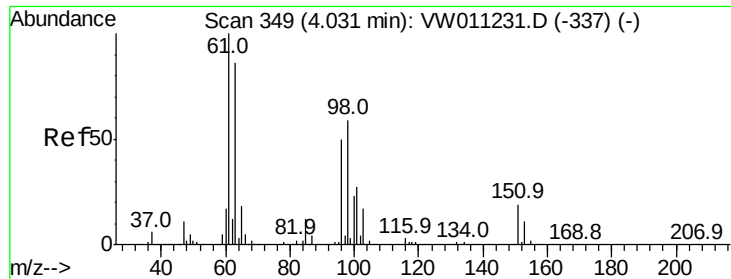
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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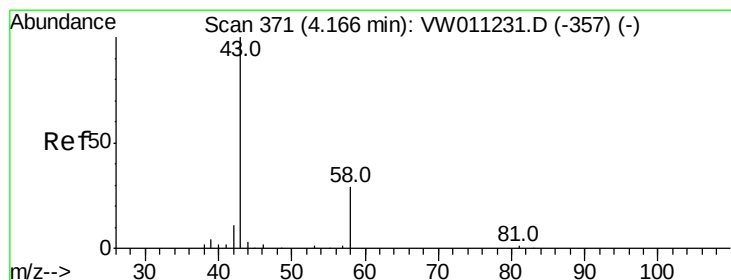
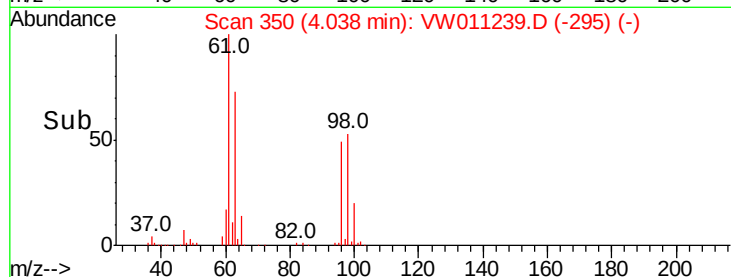
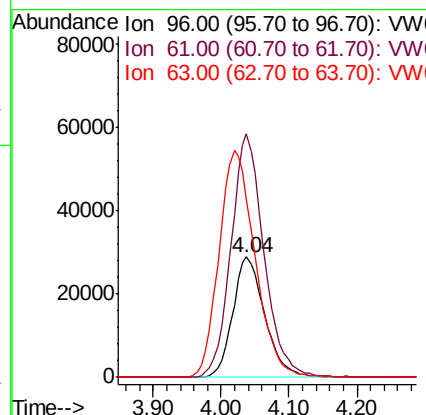
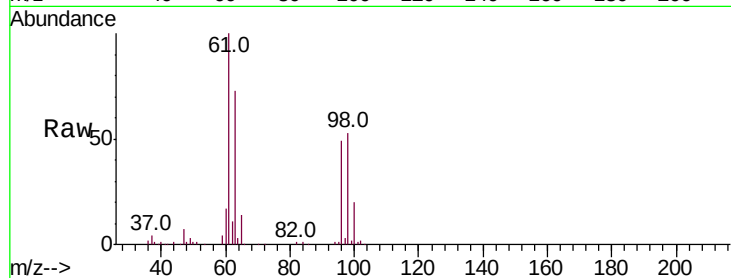




#12
 1,1-Dichloroethene
 Concen: 24.222 ug/L
 RT: 4.04 min Scan# 350
 Delta R.T. 0.01 min
 Lab File: VW011239.D
 Acq: 12 Jul 2019 14:52

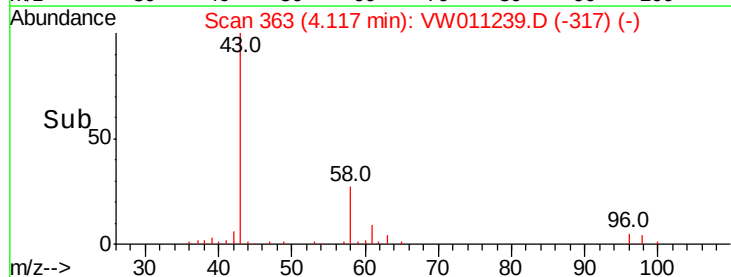
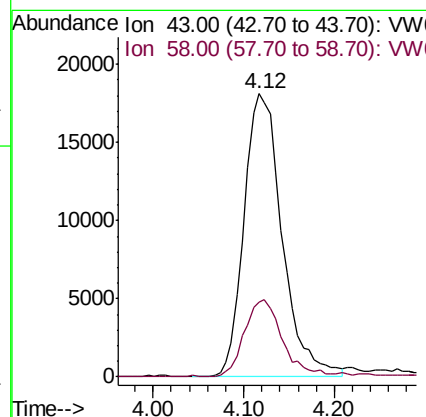
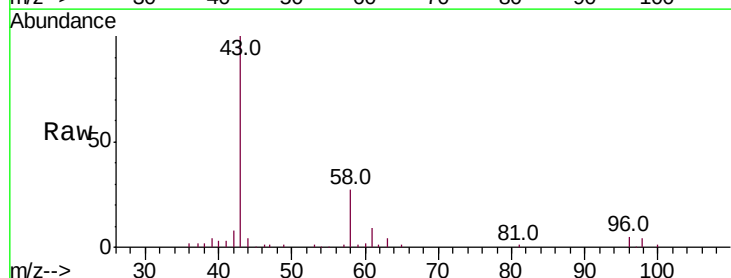
Instrument :
 MSVOA_W
 ClientSampled :
 DB8Z4

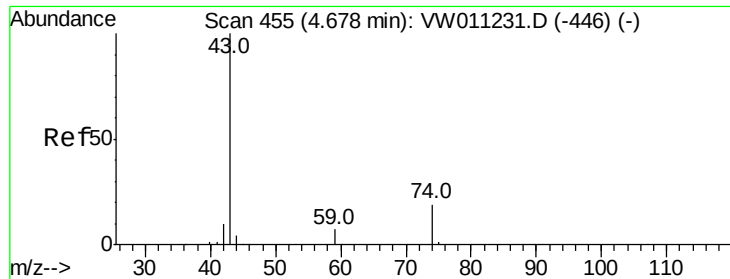
Tot Ion: 96 Resp: 94332
 Ion Ratio Lower Upper
 96 100
 61 202.5 142.2 264.0
 63 148.1 138.9 257.9



#13
 Acetone
 Concen: 30.357 ug/L
 RT: 4.12 min Scan# 363
 Delta R.T. -0.05 min
 Lab File: VW011239.D
 Acq: 12 Jul 2019 14:52

Tgt Ion: 43 Resp: 52853
 Ion Ratio Lower Upper
 43 100
 58 26.7 0.0 55.0

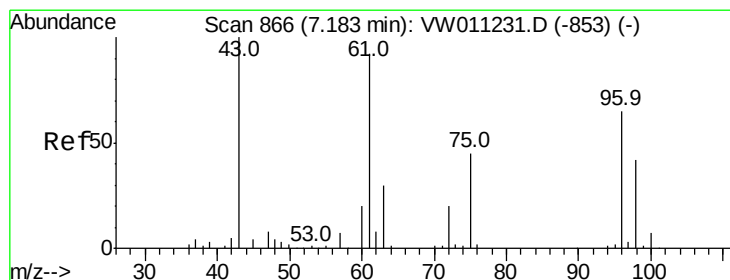
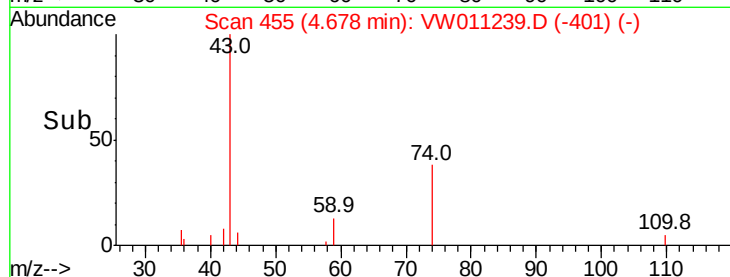
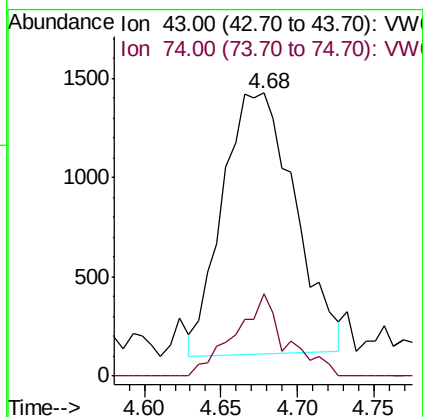
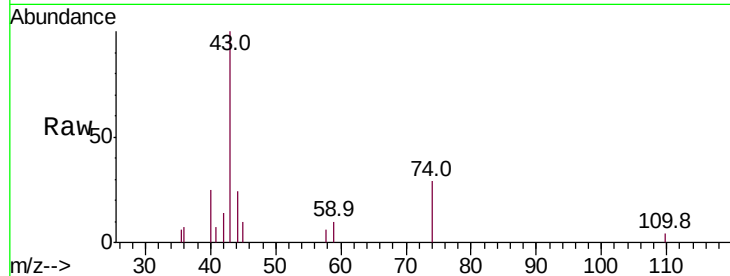




#15
Methvl Acetate
Concen: 1.525 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW011239.D
Acq: 12 Jul 2019 14:52

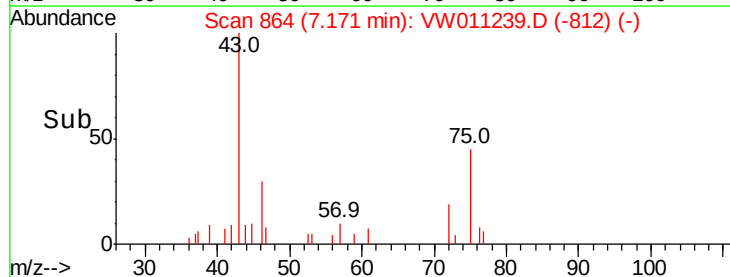
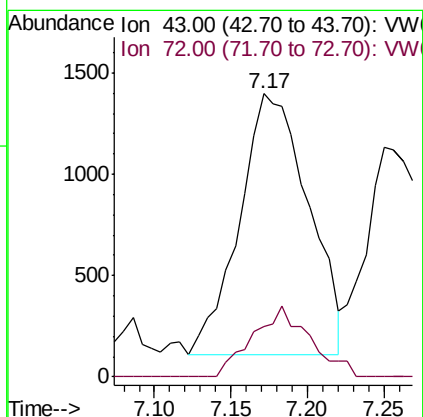
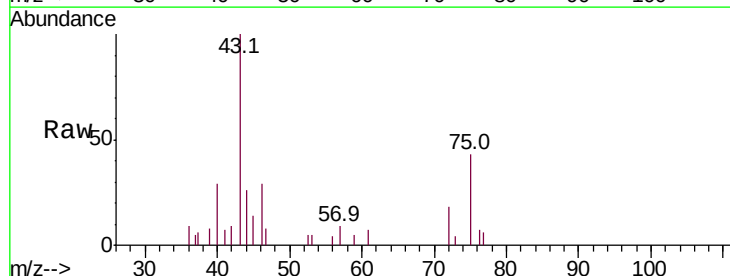
Instrument :
MSVOA_W
ClientSampled :
DB8Z4

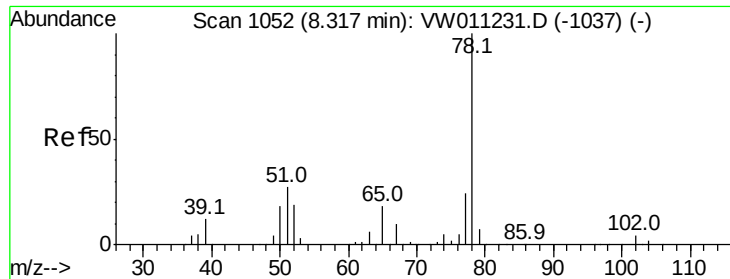
Tot Ion: 43 Resp: 4320
Ion Ratio Lower Upper
43 100
74 17.7 15.1 22.7



#21
2-Butanone
Concen: 1.788 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: VW011239.D
Acq: 12 Jul 2019 14:52

Tgt Ion: 43 Resp: 4019
Ion Ratio Lower Upper
43 100
72 21.7 11.2 33.6





#34

Benzene

Concen: 32.901 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VW011239.D

Acq: 12 Jul 2019 14:52

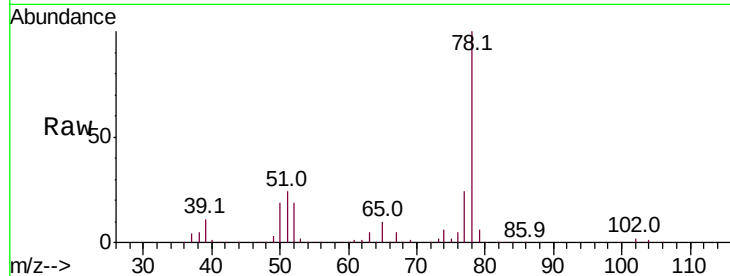
Instrument :

MSVOA_W

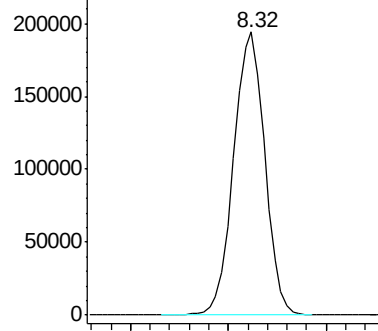
ClientSampled :

DB8Z4

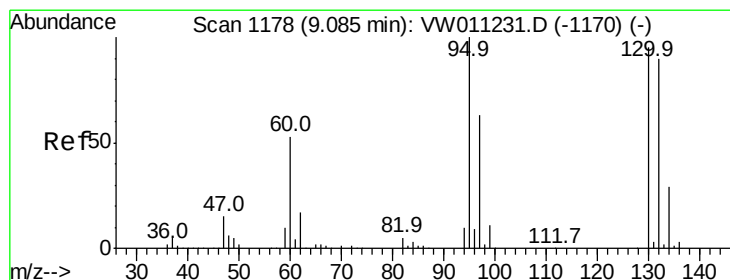
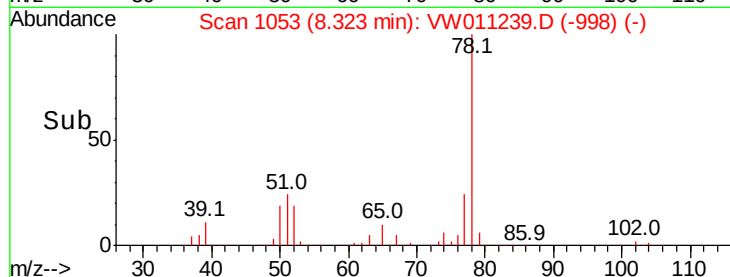
Tgt Ion: 78 Resp: 431149



Abundance Ion 78.00 (77.70 to 78.70): VW



Time-->



#35

Trichloroethene

Concen: 29.640 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW011239.D

Acq: 12 Jul 2019 14:52

Tgt Ion: 95 Resp: 98017

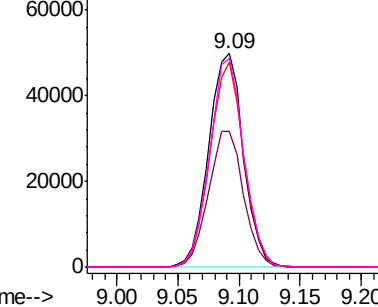
Ion	Ratio	Lower	Upper
95	100		
97	64.2	45.4	84.2
132	93.3	65.0	120.8
130	96.7	67.8	126.0

Abundance Ion 95.00 (94.70 to 95.70): VW

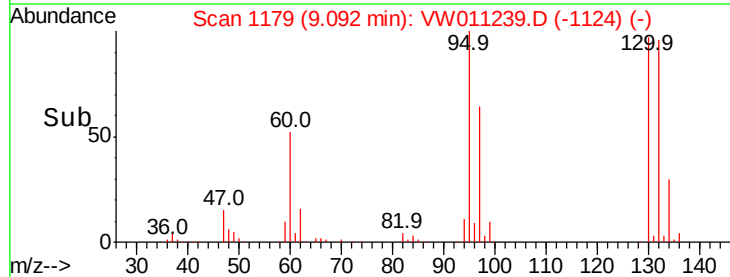
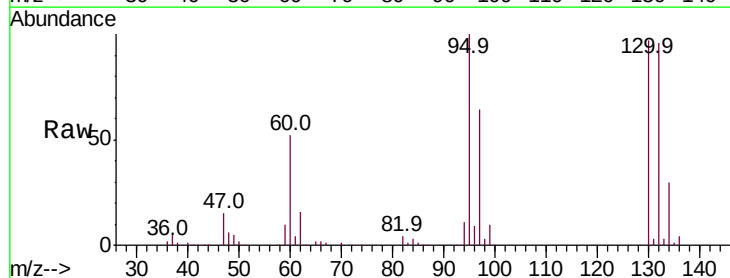
Ion 97.00 (96.70 to 97.70): VW

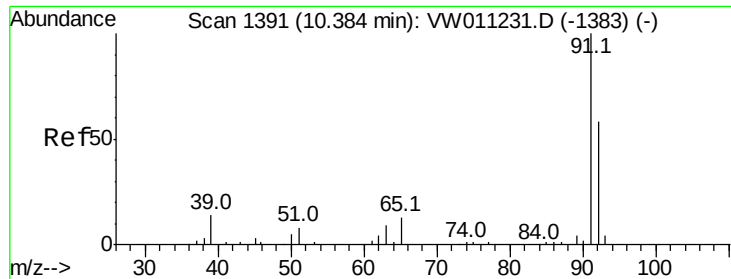
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->





#44

Toluene

Concen: 29.891 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW011239.D

Acq: 12 Jul 2019 14:52

Instrument :

MSVOA_W

ClientSampleId :

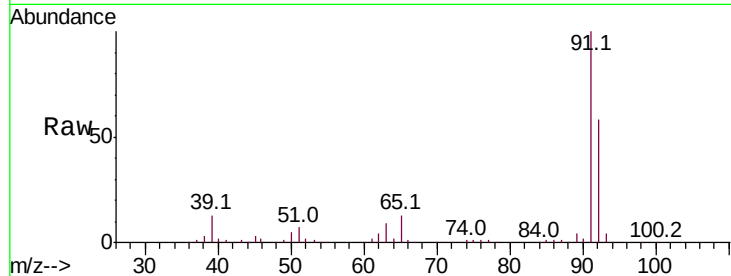
DB8Z4

Tot Ion: 91 Resp: 405443

Ion Ratio Lower Upper

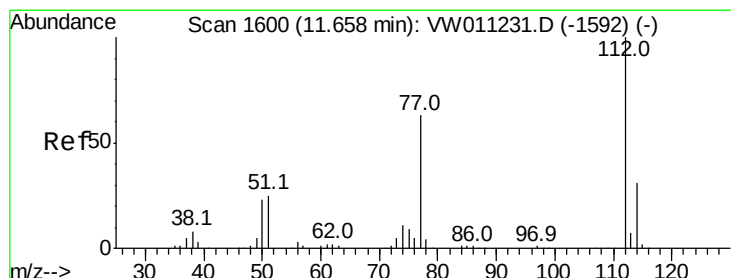
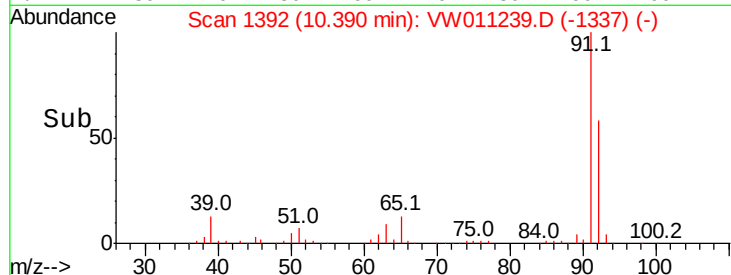
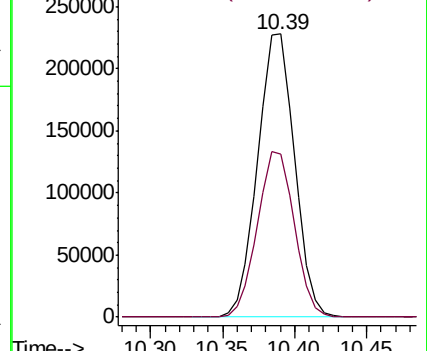
91 100

92 57.8 40.8 75.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#52

Chlorobenzene

Concen: 24.140 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW011239.D

Acq: 12 Jul 2019 14:52

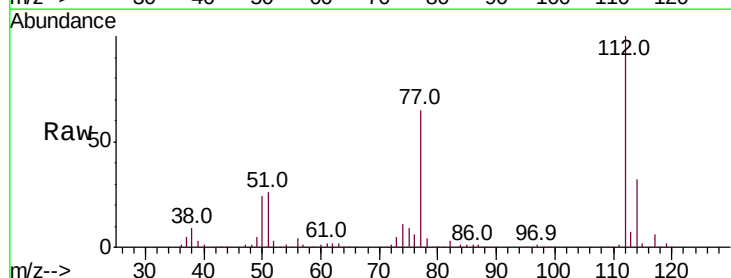
Tgt Ion: 112 Resp: 200042

Ion Ratio Lower Upper

112 100

77 64.5 51.2 76.8

114 31.9 22.0 40.8



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

