

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082818\
 Data File : VW004993.D
 Acq On : 28 Aug 2018 18:33
 Operator : SY/AP
 Sample : J4678-03MS
 Misc : 5.58G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 E5FC3MS

Quant Time: Aug 29 05:47:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082218S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 29 04:23:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	503748	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	552344	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	253419	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	181164	19.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.12%
7) Chloroethane-d5	2.89	69	142287	20.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.64%
10) 1,1-Dichloroethene-d2	4.02	63	258282	21.24	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.96%
20) 2-Butanone-d5	7.09	46	107500	55.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.94%
24) Chloroform-d	7.65	84	234208	20.94	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.76%
26) 1,2-Dichloroethane-d4	8.31	65	149418	24.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.36%
29) Benzene-d6	8.28	84	557942	19.64	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	78.56%
33) 1,2-Dichloropropane-d6	9.28	67	172284	20.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	82.56%
37) Toluene-d8	10.33	98	574418	19.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	76.36%
38) trans-1,3-Dichloropropene-	10.59	79	72168	20.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.36%
39) 2-Hexanone-d5	10.93	63	105015	50.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.56%
48) 1,1,1,2,2-Tetrachloroethane-	12.70	84	202462	24.14	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.56%
61) 1,2-Dichlorobenzene-d4	13.86	152	234811	23.07	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.28%

Target Compounds

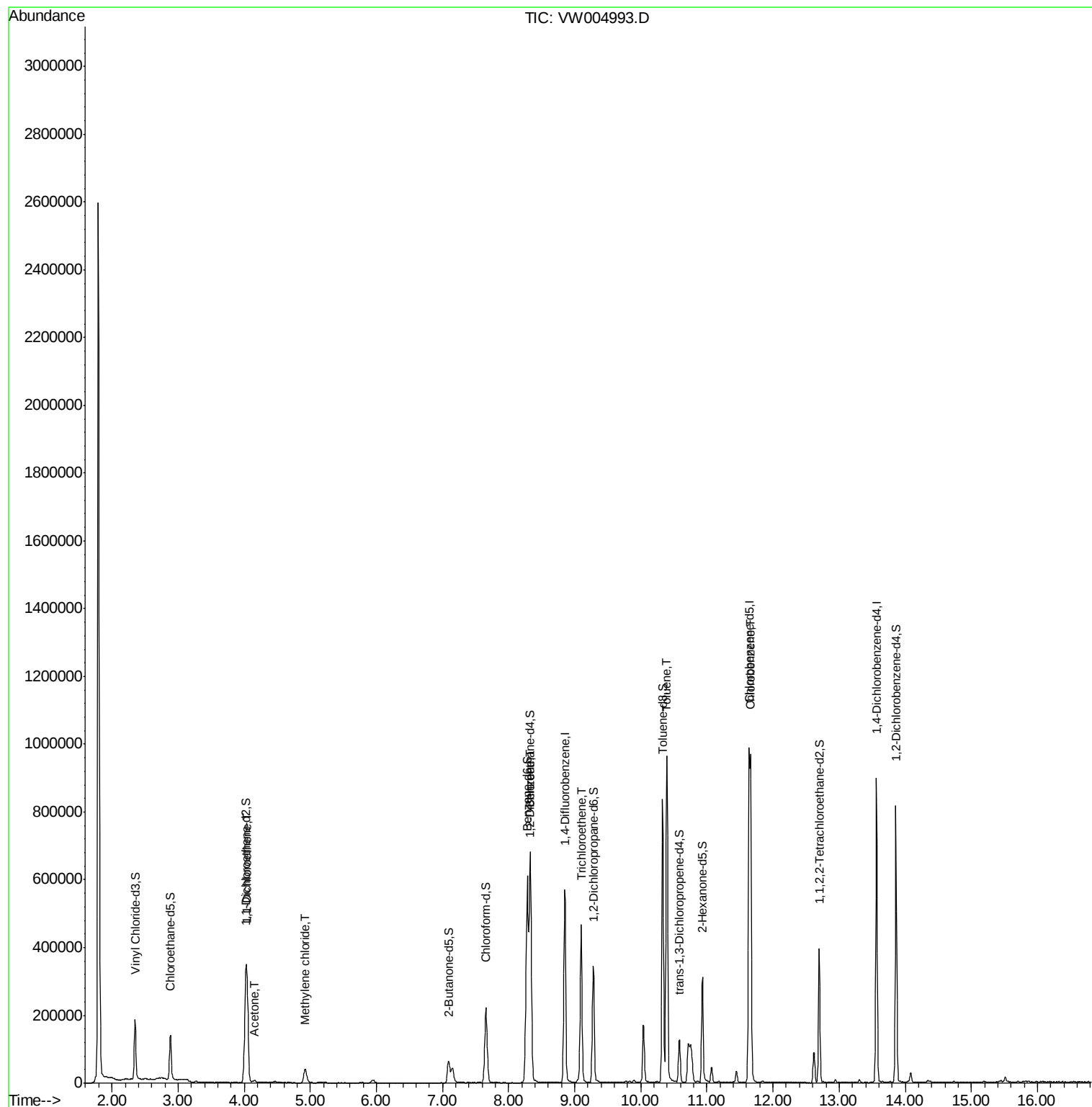
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.04	96	136515	23.28	ug/L	94
13) Acetone	4.15	43	6291	4.19	ug/L	84
16) Methylene chloride	4.92	84	32756	3.35	ug/L	96
34) Benzene	8.33	78	619425	19.67	ug/L	100
35) Trichloroethene	9.10	95	167392	21.38	ug/L	99
44) Toluene	10.40	91	762544	20.16	ug/L	99
52) Chlorobenzene	11.66	112	494033	19.66	ug/L	99

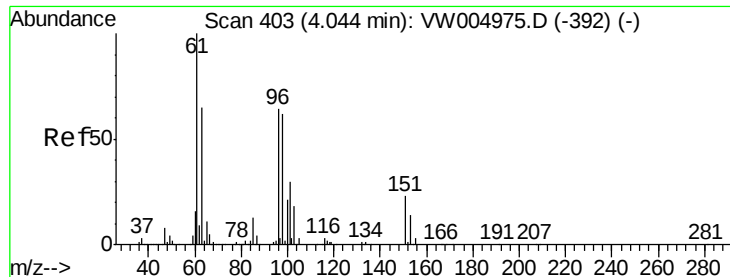
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 23.28 ug/L

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW004993.D

Acq: 28 Aug 2018 18:33

Instrument :

MSVOA_W

ClientSampleId :

E5FC3MS

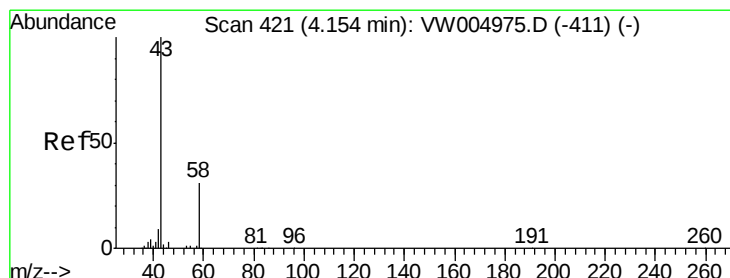
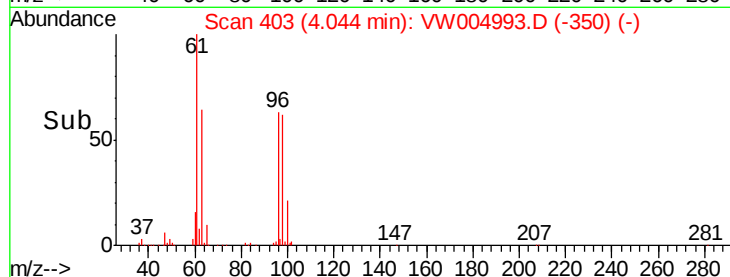
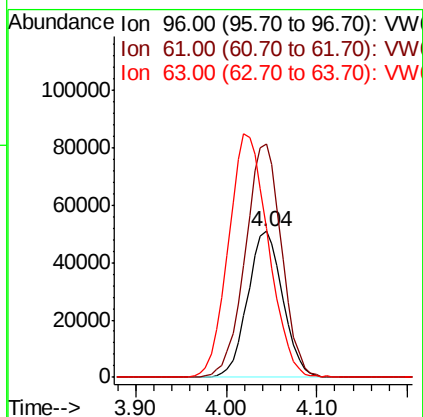
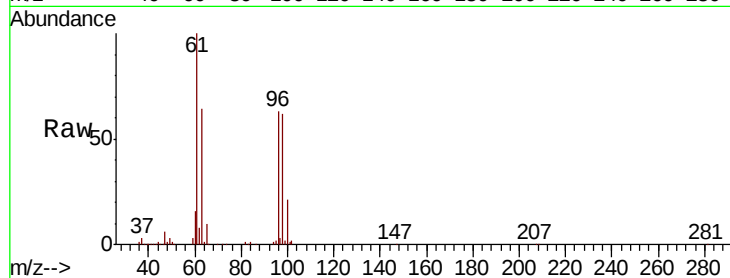
Tot Ion: 96 Resp: 136515

Ion Ratio Lower Upper

96 100

61 159.4 107.0 198.8

63 101.7 76.9 142.7



#13

Acetone

Concen: 4.19 ug/L

RT: 4.15 min Scan# 420

Delta R.T. 0.01 min

Lab File: VW004993.D

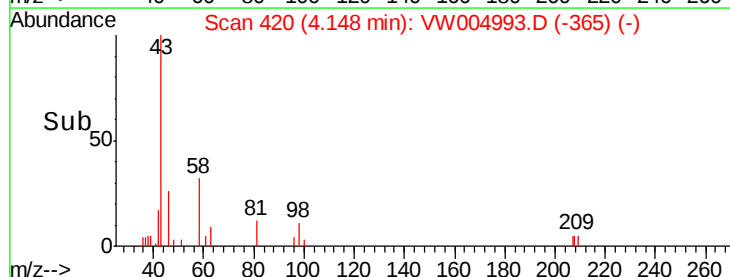
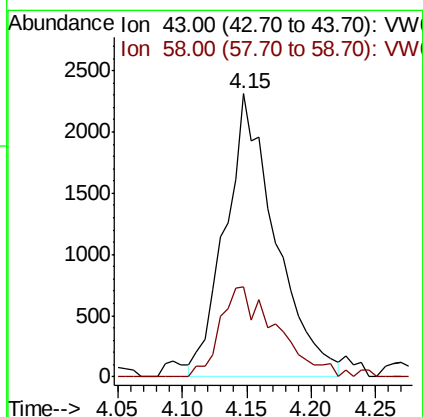
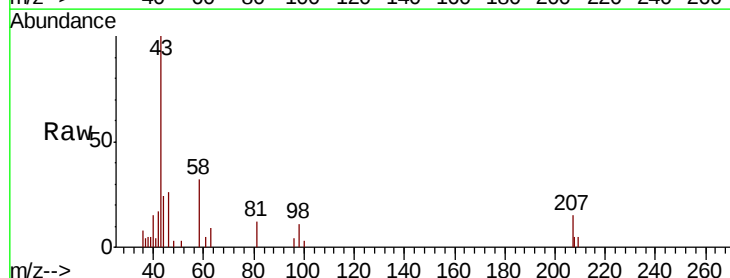
Acq: 28 Aug 2018 18:33

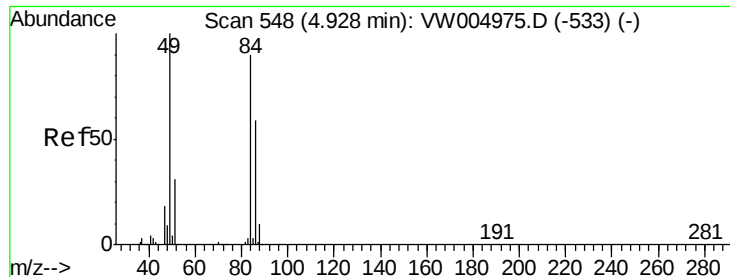
Tgt Ion: 43 Resp: 6291

Ion Ratio Lower Upper

43 100

58 25.4 0.0 69.4

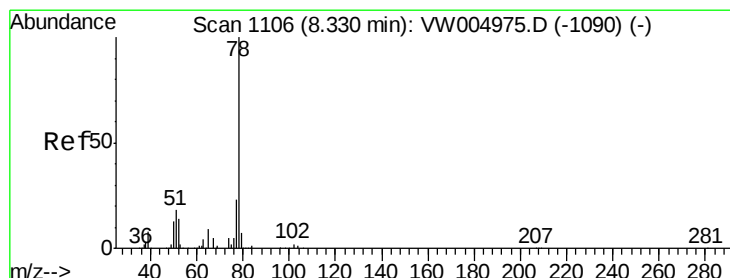
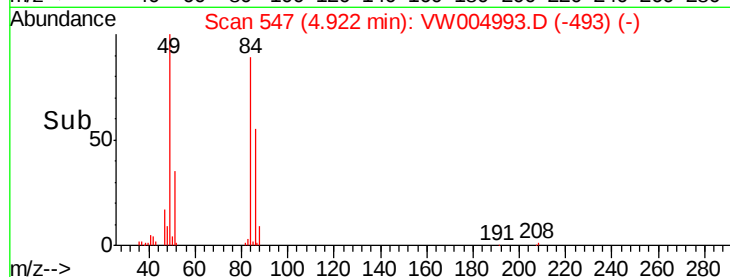
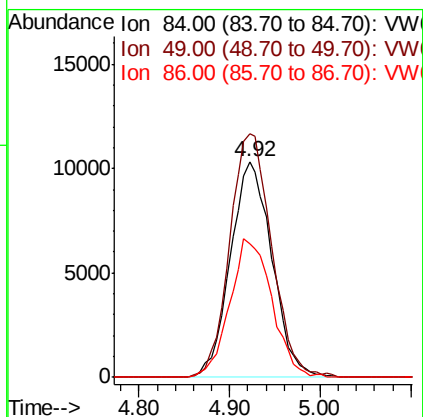
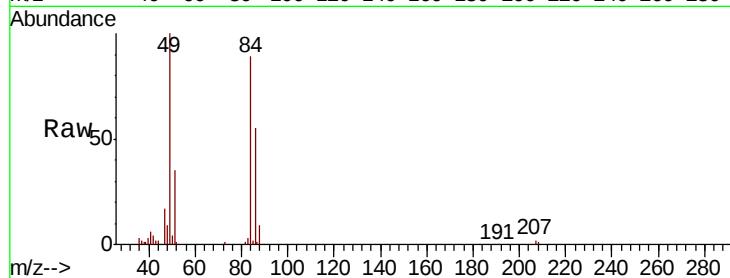




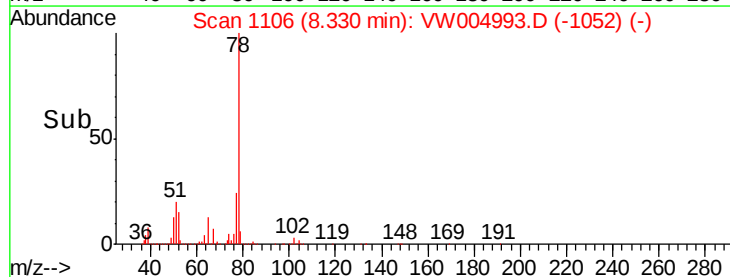
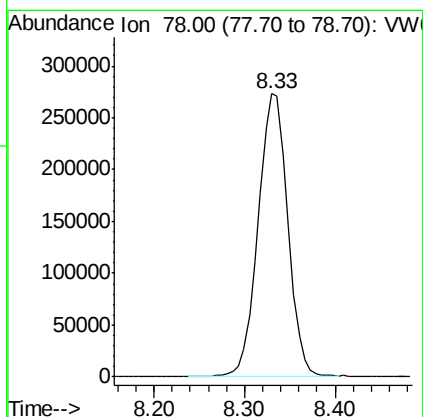
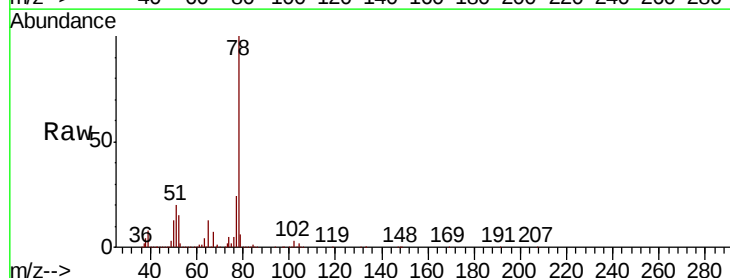
#16
Methvlene chloride
Concen: 3.35 ug/L
RT: 4.92 min Scan# 547
Delta R.T. 0.00 min
Lab File: VW004993.D
Acq: 28 Aug 2018 18:33

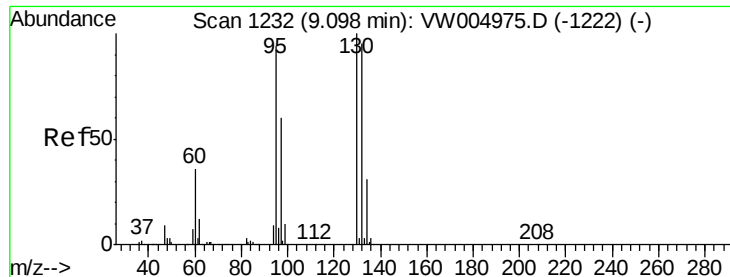
Instrument :
MSVOA_W
ClientSampleId :
E5FC3MS

Tot Ion: 84 Resp: 32756
Ion Ratio Lower Upper
84 100
49 112.9 83.8 155.6
86 61.7 42.6 79.0



#34
Benzene
Concen: 19.67 ug/L
RT: 8.33 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VW004993.D
Acq: 28 Aug 2018 18:33
Tgt Ion: 78 Resp: 619425





#35

Trichloroethene

Concen: 21.38 ug/L

RT: 9.10 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VW004993.D

Acq: 28 Aug 2018 18:33

Instrument :

MSVOA_W

ClientSampleId :

E5FC3MS

Tot Ion: 95 Resp: 167392

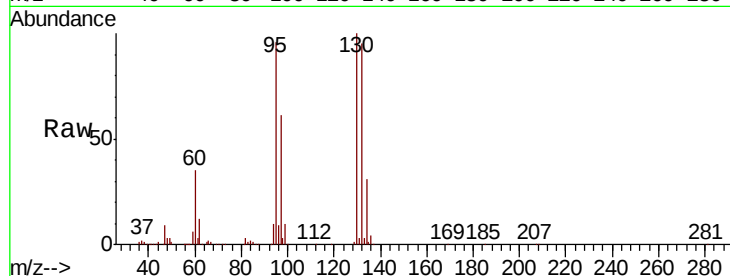
Ion Ratio Lower Upper

95 100

97 64.4 45.9 85.3

132 100.8 69.2 128.4

130 103.8 72.7 135.1

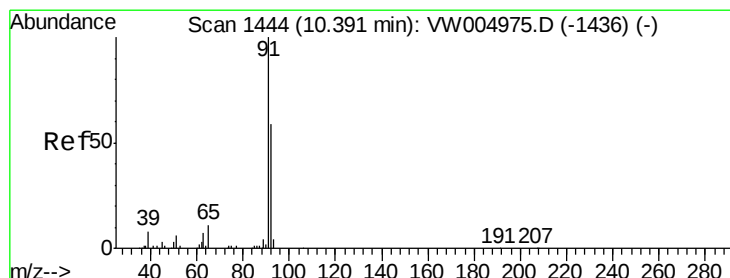
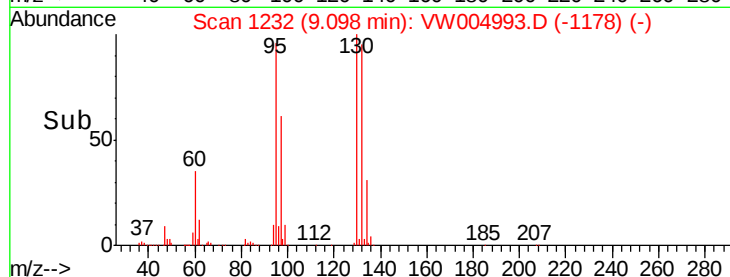
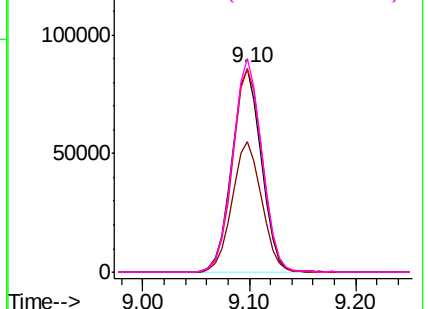


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#44

Toluene

Concen: 20.16 ug/L

RT: 10.40 min Scan# 1445

Delta R.T. 0.00 min

Lab File: VW004993.D

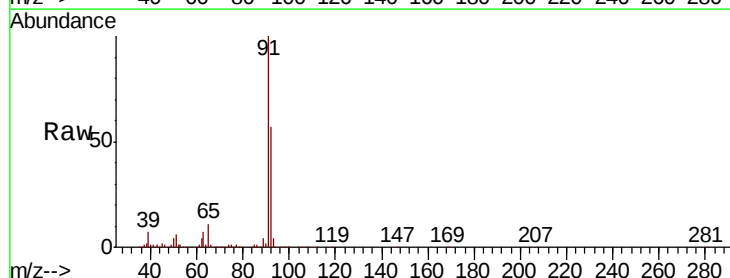
Acq: 28 Aug 2018 18:33

Tgt Ion: 91 Resp: 762544

Ion Ratio Lower Upper

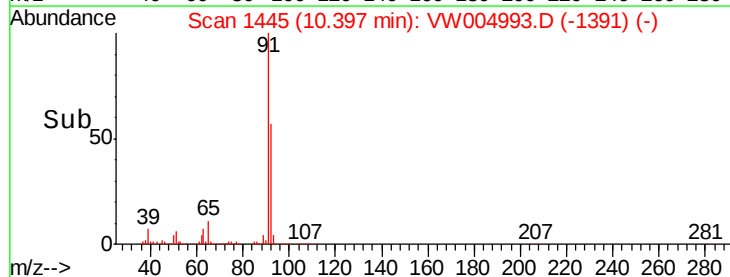
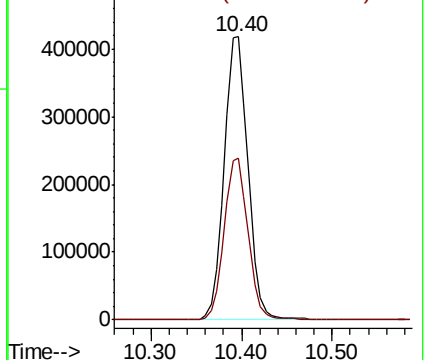
91 100

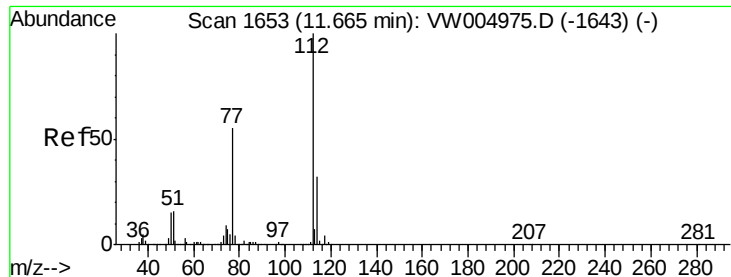
92 57.0 40.6 75.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW





#52

Chlorobenzene

Concen: 19.66 ug/L

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW004993.D

Acq: 28 Aug 2018 18:33

Instrument :

MSVOA_W

ClientSampleId :

E5FC3MS

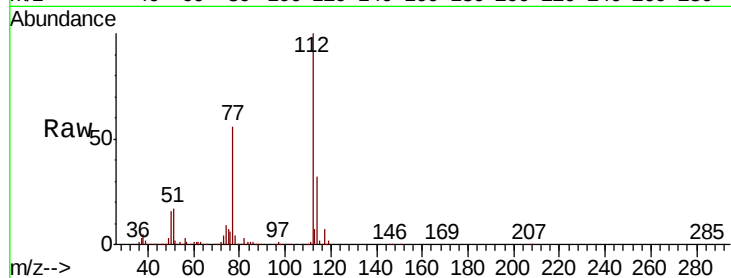
Tot Ion:112 Resp: 494033

Ion Ratio Lower Upper

112 100

77 56.1 45.8 68.8

114 32.0 22.5 41.7



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

