

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082418\
 Data File : VW004955.D
 Acq On : 24 Aug 2018 23:59
 Operator : SY/AP
 Sample : J4634-05MSD
 Misc : 5.31G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DB3H6MSD

Quant Time: Aug 25 01:35:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082218S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 25 01:34:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	526097	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	523672	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	184138	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	228206	22.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.80%
7) Chloroethane-d5	2.89	69	182634	24.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.08%
10) 1,1-Dichloroethene-d2	4.03	63	288009	22.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.72%
20) 2-Butanone-d5	7.09	46	62729	31.00	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	62.00%
24) Chloroform-d	7.75	84	126	0.01	ug/L	0.10
Spiked Amount	25.000	Range	40 - 150	Recovery	=	0.04%#
26) 1,2-Dichloroethane-d4	8.31	65	166810	26.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.12%
29) Benzene-d6	8.28	84	632871	23.49	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.96%
33) 1,2-Dichloropropane-d6	9.28	67	198112	25.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.12%
37) Toluene-d8	10.33	98	644302	22.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.32%
38) trans-1,3-Dichloropropene-	10.59	79	66230	19.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	77.80%
39) 2-Hexanone-d5	10.93	63	58420	29.79	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	59.58%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	175590	22.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.32%
61) 1,2-Dichlorobenzene-d4	13.86	152	186114	25.16	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.64%

Target Compounds

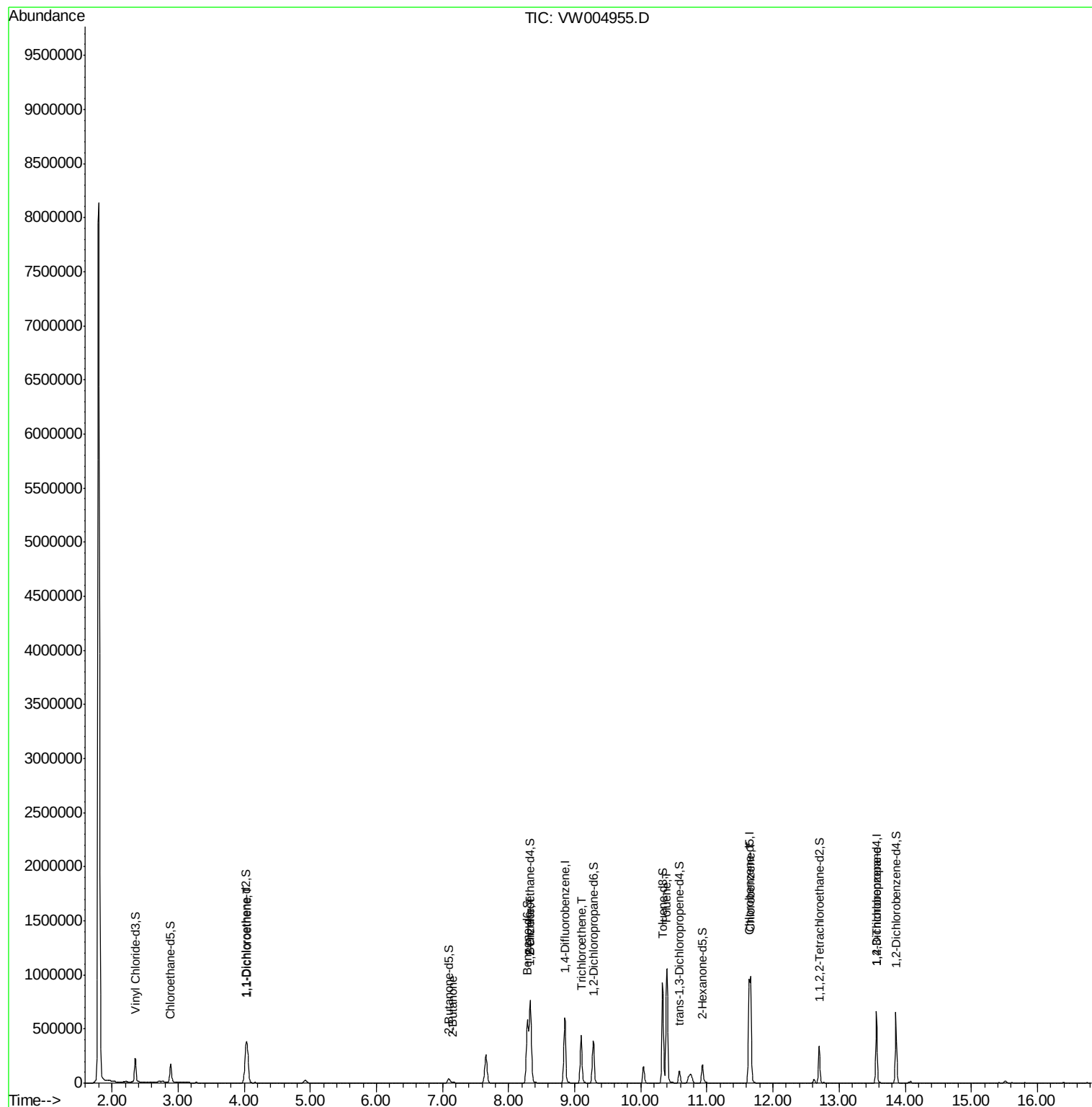
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	4.04	96	143938	23.500	ug/L	93
21) 2-Butanone	7.15	43	11696	4.845	ug/L #	46
34) Benzene	8.33	78	695933	23.307	ug/L	100
35) Trichloroethene	9.10	95	158755	21.382	ug/L	99
44) Toluene	10.40	91	827515	23.078	ug/L	99
52) Chlorobenzene	11.66	112	509604	21.394	ug/L	99
59) 1,2,3-Trichloropropane	13.56	75	19898	3.160	ug/L	90

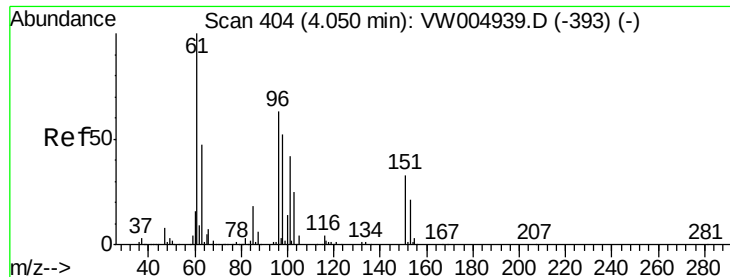
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 23.500 ug/L

RT: 4.04 min Scan# 403

Delta R.T. 0.00 min

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Instrument :

MSVOA_W

ClientSampleId :

DB3H6MSD

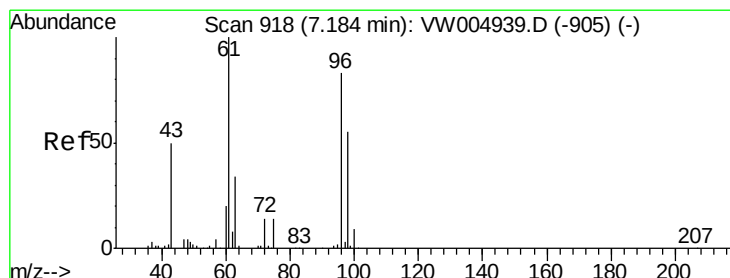
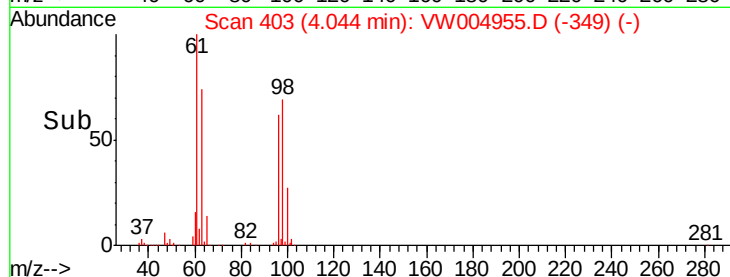
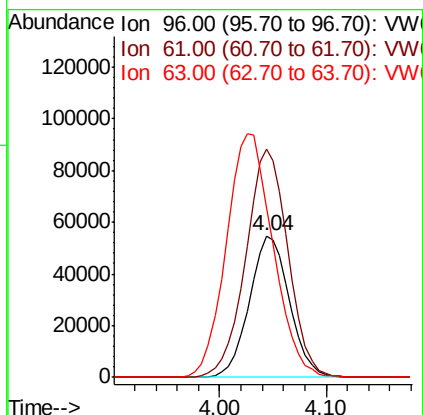
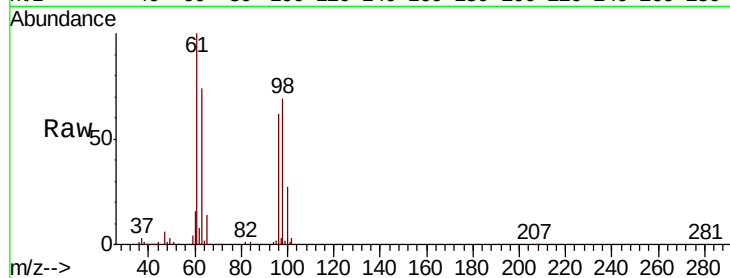
Tgt Ion: 96 Resp: 143938

Ion Ratio Lower Upper

96 100

61 160.8 107.0 198.8

63 119.3 76.9 142.7



#21

2-Butanone

Concen: 4.845 ug/L

RT: 7.15 min Scan# 913

Delta R.T. -0.03 min

Lab File: VW004955.D

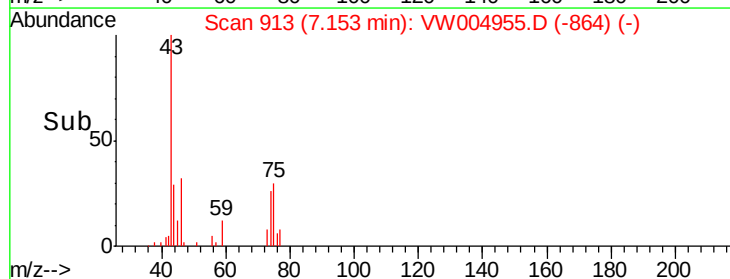
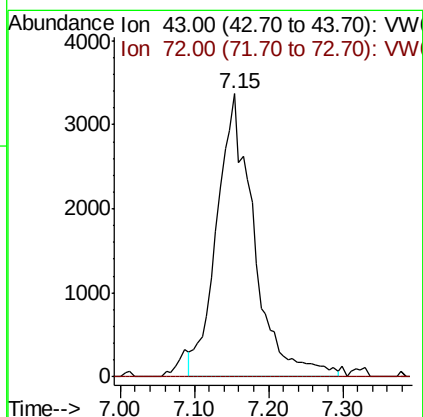
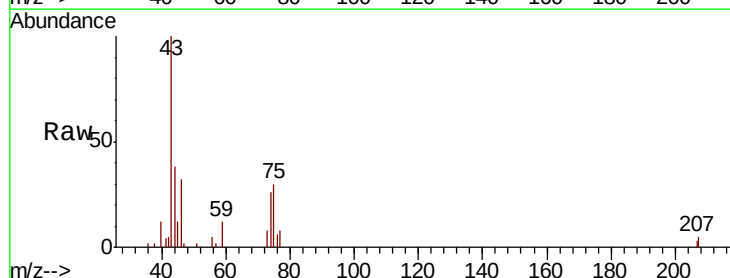
Acq: 24 Aug 2018 23:59

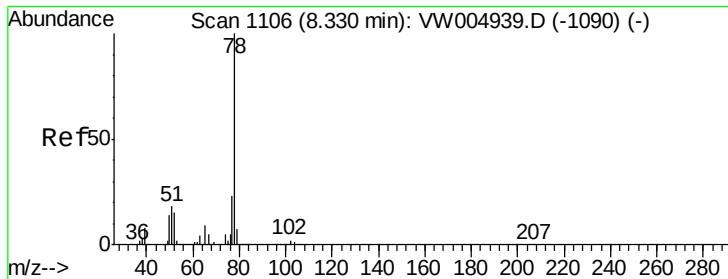
Tgt Ion: 43 Resp: 11696

Ion Ratio Lower Upper

43 100

72 0.0 14.2 42.8#





#34

Benzene

Concen: 23.307 ug/L

RT: 8.33 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VW004955.D

Acq: 24 Aug 2018 23:59

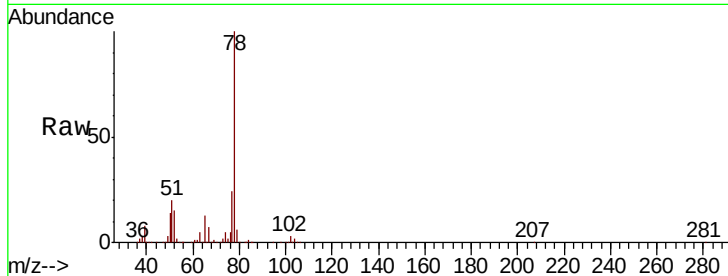
Instrument :

MSVOA_W

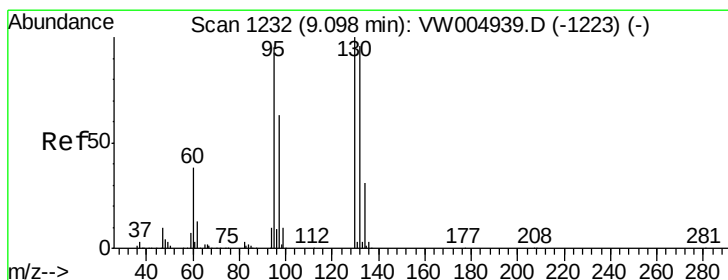
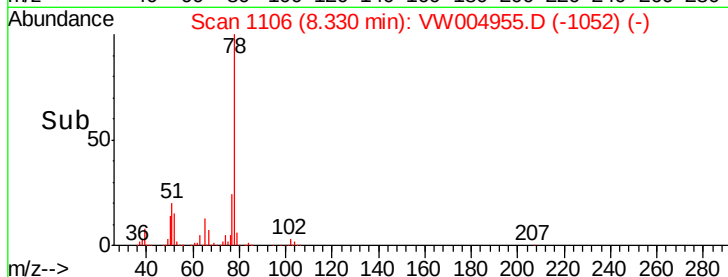
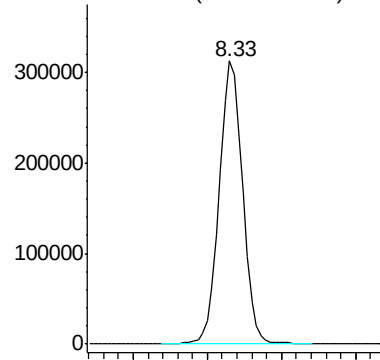
ClientSampleId :

DB3H6MSD

Tgt Ion: 78 Resp: 695933



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 21.382 ug/L

RT: 9.10 min Scan# 1232

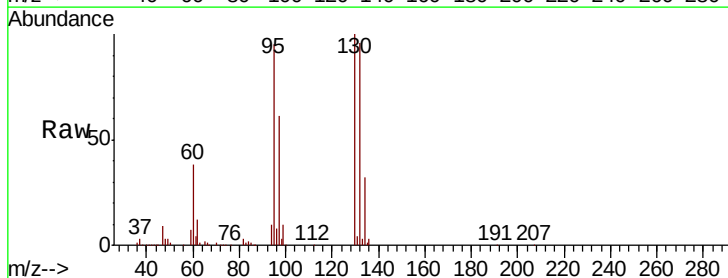
Delta R.T. 0.00 min

Lab File: VW004955.D

Acq: 24 Aug 2018 23:59

Tgt Ion: 95 Resp: 158755

Ion	Ratio	Lower	Upper
95	100		
97	65.1	45.9	85.3
132	100.9	69.2	128.4
130	105.3	72.7	135.1

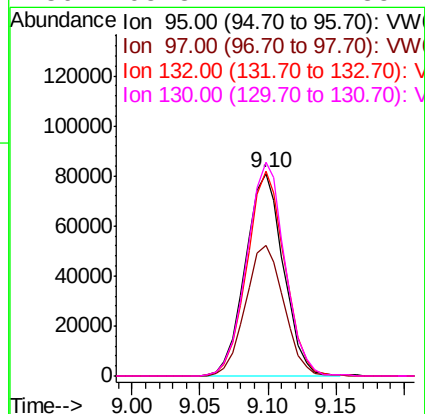
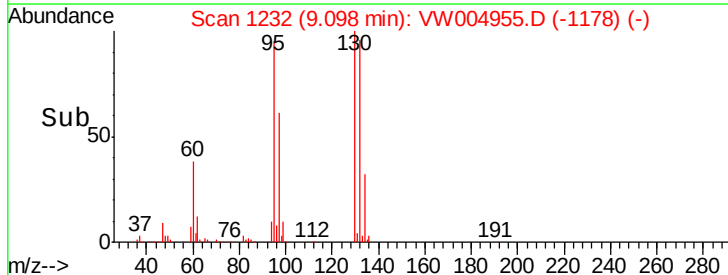


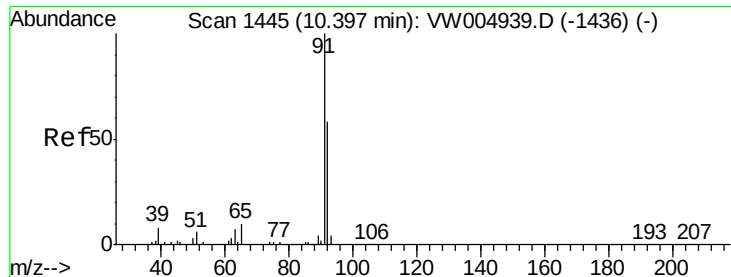
Abundance Ion 95.00 (94.70 to 95.70): VW

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: 23.078 ug/L

RT: 10.40 min Scan# 1445

Delta R.T. 0.00 min

Lab File: VW004955.D

Acq: 24 Aug 2018 23:59

Instrument :

MSVOA_W

ClientSampleId :

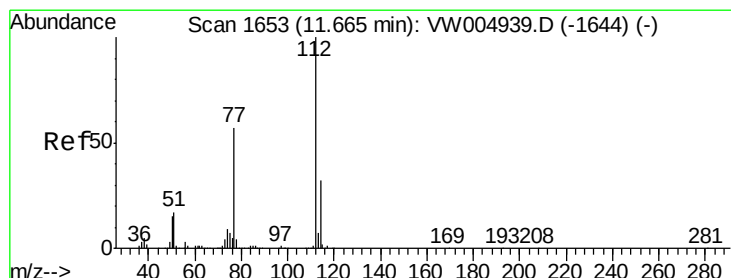
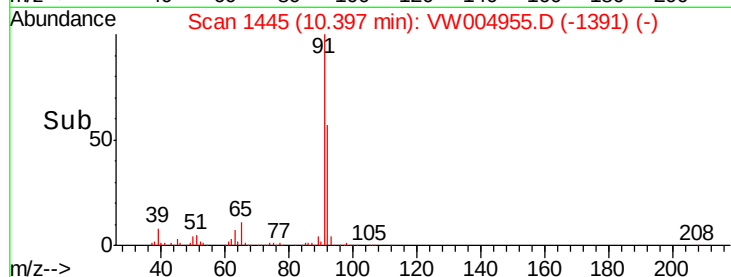
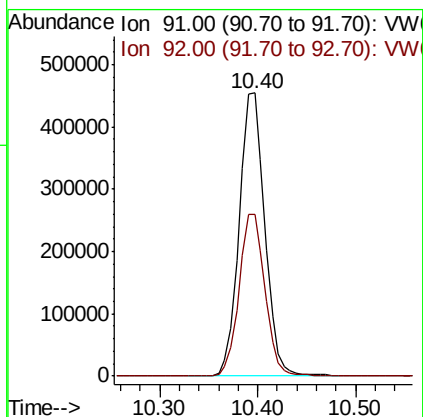
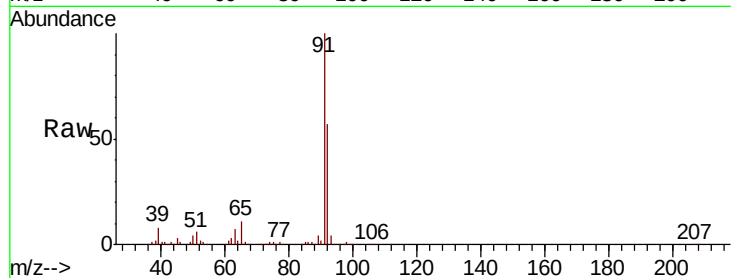
DB3H6MSD

Tgt Ion: 91 Resp: 827515

Ion Ratio Lower Upper

91 100

92 57.1 40.6 75.4



#52

Chlorobenzene

Concen: 21.394 ug/L

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW004955.D

Acq: 24 Aug 2018 23:59

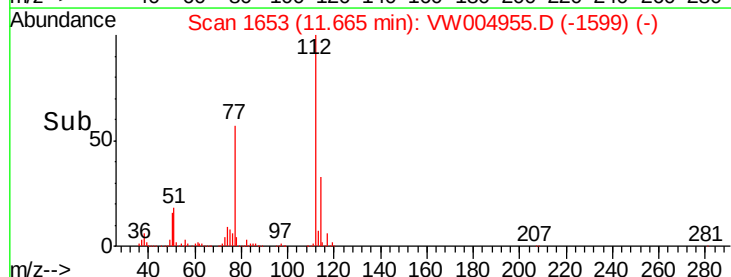
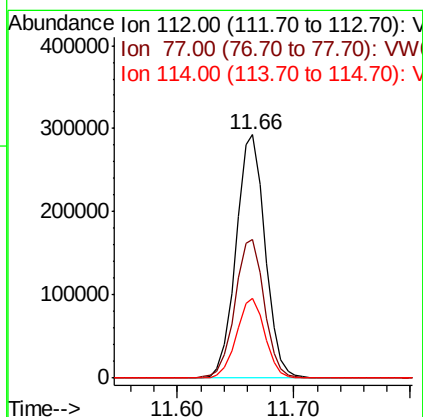
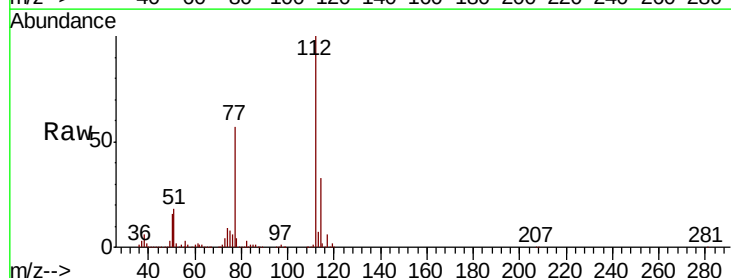
Tgt Ion: 112 Resp: 509604

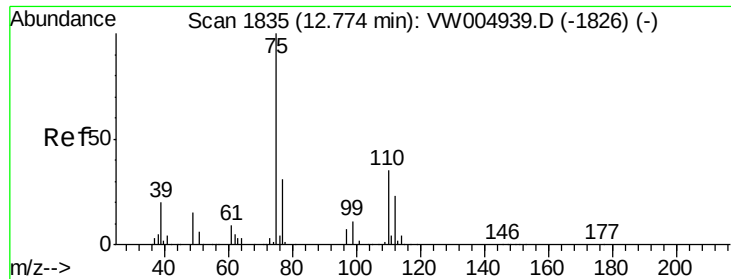
Ion Ratio Lower Upper

112 100

77 57.0 45.8 68.8

114 32.6 22.5 41.7





#59

1,2,3-Trichloropropane

Concen: 3.160 ug/L

RT: 13.56 min Scan# 1964

Delta R.T. 0.79 min

Lab File: VW004955.D

Acq: 24 Aug 2018 23:59

Instrument :

MSVOA_W

ClientSampleId :

DB3H6MSD

Tgt Ion: 75 Resp: 19898

Ion Ratio Lower Upper

75 100

77 37.2 25.3 37.9

