

Data File : VW011295.D
Acq On : 16 Jul 2019 19:20
Operator : SY/VA
Sample : K3798-18MSD
Misc : 5.76G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A52G4MSD

Quant Time: Jul 17 07:25:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 17 07:20:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	323404	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	285028	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	120025	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	69227	14.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	56.08%
7) Chloroethane-d5	2.88	69	57868	16.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.80%
10) 1,1-Dichloroethene-d2	4.02	63	189751	18.14	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.56%
20) 2-Butanone-d5	7.07	46	105991	54.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.98%
24) Chloroform-d	7.65	84	191976	21.66	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.64%
26) 1,2-Dichloroethane-d4	8.31	65	125770	23.04	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.16%
29) Benzene-d6	8.27	84	375710	21.40	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.60%
33) 1,2-Dichloropropane-d6	9.27	67	133929	23.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.68%
37) Toluene-d8	10.32	98	313624	20.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	80.16%
38) trans-1,3-Dichloropropene-	10.58	79	51189	21.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.20%
39) 2-Hexanone-d5	10.92	63	71302	54.38	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.76%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	121024	25.59	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.36%
61) 1,2-Dichlorobenzene-d4	13.85	152	101901	22.12	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.48%

Target Compounds

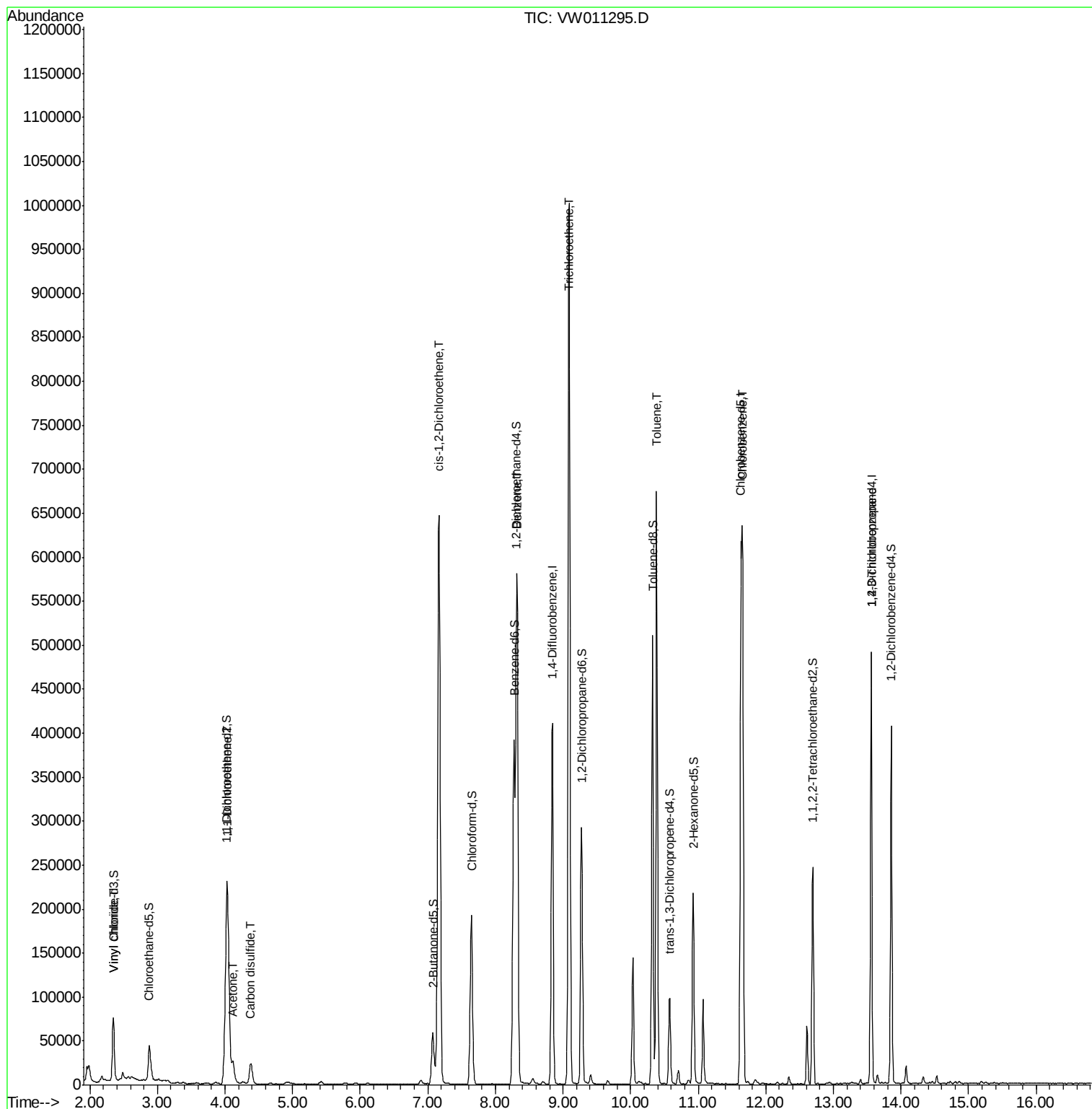
					Qvalue
5) Vinyl chloride	2.36	62	11445	2.031 ug/L	# 81
12) 1,1-Dichloroethene	4.04	96	97143	22.857 ug/L	80
13) Acetone	4.12	43	35838	18.862 ug/L	98
14) Carbon disulfide	4.38	76	52038	4.280 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	360901	77.634 ug/L	98
34) Benzene	8.32	78	467220	26.228 ug/L	100
35) Trichloroethene	9.09	95	355047	78.981 ug/L	99
44) Toluene	10.38	91	473855	25.699 ug/L	100
52) Chlorobenzene	11.66	112	282416	25.071 ug/L	99
59) 1,2,3-Trichloropropane	13.55	75	15996	4.632 ug/L	90

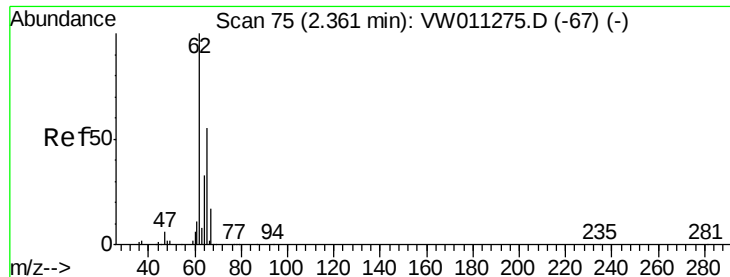
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 2.031 ug/L

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

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MSVOA_W

ClientSampleId :

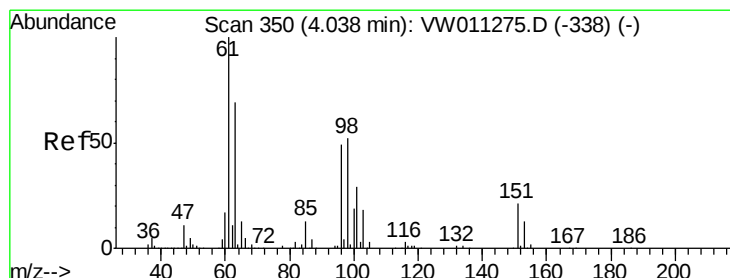
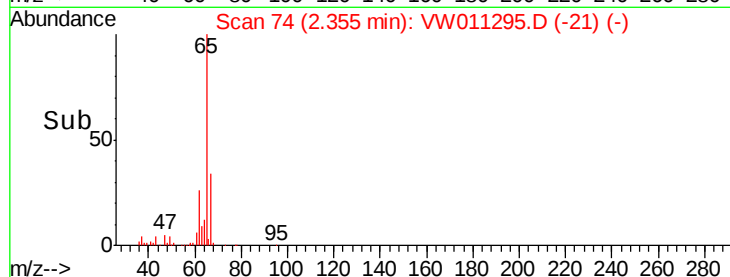
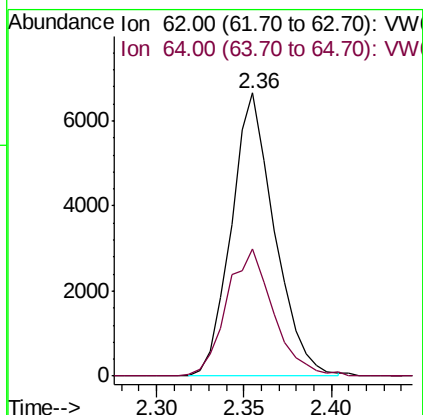
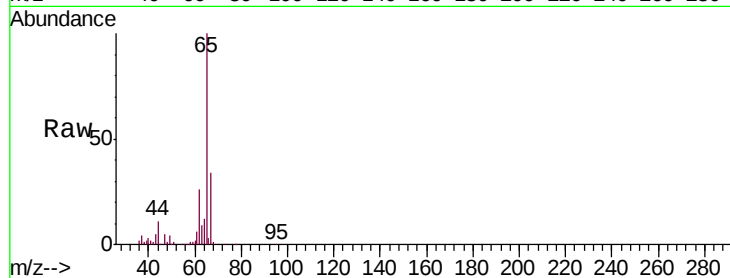
A52G4MSD

Tgt Ion: 62 Resp: 11445

Ion Ratio Lower Upper

62 100

64 45.1 23.9 44.3#



#12

1,1-Dichloroethene

Concen: 22.857 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW011295.D

Acq: 16 Jul 2019 19:20

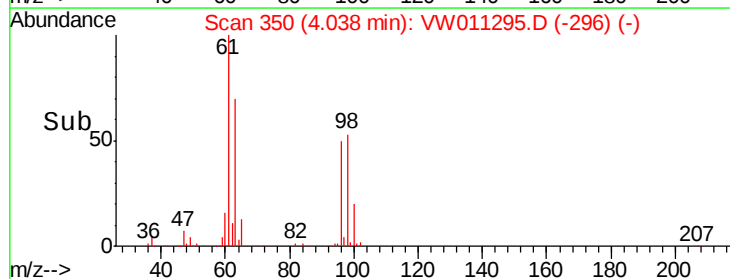
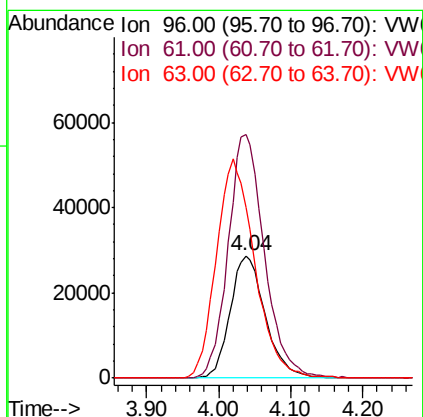
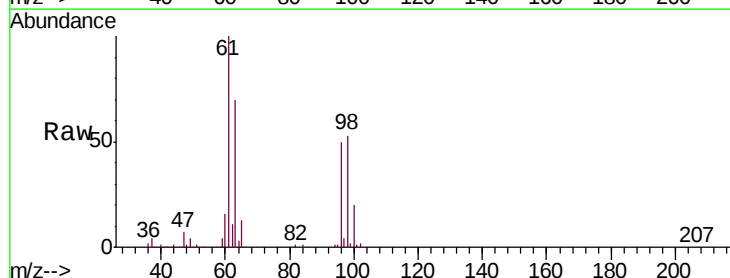
Tgt Ion: 96 Resp: 97143

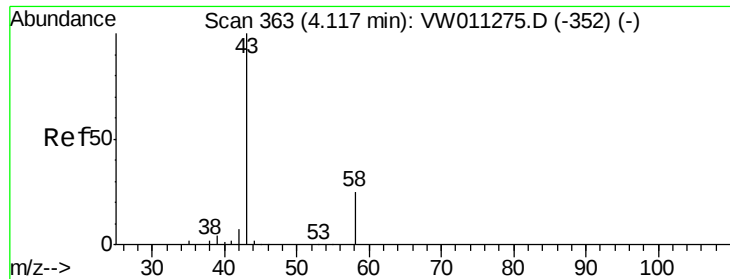
Ion Ratio Lower Upper

96 100

61 199.3 142.2 264.0

63 140.0 138.9 257.9





#13

Acetone

Concen: 18.862 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011295.D

Acq: 16 Jul 2019 19:20

Instrument :

MSVOA_W

ClientSampleId :

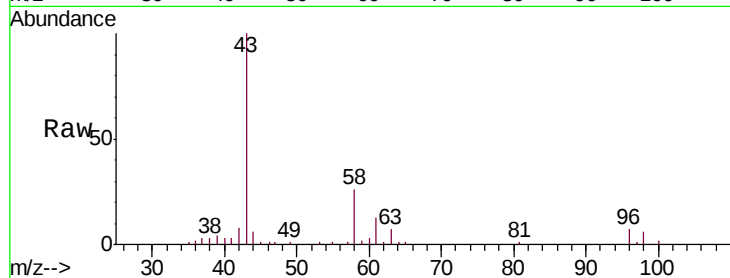
A52G4MSD

Tgt Ion: 43 Resp: 35838

Ion Ratio Lower Upper

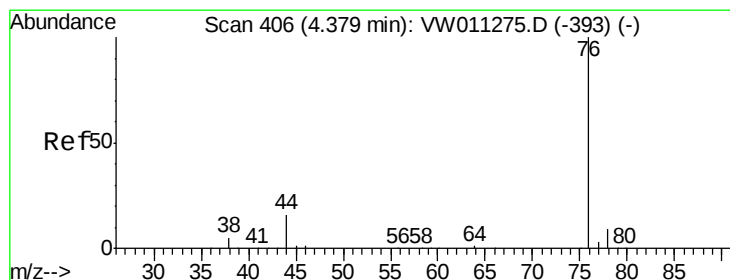
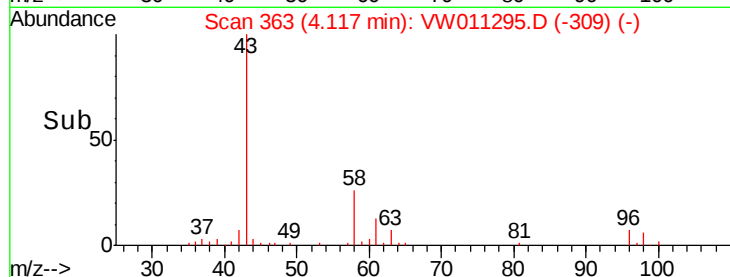
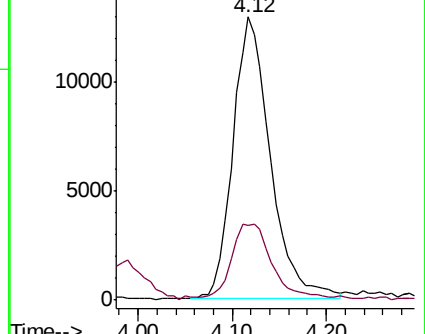
43 100

58 28.6 0.0 55.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 4.280 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW011295.D

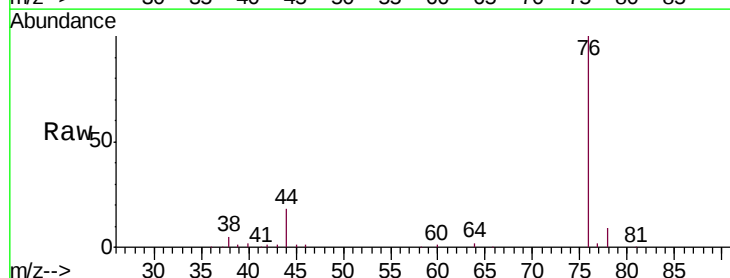
Acq: 16 Jul 2019 19:20

Tgt Ion: 76 Resp: 52038

Ion Ratio Lower Upper

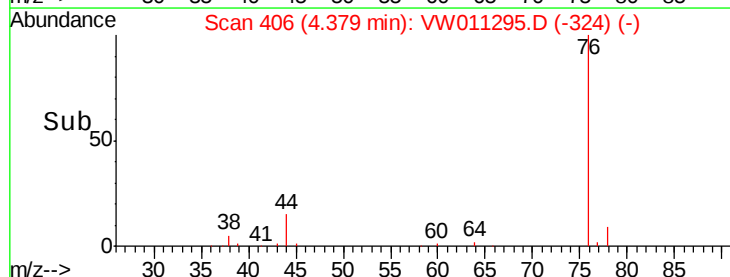
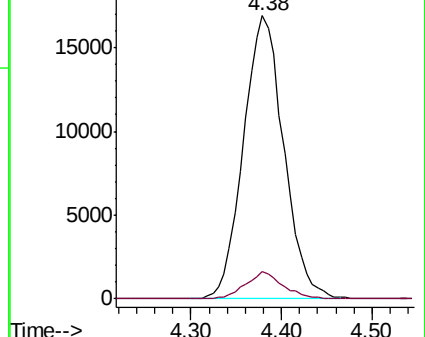
76 100

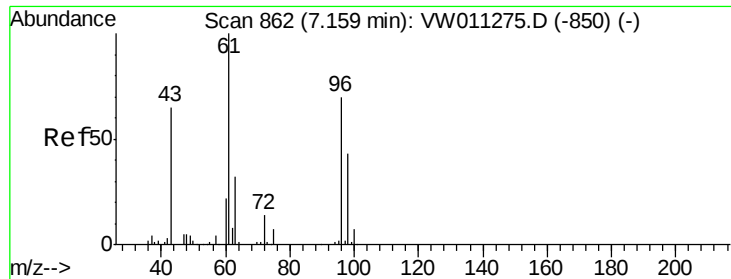
78 9.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW



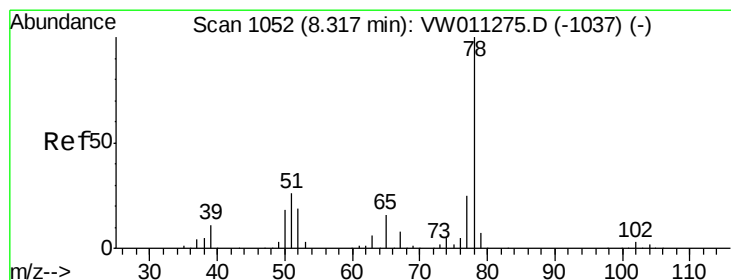
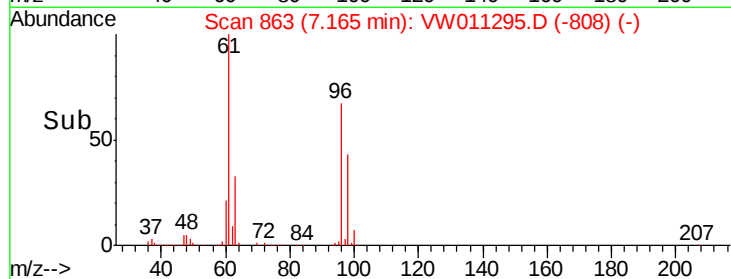
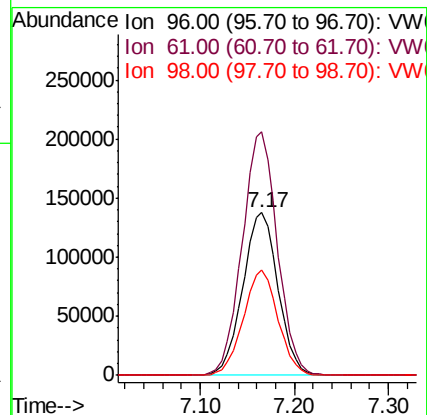
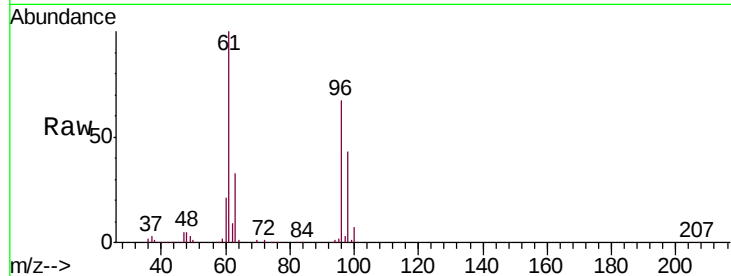


#22

cis-1,2-Dichloroethene
Concen: 77.634 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.01 min
Lab File: VW011295.D
Acq: 16 Jul 2019 19:20

Instrument :
MSVOA_W
ClientSampled :
A52G4MSD

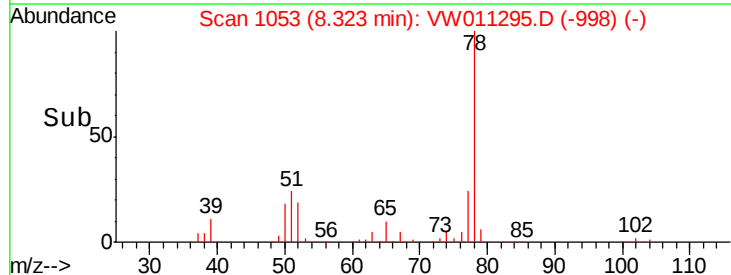
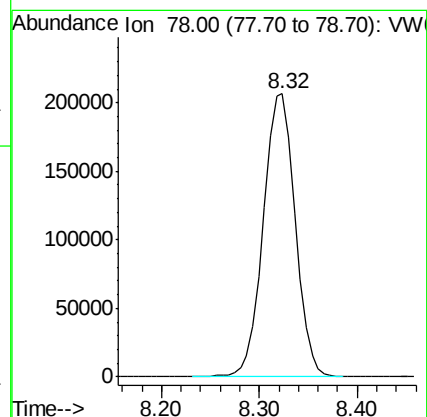
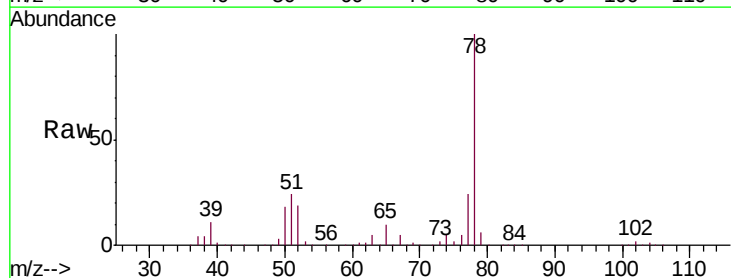
Tgt Ion: 96 Resp: 360901
Ion Ratio Lower Upper
96 100
61 149.8 103.2 191.6
98 65.0 44.8 83.2

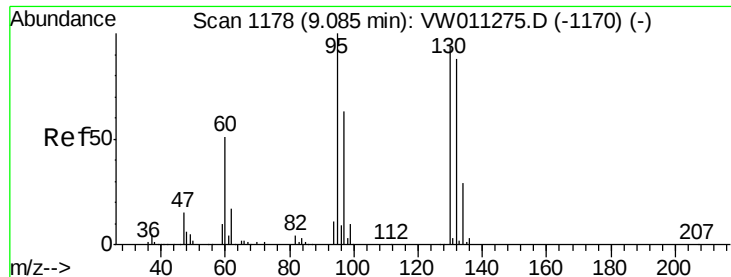


#34

Benzene
Concen: 26.228 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW011295.D
Acq: 16 Jul 2019 19:20

Tgt Ion: 78 Resp: 467220





#35

Trichloroethene

Concen: 78.981 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW011295.D

Acq: 16 Jul 2019 19:20

Instrument :

MSVOA_W

ClientSampled :

A52G4MSD

Tgt Ion: 95 Resp: 355047

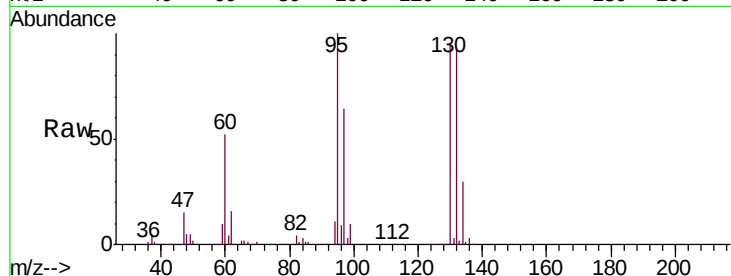
Ion Ratio Lower Upper

95 100

97 63.8 45.4 84.2

132 92.2 65.0 120.8

130 95.7 67.8 126.0



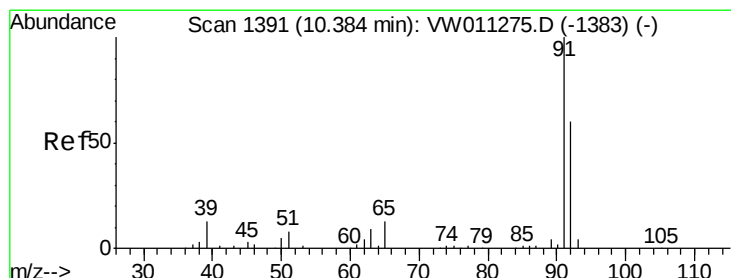
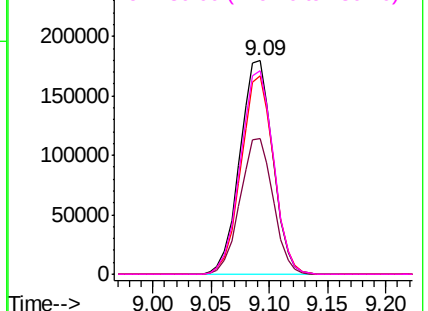
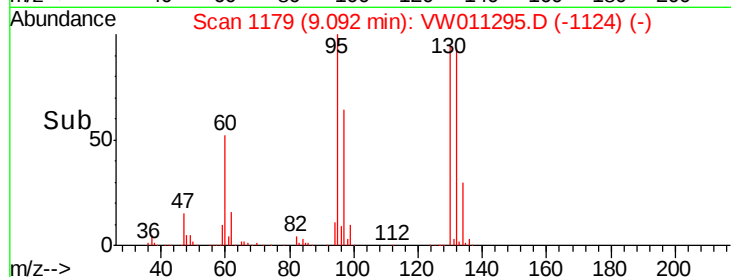
Abundance

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



#44

Toluene

Concen: 25.699 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011295.D

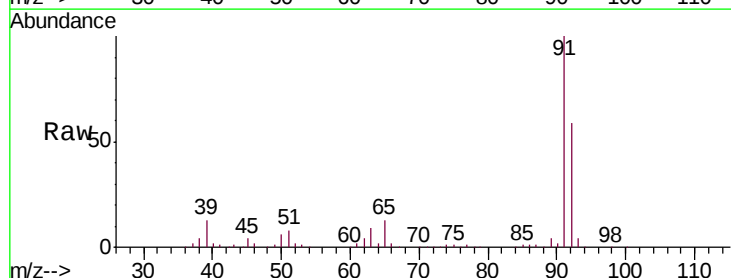
Acq: 16 Jul 2019 19:20

Tgt Ion: 91 Resp: 473855

Ion Ratio Lower Upper

91 100

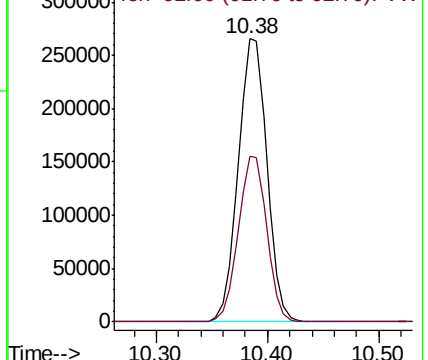
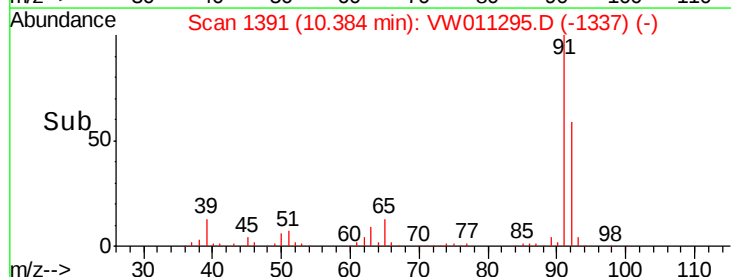
92 58.6 40.8 75.8

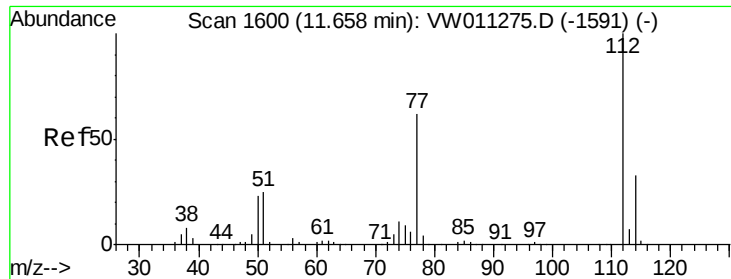


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW





#52

Chlorobenzene

Concen: 25.071 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

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MSVOA_W

ClientSampleId :

A52G4MSD

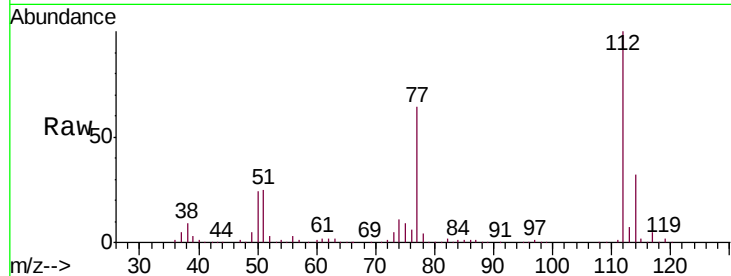
Tgt Ion: 112 Resp: 282416

Ion Ratio Lower Upper

112 100

77 64.3 51.2 76.8

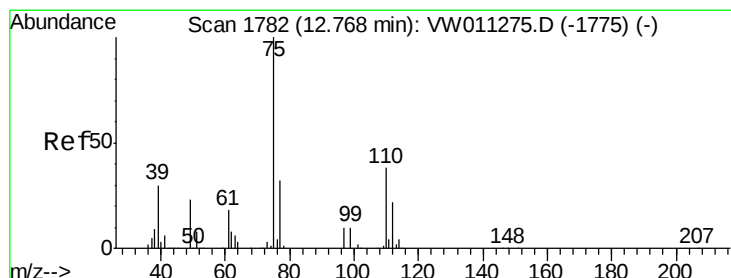
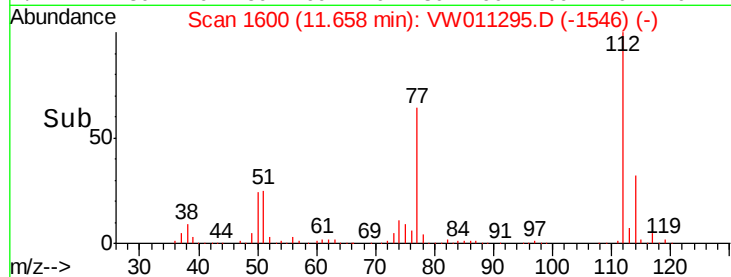
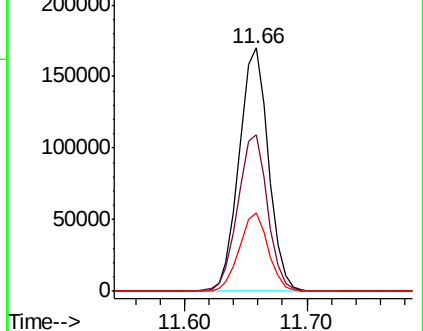
114 32.1 22.0 40.8



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



#59

1,2,3-Trichloropropane

Concen: 4.632 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW011295.D

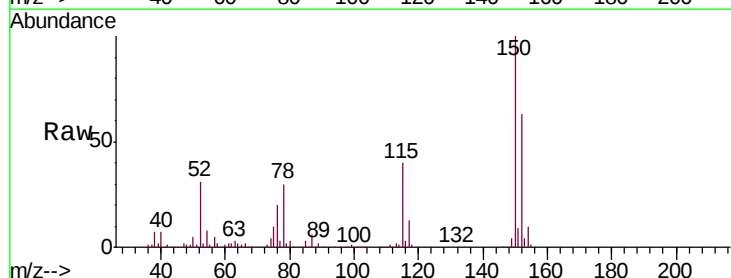
Acq: 16 Jul 2019 19:20

Tgt Ion: 75 Resp: 15996

Ion Ratio Lower Upper

75 100

77 37.3 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

