

Data File : VW011266.D
Acq On : 15 Jul 2019 17:30
Operator : SY/VA
Sample : K3798-03
Misc : 6.46G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A52G6

Quant Time: Jul 16 05:06:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 16 05:02:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	337706	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	289349	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	112627	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	74147	14.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	57.52%
7) Chloroethane-d5	2.88	69	59718	16.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.04%
10) 1,1-Dichloroethene-d2	4.01	63	138952	12.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	50.88%
20) 2-Butanone-d5	7.07	46	132007	64.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	129.98%
24) Chloroform-d	7.65	84	195432	21.11	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.44%
26) 1,2-Dichloroethane-d4	8.31	65	135298	23.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.92%
29) Benzene-d6	8.27	84	384348	21.56	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.24%
33) 1,2-Dichloropropane-d6	9.27	67	139048	23.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.84%
37) Toluene-d8	10.32	98	322700	20.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.24%
38) trans-1,3-Dichloropropene-	10.58	79	54393	22.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.16%
39) 2-Hexanone-d5	10.93	63	89932	67.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	135.12%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	133461	27.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	111.20%
61) 1,2-Dichlorobenzene-d4	13.85	152	93956	21.73	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.92%

Target Compounds

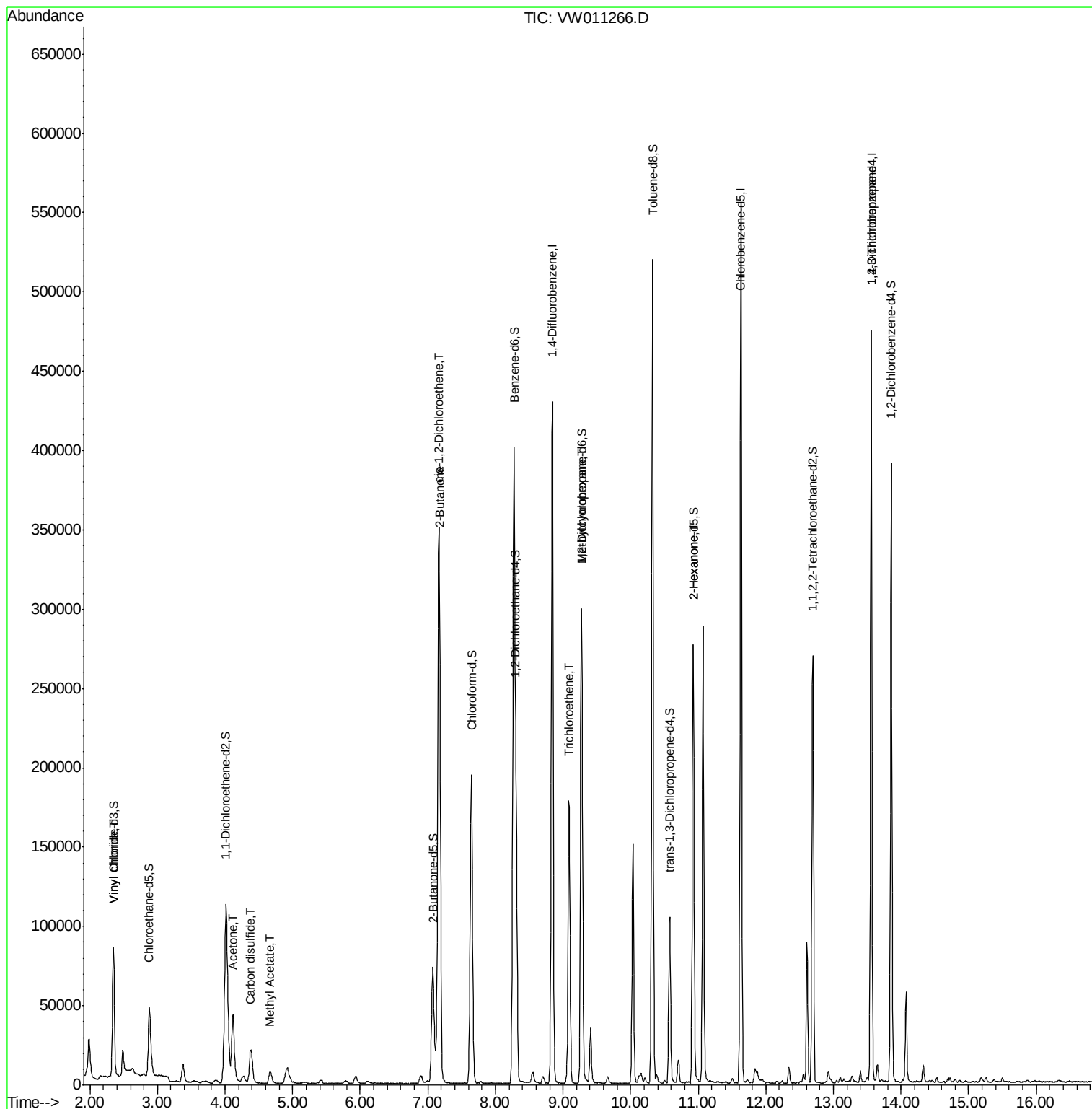
						Qvalue
5) Vinyl chloride	2.36	62	21085	3.582	ug/L	92
13) Acetone	4.12	43	75324	37.965	ug/L	99
14) Carbon disulfide	4.38	76	40593	3.198	ug/L	99
15) Methyl Acetate	4.67	43	15026	4.654	ug/L	100
21) 2-Butanone	7.18	43	7615	2.973	ug/L	81
22) cis-1,2-Dichloroethene	7.17	96	194824	40.134	ug/L	99
35) Trichloroethene	9.09	95	60515	13.261	ug/L	99
36) Methylcyclohexane	9.27	83	31250	3.805	ug/L #	14
49) 2-Hexanone	10.93	43	11833	3.539	ug/L #	72
59) 1,2,3-Trichloropropane	13.56	75	15552	4.436	ug/L	93

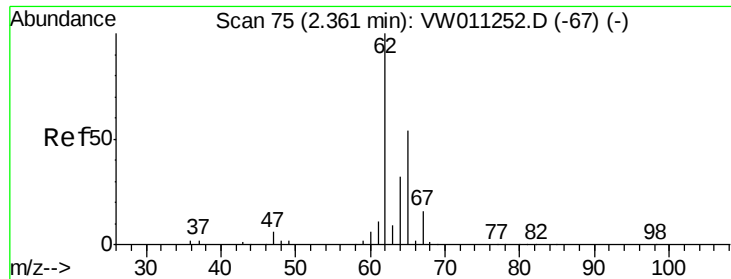
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 3.582 ug/L

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

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Instrument :

MSVOA_W

ClientSampleId :

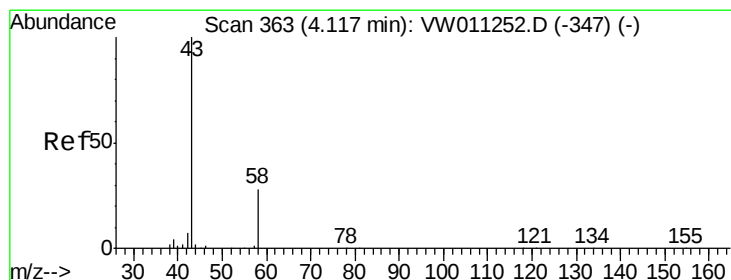
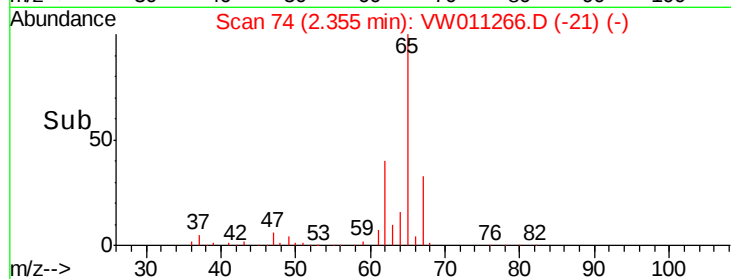
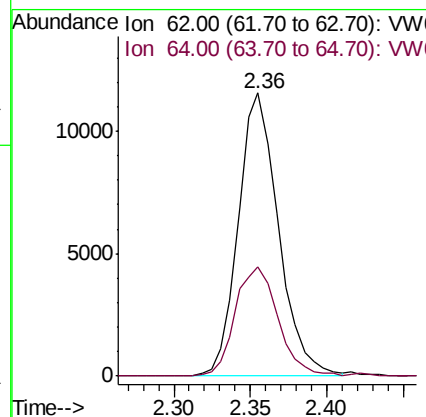
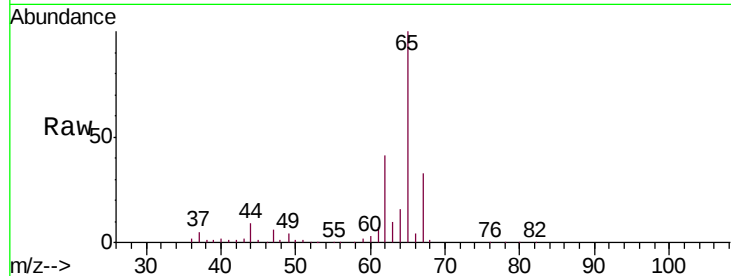
A52G6

Tgt Ion: 62 Resp: 21085

Ion Ratio Lower Upper

62 100

64 38.7 23.9 44.3



#13

Acetone

Concen: 37.965 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011266.D

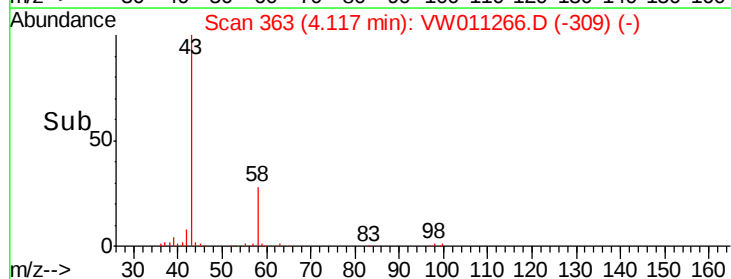
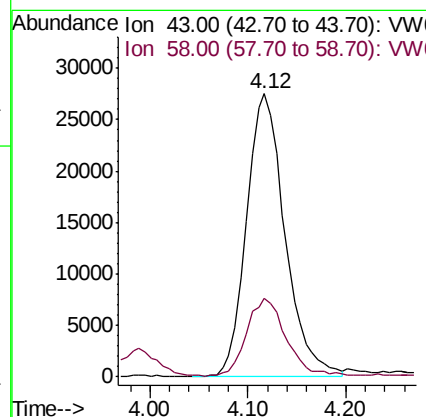
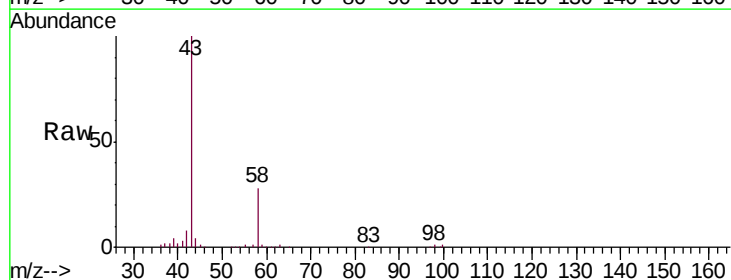
Acq: 15 Jul 2019 17:30

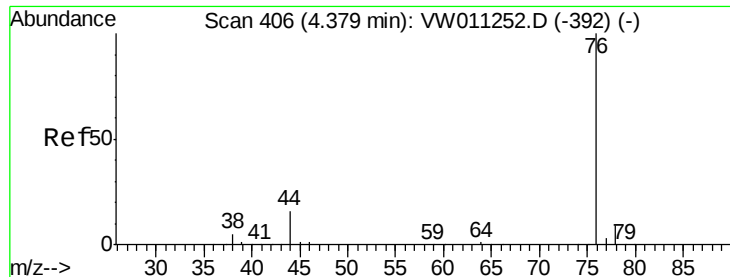
Tgt Ion: 43 Resp: 75324

Ion Ratio Lower Upper

43 100

58 27.1 0.0 55.0





#14

Carbon disulfide

Concen: 3.198 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW011266.D

Acq: 15 Jul 2019 17:30

Instrument :

MSVOA_W

ClientSampleId :

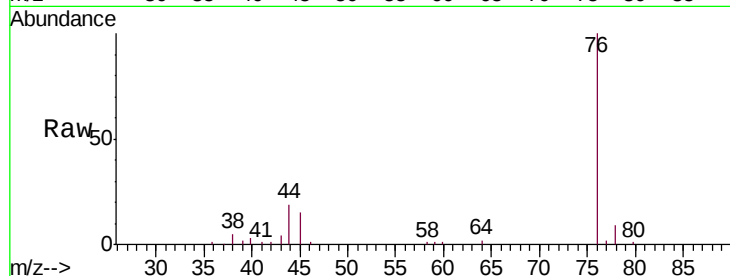
A52G6

Tgt Ion: 76 Resp: 40593

Ion Ratio Lower Upper

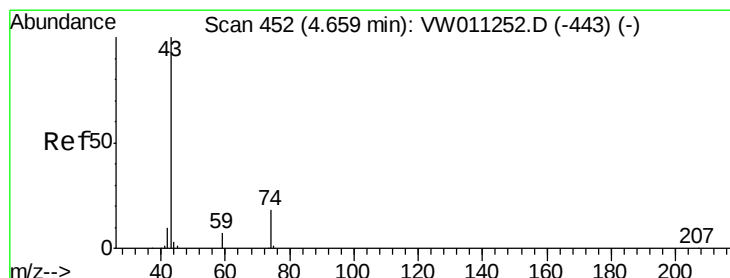
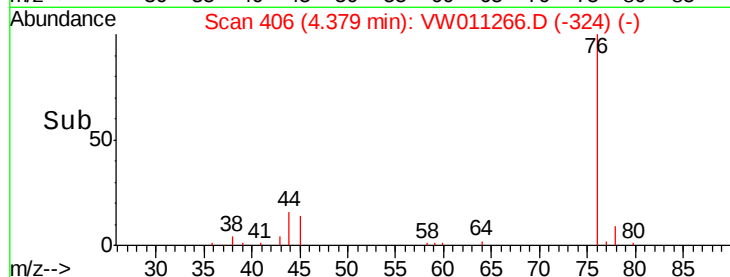
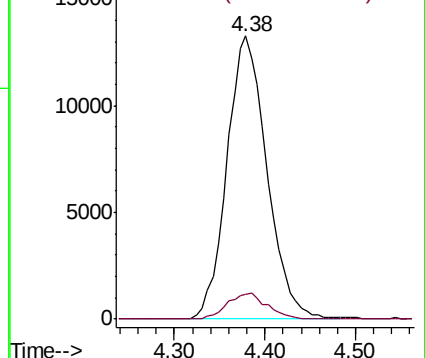
76 100

78 8.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW



#15

Methyl Acetate

Concen: 4.654 ug/L

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW011266.D

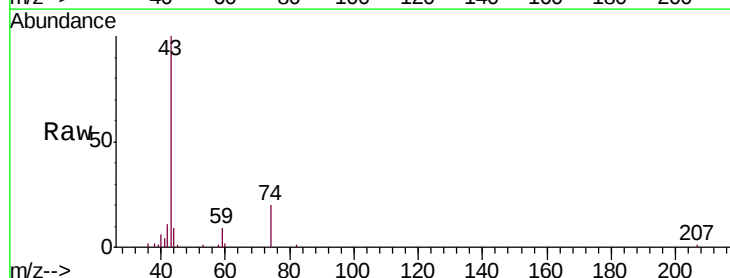
Acq: 15 Jul 2019 17:30

Tgt Ion: 43 Resp: 15026

Ion Ratio Lower Upper

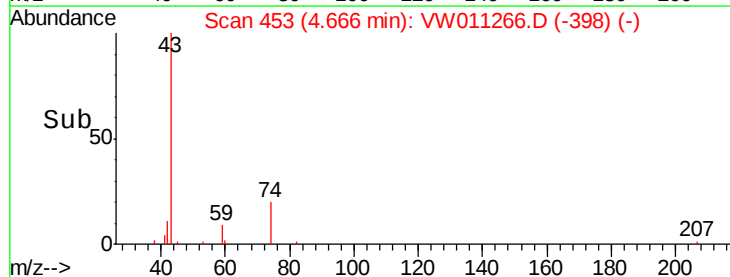
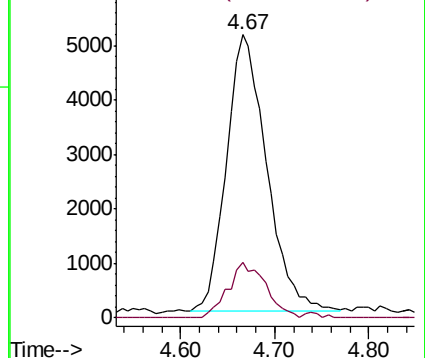
43 100

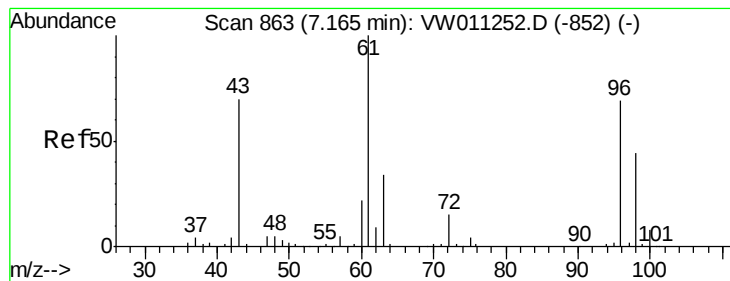
74 18.8 15.1 22.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#21

2-Butanone

Concen: 2.973 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW011266.D

Acq: 15 Jul 2019 17:30

Instrument :

MSVOA_W

ClientSampled :

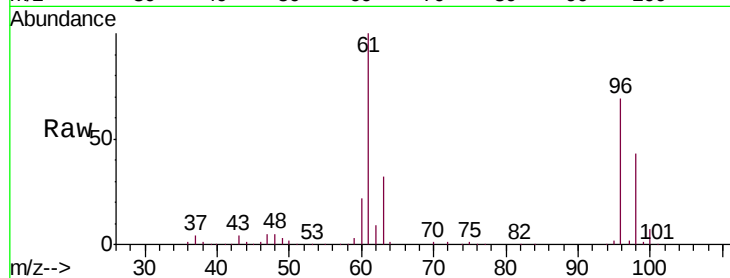
A52G6

Tgt Ion: 43 Resp: 7615

Ion Ratio Lower Upper

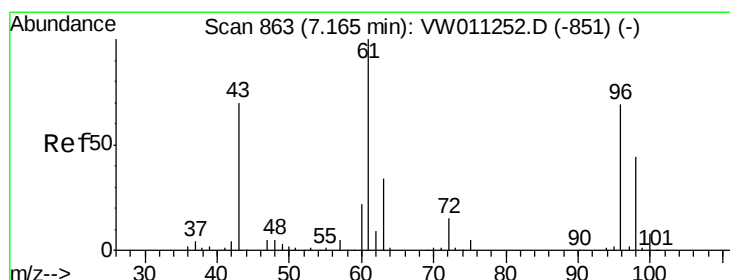
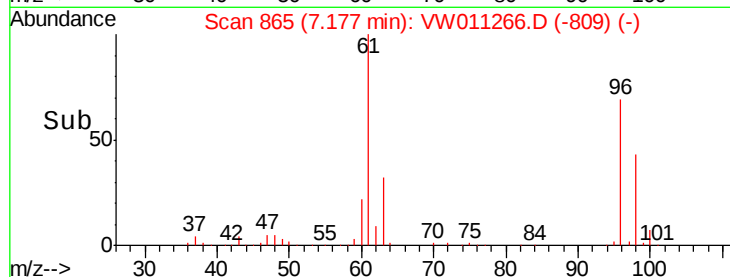
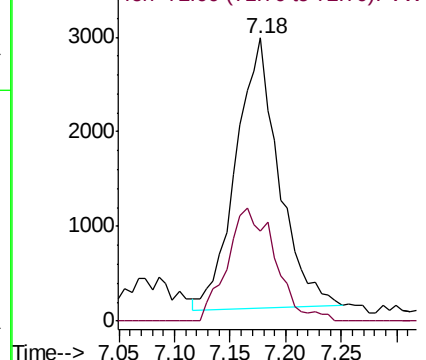
43 100

72 31.8 11.2 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#22

cis-1,2-Dichloroethene

Concen: 40.134 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011266.D

Acq: 15 Jul 2019 17:30

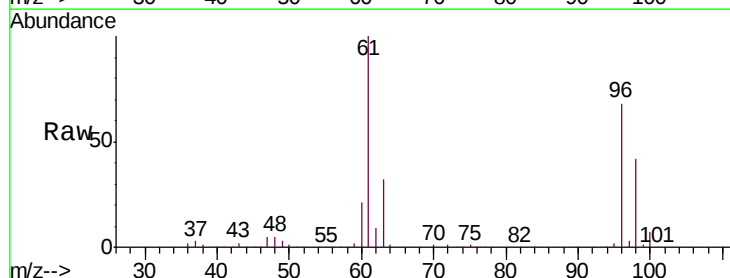
Tgt Ion: 96 Resp: 194824

Ion Ratio Lower Upper

96 100

61 147.3 103.2 191.6

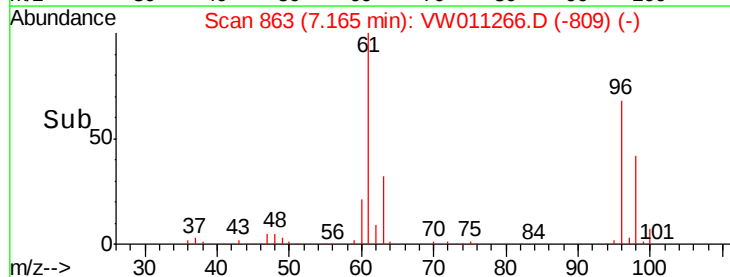
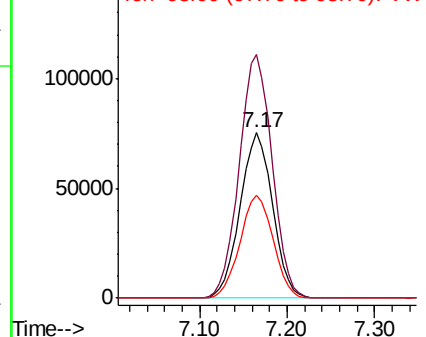
98 62.0 44.8 83.2

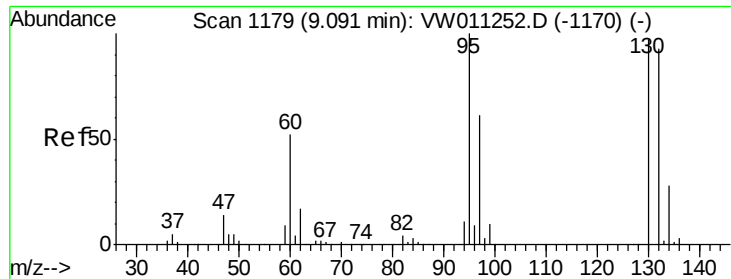


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW





#35

Trichloroethene

Concen: 13.261 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011266.D

Acq: 15 Jul 2019 17:30

Instrument :

MSVOA_W

ClientSampleId :

A52G6

Tgt Ion: 95 Resp: 60515

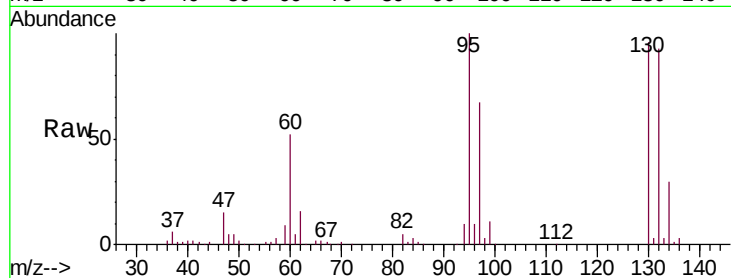
Ion Ratio Lower Upper

95 100

97 64.9 45.4 84.2

132 92.8 65.0 120.8

130 94.9 67.8 126.0

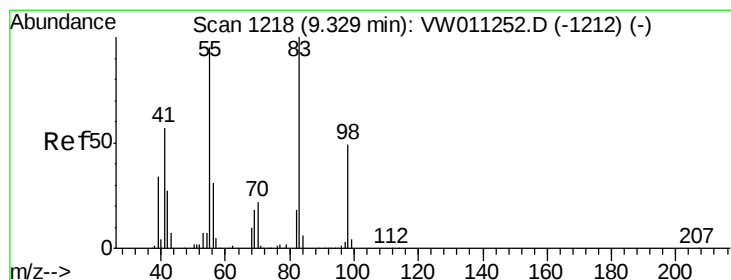
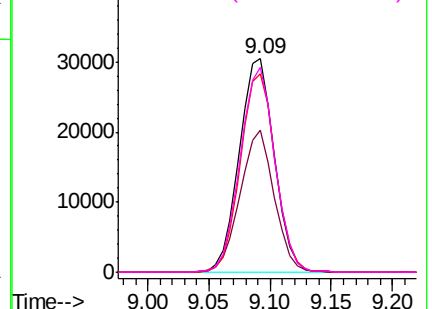
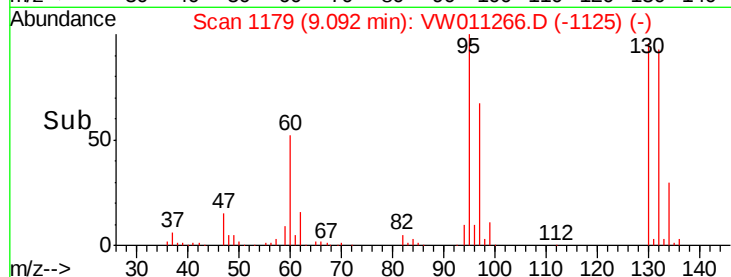


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#36

Methylcyclohexane

Concen: 3.805 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.05 min

Lab File: VW011266.D

Acq: 15 Jul 2019 17:30

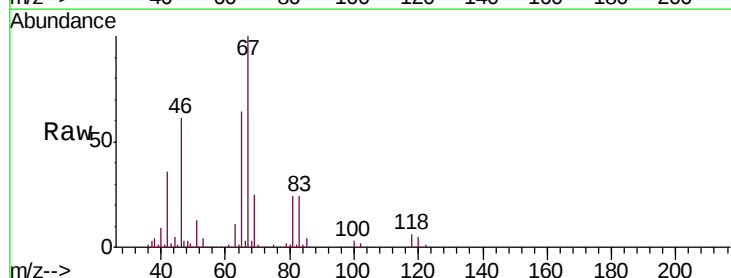
Tgt Ion: 83 Resp: 31250

Ion Ratio Lower Upper

83 100

55 0.5 72.2 108.4#

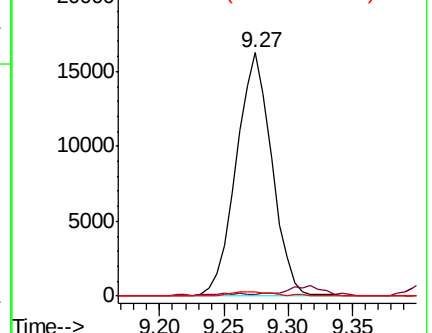
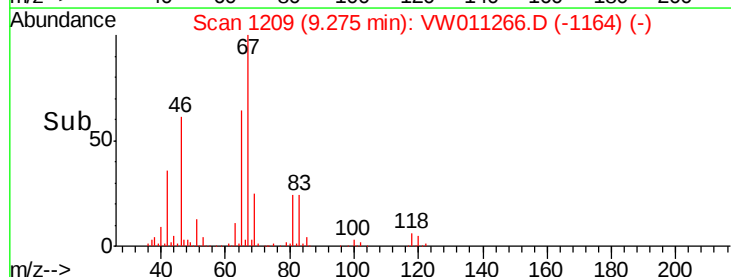
98 2.0 38.2 57.4#

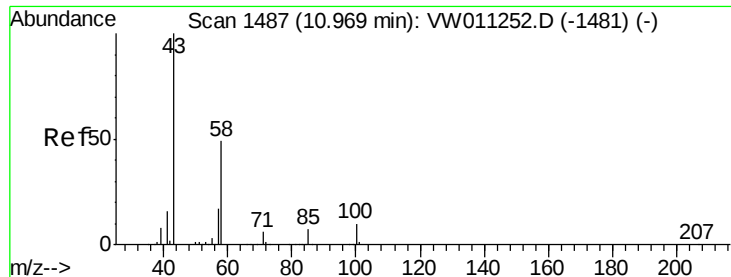


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#49

2-Hexanone

Concen: 3.539 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW011266.D

Acq: 15 Jul 2019 17:30

Instrument :

MSVOA_W

ClientSampleId :

A52G6

Tgt Ion: 43 Resp: 11833

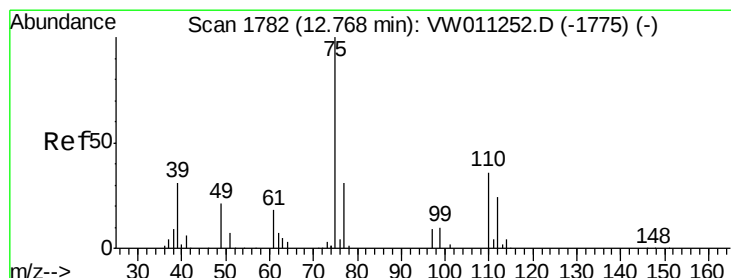
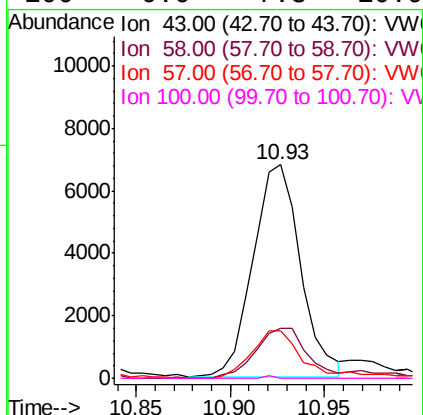
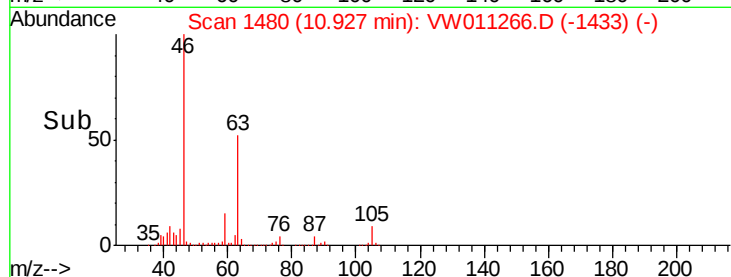
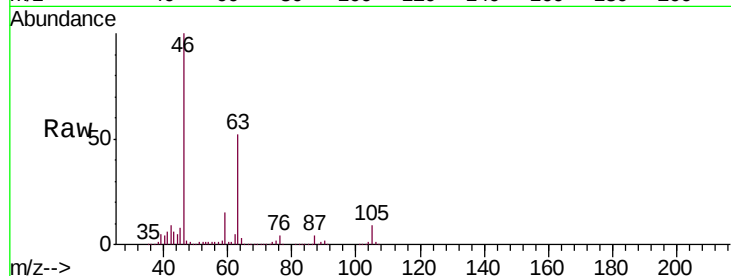
Ion Ratio Lower Upper

43 100

58 25.2 38.4 57.6#

57 22.9 13.3 19.9#

100 0.0 7.3 10.9#



#59

1,2,3-Trichloropropane

Concen: 4.436 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW011266.D

Acq: 15 Jul 2019 17:30

Tgt Ion: 75 Resp: 15552

Ion Ratio Lower Upper

75 100

77 35.7 25.4 38.0

