

Data File : VW011289.D
Acq On : 16 Jul 2019 16:39
Operator : SY/VA
Sample : K3798-06RE
Misc : 4.42G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A52H0RE

Quant Time: Jul 17 07:24:53 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	237641	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	196445	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	70655	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	57799	15.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	63.72%
7) Chloroethane-d5	2.88	69	47368	18.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.44%
10) 1,1-Dichloroethene-d2	4.01	63	107109	13.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	55.76%
20) 2-Butanone-d5	7.07	46	125791	88.00	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	176.00%#
24) Chloroform-d	7.65	84	151850	23.31	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.24%
26) 1,2-Dichloroethane-d4	8.30	65	109863	27.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.56%
29) Benzene-d6	8.27	84	292467	24.17	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.68%
33) 1,2-Dichloropropane-d6	9.27	67	106351	26.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.96%
37) Toluene-d8	10.32	98	234113	21.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.84%
38) trans-1,3-Dichloropropene-	10.58	79	40832	24.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.48%
39) 2-Hexanone-d5	10.93	63	80850	89.46	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	178.92%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	111745	34.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	137.12%#
61) 1,2-Dichlorobenzene-d4	13.86	152	63256	23.32	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.28%

Target Compounds

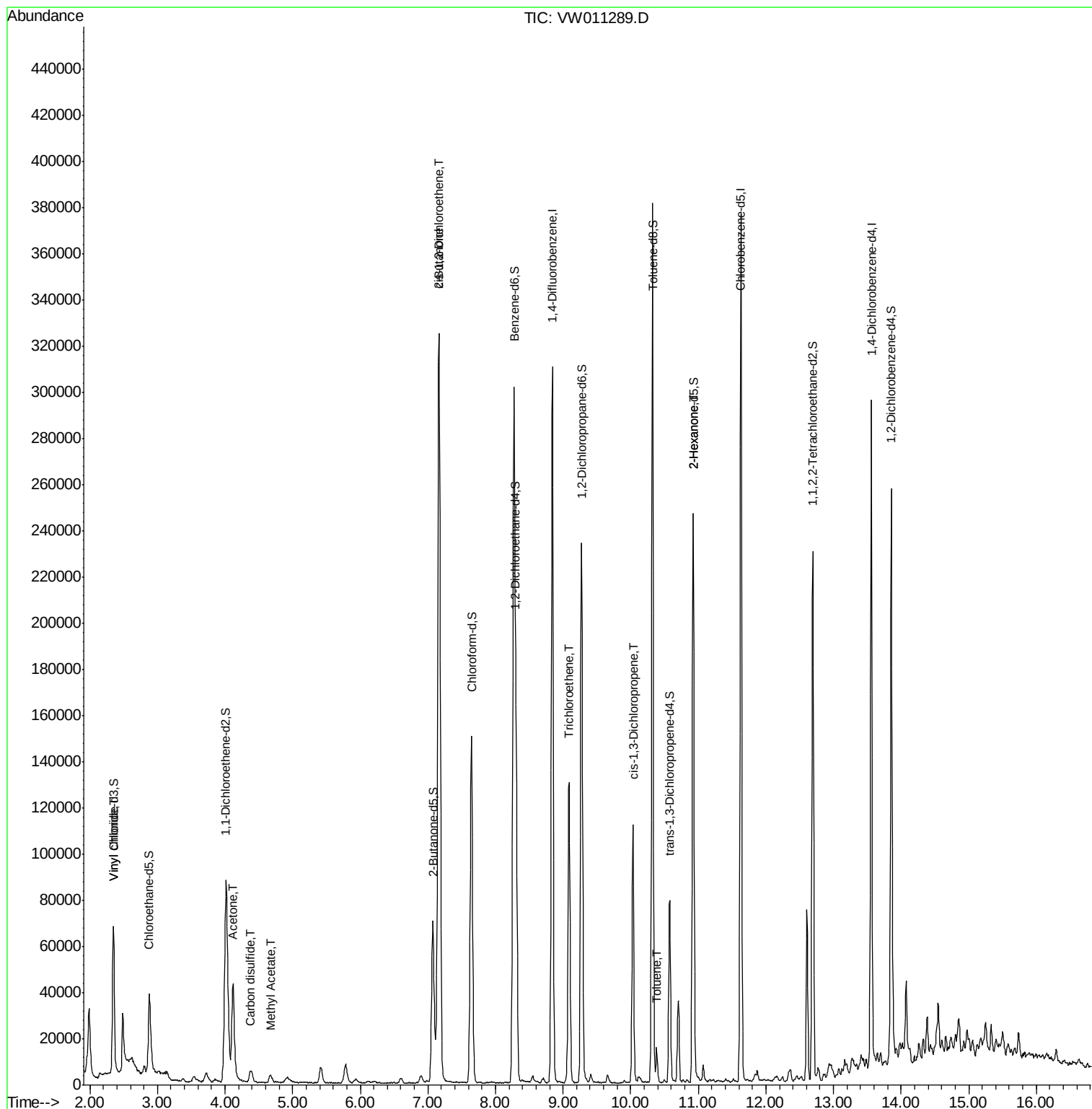
					Qvalue
5) Vinyl chloride	2.35	62	17396	4.200	ug/L 91
13) Acetone	4.12	43	74936	53.673	ug/L 99
14) Carbon disulfide	4.38	76	10853	1.215	ug/L 100
15) Methyl Acetate	4.67	43	6878	3.028	ug/L # 90
21) 2-Butanone	7.17	43	19817	10.995	ug/L 88
22) cis-1,2-Dichloroethene	7.16	96	175795	51.463	ug/L 97
35) Trichloroethene	9.09	95	44631	14.405	ug/L 99
42) cis-1,3-Dichloropropene	10.03	75	2955	0.595	ug/L # 51
44) Toluene	10.39	91	10040	0.790	ug/L 93
49) 2-Hexanone	10.92	43	11432	5.036	ug/L # 70

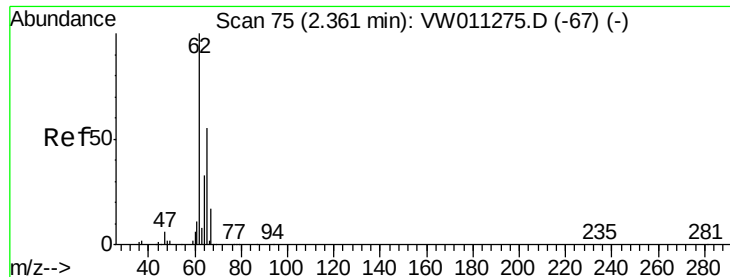
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 4.200 ug/L

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011289.D

Acq: 16 Jul 2019 16:39

Instrument :

MSVOA_W

ClientSampled :

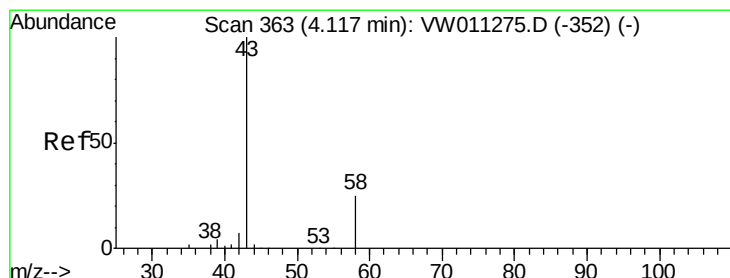
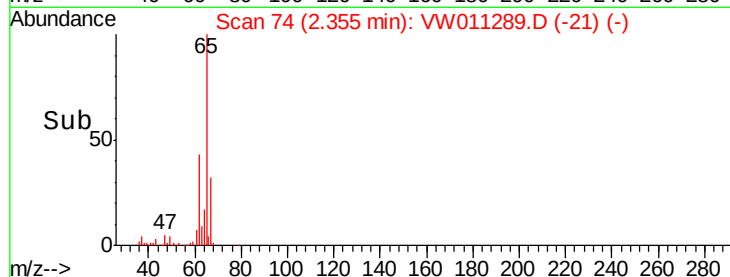
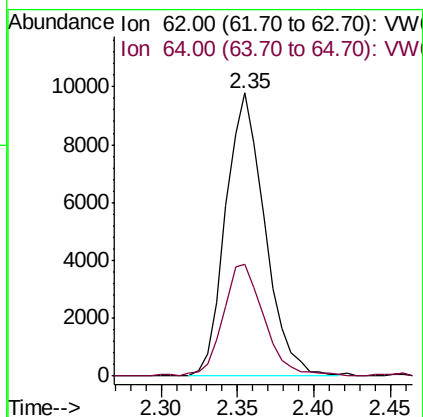
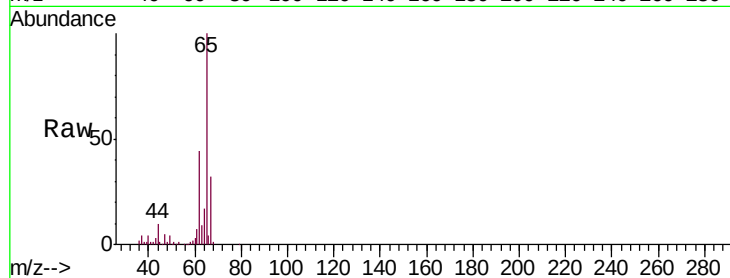
A52H0RE

Tgt Ion: 62 Resp: 17396

Ion Ratio Lower Upper

62 100

64 39.5 23.9 44.3



#13

Acetone

Concen: 53.673 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW011289.D

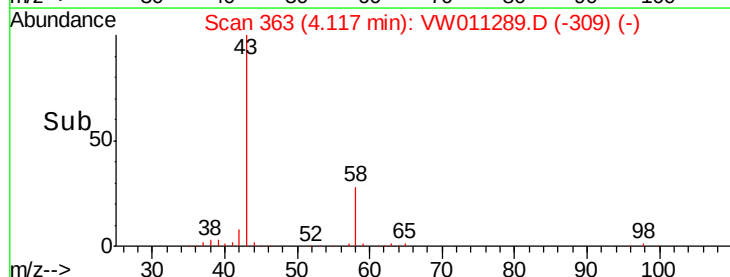
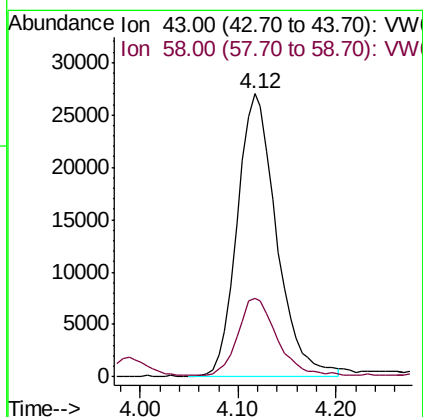
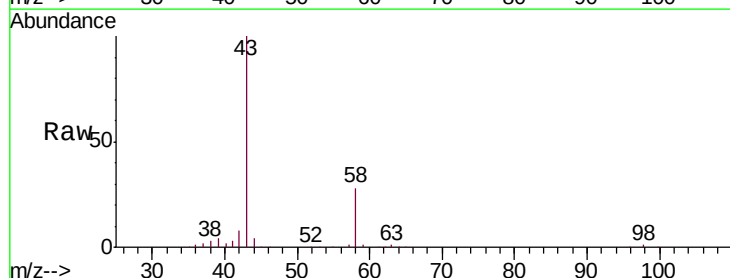
Acq: 16 Jul 2019 16:39

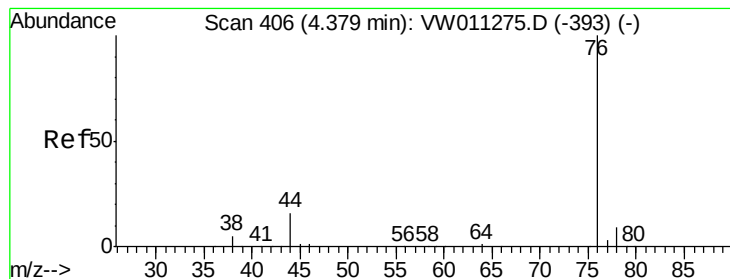
Tgt Ion: 43 Resp: 74936

Ion Ratio Lower Upper

43 100

58 26.9 0.0 55.0





#14

Carbon disulfide

Concen: 1.215 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW011289.D

Acq: 16 Jul 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

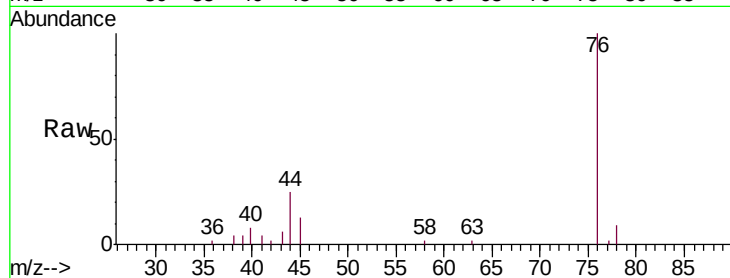
A52H0RE

Tgt Ion: 76 Resp: 10853

Ion Ratio Lower Upper

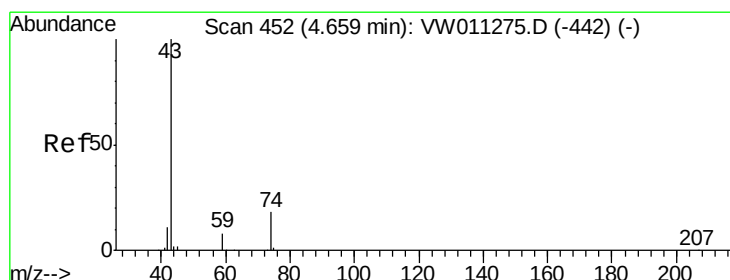
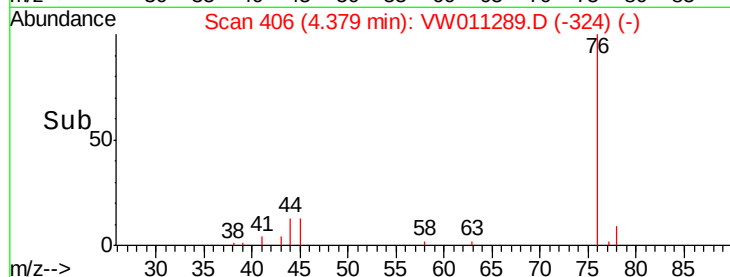
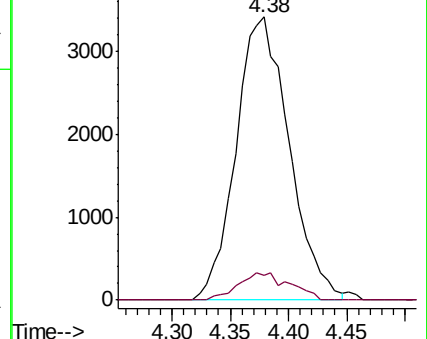
76 100

78 8.9 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: 3.028 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW011289.D

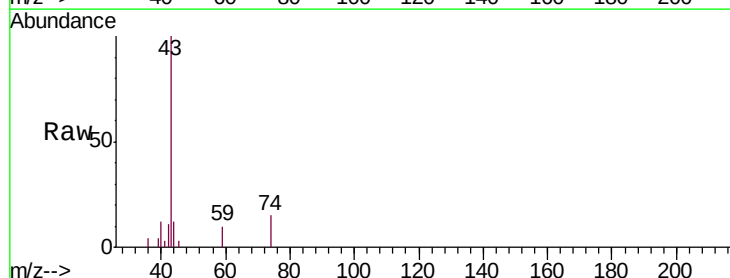
Acq: 16 Jul 2019 16:39

Tgt Ion: 43 Resp: 6878

Ion Ratio Lower Upper

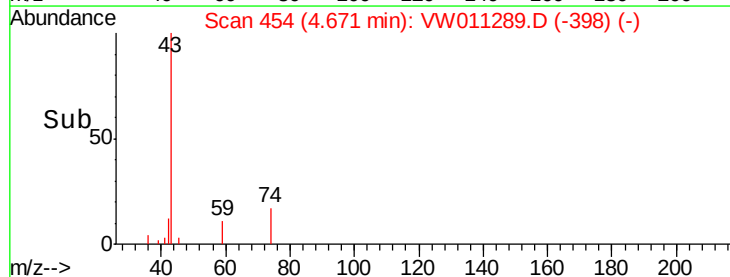
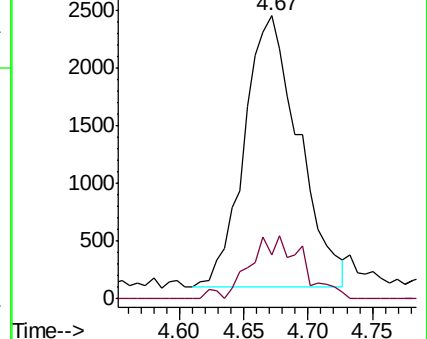
43 100

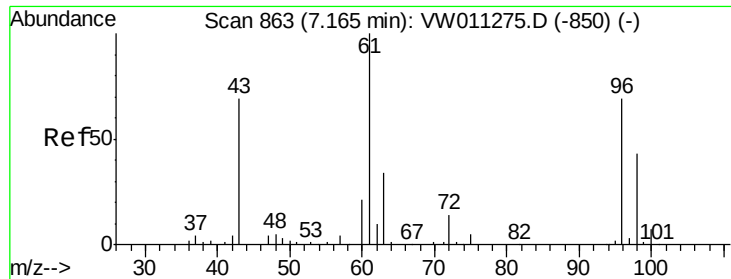
74 14.5 15.1 22.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#21

2-Butanone

Concen: 10.995 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW011289.D

Acq: 16 Jul 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

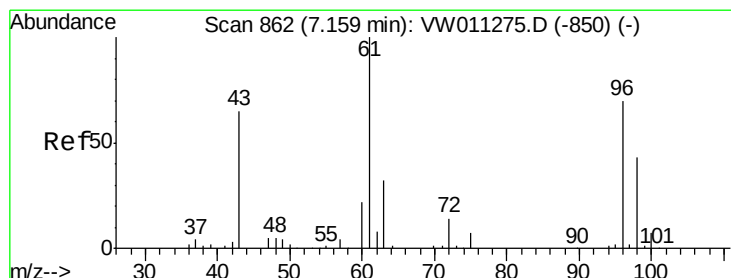
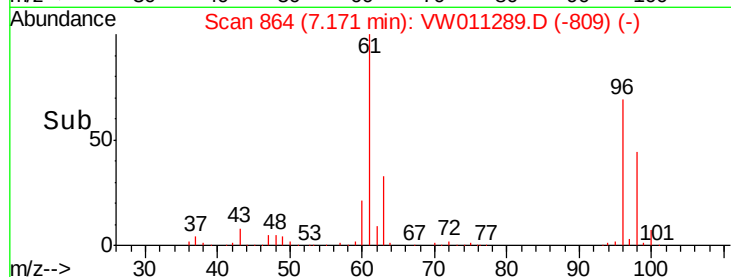
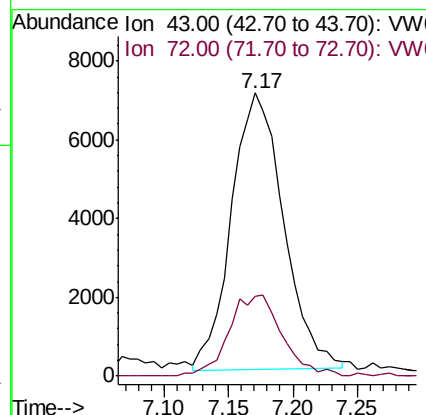
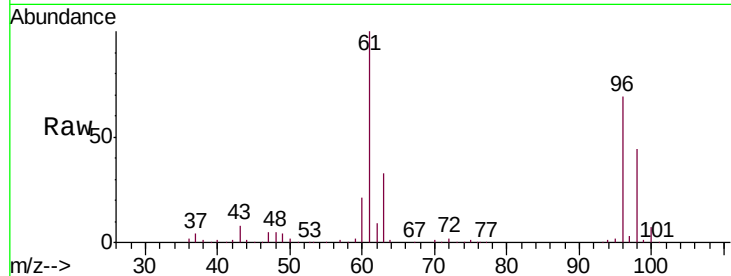
A52H0RE

Tgt Ion: 43 Resp: 19817

Ion Ratio Lower Upper

43 100

72 16.5 11.2 33.6



#22

cis-1,2-Dichloroethene

Concen: 51.463 ug/L

RT: 7.16 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW011289.D

Acq: 16 Jul 2019 16:39

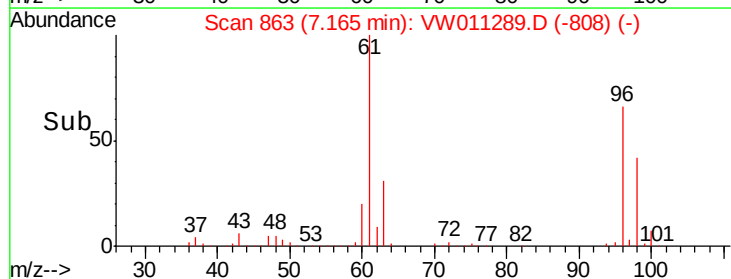
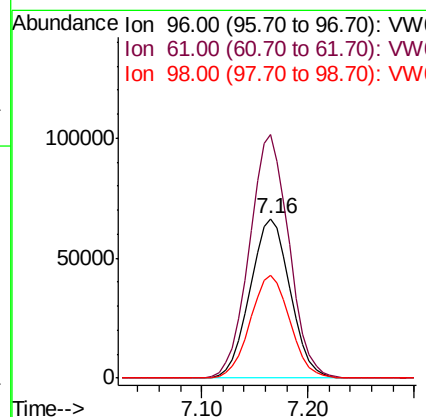
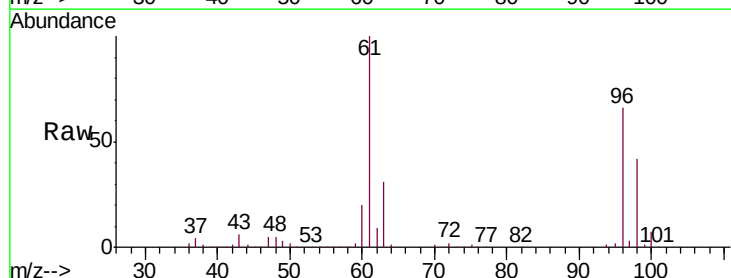
Tgt Ion: 96 Resp: 175795

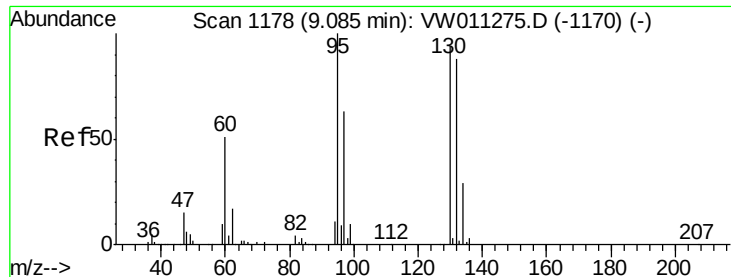
Ion Ratio Lower Upper

96 100

61 152.5 103.2 191.6

98 64.2 44.8 83.2





#35

Trichloroethene

Concen: 14.405 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW011289.D

Acq: 16 Jul 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

A52H0RE

Tgt Ion: 95 Resp: 44631

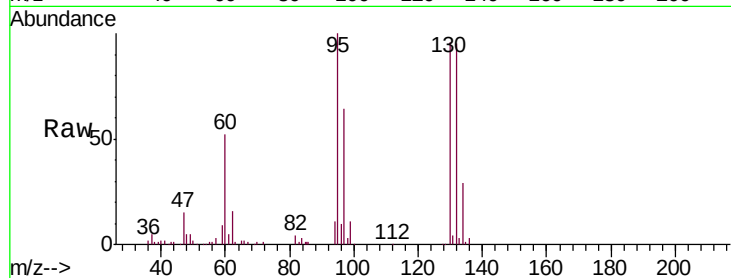
Ion Ratio Lower Upper

95 100

97 64.7 45.4 84.2

132 94.4 65.0 120.8

130 96.1 67.8 126.0

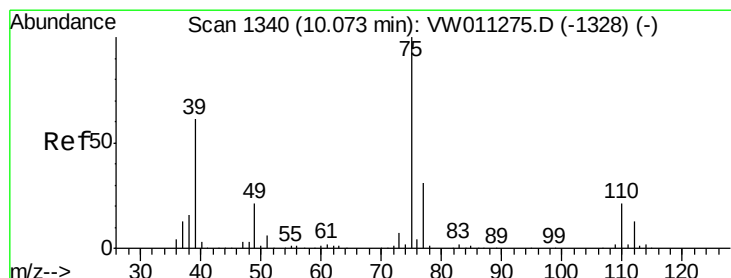
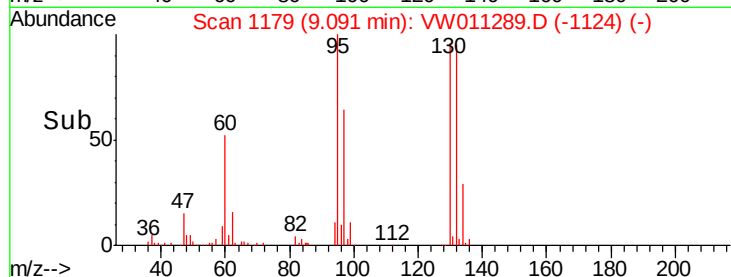
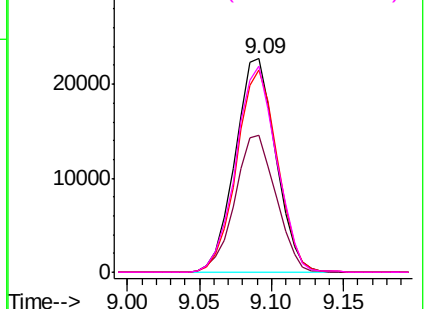


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#42

cis-1,3-Dichloropropene

Concen: 0.595 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW011289.D

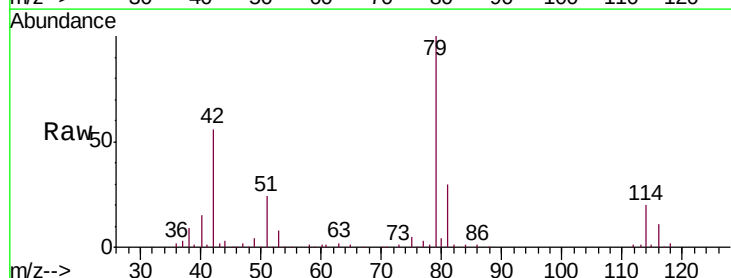
Acq: 16 Jul 2019 16:39

Tgt Ion: 75 Resp: 2955

Ion Ratio Lower Upper

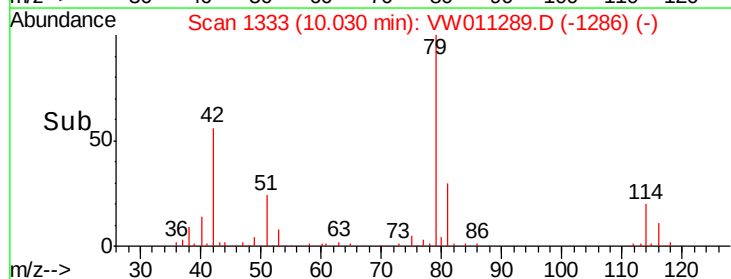
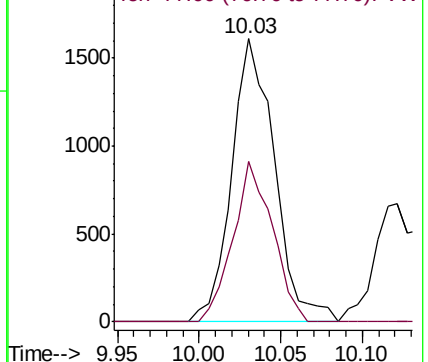
75 100

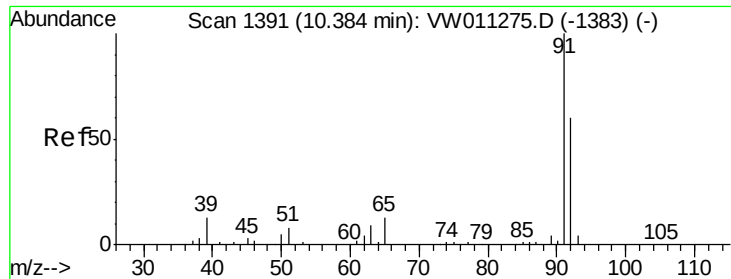
77 56.9 21.1 39.1#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#44

Toluene

Concen: 0.790 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW011289.D

Acq: 16 Jul 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

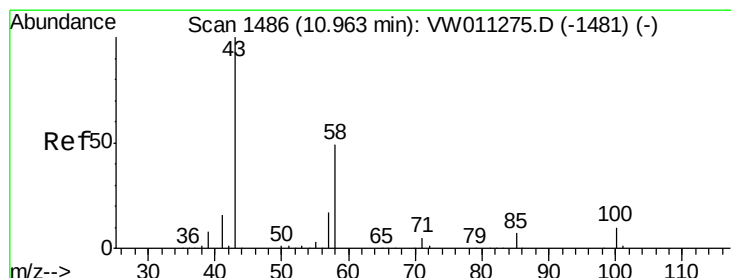
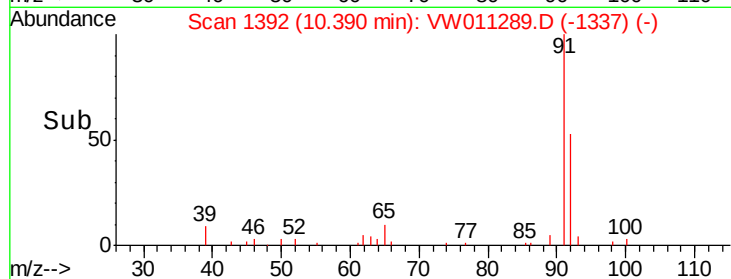
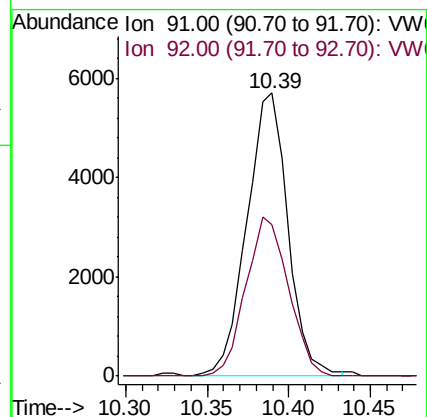
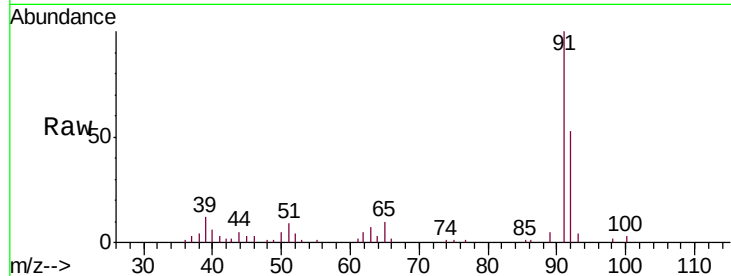
A52H0RE

Tgt Ion: 91 Resp: 10040

Ion Ratio Lower Upper

91 100

92 53.4 40.8 75.8



#49

2-Hexanone

Concen: 5.036 ug/L

RT: 10.92 min Scan# 1479

Delta R.T. -0.04 min

Lab File: VW011289.D

Acq: 16 Jul 2019 16:39

Tgt Ion: 43 Resp: 11432

Ion Ratio Lower Upper

43 100

58 25.0 38.4 57.6#

57 25.6 13.3 19.9#

100 0.4 7.3 10.9#

