

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032219\
 Data File : VW009355.D
 Acq On : 22 Mar 2019 18:16
 Operator : SY/VA
 Sample : K2017-22
 Misc : 5.80G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF0F1

Quant Time: Mar 23 00:18:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 23 00:14:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	314346	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	301281	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	118796	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	89341	23.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.12%
7) Chloroethane-d5	2.89	69	87965	20.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.04%
10) 1,1-Dichloroethene-d2	4.01	63	137957	16.99	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.96%
20) 2-Butanone-d5	7.07	46	100815	64.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	129.80%
24) Chloroform-d	7.65	84	207102	24.14	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.56%
26) 1,2-Dichloroethane-d4	8.31	65	135303	26.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.72%
29) Benzene-d6	8.27	84	376862	22.68	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.72%
33) 1,2-Dichloropropane-d6	9.27	67	121663	24.38	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.52%
37) Toluene-d8	10.32	98	320962	20.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.56%
38) trans-1,3-Dichloropropene-	10.58	79	52782	21.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.24%
39) 2-Hexanone-d5	10.93	63	74177	61.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	122.74%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	138059	28.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.36%
61) 1,2-Dichlorobenzene-d4	13.86	152	113831	24.99	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.96%

Target Compounds

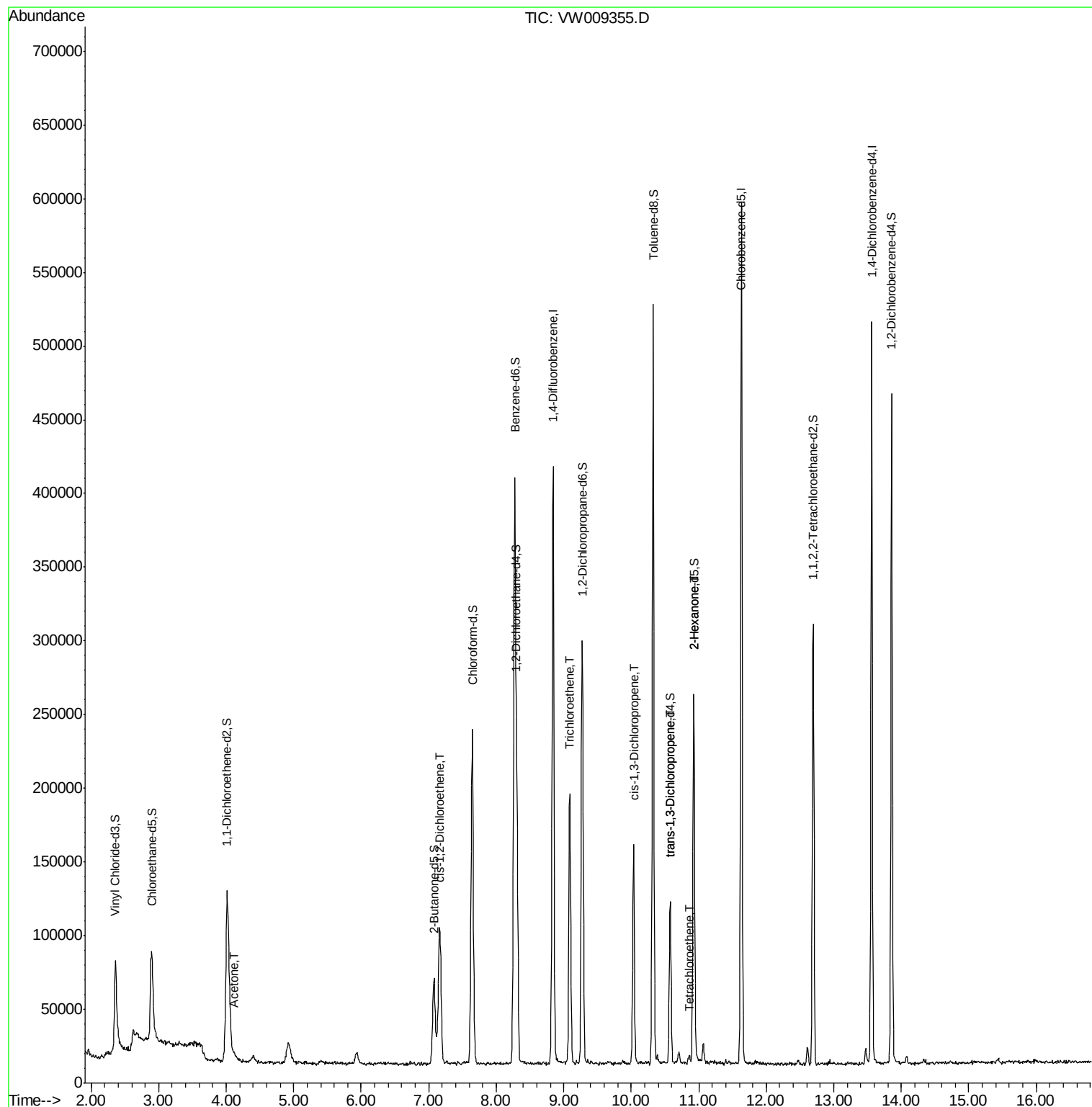
					Qvalue
13) Acetone	4.12	43	5571	4.373 ug/L	78
22) cis-1,2-Dichloroethene	7.16	96	45932	10.418 ug/L	95
35) Trichloroethene	9.09	95	57273	13.034 ug/L	99
42) cis-1,3-Dichloropropene	10.03	75	4097	0.594 ug/L #	82
45) trans-1,3-Dichloropropene	10.58	75	3367	0.562 ug/L	91
47) Tetrachloroethene	10.86	164	1038	0.280 ug/L #	80
49) 2-Hexanone	10.93	43	10623	3.934 ug/L #	74

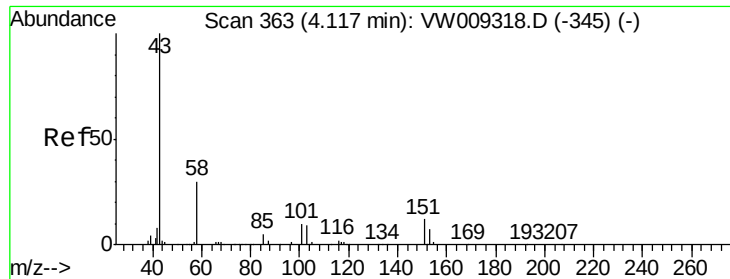
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Mar 23 00:14:14 2019
Response via : Initial Calibration





#13

Acetone

Concen: 4.373 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW009355.D

Acq: 22 Mar 2019 18:16

Instrument :

MSVOA_W

ClientSampled :

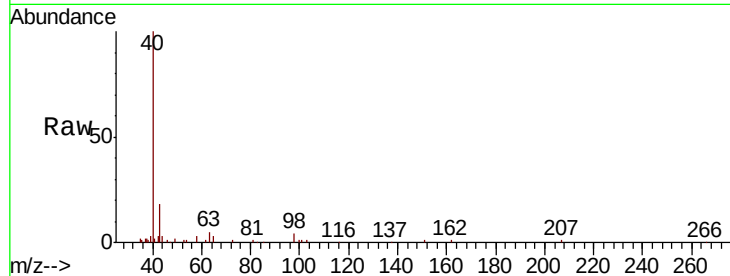
BF0F1

Tgt Ion: 43 Resp: 5571

Ion Ratio Lower Upper

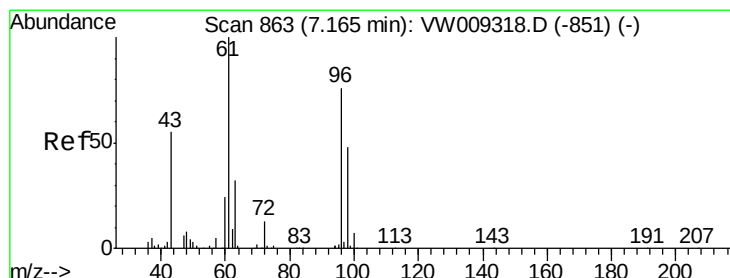
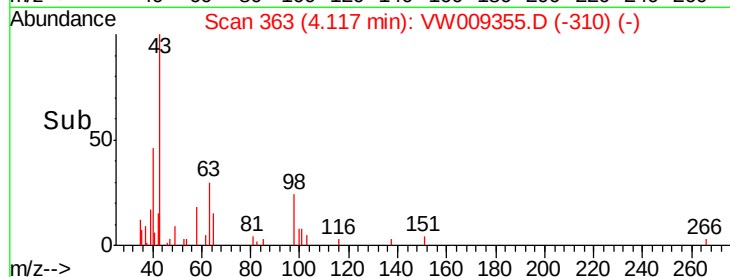
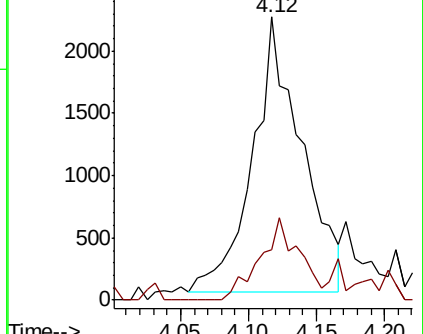
43 100

58 16.6 0.0 56.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#22

cis-1,2-Dichloroethene

Concen: 10.418 ug/L

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW009355.D

Acq: 22 Mar 2019 18:16

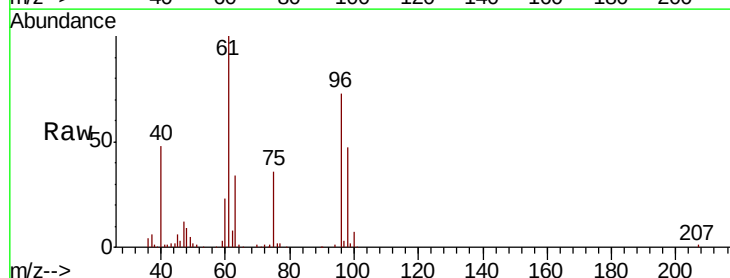
Tgt Ion: 96 Resp: 45932

Ion Ratio Lower Upper

96 100

61 136.8 90.6 168.3

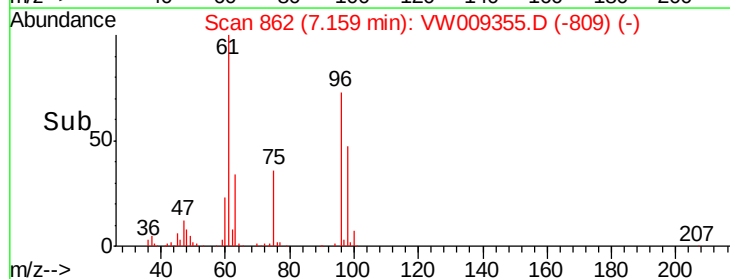
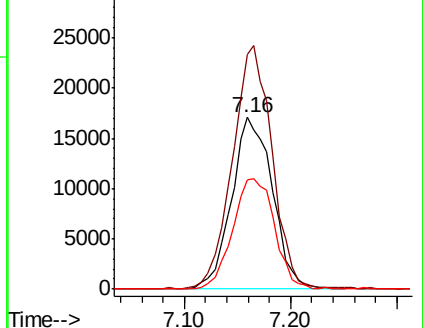
98 63.8 44.0 81.8

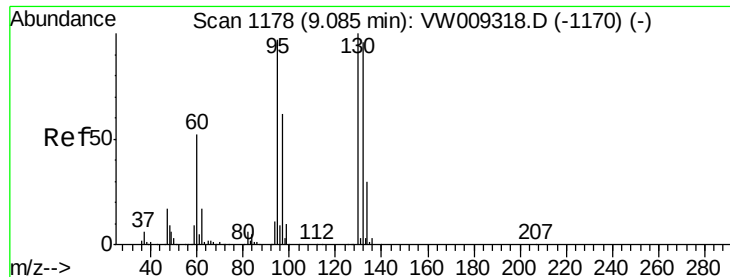


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW





#35

Trichloroethene

Concen: 13.034 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW009355.D

Acq: 22 Mar 2019 18:16

Instrument :

MSVOA_W

ClientSampleId :

BF0F1

Tgt Ion: 95 Resp: 57273

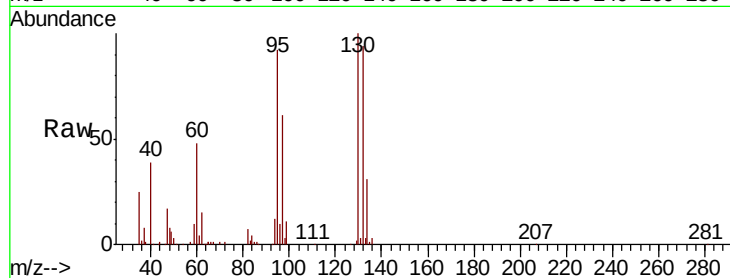
Ion Ratio Lower Upper

95 100

97 65.3 44.7 82.9

132 97.4 69.0 128.2

130 104.5 72.7 134.9

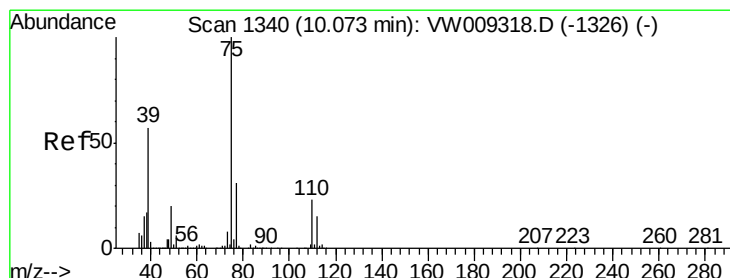
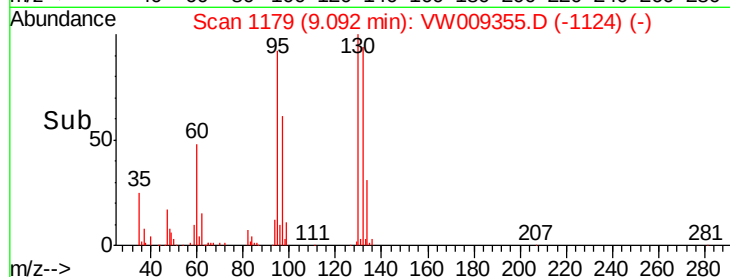
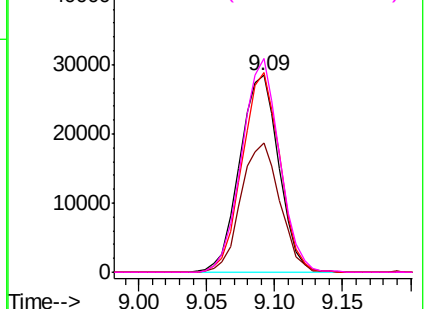


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 0.594 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW009355.D

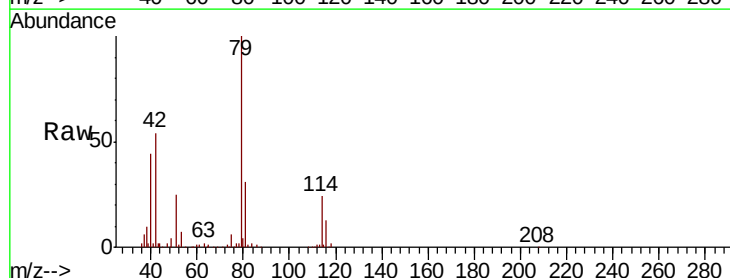
Acq: 22 Mar 2019 18:16

Tgt Ion: 75 Resp: 4097

Ion Ratio Lower Upper

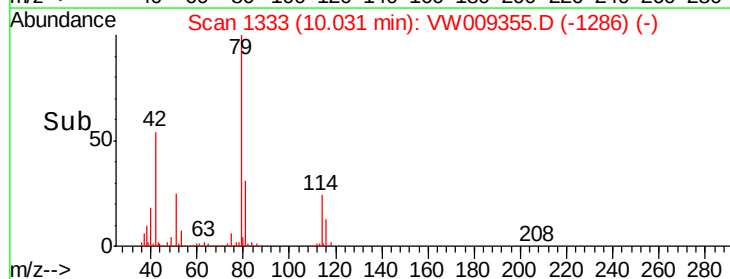
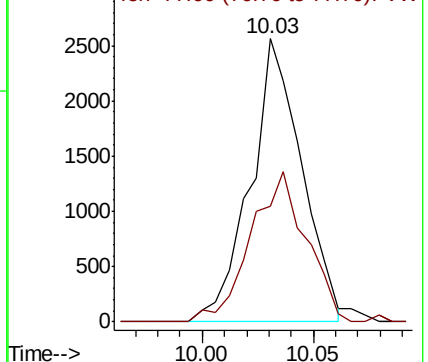
75 100

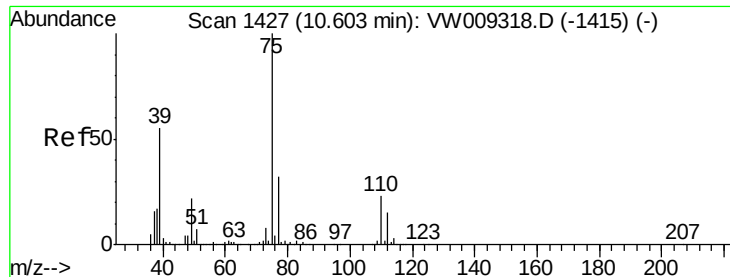
77 40.7 21.6 40.2#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#45

trans-1,3-Dichloropropene

Concen: 0.562 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW009355.D

Acq: 22 Mar 2019 18:16

Instrument :

MSVOA_W

ClientSampleId :

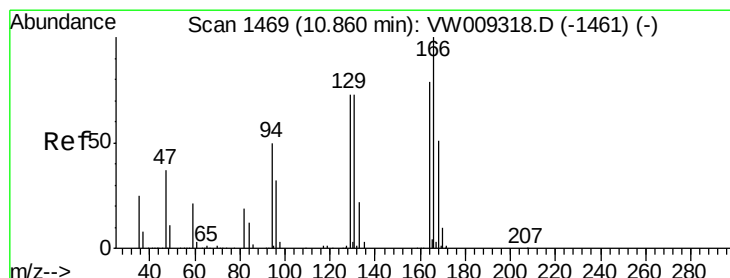
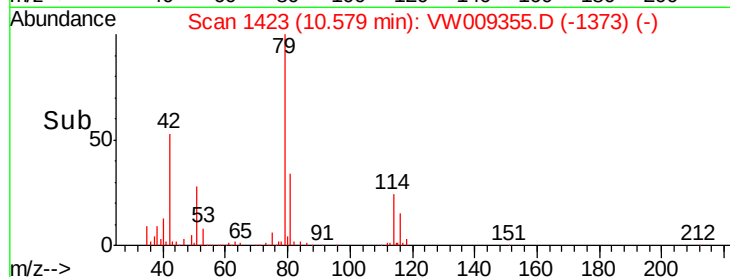
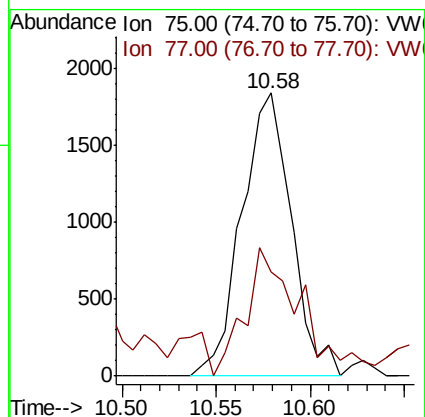
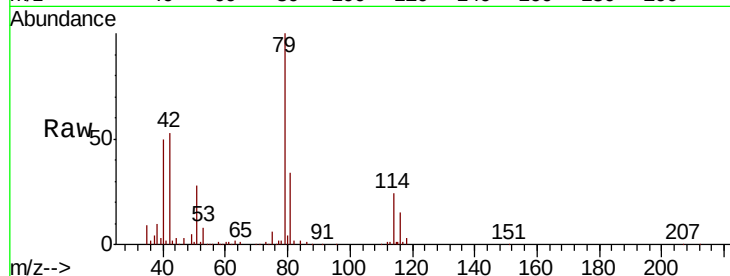
BF0F1

Tgt Ion: 75 Resp: 3367

Ion Ratio Lower Upper

75 100

77 36.9 22.5 41.7



#47

Tetrachloroethene

Concen: 0.280 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009355.D

Acq: 22 Mar 2019 18:16

Tgt Ion: 164 Resp: 1038

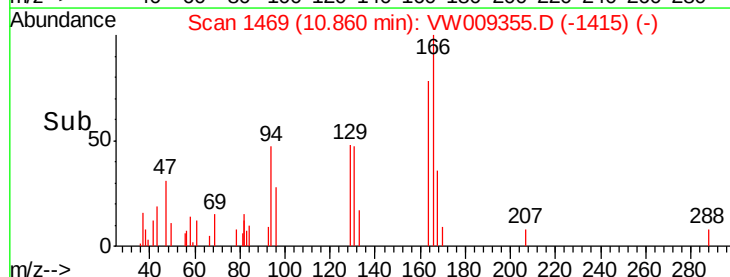
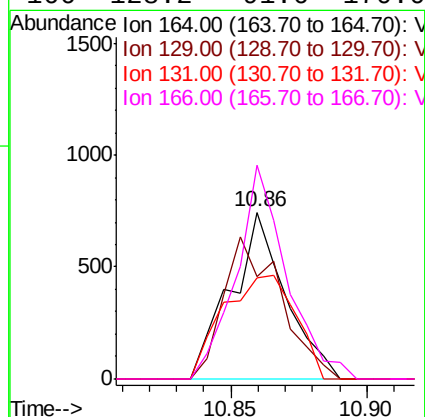
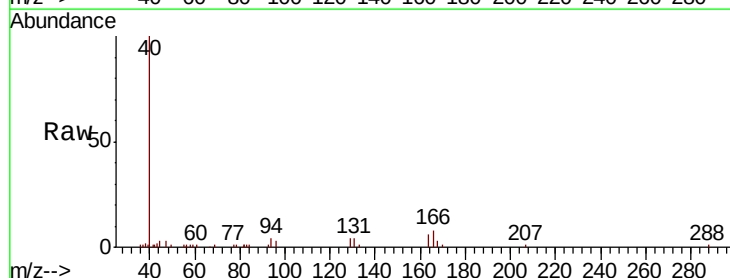
Ion Ratio Lower Upper

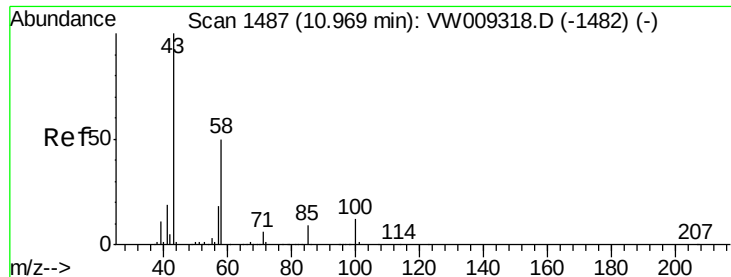
164 100

129 61.6 66.5 123.5#

131 60.6 62.6 116.3#

166 128.2 91.6 170.0





#49

2-Hexanone

Concen: 3.934 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW009355.D

Acq: 22 Mar 2019 18:16

Instrument :

MSVOA_W

ClientSampleId :

BF0F1

Tgt Ion: 43 Resp: 10623

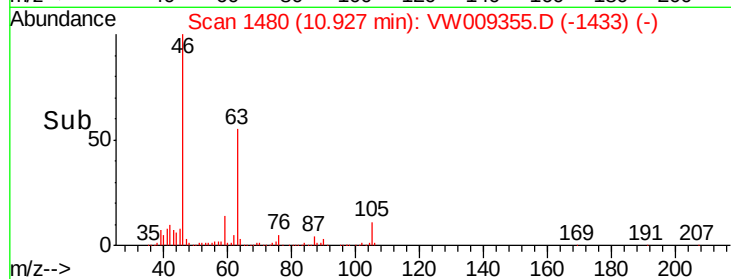
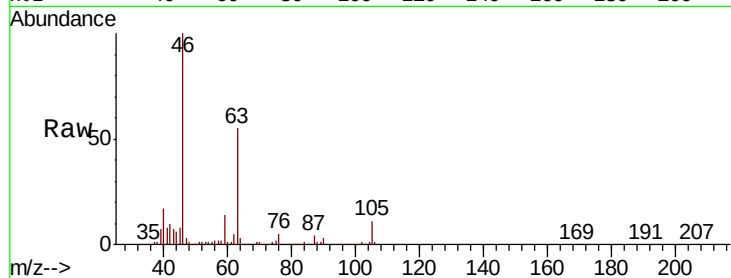
Ion Ratio Lower Upper

43 100

58 28.8 39.2 58.8#

57 27.8 14.2 21.2#

100 5.9 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW

