

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040819\
 Data File : VW009824.D
 Acq On : 09 Apr 2019 02:20
 Operator : SY/VA
 Sample : K2273-01
 Misc : 4.93G/10ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFC51

Quant Time: Apr 09 05:27:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 09 02:37:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	85329	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	91376	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	34639	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	28094	25.16	ug/L	-0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.64%
7) Chloroethane-d5	2.89	69	27909	27.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.12%
10) 1,1-Dichloroethene-d2	4.00	63	50807	21.16	ug/L	-0.02
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.64%
20) 2-Butanone-d5	7.08	46	42868	118.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	236.48%#
24) Chloroform-d	7.64	84	80249	34.47	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	137.88%
26) 1,2-Dichloroethane-d4	8.30	65	63641	44.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	178.08%#
29) Benzene-d6	8.27	84	133409	27.81	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	111.24%
33) 1,2-Dichloropropane-d6	9.27	67	48920	33.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	132.08%#
37) Toluene-d8	10.32	98	101597	22.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.64%
38) trans-1,3-Dichloropropene-	10.58	79	17988	25.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.84%
39) 2-Hexanone-d5	10.93	63	23173	82.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	165.96%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	62808	45.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	182.40%#
61) 1,2-Dichlorobenzene-d4	13.86	152	38269	31.48	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	125.92%#

Target Compounds

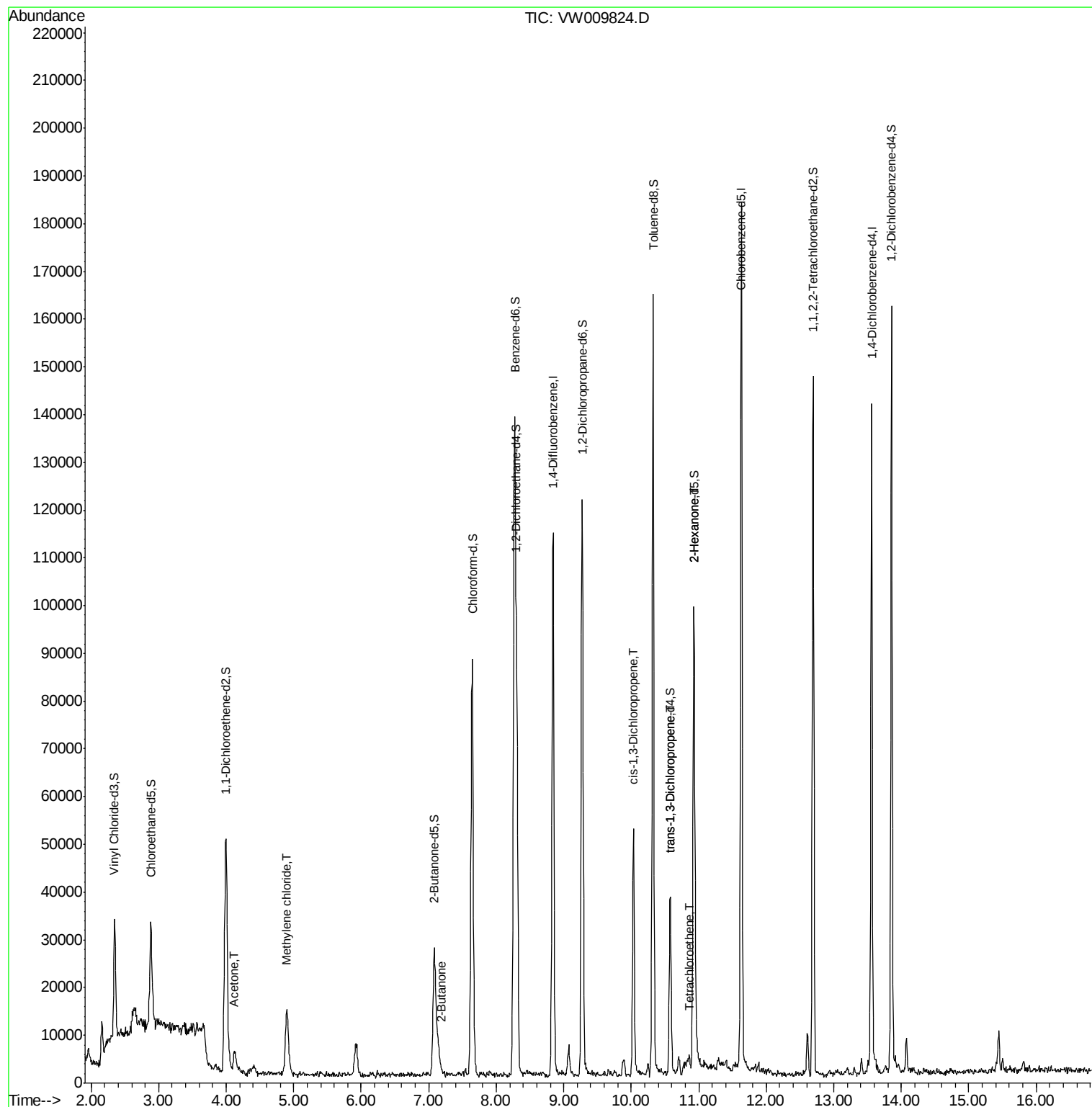
					Qvalue
13) Acetone	4.12	43	6791	17.483 ug/L	79
16) Methylene chloride	4.90	84	9194	6.109 ug/L	91
21) 2-Butanone	7.19	43	563	1.140 ug/L	77
42) cis-1,3-Dichloropropene	10.04	75	1676	0.769 ug/L	93
45) trans-1,3-Dichloropropene	10.57	75	957	0.509 ug/L #	77
47) Tetrachloroethene	10.86	164	378	0.334 ug/L #	44
49) 2-Hexanone	10.93	43	8113	9.967 ug/L #	80

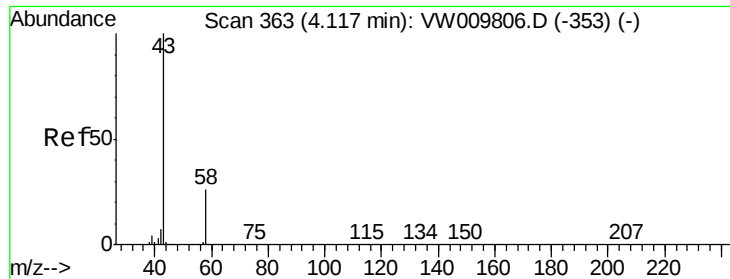
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 17.483 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW009824.D

Acq: 09 Apr 2019 02:20

Instrument :

MSVOA_W

ClientSampled :

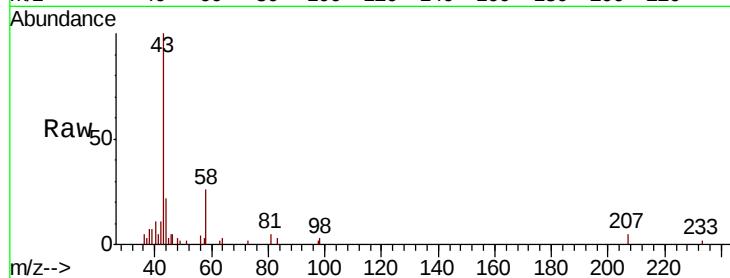
BFC51

Tgt Ion: 43 Resp: 6791

Ion Ratio Lower Upper

43 100

58 16.0 0.0 53.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

3000

2500

2000

1500

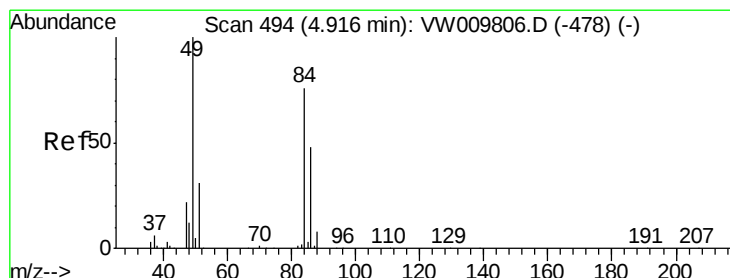
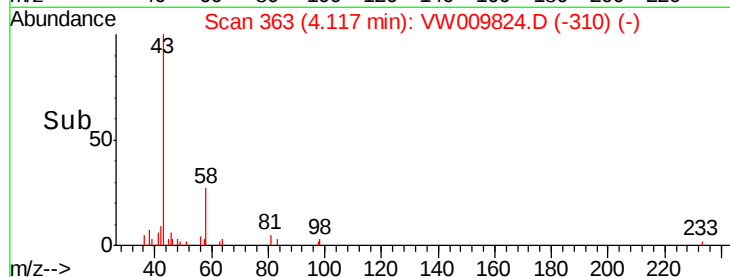
1000

500

0

4.05 4.10 4.15 4.20

Time-->



#16

Methylene chloride

Concen: 6.109 ug/L

RT: 4.90 min Scan# 491

Delta R.T. -0.02 min

Lab File: VW009824.D

Acq: 09 Apr 2019 02:20

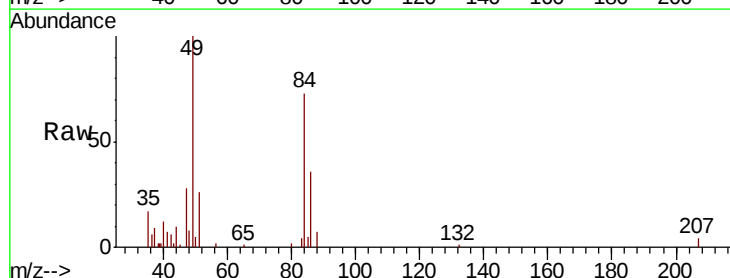
Tgt Ion: 84 Resp: 9194

Ion Ratio Lower Upper

84 100

49 136.6 98.3 182.5

86 48.6 46.4 86.2



Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

5000

4000

3000

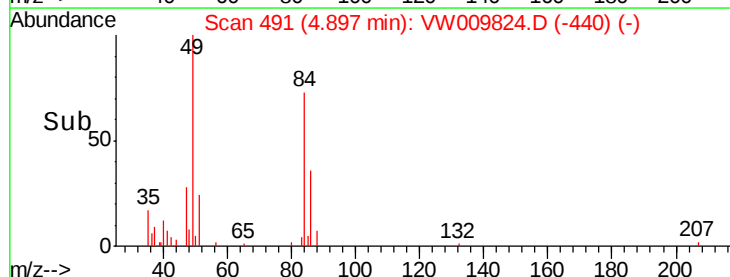
2000

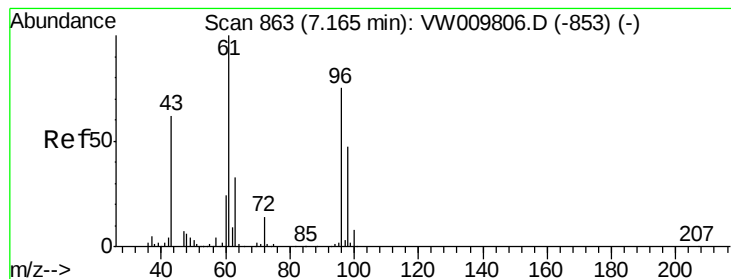
1000

0

4.80 4.85 4.90 4.95

Time-->





#21

2-Butanone

Concen: 1.140 ug/L

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW009824.D

Acq: 09 Apr 2019 02:20

Instrument :

MSVOA_W

ClientSampleId :

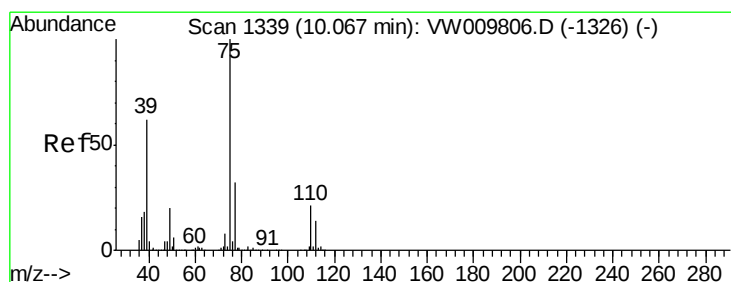
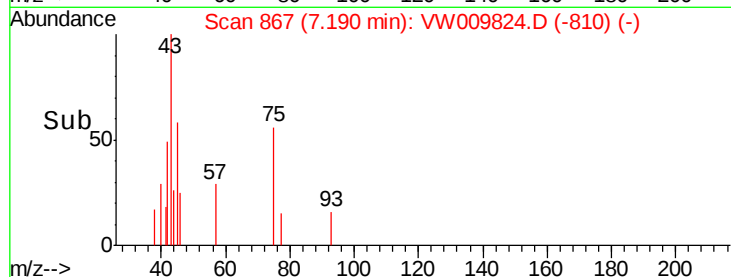
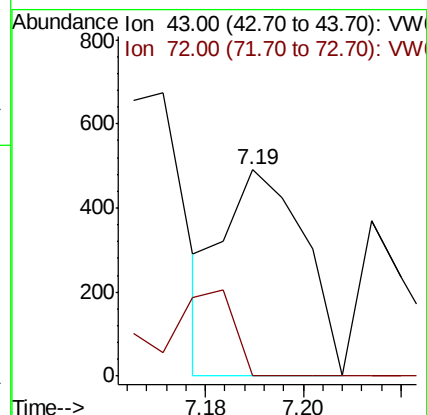
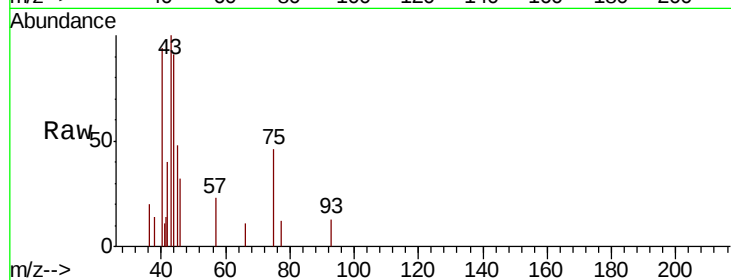
BFC51

Tgt Ion: 43 Resp: 563

Ion Ratio Lower Upper

43 100

72 35.7 12.0 36.1



#42

cis-1,3-Dichloropropene

Concen: 0.769 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW009824.D

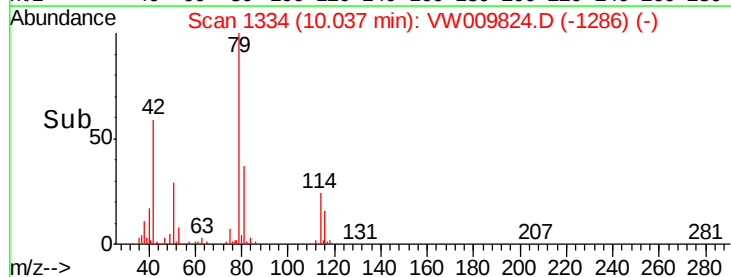
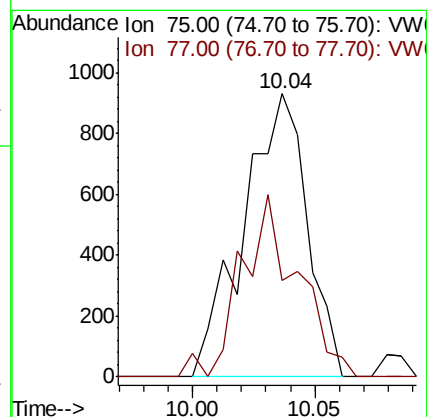
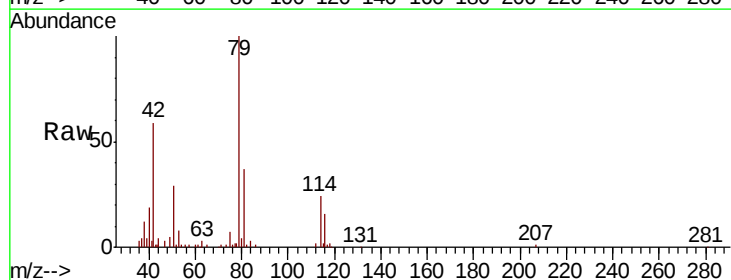
Acq: 09 Apr 2019 02:20

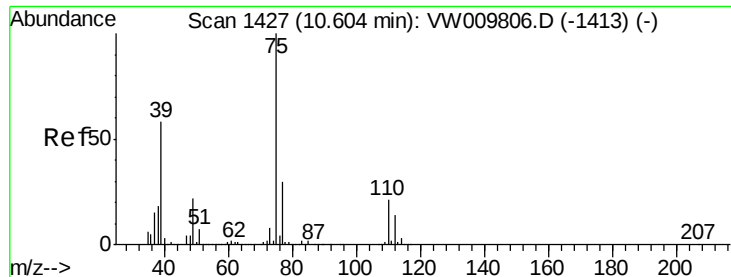
Tgt Ion: 75 Resp: 1676

Ion Ratio Lower Upper

75 100

77 34.0 21.0 39.0





#45

trans-1,3-Dichloropropene

Concen: 0.509 ug/L

RT: 10.57 min Scan# 1422

Delta R.T. -0.03 min

Lab File: VW009824.D

Acq: 09 Apr 2019 02:20

Instrument :

MSVOA_W

ClientSampled :

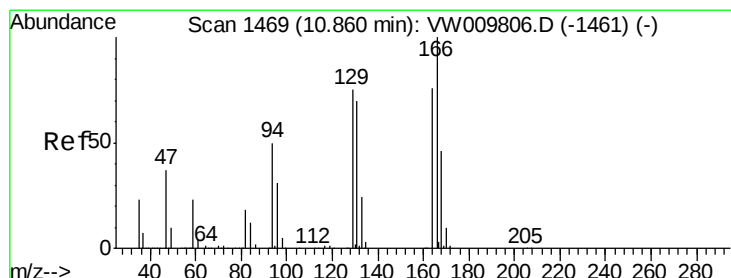
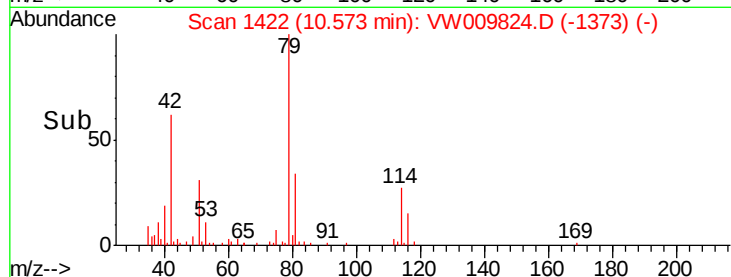
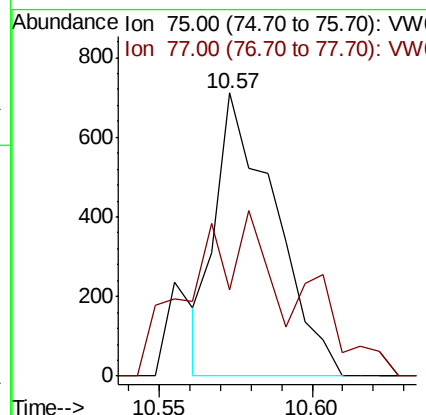
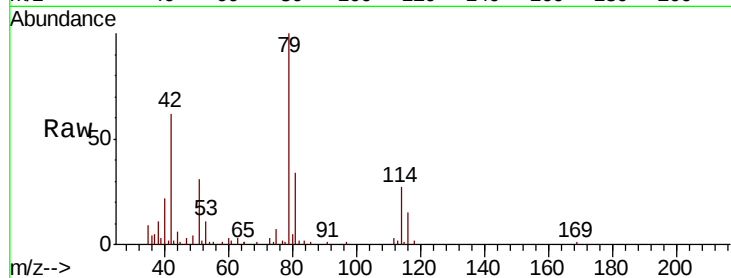
BFC51

Tgt Ion: 75 Resp: 957

Ion Ratio Lower Upper

75 100

77 42.6 21.1 39.3#



#47

Tetrachloroethene

Concen: 0.334 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009824.D

Acq: 09 Apr 2019 02:20

Tgt Ion: 164 Resp: 378

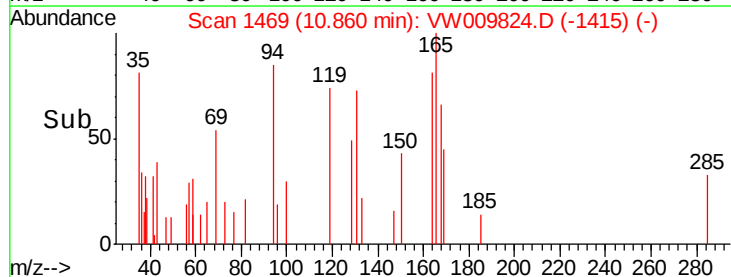
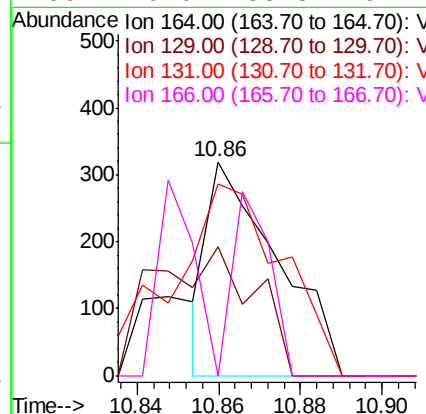
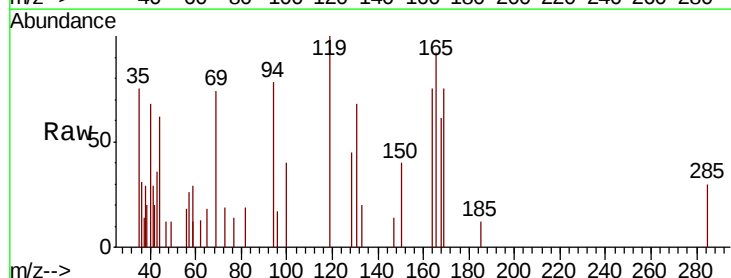
Ion Ratio Lower Upper

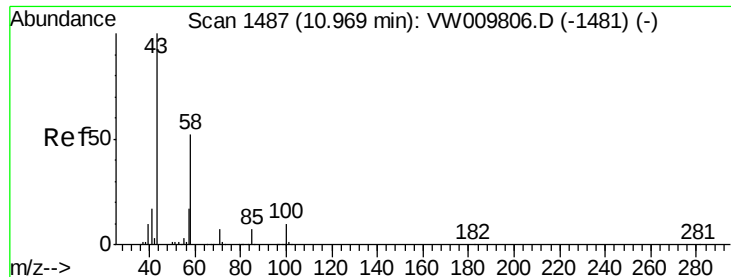
164 100

129 60.5 68.9 127.9#

131 90.0 63.1 117.1

166 0.0 88.5 164.4#





#49

2-Hexanone

Concen: 9.967 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW009824.D

Acq: 09 Apr 2019 02:20

Instrument :

MSVOA_W

ClientSampleId :

BFC51

Tgt Ion: 43 Resp: 8113

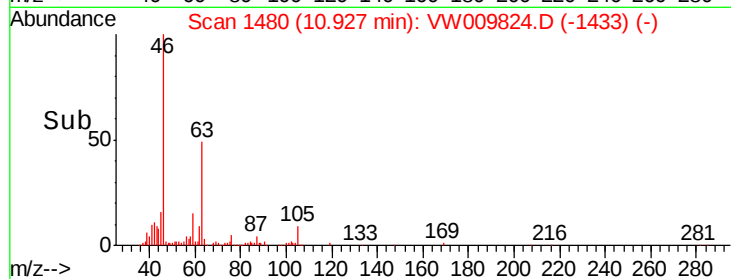
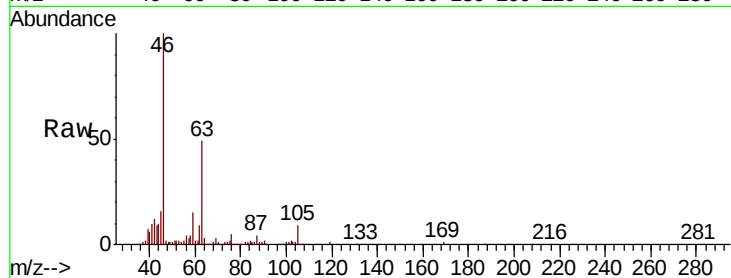
Ion Ratio Lower Upper

43 100

58 33.2 38.9 58.3#

57 23.8 13.8 20.6#

100 6.2 8.6 13.0#



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

