

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032719\
 Data File : VW009517.D
 Acq On : 27 Mar 2019 23:38
 Operator : SY/VA
 Sample : K2068-11
 Misc : 5.74G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF5K7

Quant Time: Mar 28 07:46:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 28 07:41:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	357628	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	323669	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	120420	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	75202	17.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.40%
7) Chloroethane-d5	2.89	69	87903	17.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.32%
10) 1,1-Dichloroethene-d2	4.17	63	219	0.02	ug/L	0.15
Spiked Amount	25.000	Range	45 - 110	Recovery	=	0.08%#
20) 2-Butanone-d5	7.07	46	81518	46.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.24%
24) Chloroform-d	7.64	84	233720	23.95	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	8.12	65	72	0.01	ug/L	-0.18
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.04%#
29) Benzene-d6	8.27	84	390906	21.90	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.60%
33) 1,2-Dichloropropane-d6	9.27	67	133397	24.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.52%
37) Toluene-d8	10.32	98	320338	19.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	77.64%
38) trans-1,3-Dichloropropene-	10.57	79	50238	18.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	74.64%
39) 2-Hexanone-d5	10.93	63	52492	40.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.86%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	129503	24.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.12%
61) 1,2-Dichlorobenzene-d4	13.85	152	110053	23.83	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.32%

Target Compounds

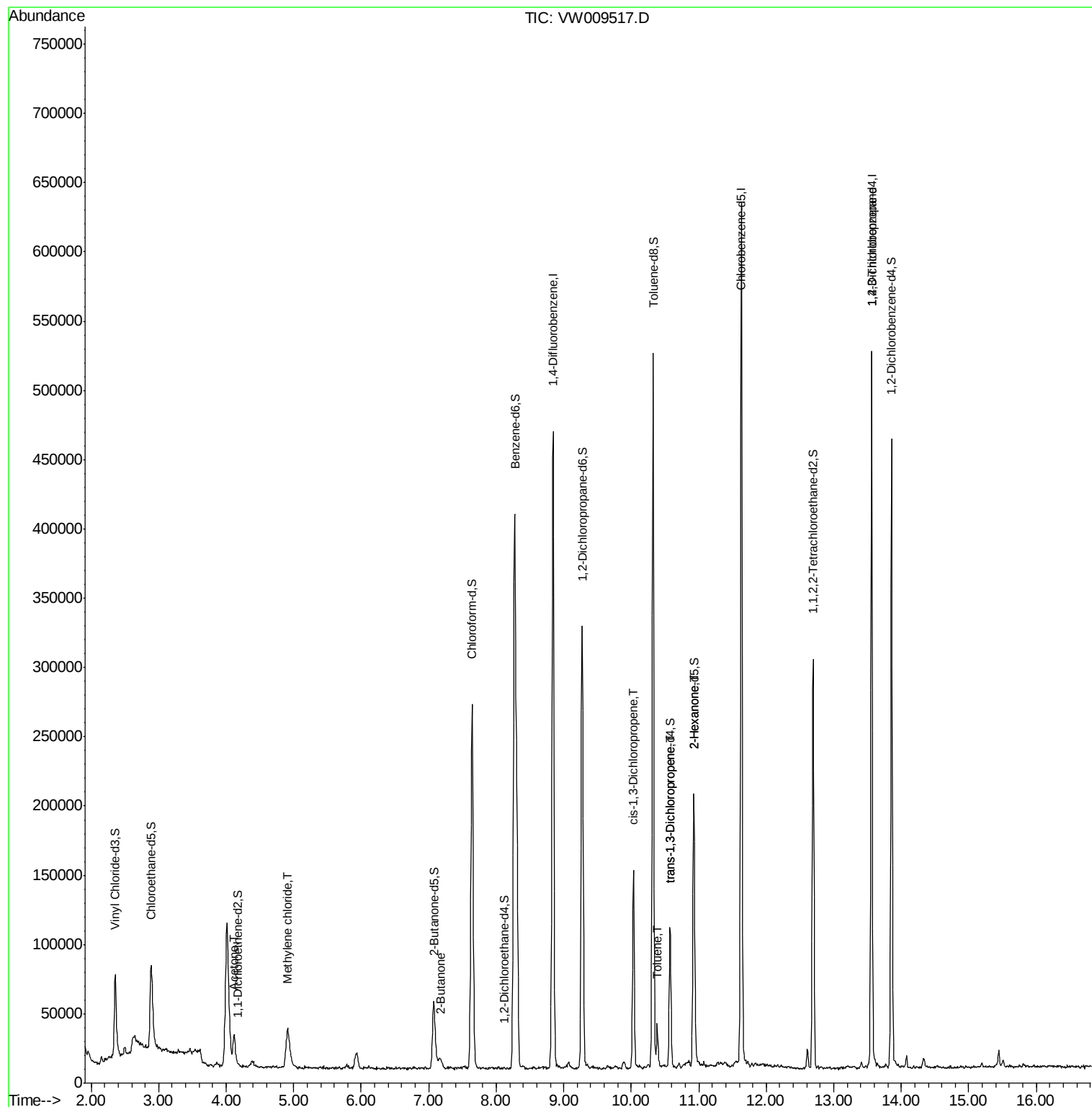
					Ovalue
13) Acetone	4.12	43	35640	24.590	ug/L 95
16) Methylene chloride	4.91	84	23510	4.508	ug/L 86
21) 2-Butanone	7.18	43	11267	5.630	ug/L 90
42) cis-1,3-Dichloropropene	10.04	75	4250	0.574	ug/L # 71
44) Toluene	10.39	91	20162	1.041	ug/L 90
45) trans-1,3-Dichloropropene	10.58	75	2787	0.433	ug/L # 80
49) 2-Hexanone	10.93	43	10972	3.782	ug/L # 78
59) 1,2,3-Trichloropropane	13.56	75	17271	4.756	ug/L 92

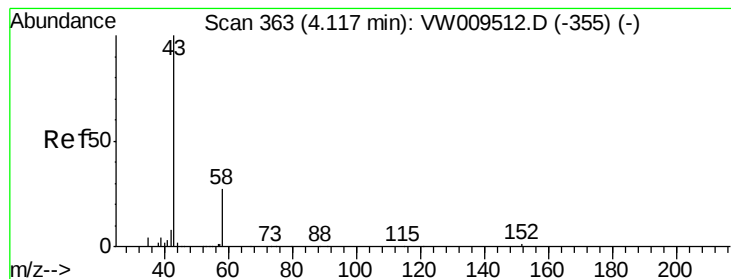
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 28 07:41:43 2019
Response via : Initial Calibration





#13

Acetone

Concen: 24.590 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW009517.D

Acq: 27 Mar 2019 23:38

Instrument :

MSVOA_W

ClientSampled :

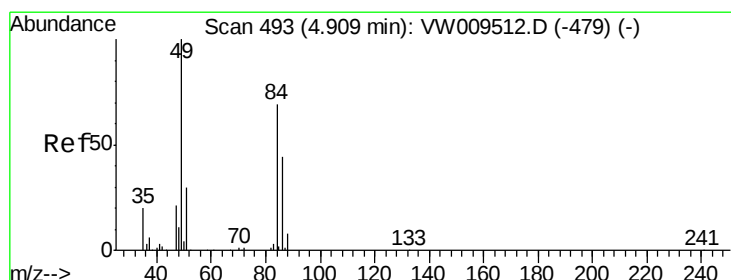
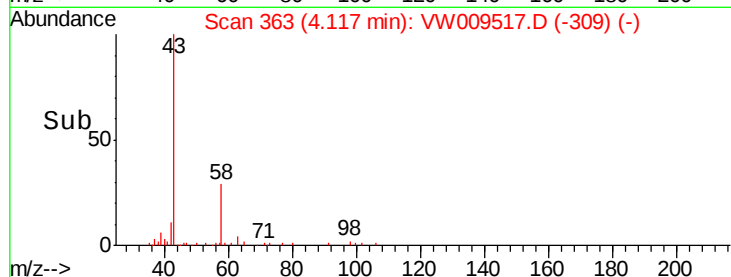
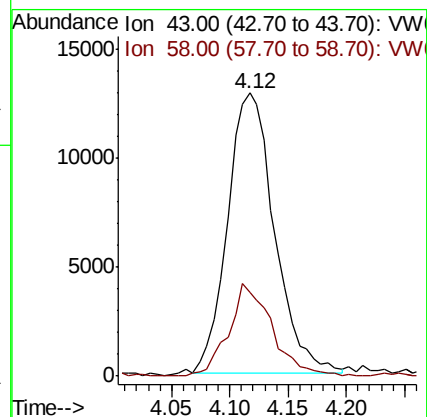
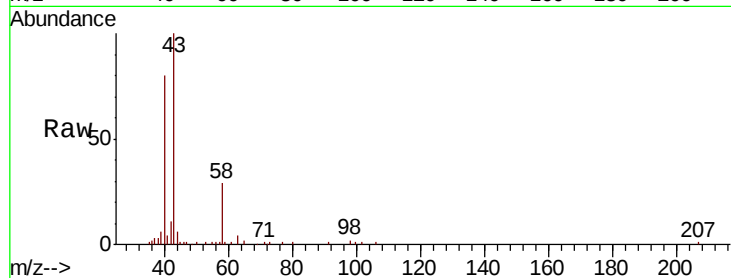
BF5K7

Tot Ion: 43 Resp: 35640

Ion Ratio Lower Upper

43 100

58 30.7 0.0 56.2



#16

Methylene chloride

Concen: 4.508 ug/L

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW009517.D

Acq: 27 Mar 2019 23:38

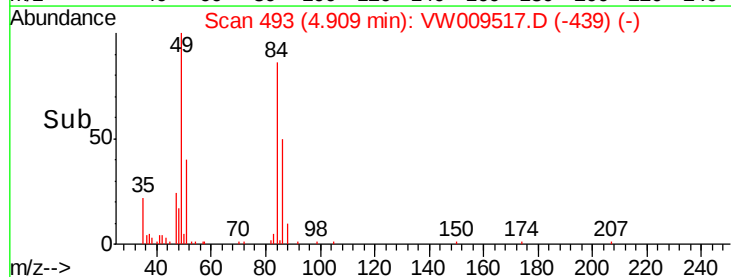
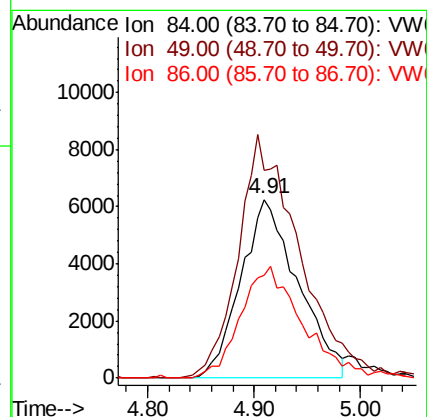
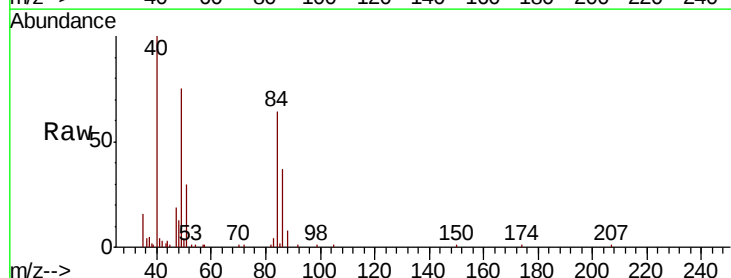
Tgt Ion: 84 Resp: 23510

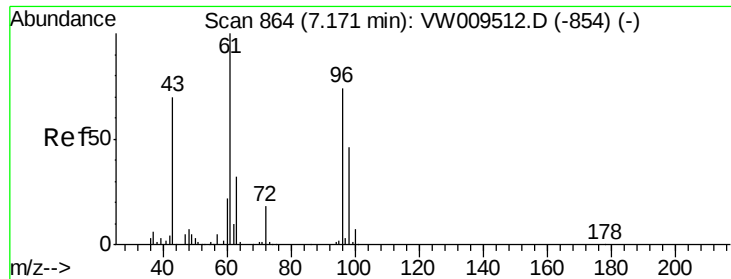
Ion Ratio Lower Upper

84 100

49 116.4 96.0 178.2

86 57.8 44.4 82.5





#21

2-Butanone

Concen: 5.630 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW009517.D

Acq: 27 Mar 2019 23:38

Instrument :

MSVOA_W

ClientSampled :

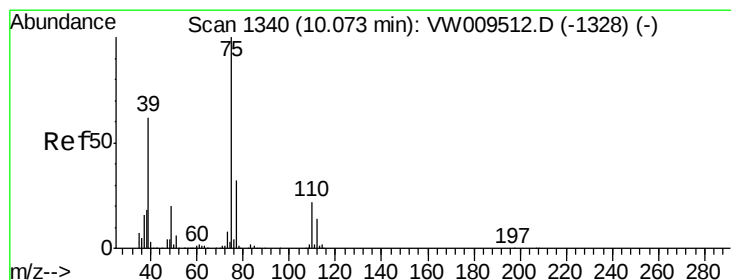
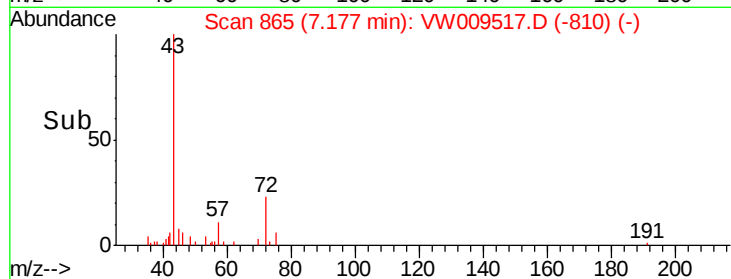
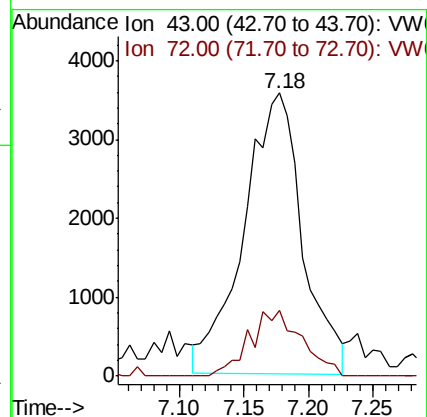
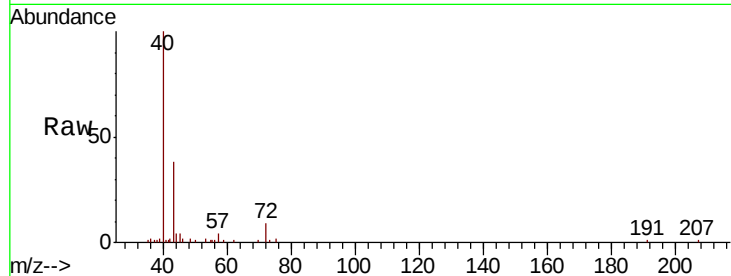
BF5K7

Tot Ion: 43 Resp: 11267

Ion Ratio Lower Upper

43 100

72 20.8 13.1 39.1



#42

cis-1,3-Dichloropropene

Concen: 0.574 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW009517.D

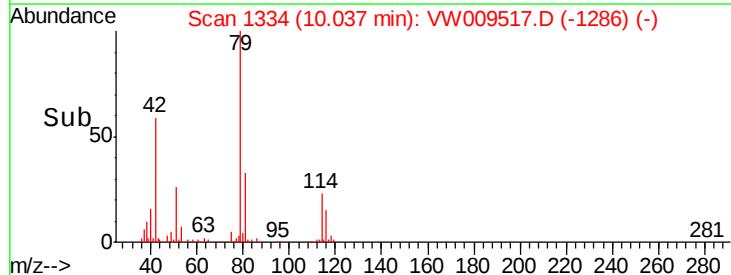
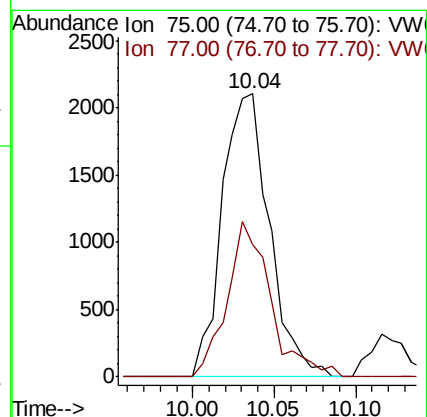
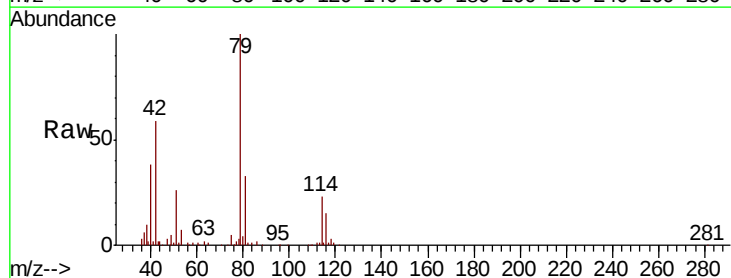
Acq: 27 Mar 2019 23:38

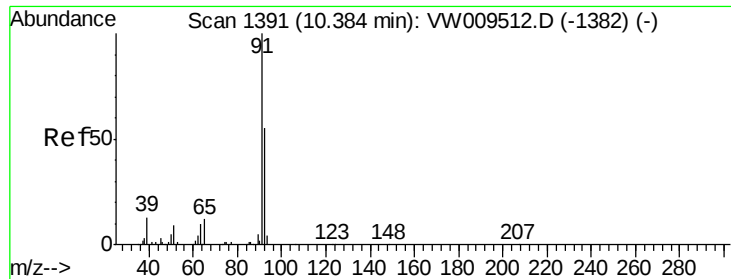
Tgt Ion: 75 Resp: 4250

Ion Ratio Lower Upper

75 100

77 46.7 21.6 40.2#





#44

Toluene

Concen: 1.041 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW009517.D

Acq: 27 Mar 2019 23:38

Instrument :

MSVOA_W

ClientSampleId :

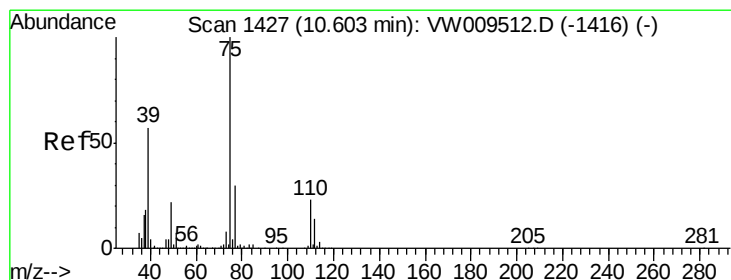
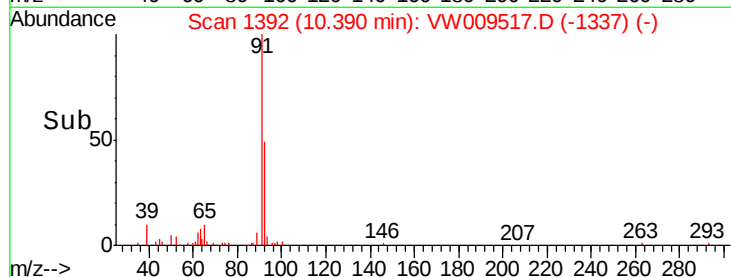
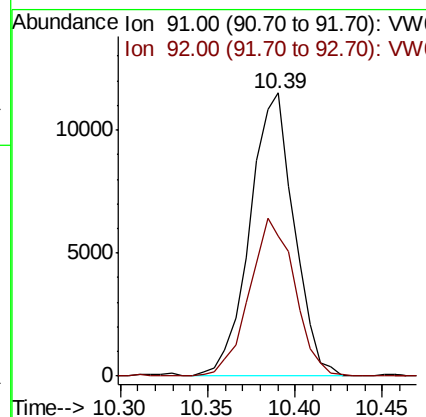
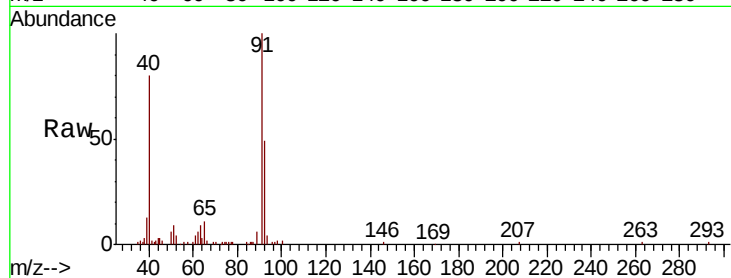
BF5K7

Tot Ion: 91 Resp: 20162

Ion Ratio Lower Upper

91 100

92 49.3 39.8 73.8



#45

trans-1,3-Dichloropropene

Concen: 0.433 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW009517.D

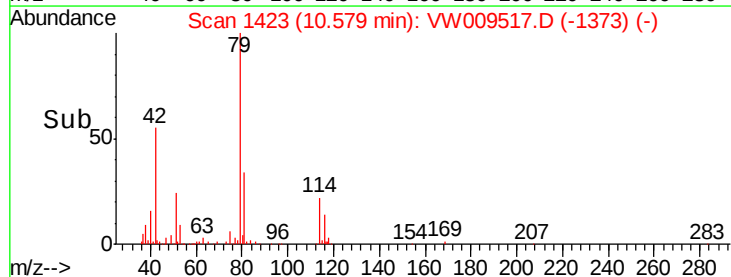
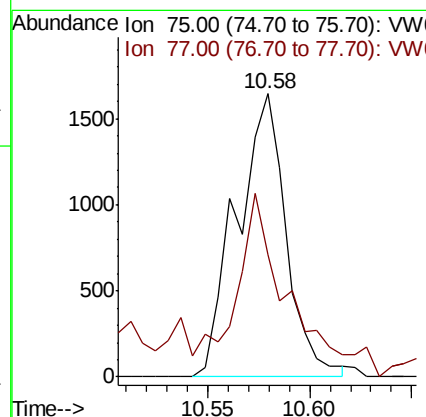
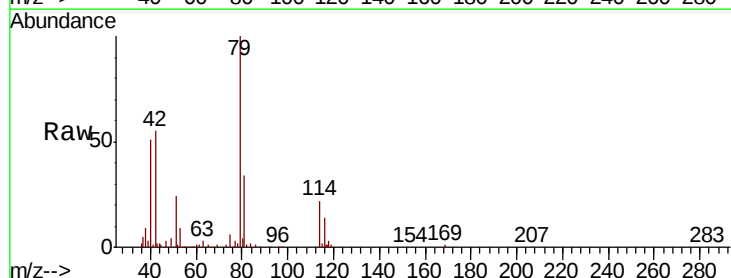
Acq: 27 Mar 2019 23:38

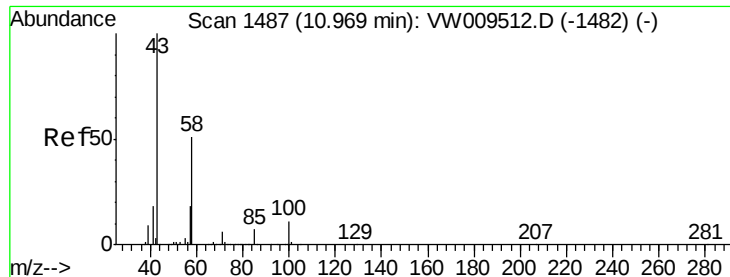
Tgt Ion: 75 Resp: 2787

Ion Ratio Lower Upper

75 100

77 43.4 22.5 41.7#





#49

2-Hexanone

Concen: 3.782 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW009517.D

Acq: 27 Mar 2019 23:38

Instrument :

MSVOA_W

ClientSampleId :

BF5K7

Tot Ion: 43 Resp: 10972

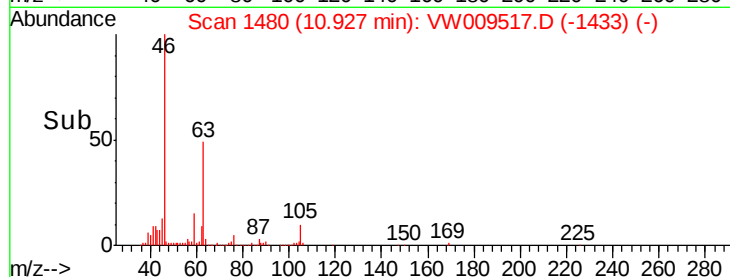
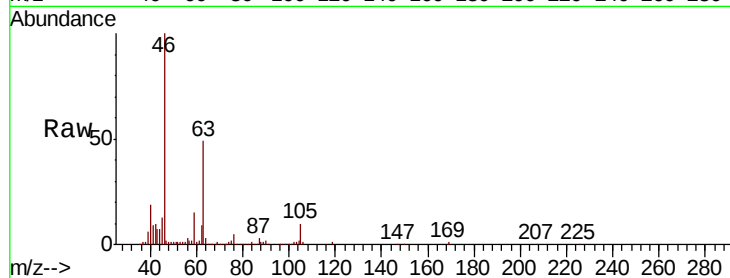
Ion Ratio Lower Upper

43 100

58 33.5 39.2 58.8#

57 26.7 14.2 21.2#

100 2.6 8.9 13.3#

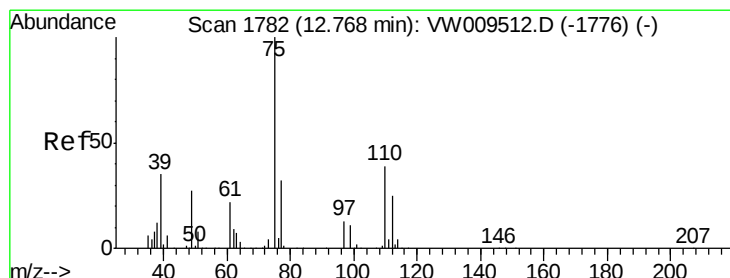
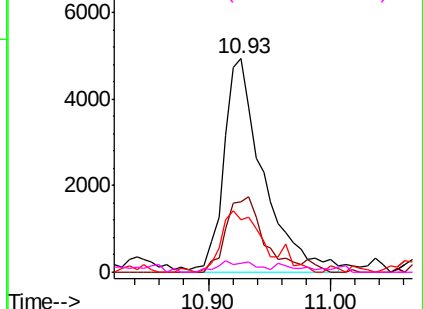


Abundance Ion 43.00 (42.70 to 43.70): VW

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



#59

1,2,3-Trichloropropane

Concen: 4.756 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW009517.D

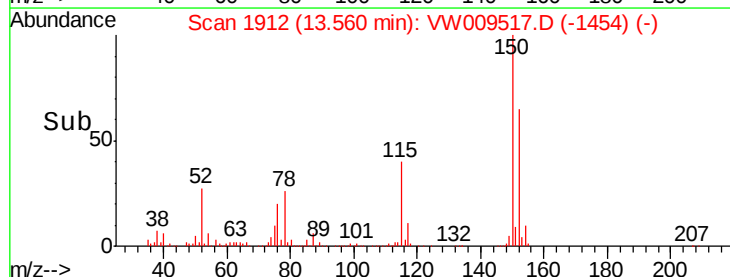
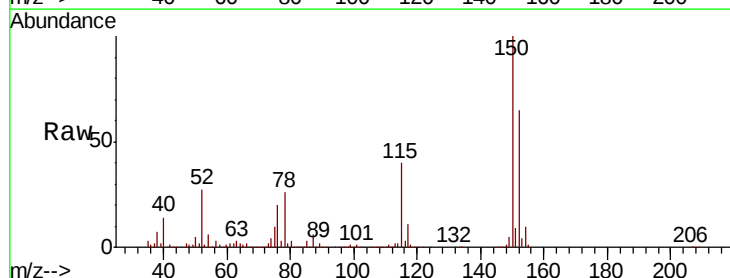
Acq: 27 Mar 2019 23:38

Tgt Ion: 75 Resp: 17271

Ion Ratio Lower Upper

75 100

77 37.2 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

