

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032219\
 Data File : VW009349.D
 Acq On : 22 Mar 2019 15:32
 Operator : SY/VA
 Sample : K2017-14
 Misc : 4.78G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF0E0

Quant Time: Mar 23 00:18:08 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	353362	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	329949	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	143469	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	86082	20.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.56%
7) Chloroethane-d5	2.89	69	86731	17.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.20%
10) 1,1-Dichloroethene-d2	4.01	63	137586	15.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	60.32%
20) 2-Butanone-d5	7.08	46	60202	34.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	68.94%
24) Chloroform-d	7.64	84	207168	21.48	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.92%
26) 1,2-Dichloroethane-d4	8.30	65	122521	21.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.36%
29) Benzene-d6	8.27	84	374445	20.58	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	82.32%
33) 1,2-Dichloropropane-d6	9.27	67	118237	21.63	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.52%
37) Toluene-d8	10.32	98	319817	19.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	76.04%
38) trans-1,3-Dichloropropene-	10.57	79	48998	17.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	71.40%
39) 2-Hexanone-d5	10.93	63	42059	31.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	63.54%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	103198	19.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	76.68%
61) 1,2-Dichlorobenzene-d4	13.86	152	114959	20.90	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.60%

Target Compounds

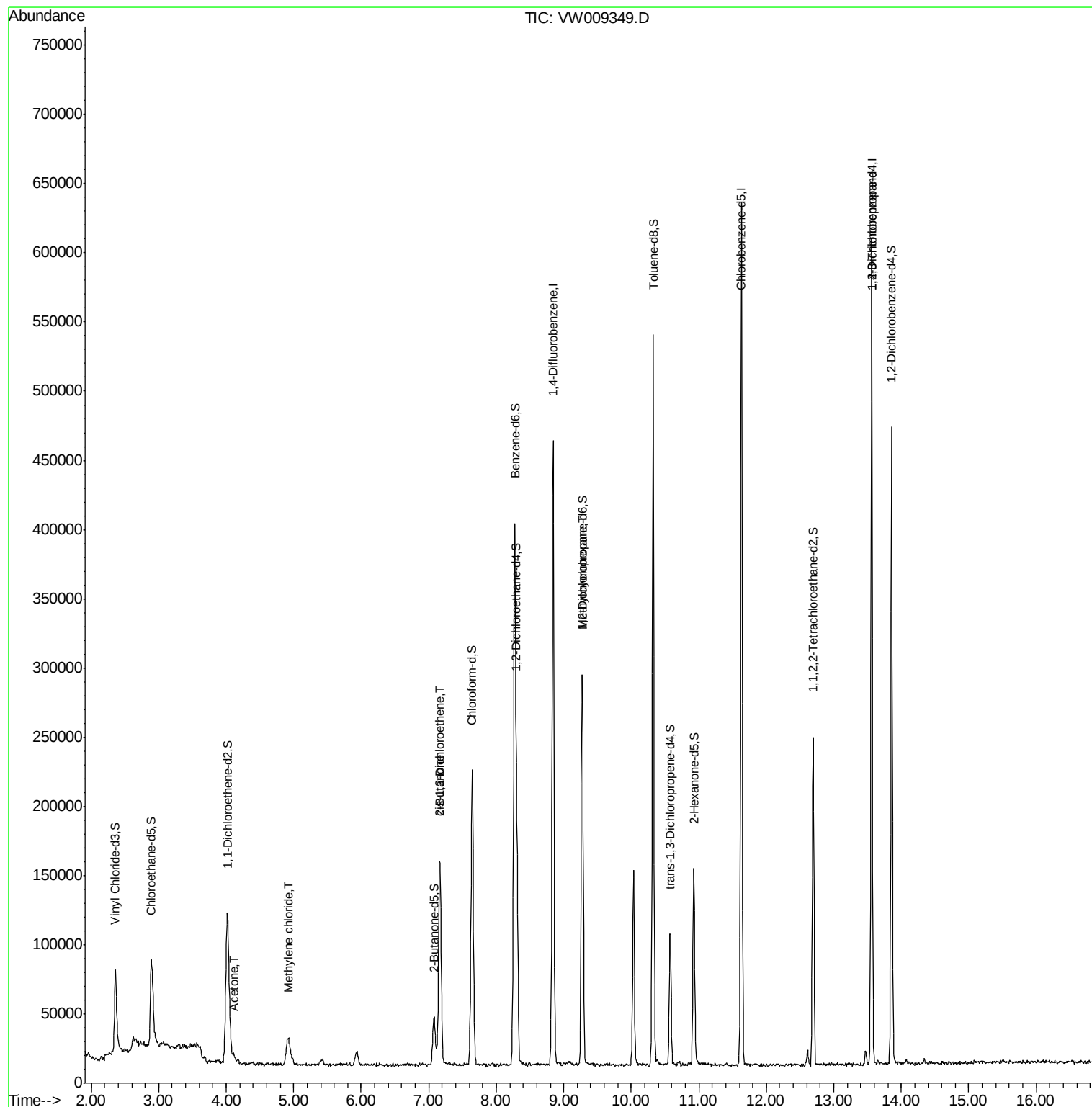
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acetone	4.12	43	5076	3.544	ug/L	70
16) Methylene chloride	4.92	84	19126	3.712	ug/L	90
21) 2-Butanone	7.17	43	1342	0.679	ug/L #	28
22) cis-1,2-Dichloroethene	7.17	96	83380	16.824	ug/L	95
36) Methylcyclohexane	9.27	83	28389	3.410	ug/L #	18
59) 1,2,3-Trichloropropane	13.56	75	18199	4.917	ug/L	92

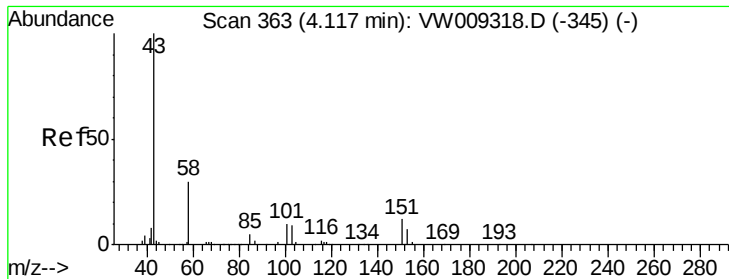
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Mar 23 00:14:14 2019
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#13

Acetone

Concen: 3.544 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW009349.D

Acq: 22 Mar 2019 15:32

Instrument :

MSVOA_W

ClientSampled :

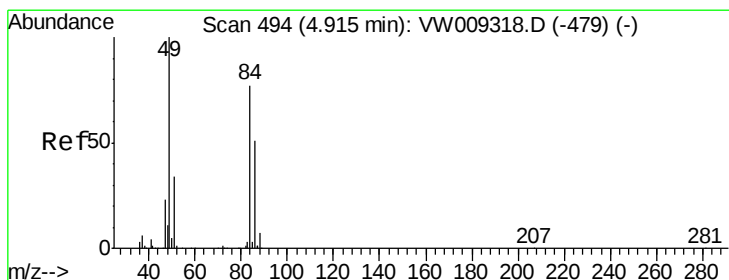
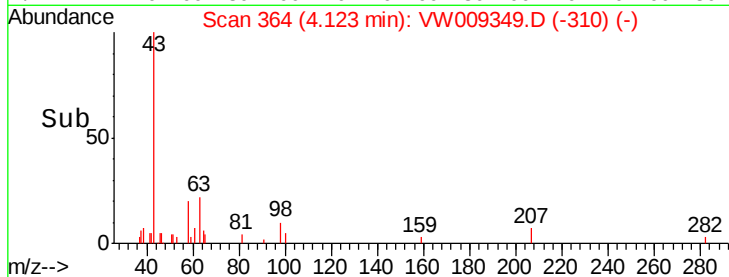
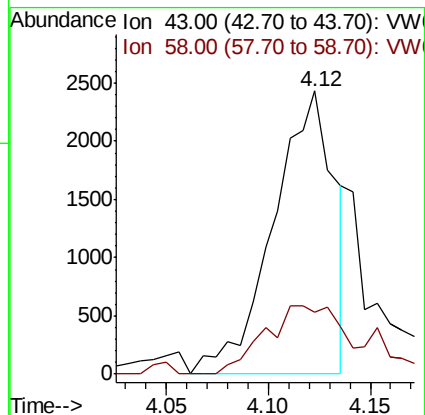
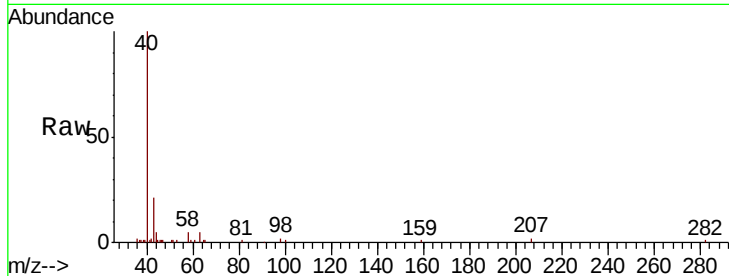
BFOE0

Tgt Ion: 43 Resp: 5076

Ion Ratio Lower Upper

43 100

58 12.3 0.0 56.2



#16

Methylene chloride

Concen: 3.712 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW009349.D

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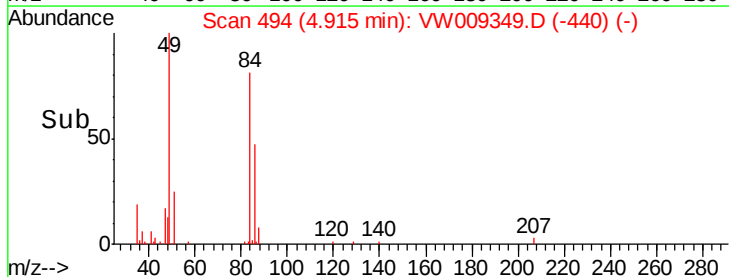
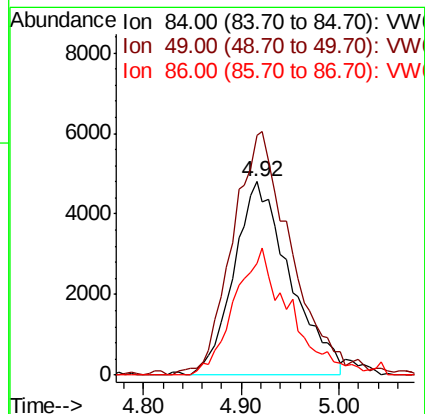
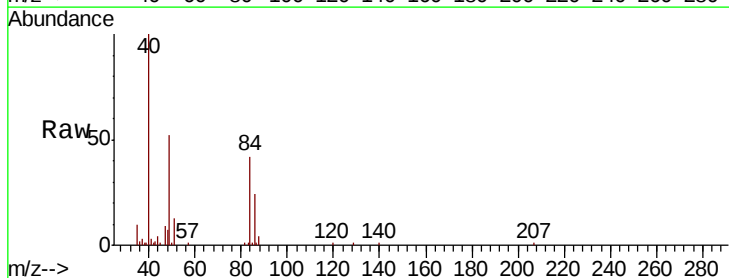
Tgt Ion: 84 Resp: 19126

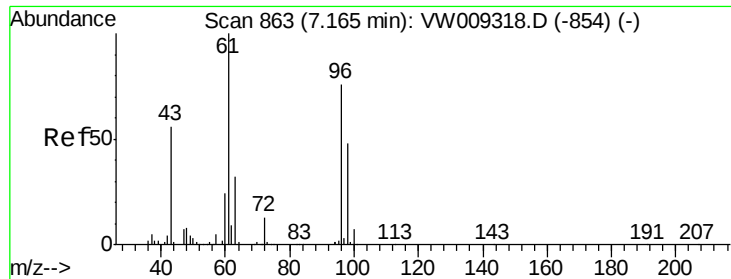
Ion Ratio Lower Upper

84 100

49 123.9 96.0 178.2

86 57.7 44.4 82.5

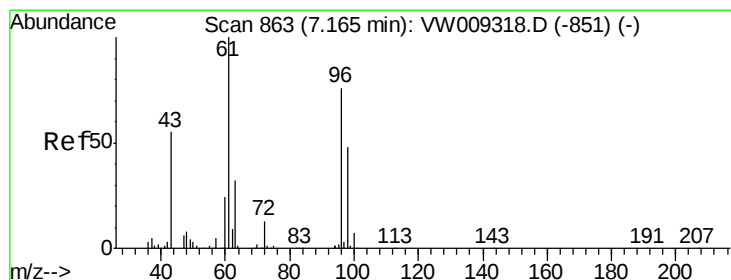
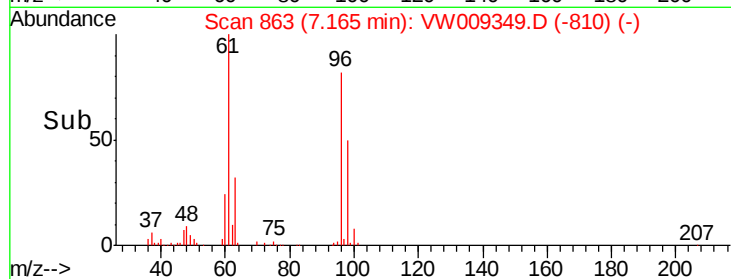
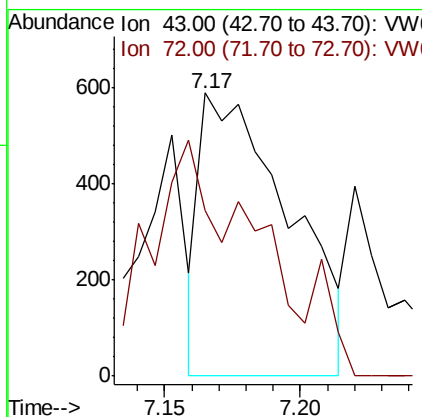
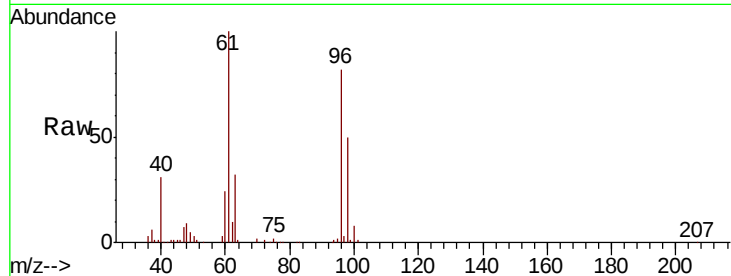




#21
 2-Butanone
 Concen: 0.679 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW009349.D
 Acq: 22 Mar 2019 15:32

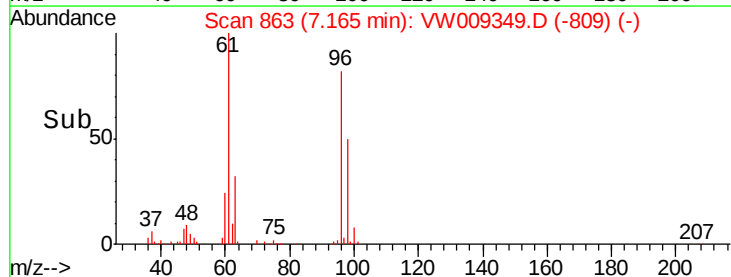
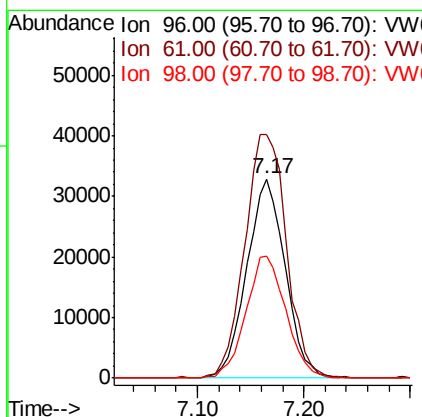
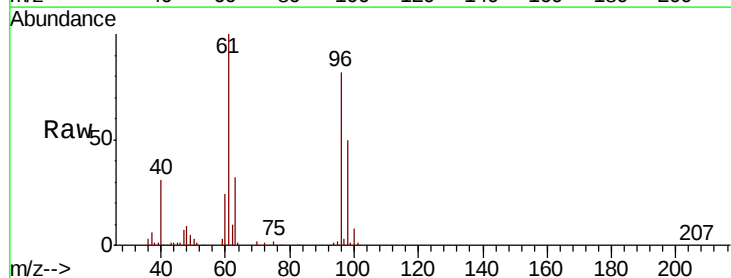
Instrument :
 MSVOA_W
 ClientSampled :
 BF0E0

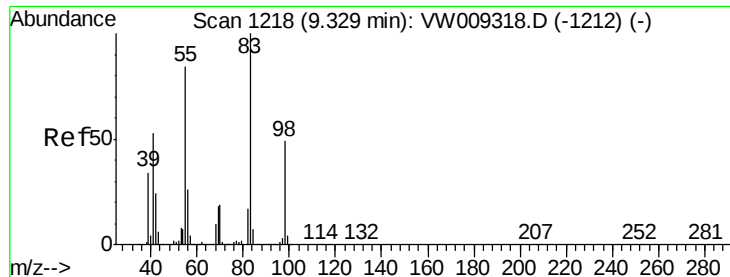
Tgt Ion: 43 Resp: 1342
 Ion Ratio Lower Upper
 43 100
 72 62.8 13.1 39.1#



#22
 cis-1,2-Dichloroethene
 Concen: 16.824 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW009349.D
 Acq: 22 Mar 2019 15:32

Tgt Ion: 96 Resp: 83380
 Ion Ratio Lower Upper
 96 100
 61 122.2 90.6 168.3
 98 61.5 44.0 81.8





#36

Methylcyclohexane

Concen: 3.410 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.06 min

Lab File: VW009349.D

Acq: 22 Mar 2019 15:32

Instrument :

MSVOA_W

ClientSampleId :

BFOE0

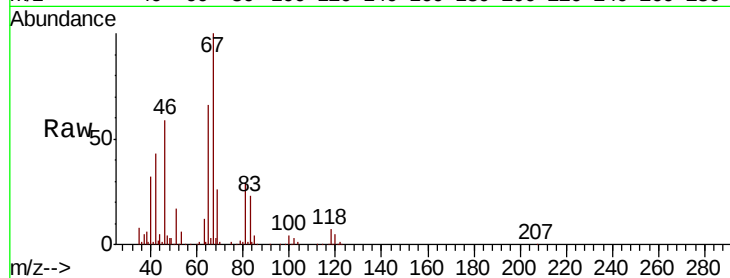
Tgt Ion: 83 Resp: 28389

Ion Ratio Lower Upper

83 100

55 0.4 63.5 95.3#

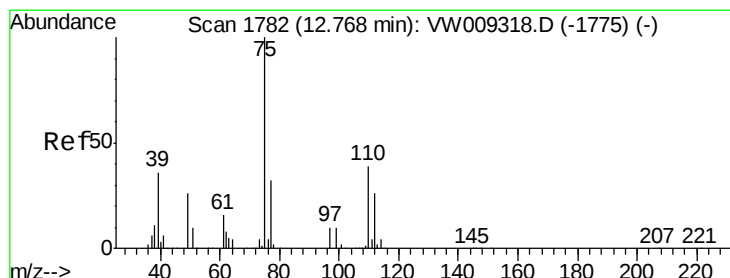
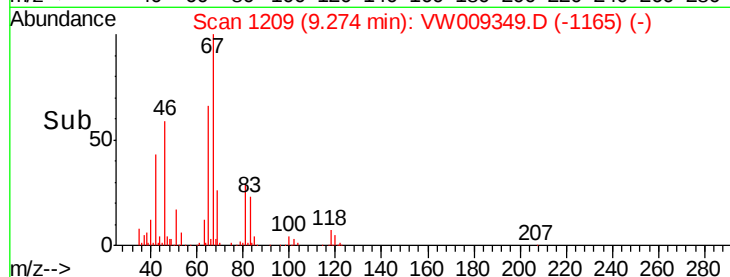
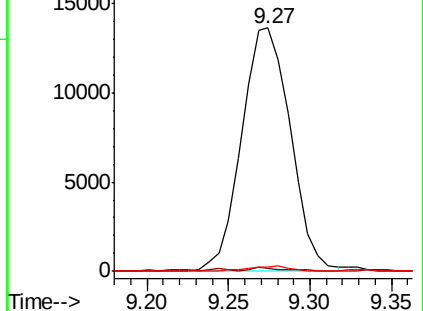
98 1.9 39.8 59.8#



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



#59

1,2,3-Trichloropropane

Concen: 4.917 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW009349.D

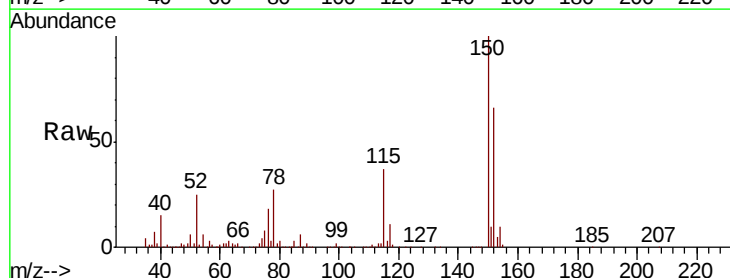
Acq: 22 Mar 2019 15:32

Tgt Ion: 75 Resp: 18199

Ion Ratio Lower Upper

75 100

77 37.4 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

