

Data File : VW014024.D
Acq On : 14 Nov 2019 16:46
Operator : SY/VA
Sample : K5798-19
Misc : 4.29G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFLX8

Quant Time: Nov 15 01:50:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 15 01:46:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	350719	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	302799	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	118851	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	108436	19.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.52%
7) Chloroethane-d5	2.89	69	94688	20.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.48%
10) 1,1-Dichloroethene-d2	4.01	63	168980	14.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	58.84%
20) 2-Butanone-d5	7.07	46	65360	40.21	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.42%
24) Chloroform-d	7.65	84	45518	4.22	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	16.88%#
26) 1,2-Dichloroethane-d4	8.31	65	128621	23.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.88%
29) Benzene-d6	8.27	84	528753	24.61	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.44%
33) 1,2-Dichloropropane-d6	9.27	67	160964	25.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.32%
37) Toluene-d8	10.32	98	451745	22.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.68%
38) trans-1,3-Dichloropropene-	10.57	79	55138	20.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.84%
39) 2-Hexanone-d5	10.92	63	44835	37.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.14%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	1263	0.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	1.08%#
61) 1,2-Dichlorobenzene-d4	13.85	152	117759	24.66	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.64%

Target Compounds

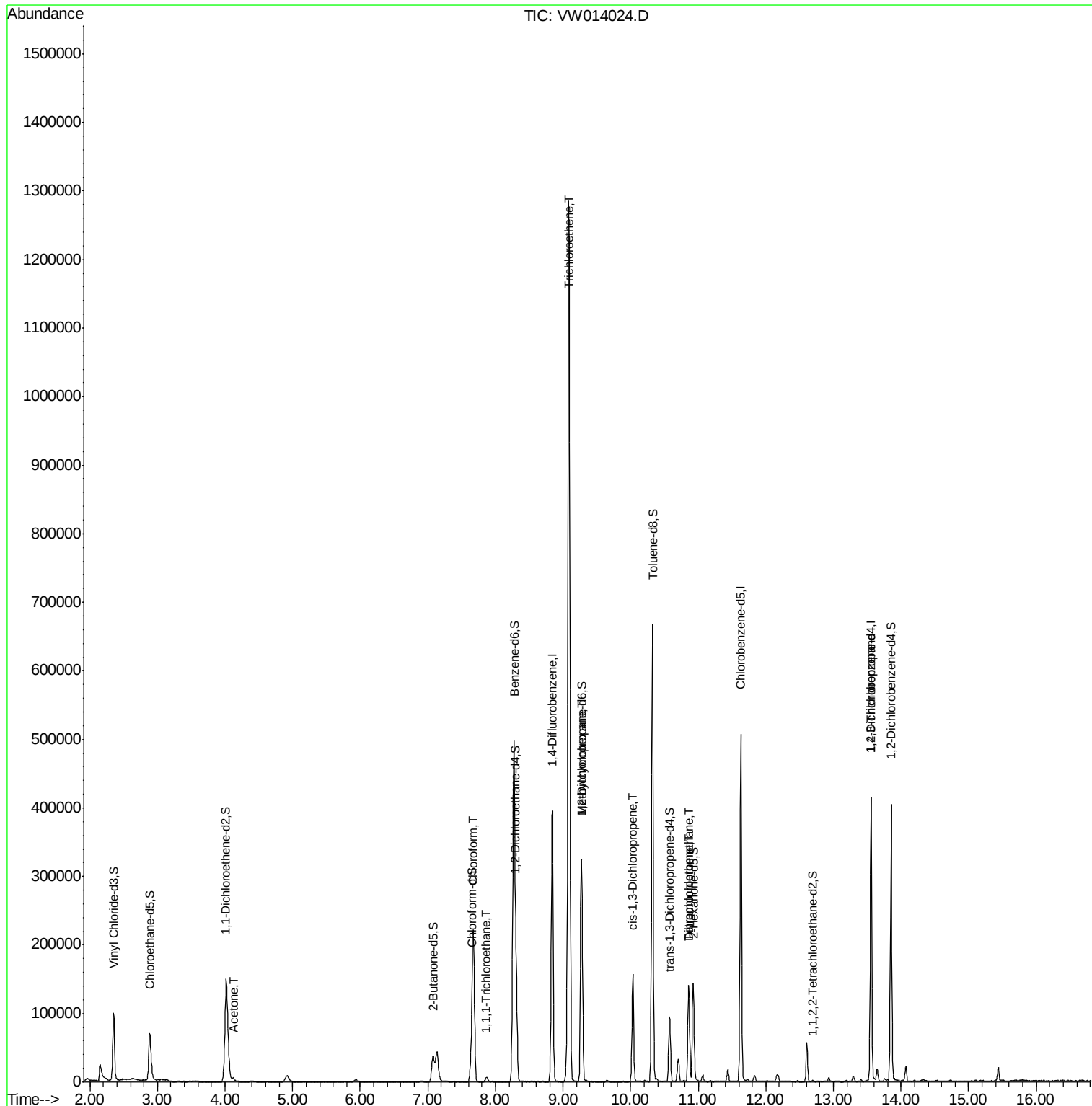
					Qvalue
13) Acetone	4.12	43	9674	5.848	ug/L 90
25) Chloroform	7.67	83	208160	20.383	ug/L 99
31) 1,1,1-Trichloroethane	7.86	97	3506	0.462	ug/L # 54
35) Trichloroethene	9.09	95	389349	65.717	ug/L 100
36) Methylcyclohexane	9.27	83	39215	3.692	ug/L # 20
42) cis-1,3-Dichloropropene	10.03	75	3454	0.409	ug/L # 32
47) Tetrachloroethene	10.86	164	34650	6.562	ug/L 95
50) Dibromochloromethane	10.86	129	30488	6.603	ug/L # 10
59) 1,2,3-Trichloropropane	13.56	75	12748	3.696	ug/L 90

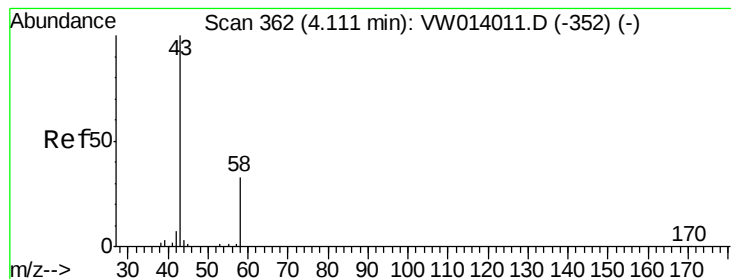
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 5.848 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW014024.D

Acq: 14 Nov 2019 16:46

Instrument :

MSVOA_W

ClientSampled :

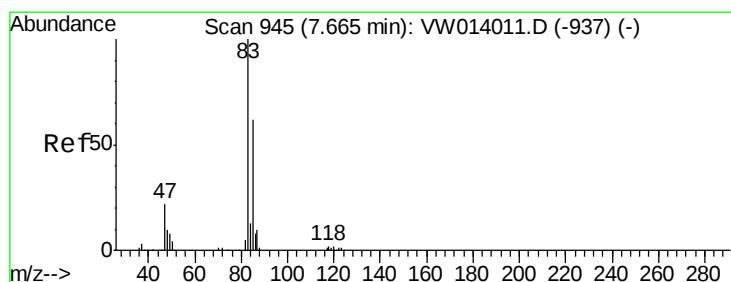
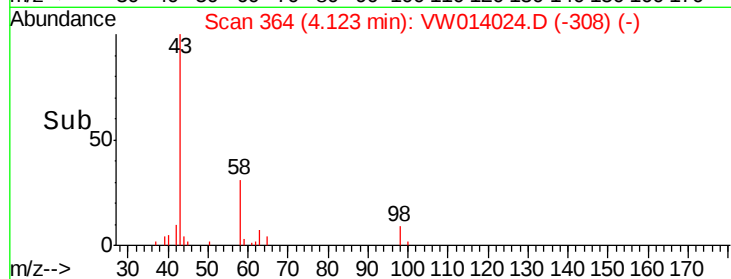
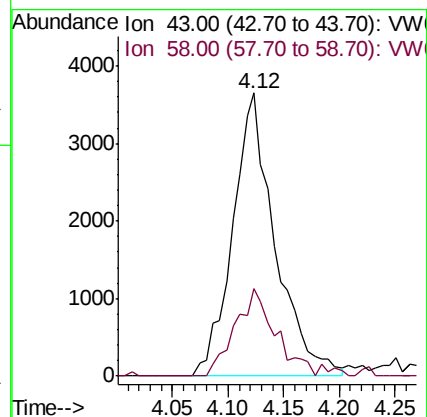
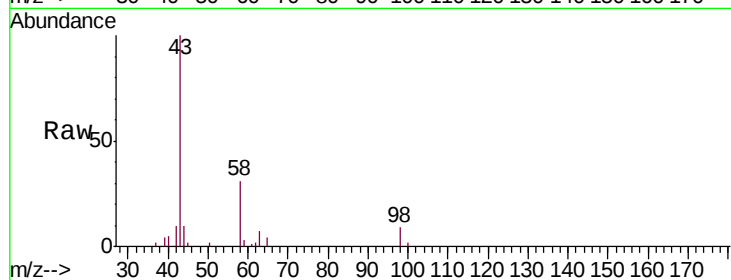
BFLX8

Tgt Ion: 43 Resp: 9674

Ion Ratio Lower Upper

43 100

58 26.8 0.0 65.4



#25

Chloroform

Concen: 20.383 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.01 min

Lab File: VW014024.D

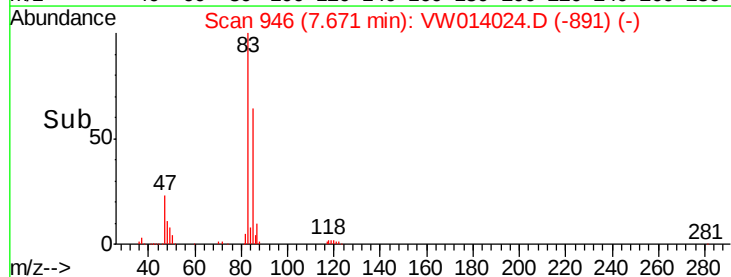
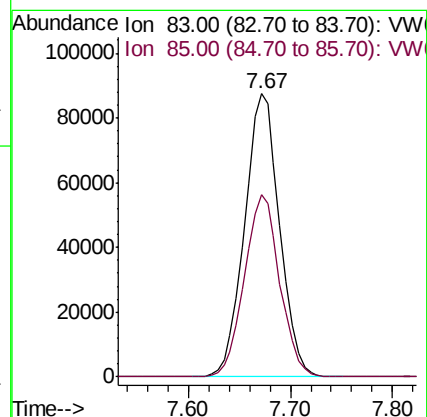
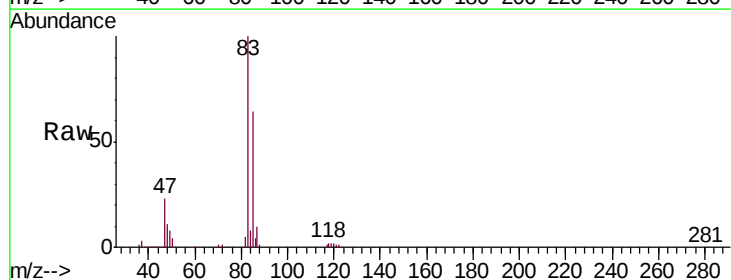
Acq: 14 Nov 2019 16:46

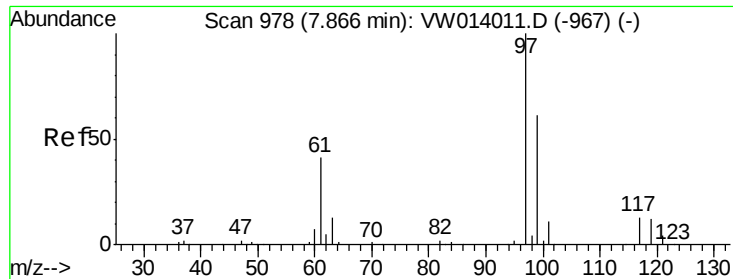
Tgt Ion: 83 Resp: 208160

Ion Ratio Lower Upper

83 100

85 65.0 46.1 85.7





#31

1,1,1-Trichloroethane

Concen: 0.462 ug/L

RT: 7.86 min Scan# 977

Delta R.T. -0.01 min

Lab File: VW014024.D

Acq: 14 Nov 2019 16:46

Instrument :

MSVOA_W

ClientSampled :

BFLX8

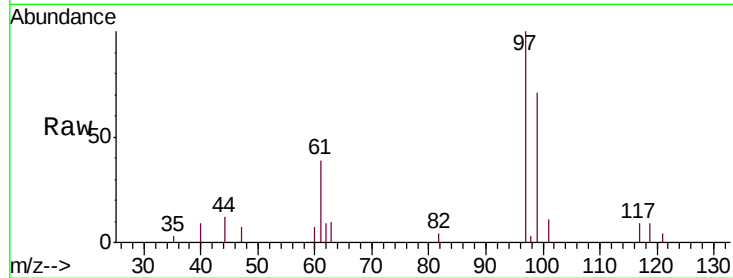
Tgt Ion: 97 Resp: 3506

Ion Ratio Lower Upper

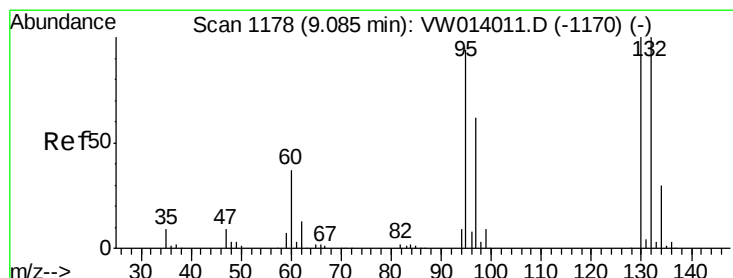
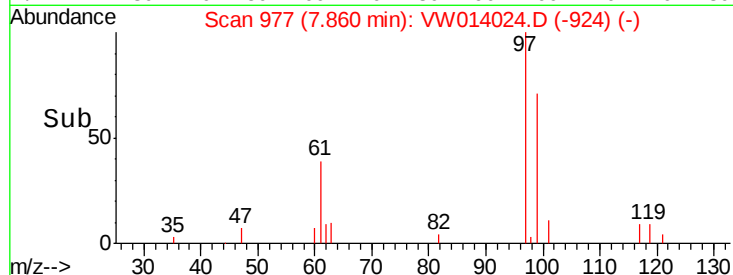
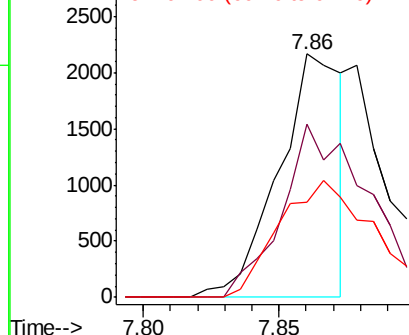
97 100

99 99.2 51.1 76.7#

61 71.2 32.8 49.2#



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW



#35

Trichloroethene

Concen: 65.717 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW014024.D

Acq: 14 Nov 2019 16:46

Tgt Ion: 95 Resp: 389349

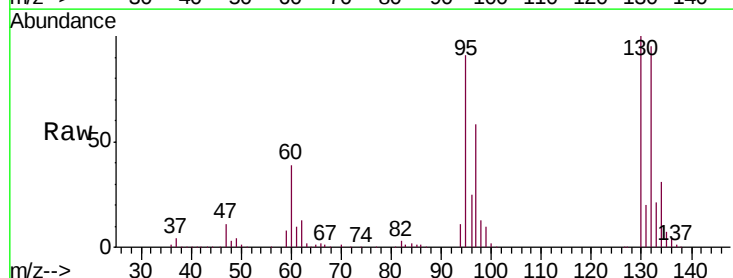
Ion Ratio Lower Upper

95 100

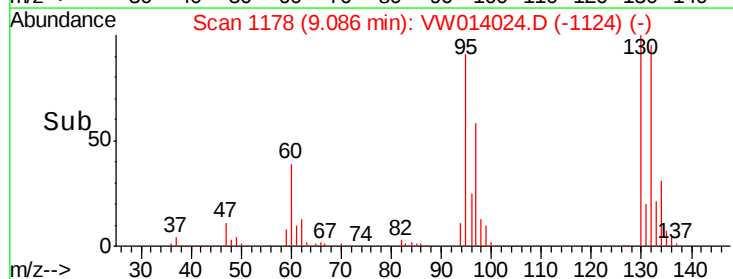
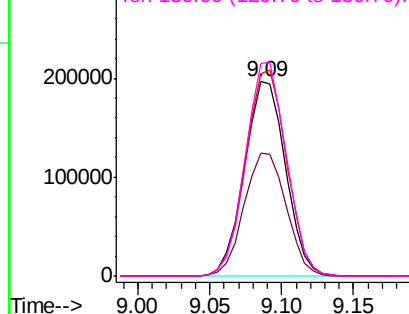
97 64.7 45.1 83.9

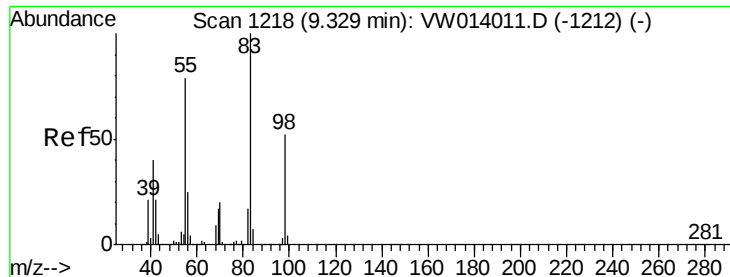
132 106.1 73.7 136.9

130 109.4 76.6 142.2



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

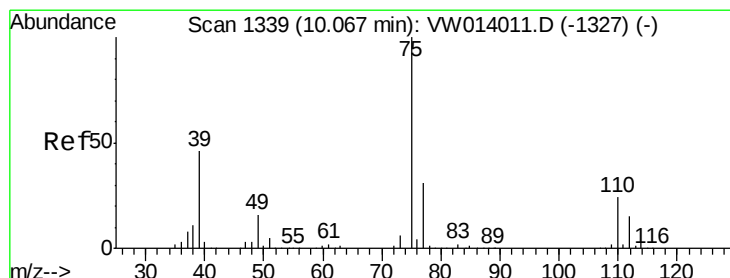
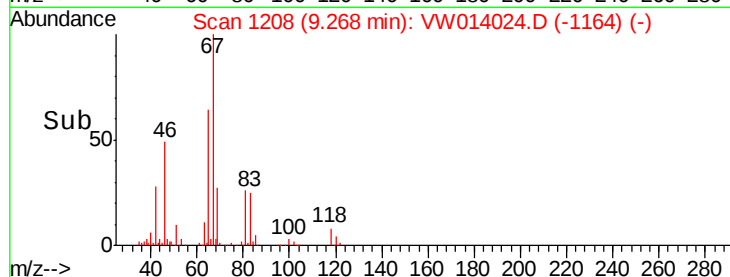
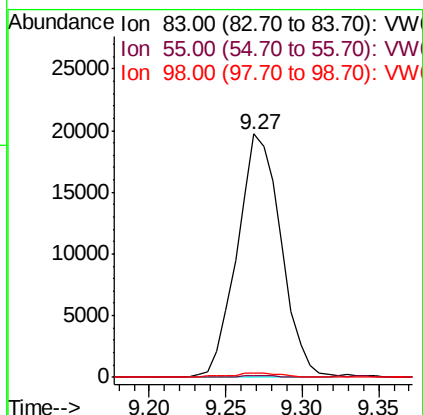
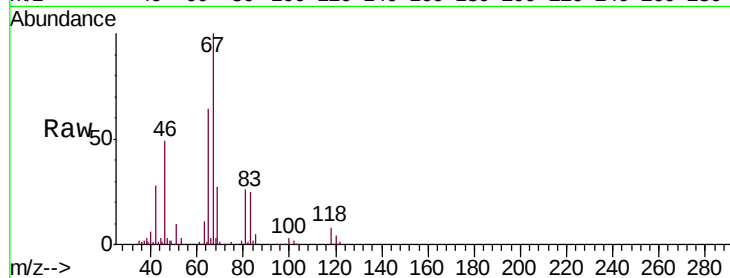




#36
Methylcyclohexane
Concen: 3.692 ug/L
RT: 9.27 min Scan# 1208
Delta R.T. -0.06 min
Lab File: VW014024.D
Acq: 14 Nov 2019 16:46

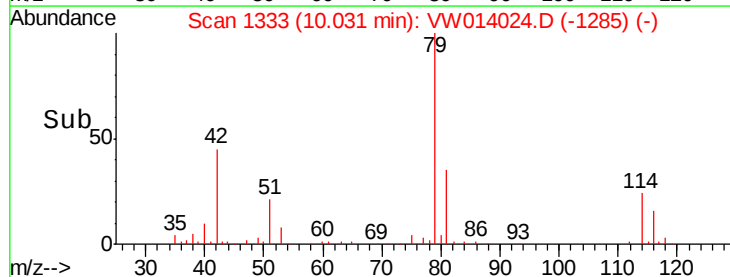
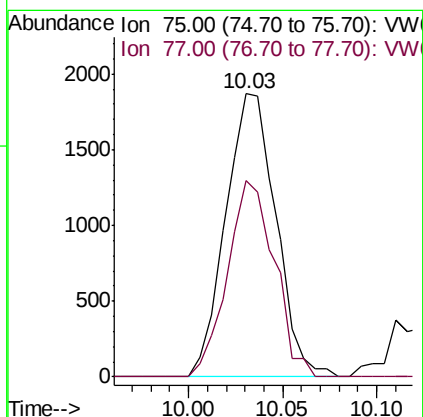
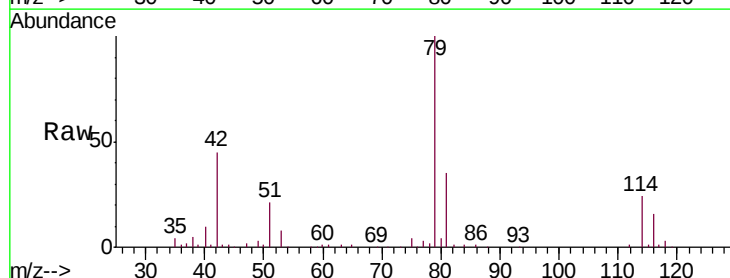
Instrument :
MSVOA_W
ClientSampleId :
BFLX8

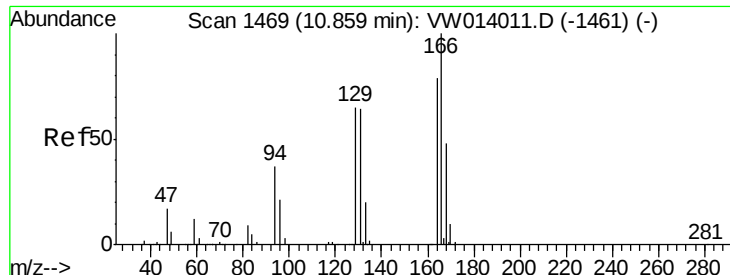
Tgt Ion: 83 Resp: 39215
Ion Ratio Lower Upper
83 100
55 0.6 59.8 89.8#
98 1.9 39.5 59.3#



#42
cis-1,3-Dichloropropene
Concen: 0.409 ug/L
RT: 10.03 min Scan# 1333
Delta R.T. -0.04 min
Lab File: VW014024.D
Acq: 14 Nov 2019 16:46

Tgt Ion: 75 Resp: 3454
Ion Ratio Lower Upper
75 100
77 69.4 22.1 41.1#





#47

Tetrachloroethene

Concen: 6.562 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014024.D

Acq: 14 Nov 2019 16:46

Instrument :

MSVOA_W

ClientSampled :

BFLX8

Tgt Ion:164 Resp: 34650

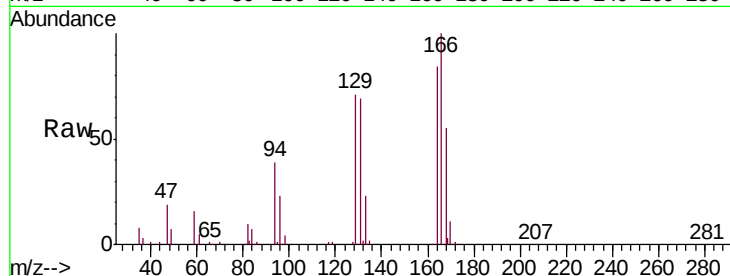
Ion Ratio Lower Upper

164 100

129 84.3 60.6 112.6

131 82.4 59.1 109.7

166 119.5 90.8 168.6

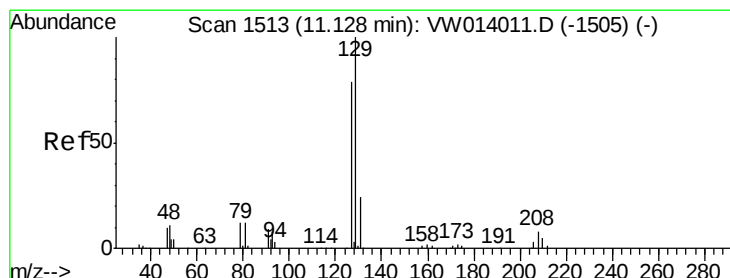
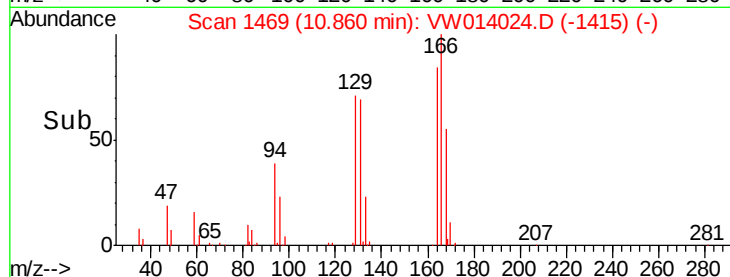
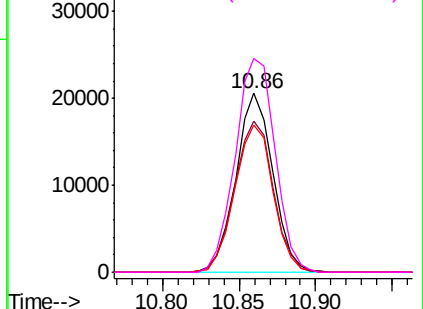


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#50

Dibromochloromethane

Concen: 6.603 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW014024.D

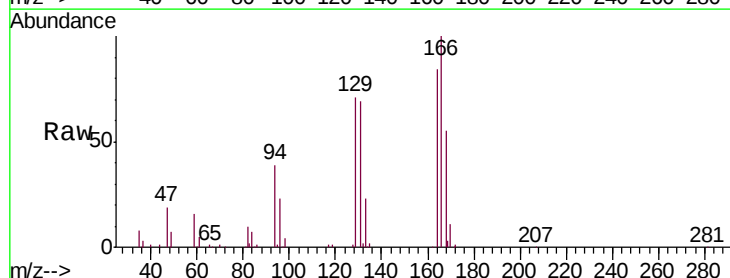
Acq: 14 Nov 2019 16:46

Tgt Ion:129 Resp: 30488

Ion Ratio Lower Upper

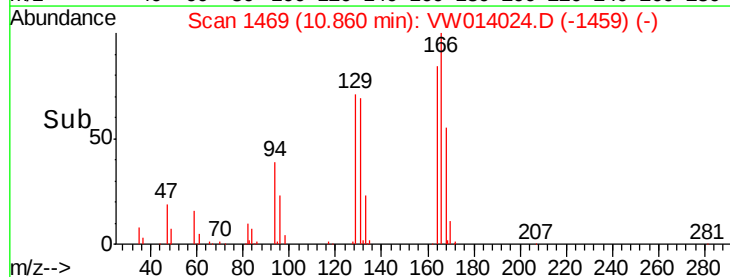
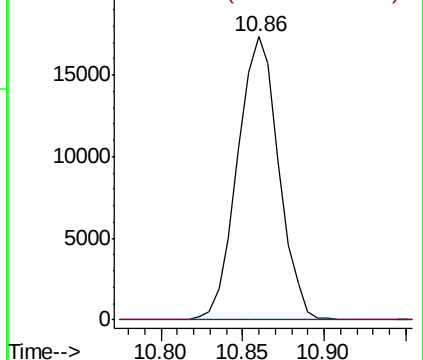
129 100

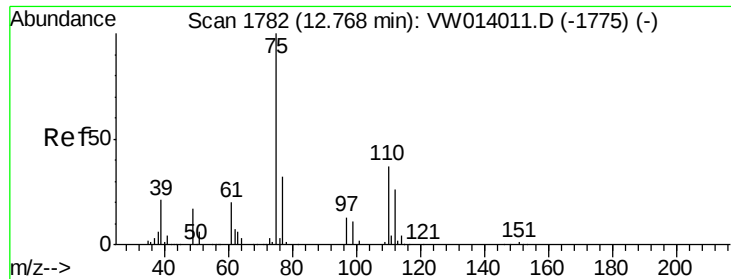
127 0.0 54.9 102.1#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#59

1,2,3-Trichloropropane

Concen: 3.696 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW014024.D

Acq: 14 Nov 2019 16:46

Instrument :

MSVOA_W

ClientSampleId :

BFLX8

Tgt Ion: 75 Resp: 12748

Ion Ratio Lower Upper

75 100

77 37.8 25.9 38.9

