

Data File : VW014026.D
Acq On : 14 Nov 2019 17:39
Operator : SY/VA
Sample : K5810-01
Misc : 4.81G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFLY0

Quant Time: Nov 15 01:50:29 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	364038	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	304661	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	112446	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	103491	17.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.28%
7) Chloroethane-d5	2.89	69	89870	19.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.36%
10) 1,1-Dichloroethene-d2	4.13	63	282	0.02	ug/L	0.11
Spiked Amount	25.000	Range	45 - 110	Recovery	=	0.08%#
20) 2-Butanone-d5	7.08	46	70741	41.92	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.84%
24) Chloroform-d	7.65	84	106063	9.48	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	37.92%#
26) 1,2-Dichloroethane-d4	8.31	65	129096	22.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.76%
29) Benzene-d6	8.27	84	504528	23.34	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.36%
33) 1,2-Dichloropropane-d6	9.27	67	155894	24.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.48%
37) Toluene-d8	10.32	98	427834	20.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.48%
38) trans-1,3-Dichloropropene-	10.58	79	54282	20.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.08%
39) 2-Hexanone-d5	10.92	63	51354	42.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.54%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	11455	2.40	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	9.60%#
61) 1,2-Dichlorobenzene-d4	13.85	152	100543	22.26	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.04%

Target Compounds

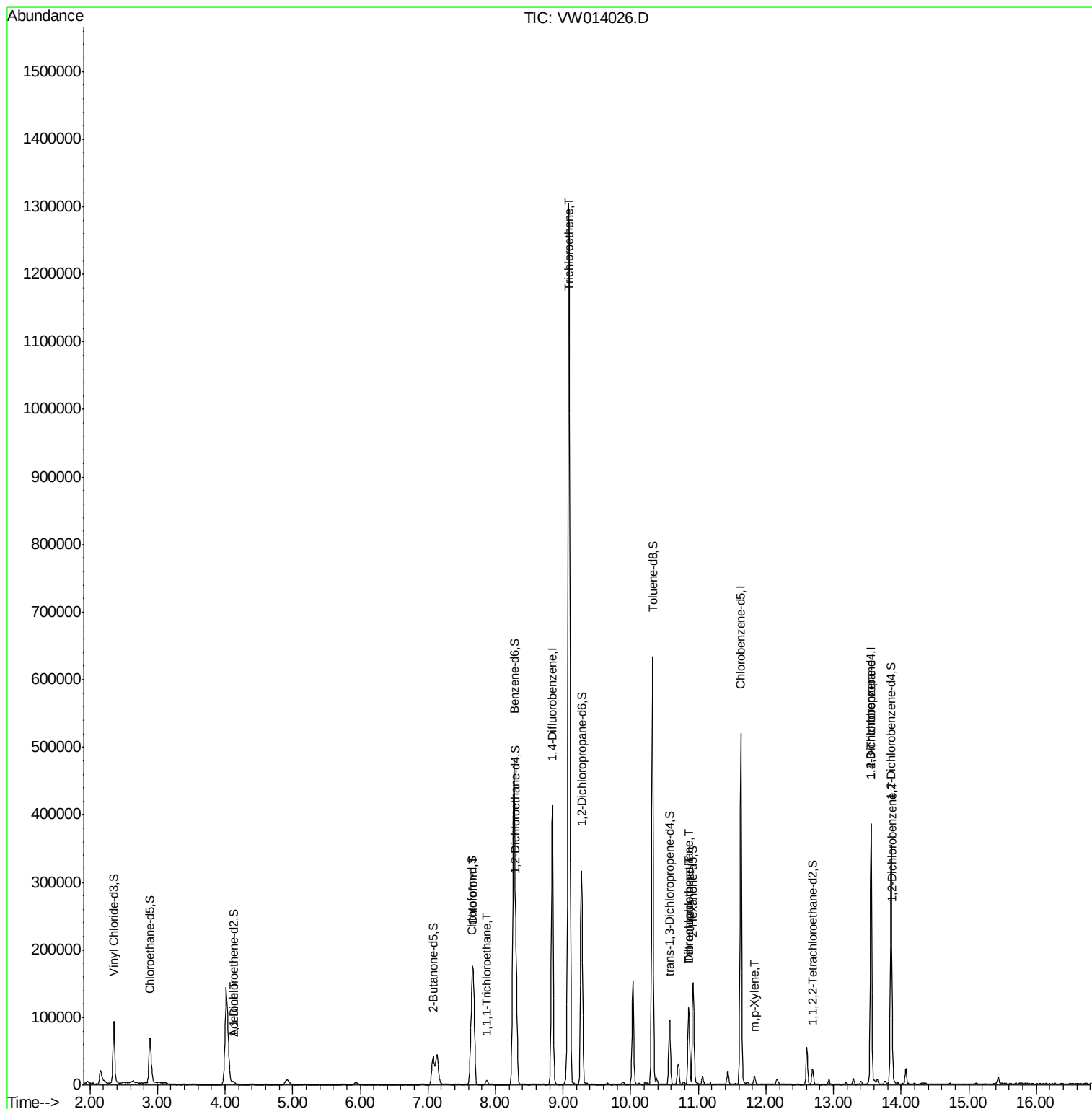
						Qvalue
13) Acetone	4.14	43	7451	4.340	ug/L	75
25) Chloroform	7.68	83	141124	13.313	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	5386	0.705	ug/L	94
35) Trichloroethene	9.09	95	401716	67.390	ug/L	99
47) Tetrachloroethene	10.86	164	29054	5.468	ug/L	87
50) Dibromochloromethane	10.86	129	24851	5.349	ug/L #	10
54) m,p-Xylene	11.83	106	3489	0.336	ug/L	74
59) 1,2,3-Trichloropropane	13.55	75	12624	3.637	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	16179	2.314	ug/L	96

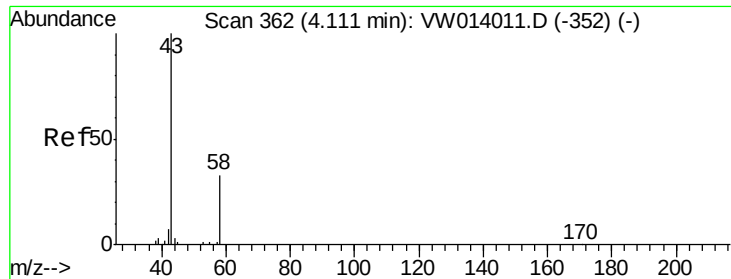
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 4.340 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

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Acq: 14 Nov 2019 17:39

Instrument :

MSVOA_W

ClientSampled :

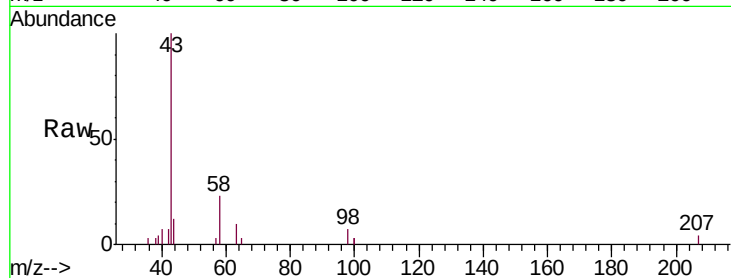
BFLY0

Tgt Ion: 43 Resp: 7451

Ion Ratio Lower Upper

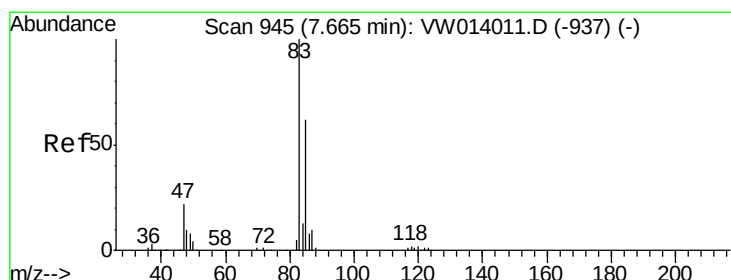
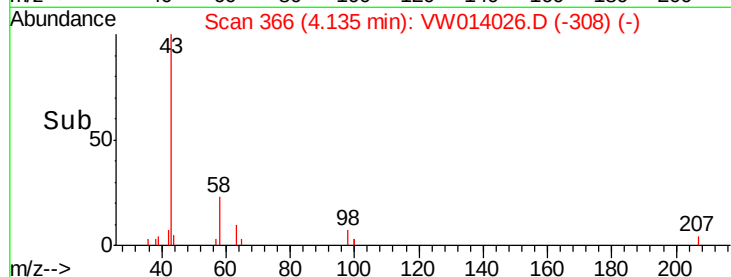
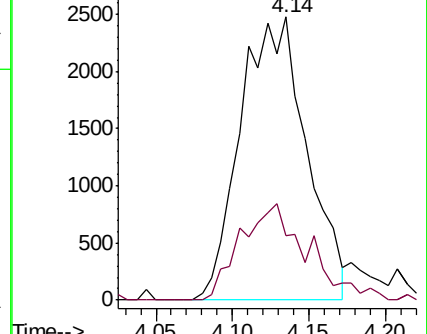
43 100

58 18.4 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#25

Chloroform

Concen: 13.313 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW014026.D

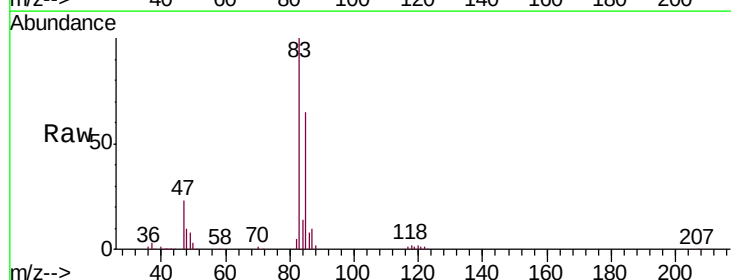
Acq: 14 Nov 2019 17:39

Tgt Ion: 83 Resp: 141124

Ion Ratio Lower Upper

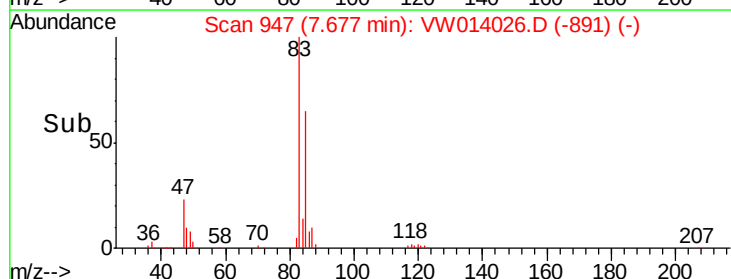
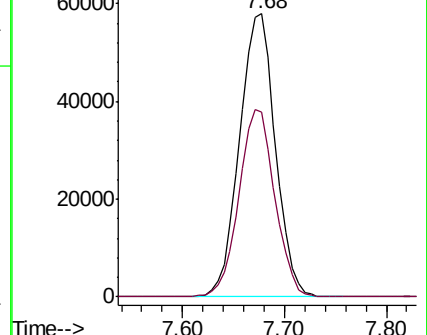
83 100

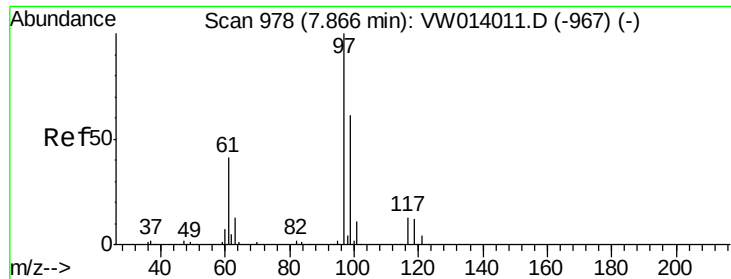
85 66.1 46.1 85.7



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW





#31

1,1,1-Trichloroethane

Concen: 0.705 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.00 min

Lab File: VW014026.D

Acq: 14 Nov 2019 17:39

Instrument :

MSVOA_W

ClientSampleId :

BFLY0

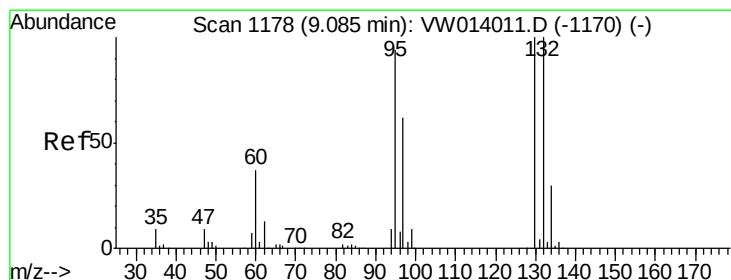
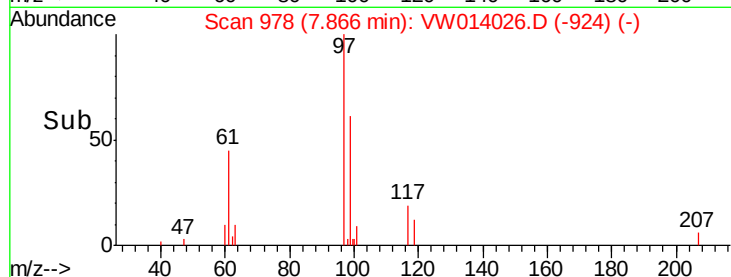
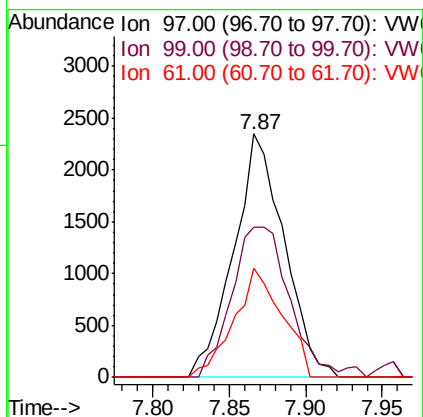
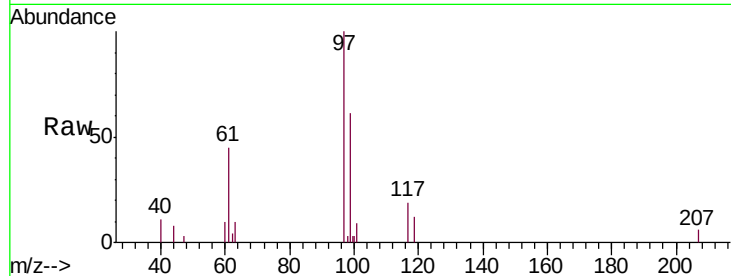
Tgt Ion: 97 Resp: 5386

Ion Ratio Lower Upper

97 100

99 70.1 51.1 76.7

61 42.7 32.8 49.2



#35

Trichloroethene

Concen: 67.390 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW014026.D

Acq: 14 Nov 2019 17:39

Tgt Ion: 95 Resp: 401716

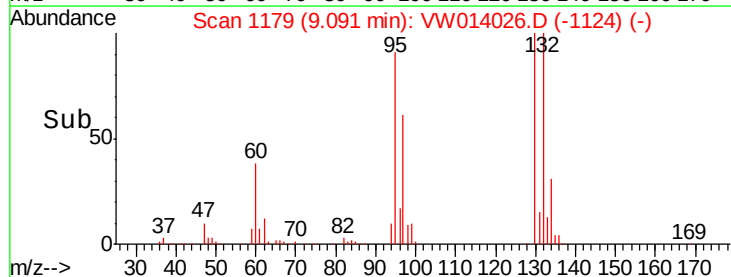
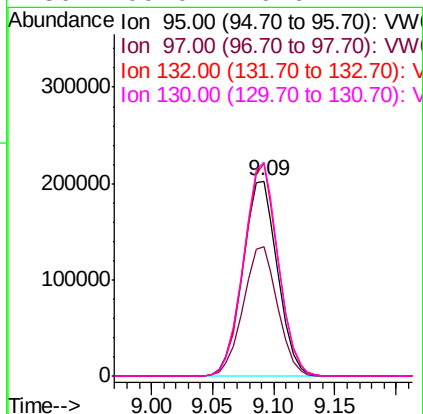
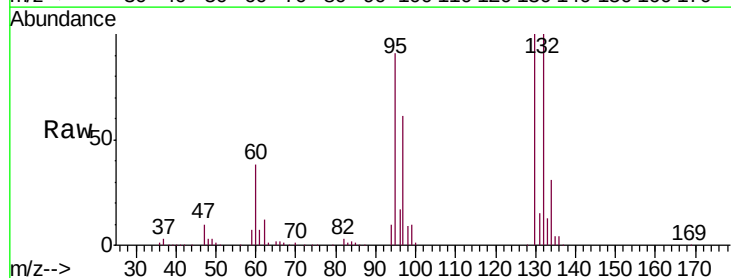
Ion Ratio Lower Upper

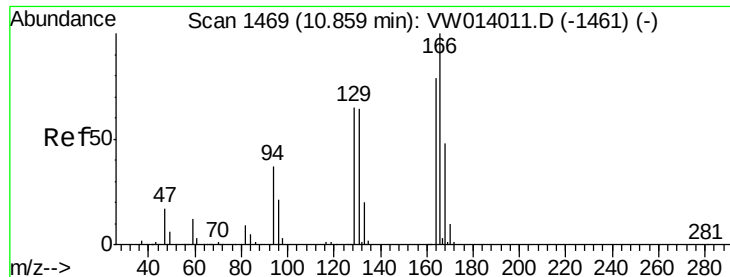
95 100

97 65.8 45.1 83.9

132 106.1 73.7 136.9

130 109.0 76.6 142.2





#47

Tetrachloroethene

Concen: 5.468 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW014026.D

Acq: 14 Nov 2019 17:39

Instrument :

MSVOA_W

ClientSampleId :

BFLY0

Tgt Ion:164 Resp: 29054

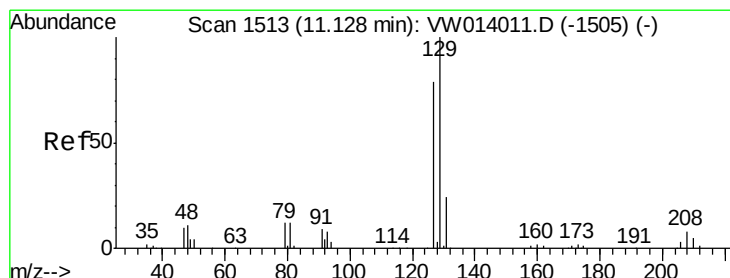
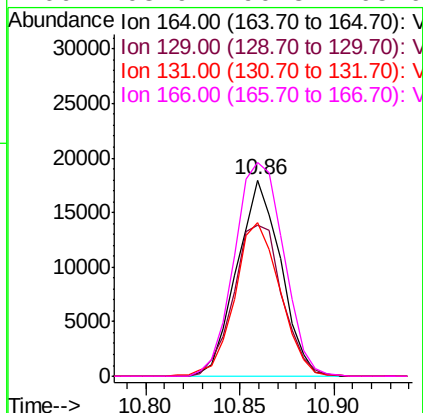
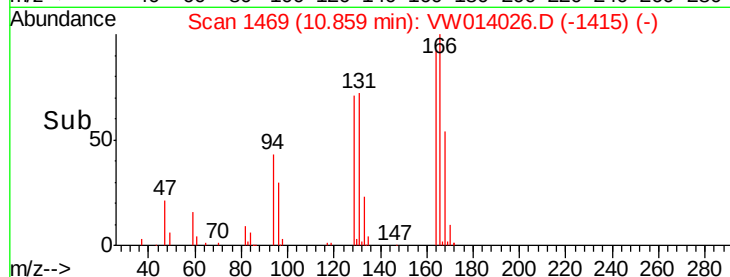
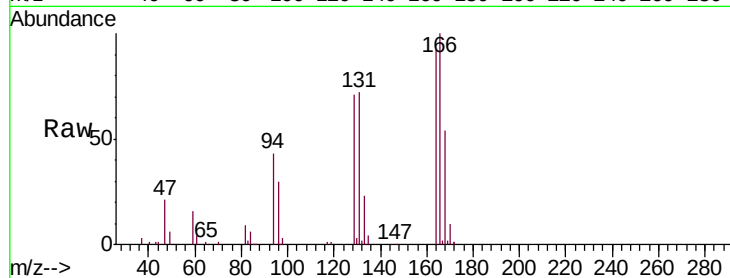
Ion Ratio Lower Upper

164 100

129 77.1 60.6 112.6

131 78.0 59.1 109.7

166 108.9 90.8 168.6



#50

Dibromochloromethane

Concen: 5.349 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW014026.D

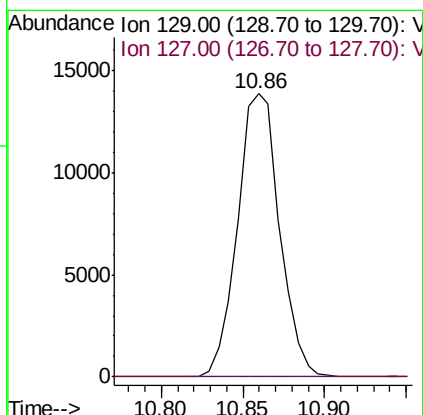
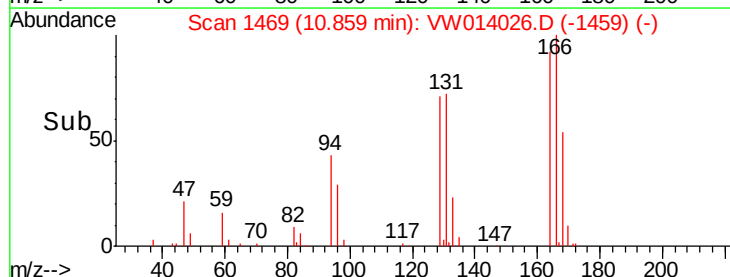
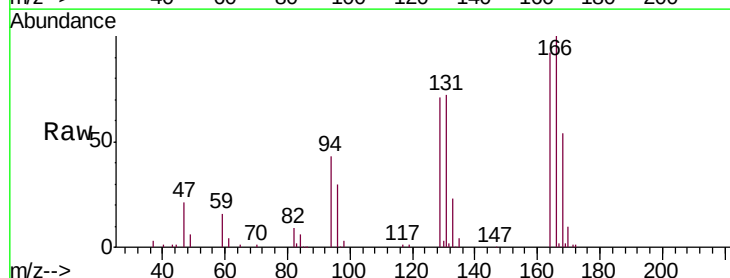
Acq: 14 Nov 2019 17:39

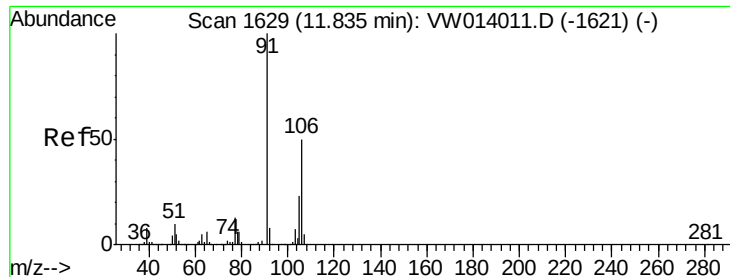
Tgt Ion:129 Resp: 24851

Ion Ratio Lower Upper

129 100

127 0.0 54.9 102.1#





#54

m,p-Xylene

Concen: 0.336 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW014026.D

Acq: 14 Nov 2019 17:39

Instrument :

MSVOA_W

ClientSampleId :

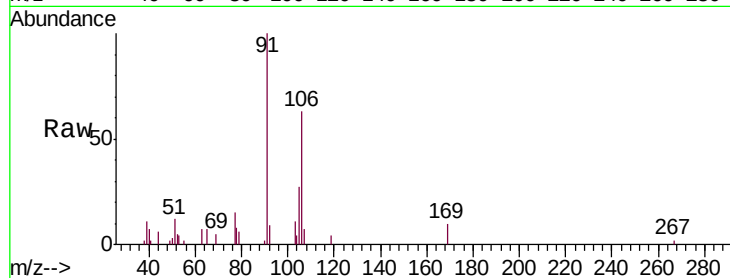
BFLY0

Tgt Ion: 106 Resp: 3489

Ion Ratio Lower Upper

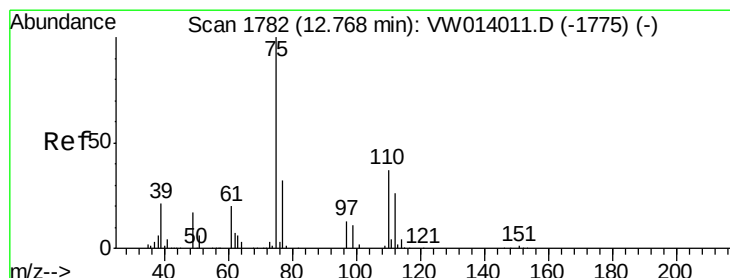
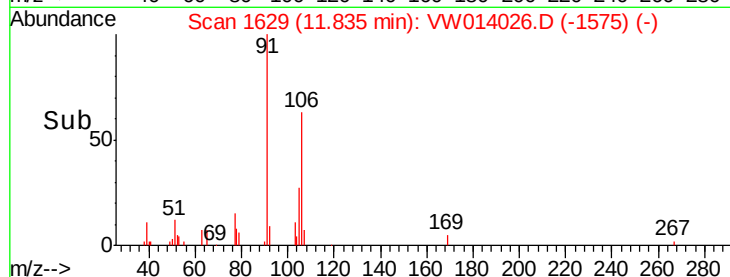
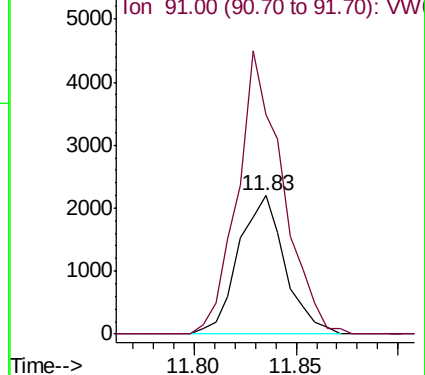
106 100

91 158.2 138.7 257.5



Abundance Ion 106.00 (105.70 to 106.70): VW

Ion 91.00 (90.70 to 91.70): VW



#59

1,2,3-Trichloropropane

Concen: 3.637 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW014026.D

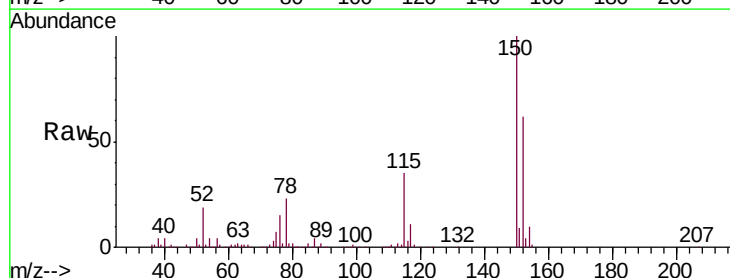
Acq: 14 Nov 2019 17:39

Tgt Ion: 75 Resp: 12624

Ion Ratio Lower Upper

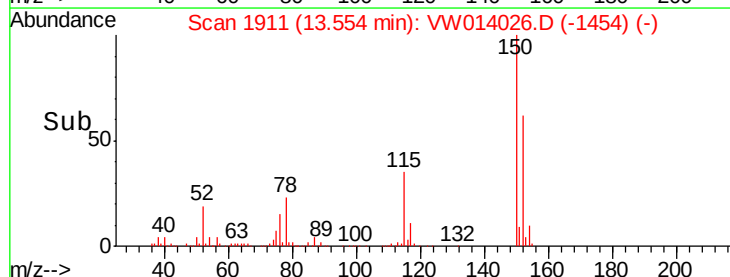
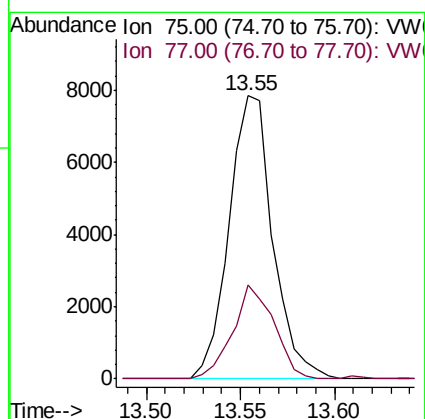
75 100

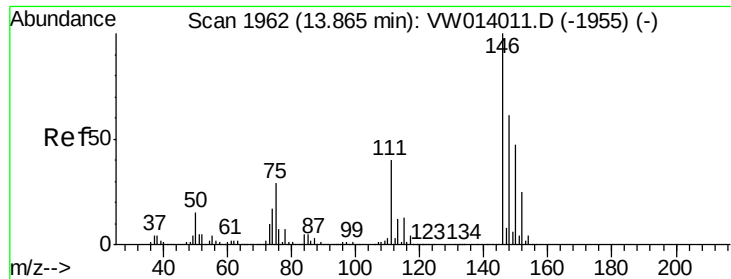
77 31.3 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

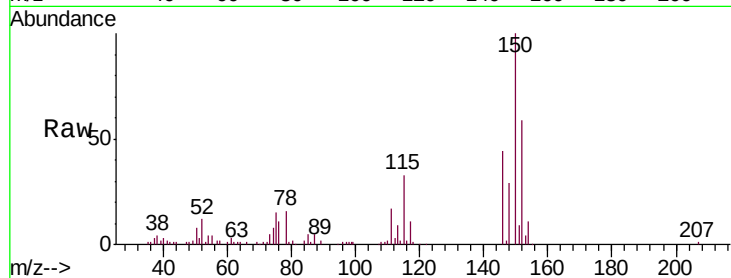




#65
 1,2-Dichlorobenzene
 Concen: 2.314 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW014026.D
 Acq: 14 Nov 2019 17:39

Instrument :
 MSVOA_W
 ClientSampleId :
 BFLY0

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	30.5	45.7
148	65.7	49.4	74.2



Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

