

Data File : VW014028.D
Acq On : 14 Nov 2019 18:31
Operator : SY/VA
Sample : K5810-03
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFLY2

Quant Time: Nov 15 01:50:44 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	348380	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	325155	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	149263	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	103630	18.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.56%
7) Chloroethane-d5	2.89	69	93146	20.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.68%
10) 1,1-Dichloroethene-d2	4.01	63	167372	14.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	58.68%
20) 2-Butanone-d5	7.07	46	73299	45.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.78%
24) Chloroform-d	7.64	84	213519	19.93	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	79.72%
26) 1,2-Dichloroethane-d4	8.31	65	134650	25.00	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.00%
29) Benzene-d6	8.27	84	528193	22.89	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.56%
33) 1,2-Dichloropropane-d6	9.27	67	163814	24.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.96%
37) Toluene-d8	10.32	98	474130	21.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.68%
38) trans-1,3-Dichloropropene-	10.57	79	60495	20.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.60%
39) 2-Hexanone-d5	10.92	63	55500	43.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.62%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	84526	16.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	66.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	144579	24.11	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.44%

Target Compounds

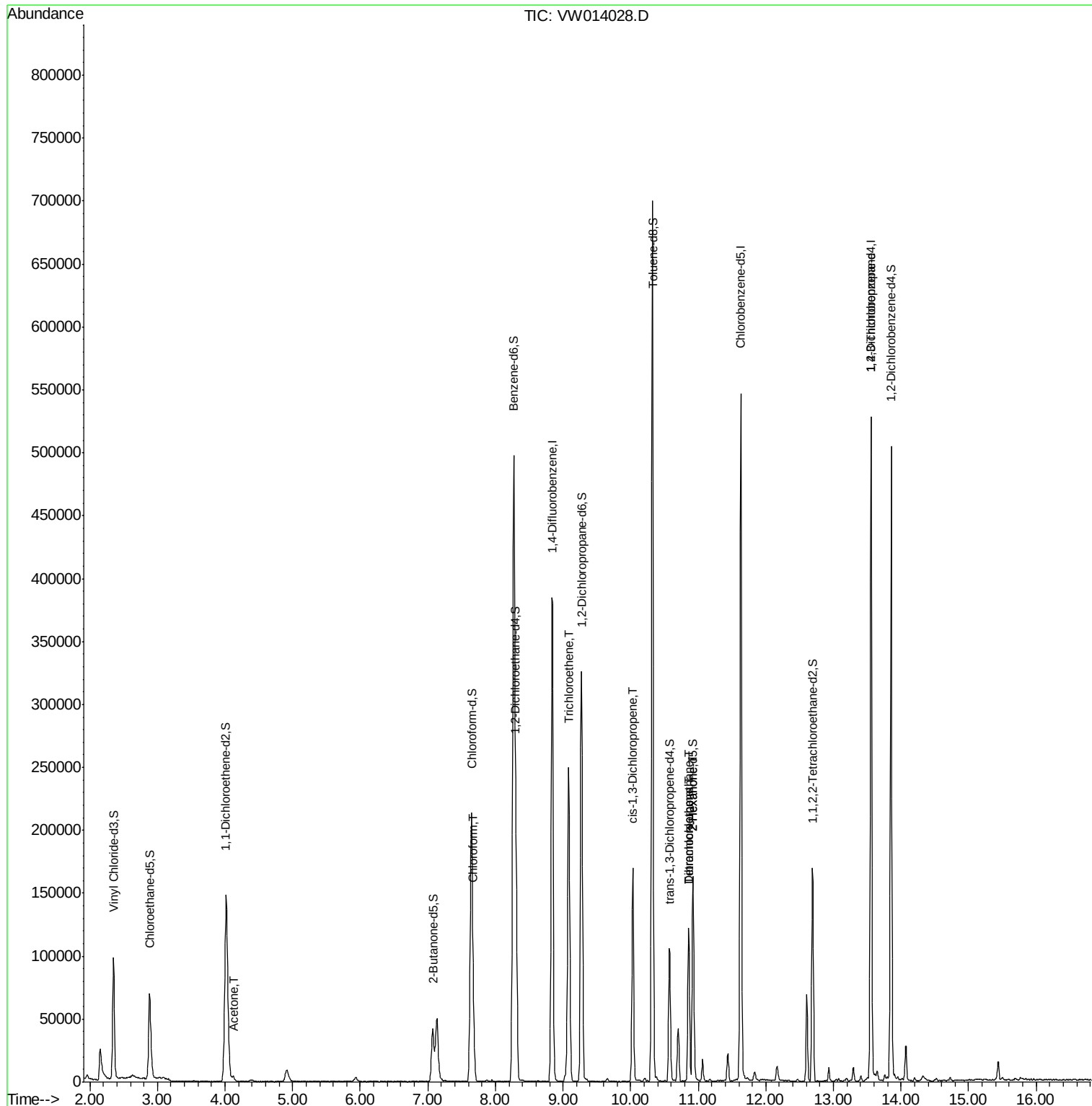
					Qvalue
13) Acetone	4.12	43	6251	3.804 ug/L	84
25) Chloroform	7.67	83	42343	4.174 ug/L	96
35) Trichloroethene	9.09	95	63240	9.940 ug/L	98
42) cis-1,3-Dichloropropene	10.04	75	3801	0.420 ug/L #	73
47) Tetrachloroethene	10.86	164	30551	5.388 ug/L	92
49) 2-Hexanone	10.92	43	6711	2.456 ug/L #	71
50) Dibromochloromethane	10.86	129	26480	5.340 ug/L #	11
59) 1,2,3-Trichloropropane	13.55	75	15938	4.303 ug/L	92

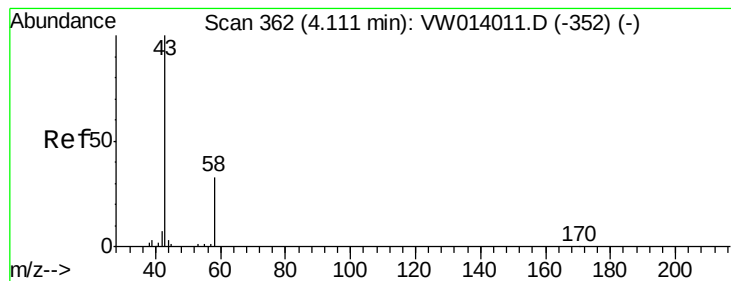
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 3.804 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

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Acq: 14 Nov 2019 18:31

Instrument :

MSVOA_W

ClientSampleId :

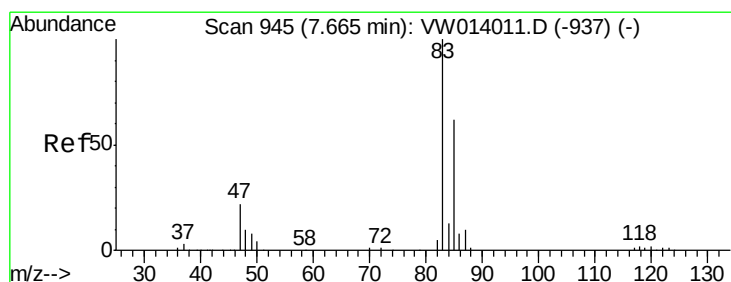
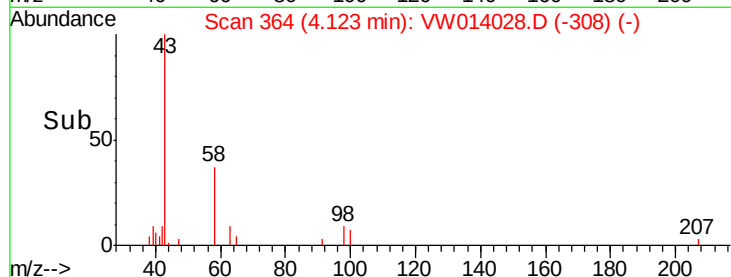
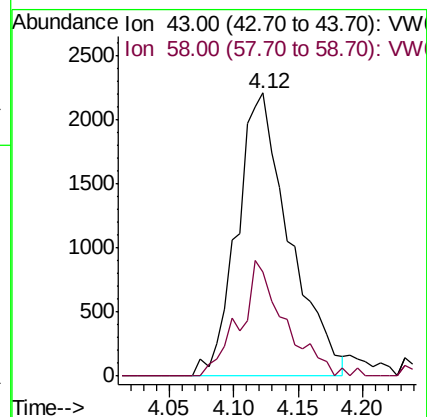
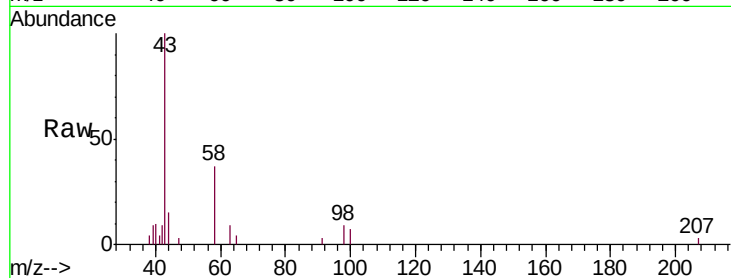
BFLY2

Tgt Ion: 43 Resp: 6251

Ion Ratio Lower Upper

43 100

58 23.9 0.0 65.4



#25

Chloroform

Concen: 4.174 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.01 min

Lab File: VW014028.D

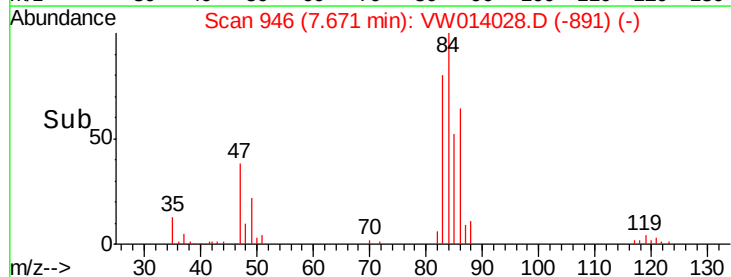
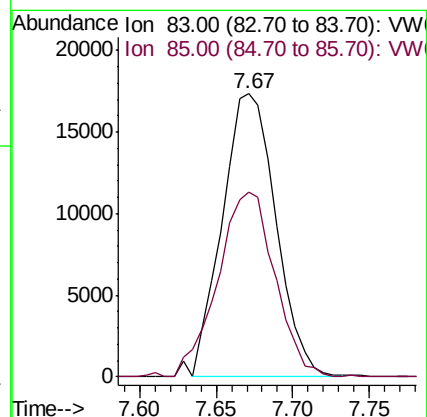
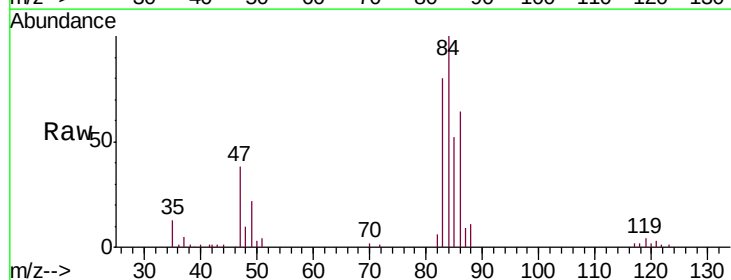
Acq: 14 Nov 2019 18:31

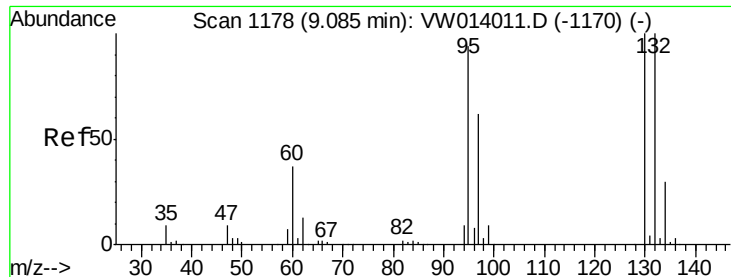
Tgt Ion: 83 Resp: 42343

Ion Ratio Lower Upper

83 100

85 69.3 46.1 85.7





#35

Trichloroethene

Concen: 9.940 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW014028.D

Acq: 14 Nov 2019 18:31

Instrument :

MSVOA_W

ClientSampleId :

BFLY2

Tgt Ion: 95 Resp: 63240

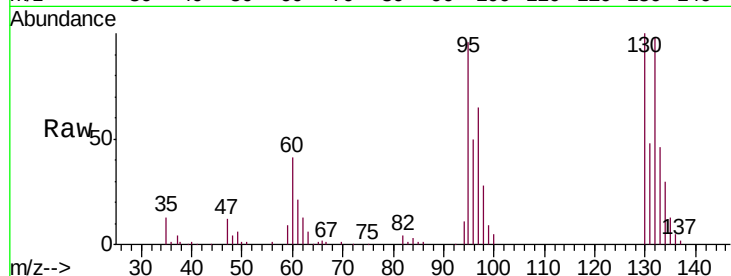
Ion Ratio Lower Upper

95 100

97 66.7 45.1 83.9

132 106.8 73.7 136.9

130 107.9 76.6 142.2

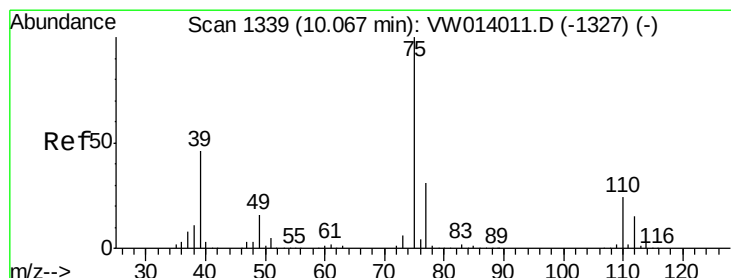
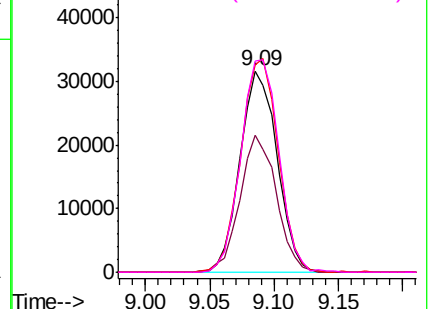
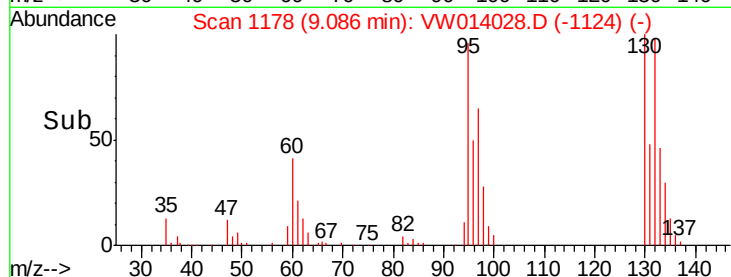


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#42

cis-1,3-Dichloropropene

Concen: 0.420 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.03 min

Lab File: VW014028.D

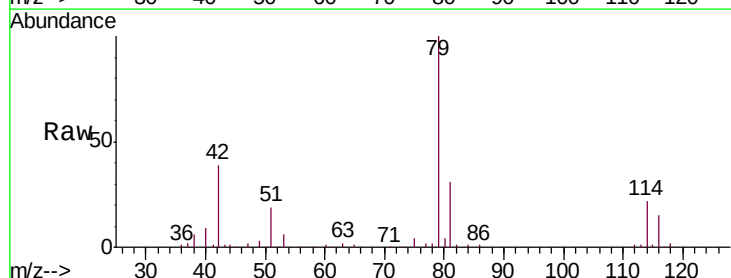
Acq: 14 Nov 2019 18:31

Tgt Ion: 75 Resp: 3801

Ion Ratio Lower Upper

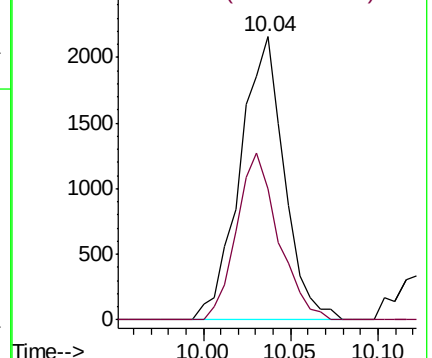
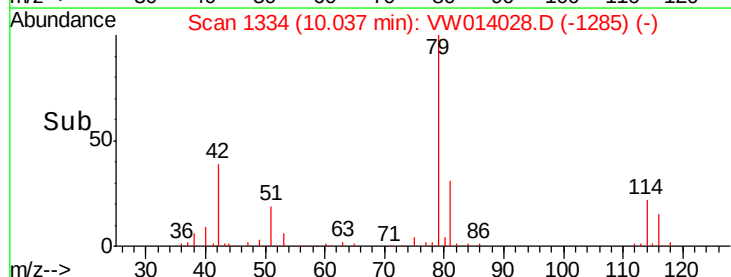
75 100

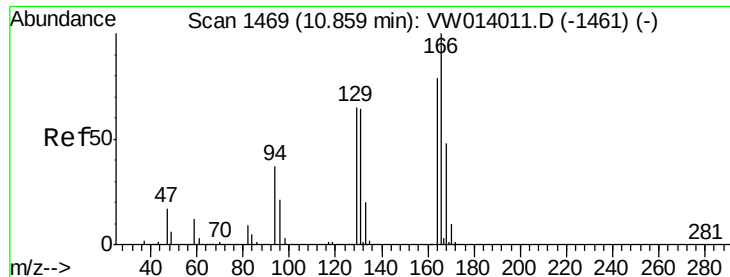
77 46.5 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#47

Tetrachloroethene

Concen: 5.388 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014028.D

Acq: 14 Nov 2019 18:31

Instrument :

MSVOA_W

ClientSampleId :

BFLY2

Tgt Ion:164 Resp: 30551

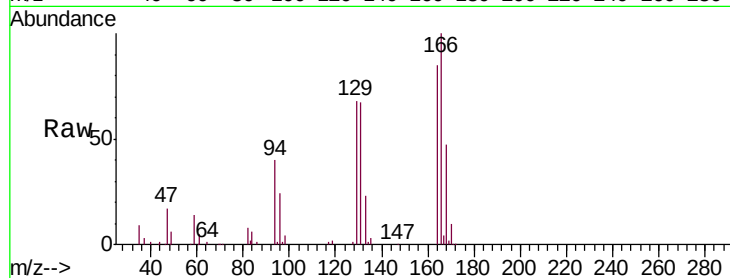
Ion Ratio Lower Upper

164 100

129 79.4 60.6 112.6

131 79.0 59.1 109.7

166 117.4 90.8 168.6

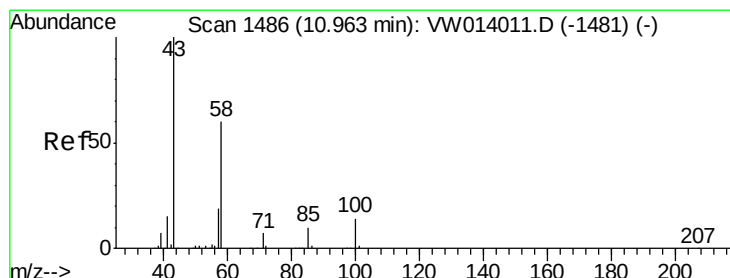
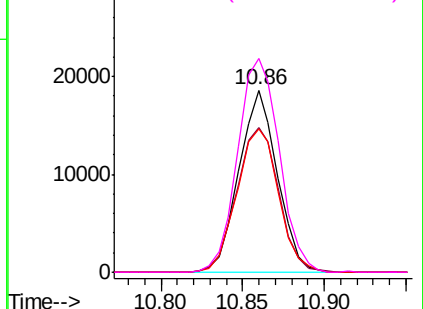
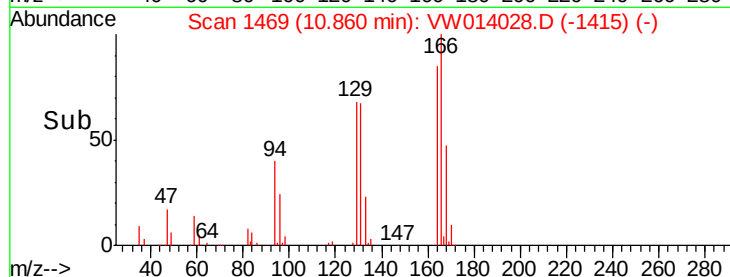


Abundance Ion 164.00 (163.70 to 164.70): V

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



#49

2-Hexanone

Concen: 2.456 ug/L

RT: 10.92 min Scan# 1479

Delta R.T. -0.04 min

Lab File: VW014028.D

Acq: 14 Nov 2019 18:31

Tgt Ion: 43 Resp: 6711

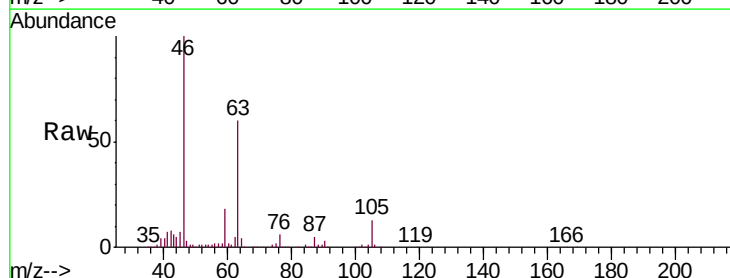
Ion Ratio Lower Upper

43 100

58 28.4 44.4 66.6#

57 24.4 16.5 24.7

100 1.9 11.1 16.7#

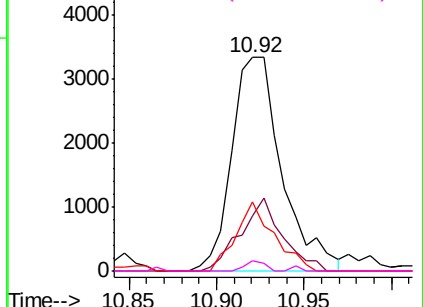
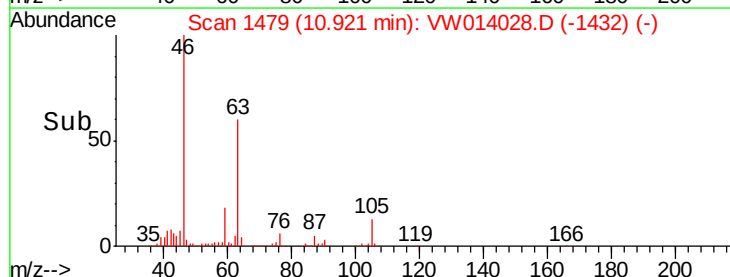


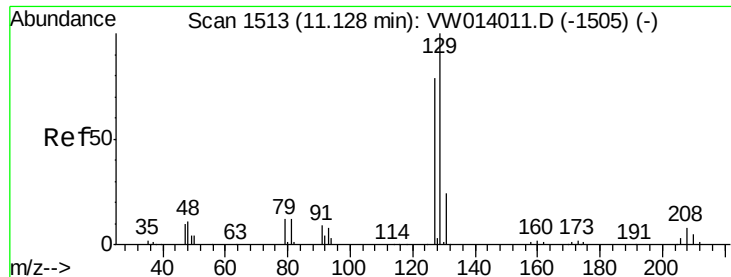
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 58.00 (57.70 to 58.70): VV

Ion 57.00 (56.70 to 57.70): VV

Ion 100.00 (99.70 to 100.70): VV





#50

Dibromochloromethane

Concen: 5.340 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW014028.D

Acq: 14 Nov 2019 18:31

Instrument :

MSVOA_W

ClientSampleId :

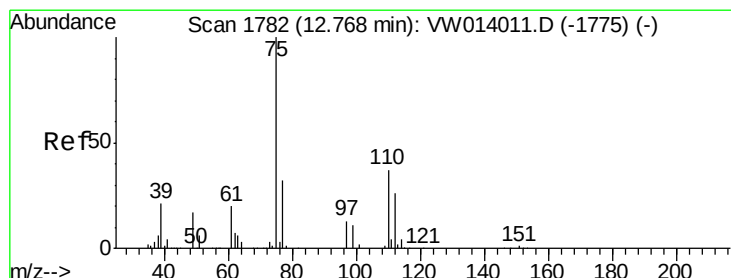
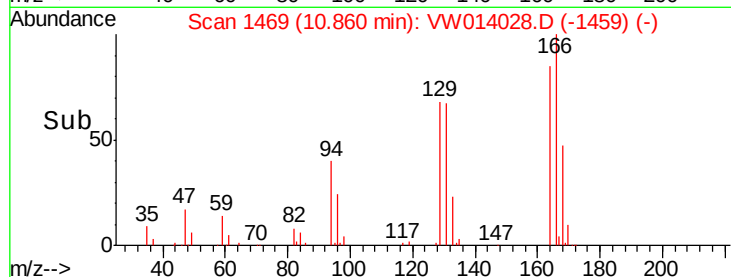
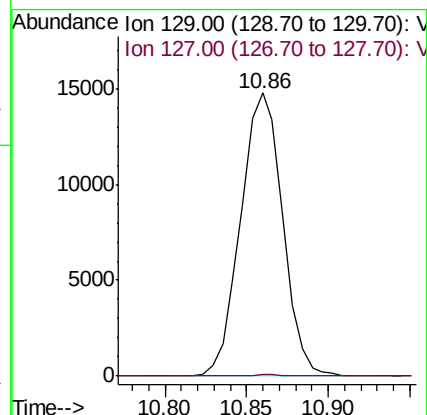
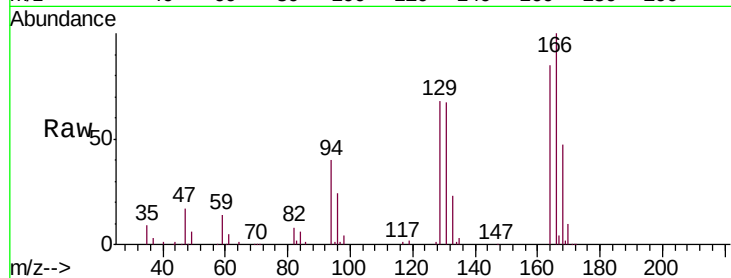
BFLY2

Tgt Ion:129 Resp: 26480

Ion Ratio Lower Upper

129 100

127 0.8 54.9 102.1#



#59

1,2,3-Trichloropropane

Concen: 4.303 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW014028.D

Acq: 14 Nov 2019 18:31

Tgt Ion: 75 Resp: 15938

Ion Ratio Lower Upper

75 100

77 36.6 25.9 38.9

