

Data File : VW010947.D
Acq On : 24 Jun 2019 23:04
Operator : SY/VA
Sample : K3456-15
Misc : 3.18G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YANYO

Quant Time: Jun 25 02:50:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062419S.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 25 02:43:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	149389	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	158905	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	65038	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	14632	7.56	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	30.24%
7) Chloroethane-d5	2.88	69	18229	12.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	48.84%
10) 1,1-Dichloroethene-d2	4.01	63	33699	7.36	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	29.44%#
20) 2-Butanone-d5	7.08	46	5914	6.50	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	13.00%#
24) Chloroform-d	7.65	84	109174	27.10	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	108.40%
26) 1,2-Dichloroethane-d4	8.31	65	109713	43.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	175.72%#
29) Benzene-d6	8.27	84	133135	13.96	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	55.84%
33) 1,2-Dichloropropane-d6	9.27	67	98112	31.12	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	124.48%#
37) Toluene-d8	10.32	98	139489	16.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	64.80%
38) trans-1,3-Dichloropropene-	10.58	79	24293	17.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	69.64%
39) 2-Hexanone-d5	10.93	63	2606	3.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	7.36%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	97855	37.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	150.64%#
61) 1,2-Dichlorobenzene-d4	13.86	152	73251	29.84	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	119.36%

Target Compounds

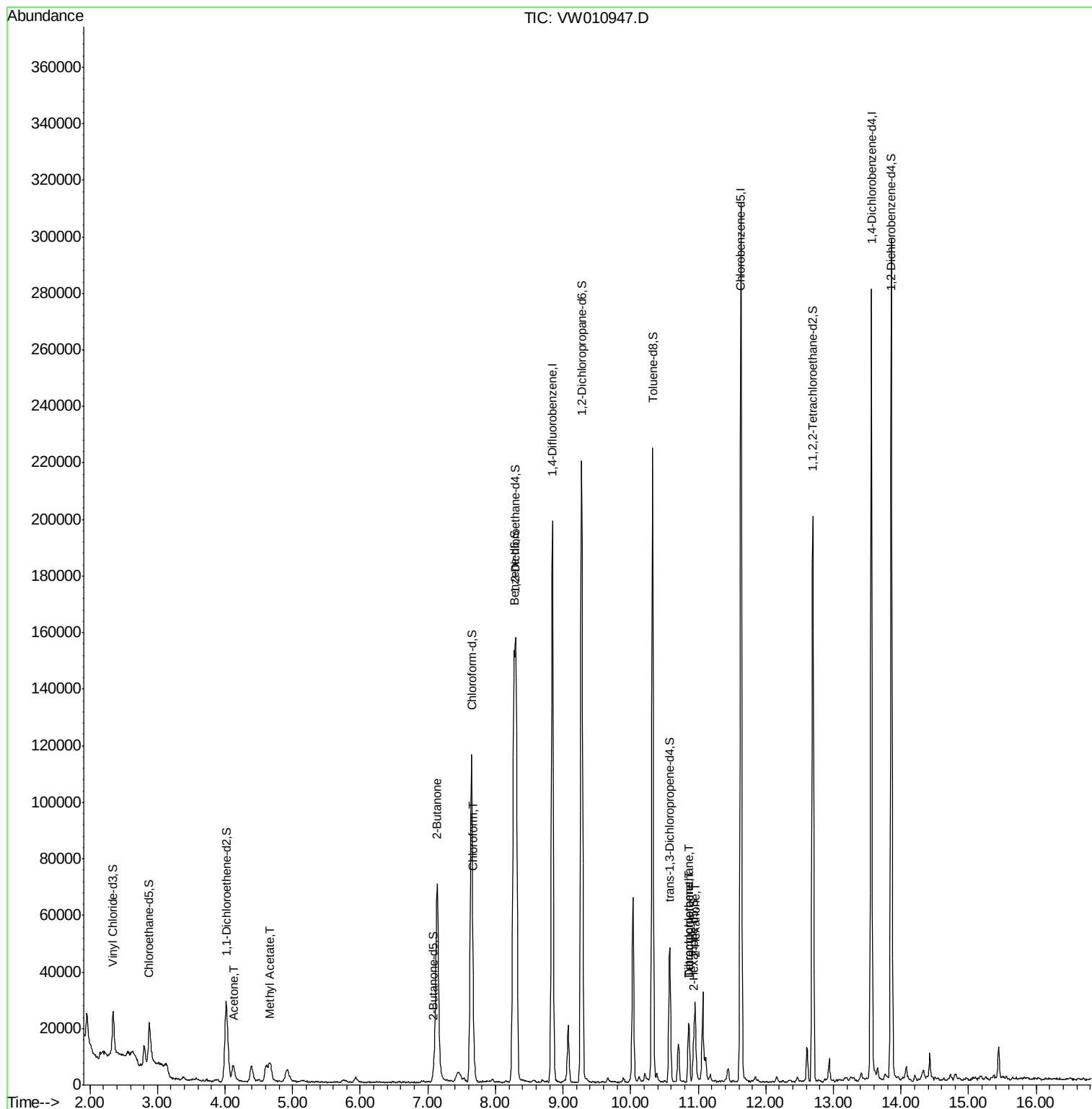
					Qvalue
13) Acetone	4.12	43	11132	12.783	ug/L 100
15) Methyl Acetate	4.67	43	12256	8.131	ug/L 96
21) 2-Butanone	7.14	43	13738	11.996	ug/L # 57
25) Chloroform	7.67	83	7319	1.857	ug/L # 75
47) Tetrachloroethene	10.86	164	4354	2.168	ug/L 89
49) 2-Hexanone	10.96	43	16251	8.564	ug/L # 49
50) Dibromochloromethane	10.87	129	4211	1.942	ug/L # 12

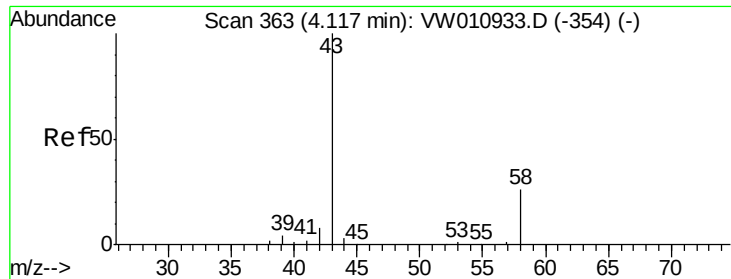
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 12.783 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

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Acq: 24 Jun 2019 23:04

Instrument :

MSVOA_W

ClientSampleId :

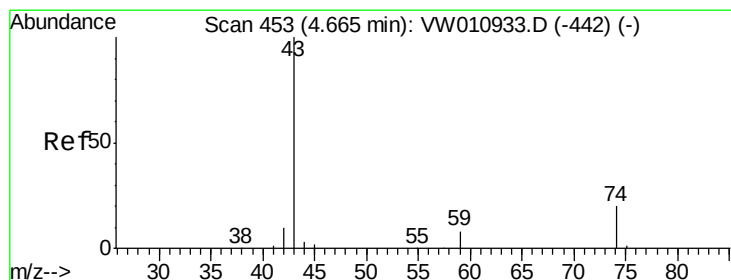
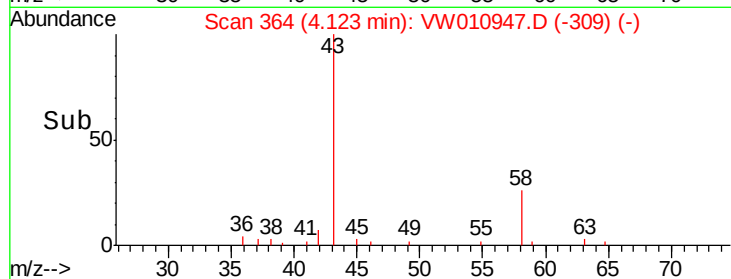
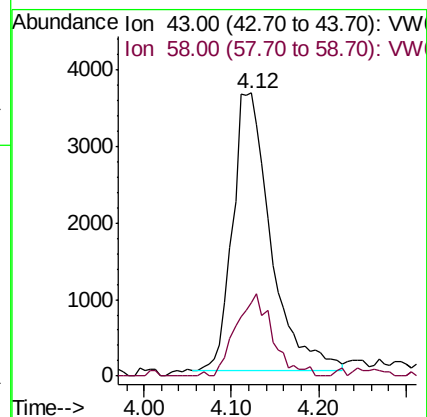
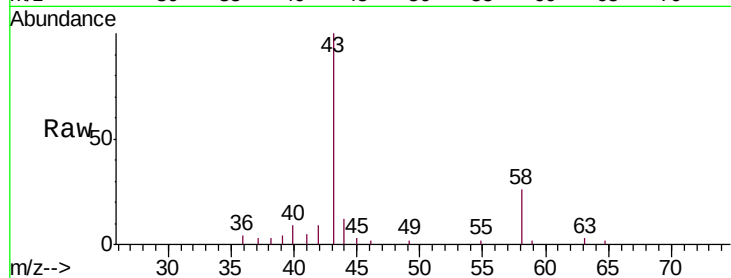
YANYO

Tgt Ion: 43 Resp: 11132

Ion Ratio Lower Upper

43 100

58 26.5 0.0 53.2



#15

Methyl Acetate

Concen: 8.131 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW010947.D

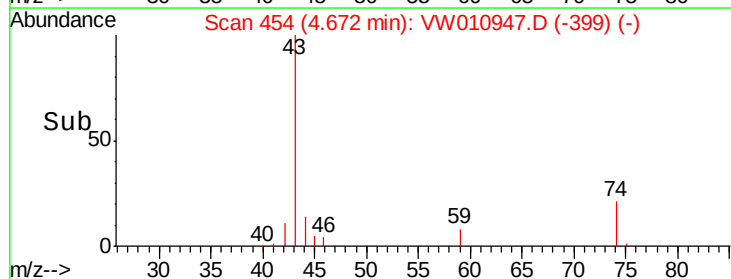
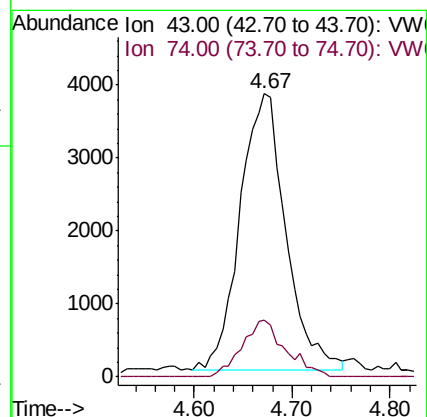
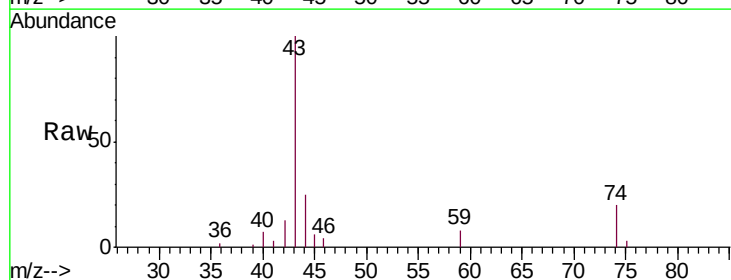
Acq: 24 Jun 2019 23:04

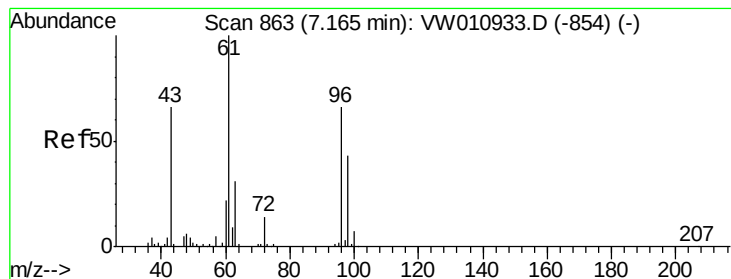
Tgt Ion: 43 Resp: 12256

Ion Ratio Lower Upper

43 100

74 17.5 15.3 22.9





#21

2-Butanone

Concen: 11.996 ug/L

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW010947.D

Acq: 24 Jun 2019 23:04

Instrument :

MSVOA_W

ClientSampled :

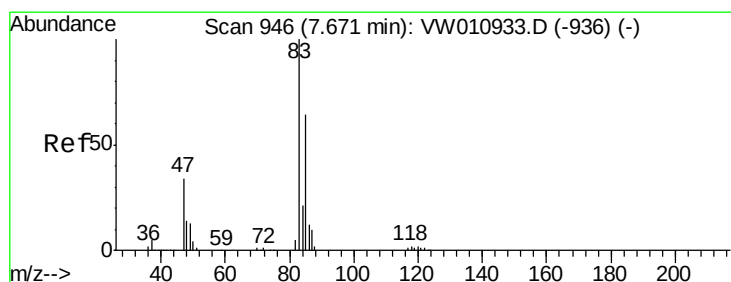
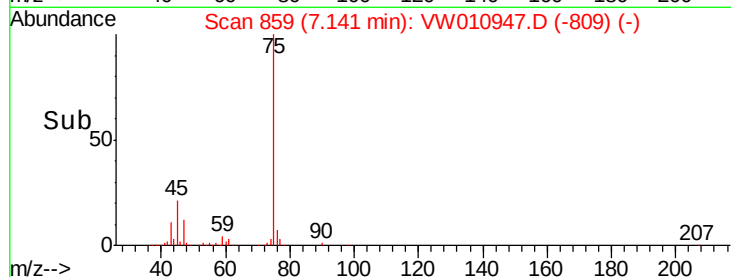
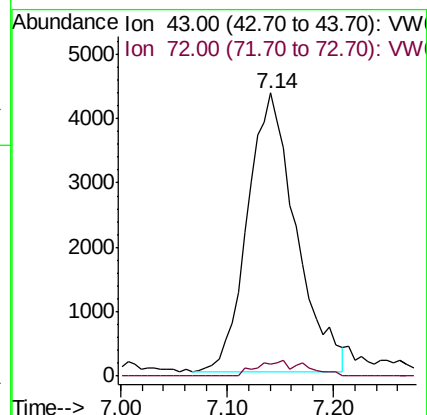
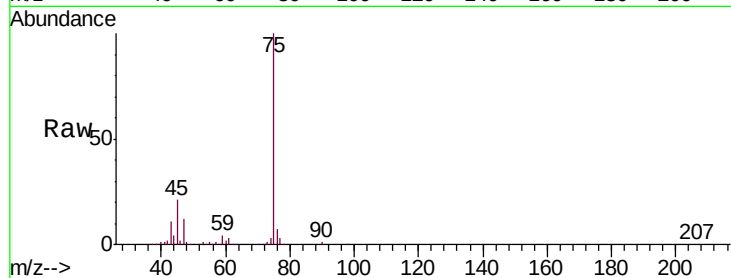
YANYO

Tgt Ion: 43 Resp: 13738

Ion Ratio Lower Upper

43 100

72 1.4 10.9 32.6#



#25

Chloroform

Concen: 1.857 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW010947.D

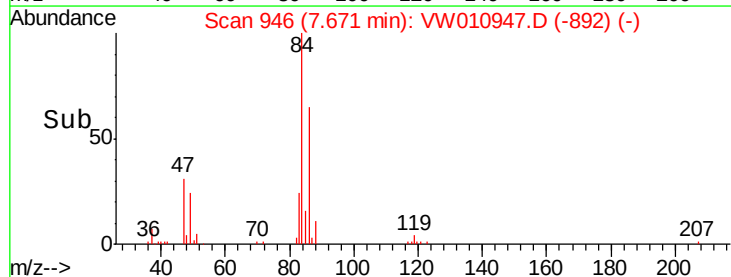
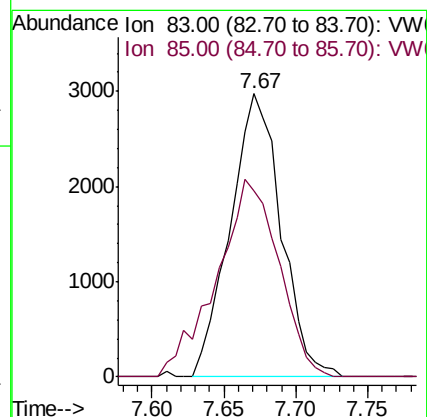
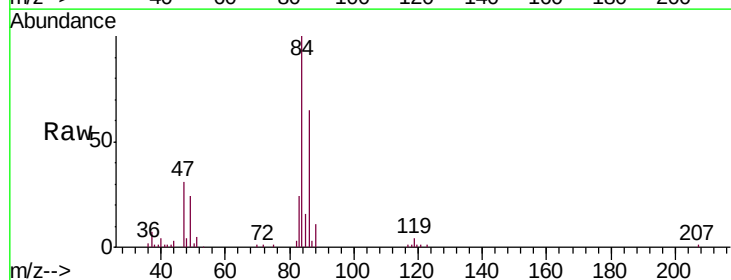
Acq: 24 Jun 2019 23:04

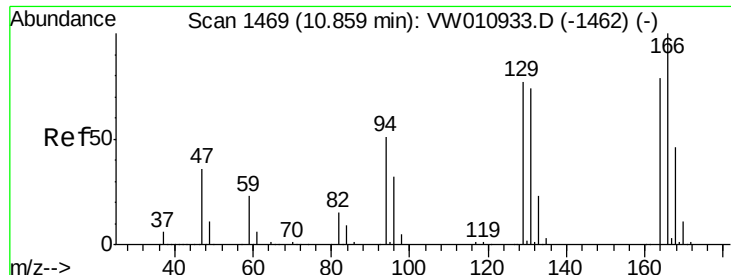
Tgt Ion: 83 Resp: 7319

Ion Ratio Lower Upper

83 100

85 85.0 45.6 84.8#





#47

Tetrachloroethene

Concen: 2.168 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW010947.D

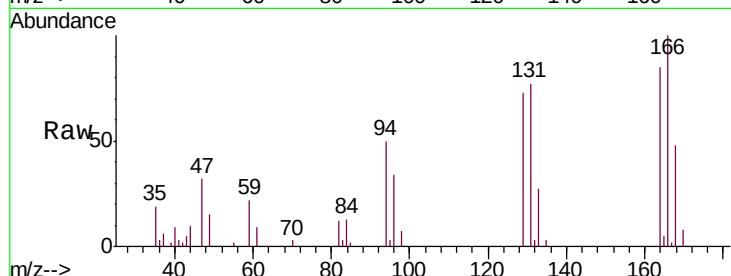
Acq: 24 Jun 2019 23:04

Instrument :

MSVOA_W

ClientSampled :

YANYO



Tgt Ion: 164 Resp: 4354

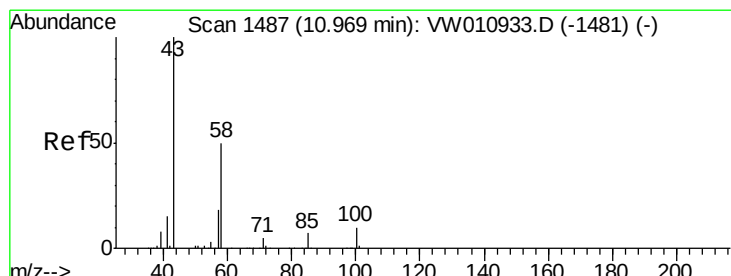
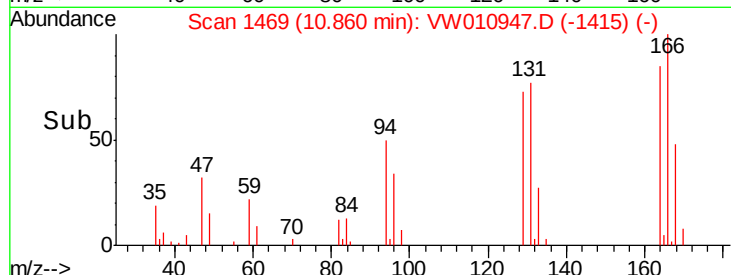
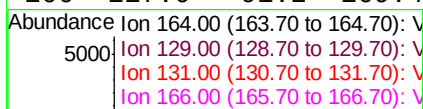
Ion Ratio Lower Upper

164 100

129 85.3 69.6 129.2

131 89.6 66.8 124.0

166 117.0 91.2 169.4



#49

2-Hexanone

Concen: 8.564 ug/L

RT: 10.96 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VW010947.D

Acq: 24 Jun 2019 23:04

Tgt Ion: 43 Resp: 16251

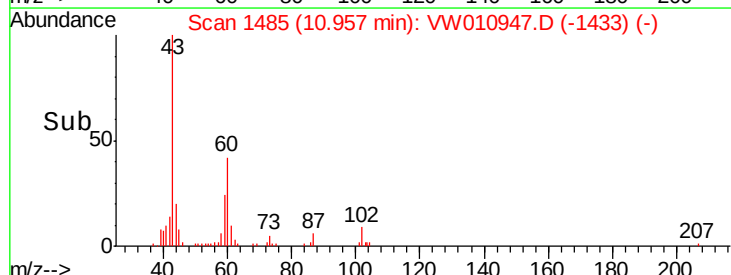
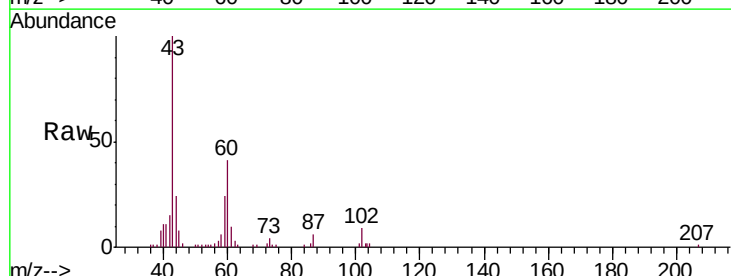
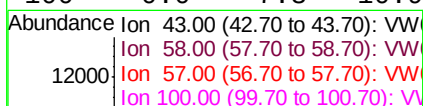
Ion Ratio Lower Upper

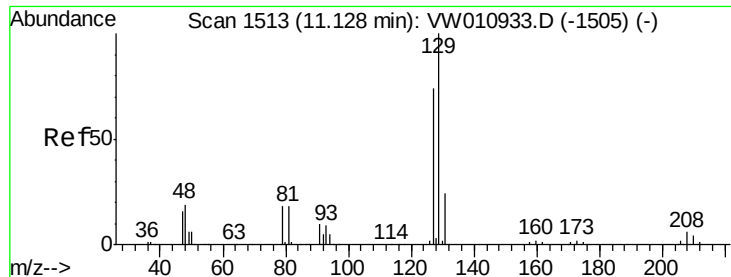
43 100

58 6.8 38.3 57.5#

57 1.8 13.8 20.8#

100 0.0 7.3 10.9#





#50

Dibromochloromethane

Concen: 1.942 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.26 min

Lab File: VW010947.D

Acq: 24 Jun 2019 23:04

Instrument :

MSVOA_W

ClientSampleId :

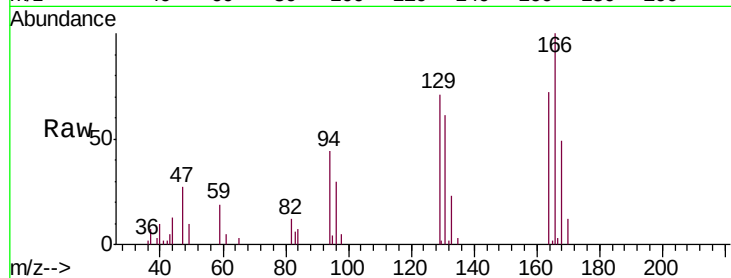
YANYO

Tgt Ion:129 Resp: 4211

Ion Ratio Lower Upper

129 100

127 0.0 52.8 98.2#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

