

Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB4

Quant Time: Aug 09 02:30:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 09 02:27:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	182460	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	93970	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	19305	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	48825	19.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.00%
7) Chloroethane-d5	2.89	69	44590	24.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.40%
10) 1,1-Dichloroethene-d2	4.01	63	85008	14.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	57.72%
20) 2-Butanone-d5	7.07	46	87728	75.83	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	151.66%#
24) Chloroform-d	7.65	84	109445	21.84	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.36%
26) 1,2-Dichloroethane-d4	8.31	65	72934	24.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.36%
29) Benzene-d6	8.27	84	214855	36.36	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	145.44%#
33) 1,2-Dichloropropane-d6	9.27	67	72128	37.81	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	151.24%#
37) Toluene-d8	10.32	98	141254	26.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	107.72%
38) trans-1,3-Dichloropropene-	10.58	79	18180	21.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.96%
39) 2-Hexanone-d5	10.93	63	38784	87.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	174.08%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	54048	34.12	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	136.48%#
61) 1,2-Dichlorobenzene-d4	13.85	152	16994	22.84	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.36%

Target Compounds

					Qvalue
5) Vinyl chloride	2.36	62	2410	0.710 ug/L #	20
13) Acetone	4.12	43	12697	10.248 ug/L	100
21) 2-Butanone	7.18	43	8877	5.714 ug/L	88
22) cis-1,2-Dichloroethene	7.17	96	267454	94.420 ug/L	98
35) Trichloroethene	9.09	95	2008	1.201 ug/L #	81
43) 4-Methyl-2-pentanone	10.21	43	12333	7.744 ug/L	97
44) Toluene	10.38	91	17316	2.588 ug/L	100
49) 2-Hexanone	10.93	43	8372	6.823 ug/L #	56
53) Ethylbenzene	11.73	91	13252	1.776 ug/L	100
54) m,p-Xylene	11.84	106	17558	6.472 ug/L	94
55) o-xylene	12.16	106	5705	2.234 ug/L	90
57) Isopropylbenzene	12.46	105	3344	0.476 ug/L #	79
58) 1,1,2,2-Tetrachloroethane	12.70	83	1684	1.057 ug/L #	7
59) 1,2,3-Trichloropropane	13.55	75	2815	2.292 ug/L	91
69) Naphthalene	15.37	128	8209	5.248 ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080919\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Fri Aug 09 02:27:11 2019
Response via : Initial Calibration

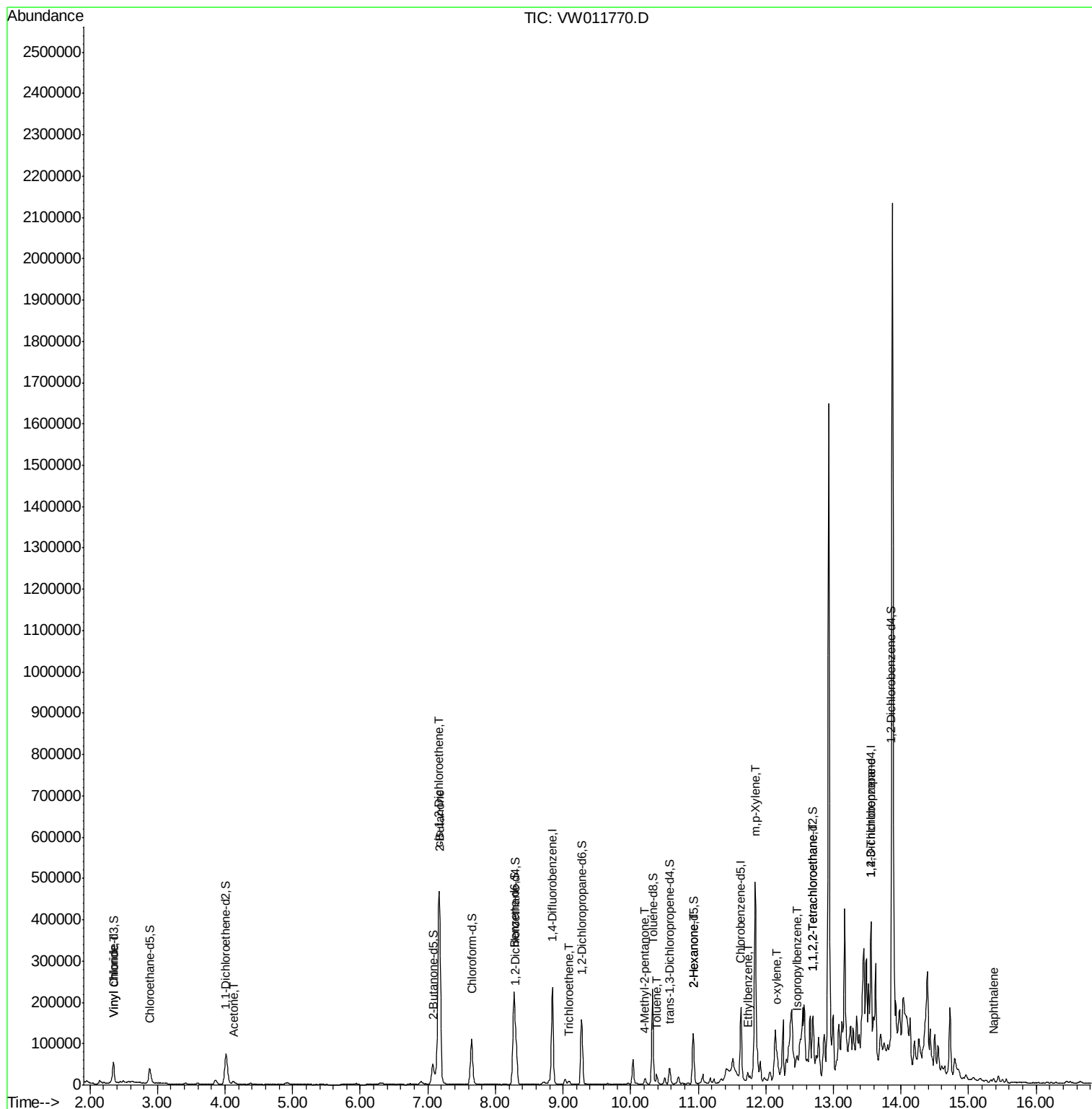
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

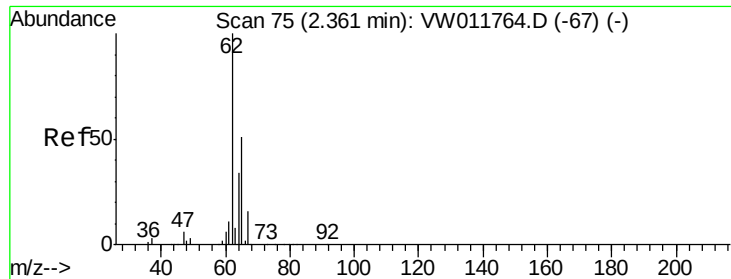
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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QLast Update : Fri Aug 09 02:27:11 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.710 ug/L

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011770.D

Acq: 08 Aug 2019 12:57

Instrument :

MSVOA_W

ClientSampleId :

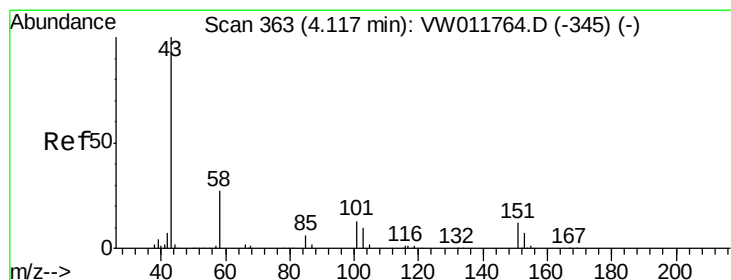
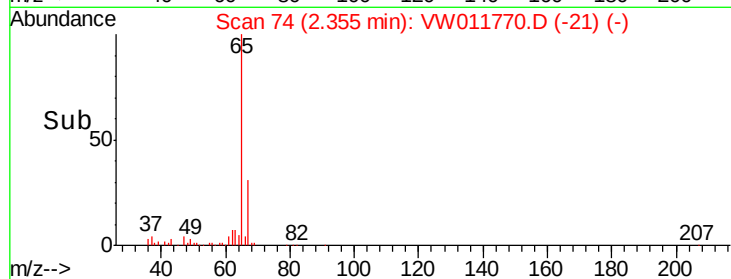
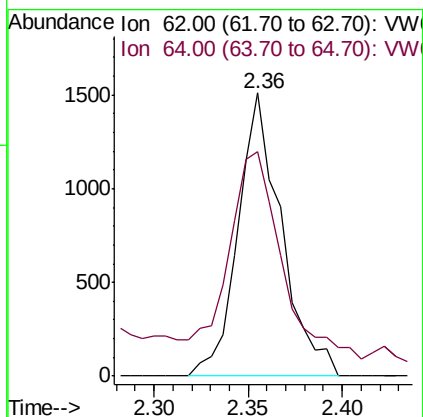
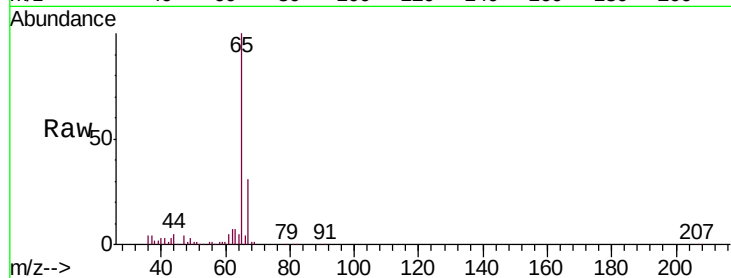
ETOB4

Tgt Ion: 62 Resp: 2410

Ion Ratio Lower Upper

62 100

64 79.3 23.6 43.8#



#13

Acetone

Concen: 10.248 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011770.D

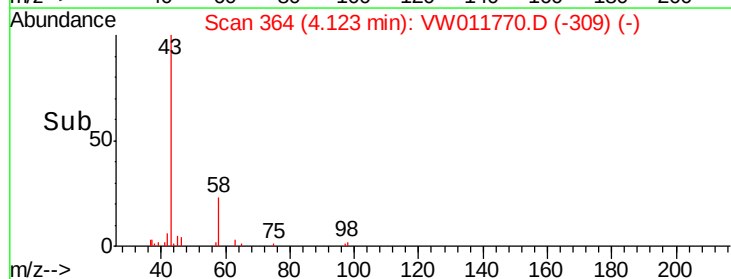
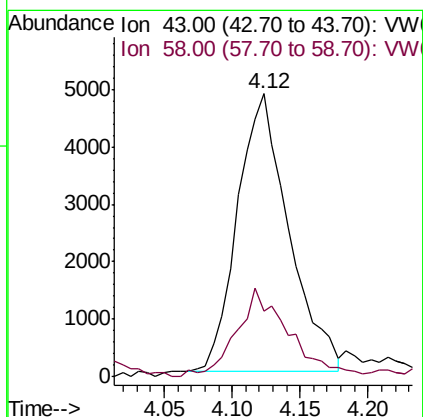
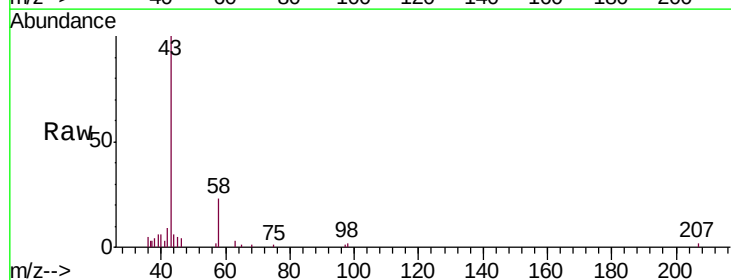
Acq: 08 Aug 2019 12:57

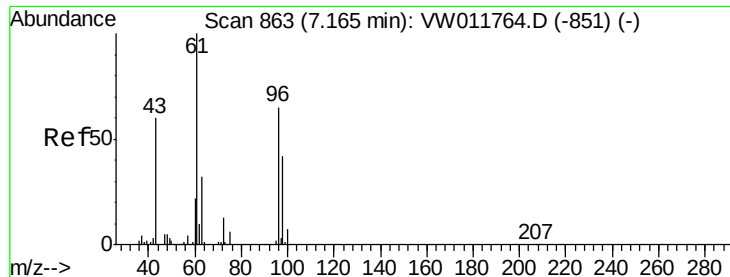
Tgt Ion: 43 Resp: 12697

Ion Ratio Lower Upper

43 100

58 26.5 0.0 53.4





#21

2-Butanone

Concen: 5.714 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW011770.D

Acq: 08 Aug 2019 12:57

Instrument :

MSVOA_W

ClientSampled :

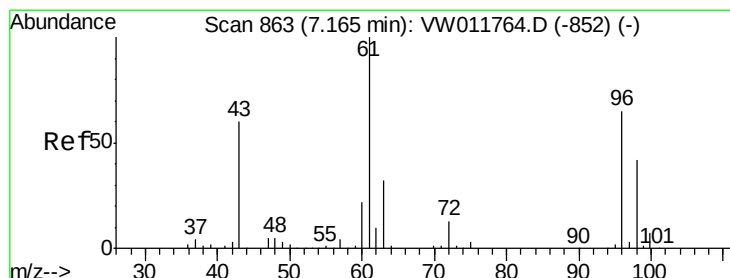
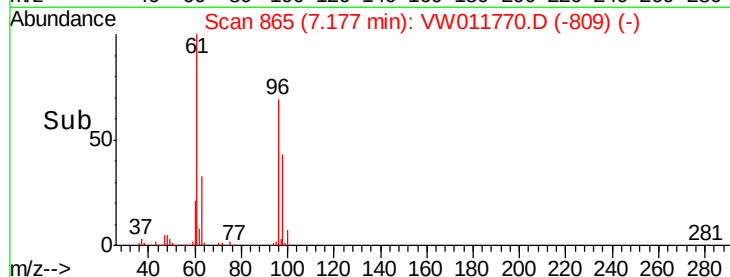
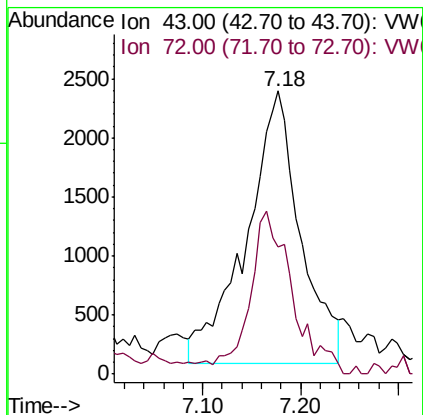
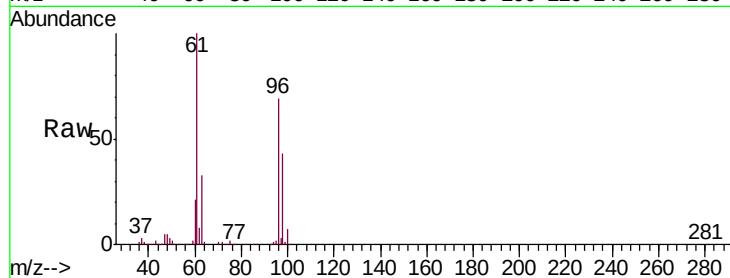
ETOB4

Tgt Ion: 43 Resp: 8877

Ion Ratio Lower Upper

43 100

72 27.2 10.7 32.1



#22

cis-1,2-Dichloroethene

Concen: 94.420 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011770.D

Acq: 08 Aug 2019 12:57

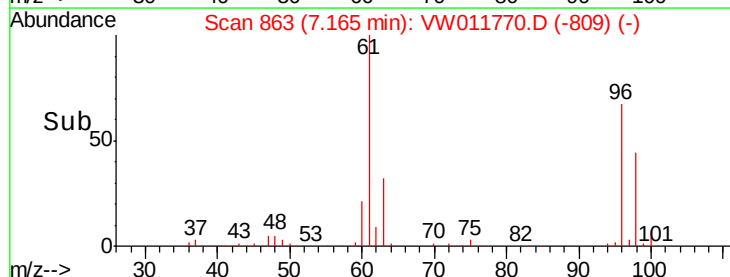
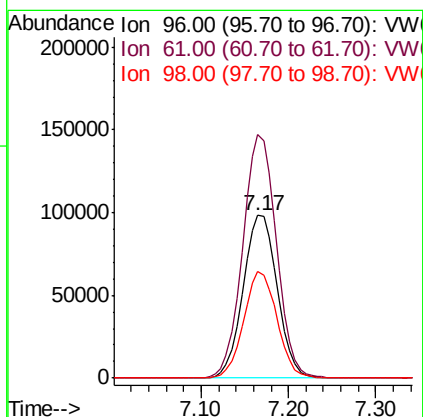
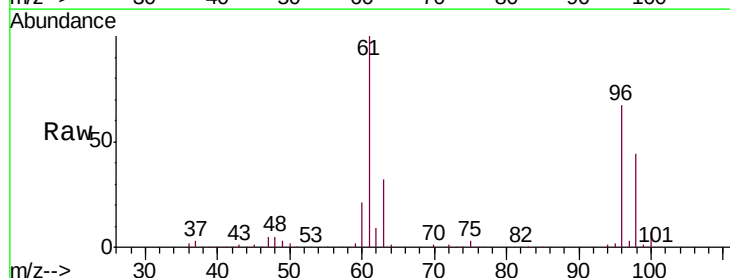
Tgt Ion: 96 Resp: 267454

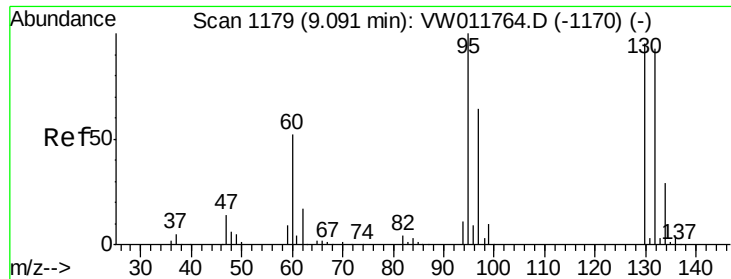
Ion Ratio Lower Upper

96 100

61 149.5 103.9 192.9

98 65.5 43.5 80.9





#35

Trichloroethene

Concen: 1.201 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011770.D

Acq: 08 Aug 2019 12:57

Instrument :

MSVOA_W

ClientSampled :

ETOB4

Tgt Ion: 95 Resp: 2008

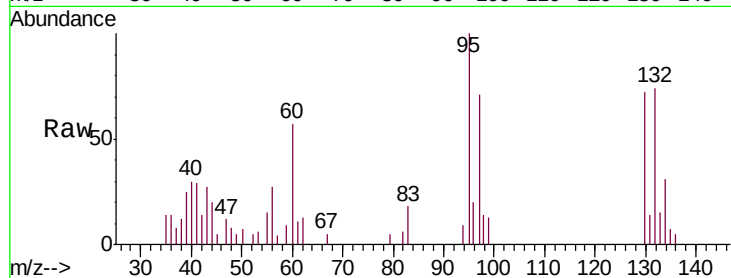
Ion Ratio Lower Upper

95 100

97 71.5 44.8 83.2

132 92.2 65.0 120.6

130 54.8 68.0 126.4#

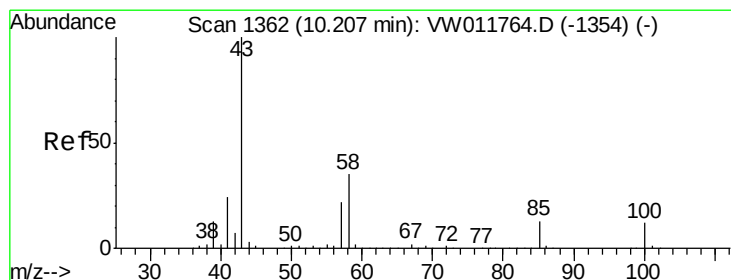
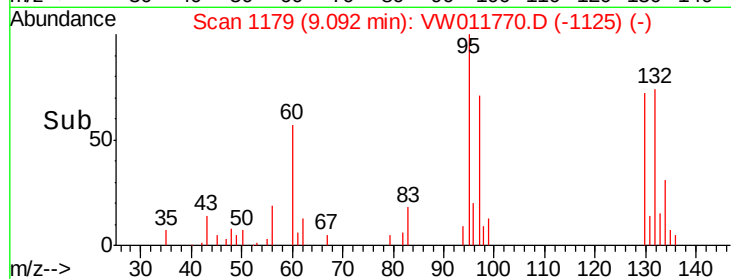
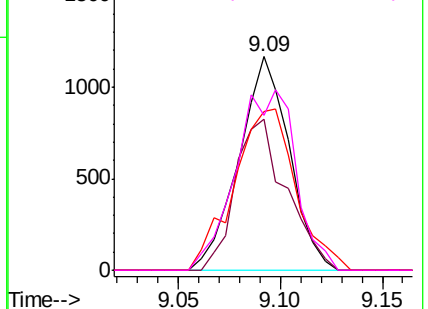


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#43

4-Methyl-2-pentanone

Concen: 7.744 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW011770.D

Acq: 08 Aug 2019 12:57

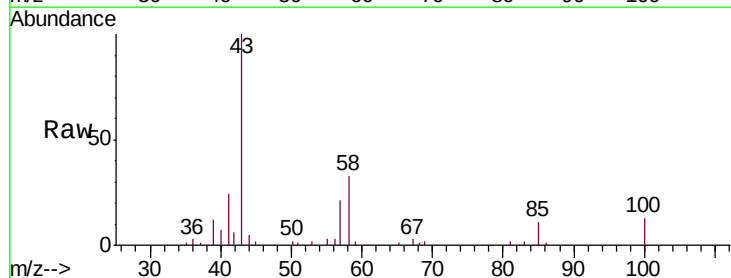
Tgt Ion: 43 Resp: 12333

Ion Ratio Lower Upper

43 100

58 33.9 28.0 42.0

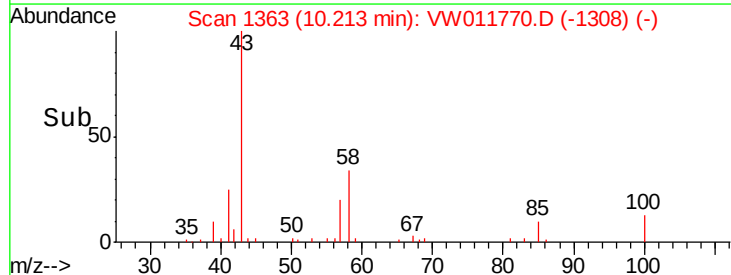
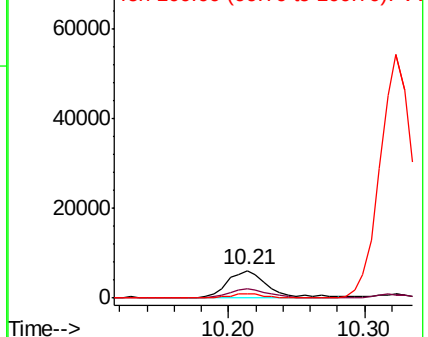
100 13.6 9.4 14.2

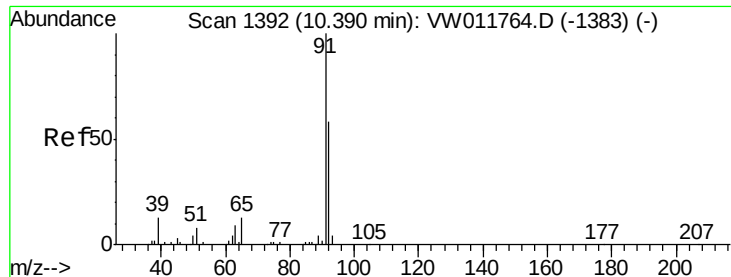


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): V





#44

Toluene

Concen: 2.588 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW011770.D

Acq: 08 Aug 2019 12:57

Instrument :

MSVOA_W

ClientSampled :

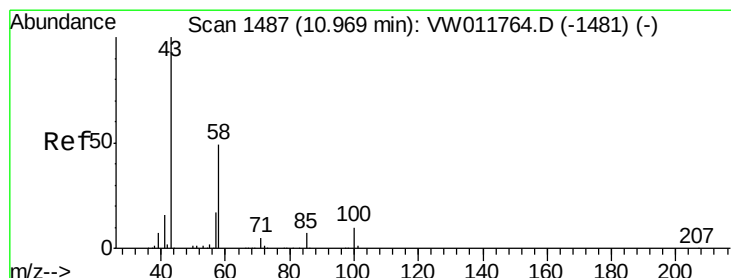
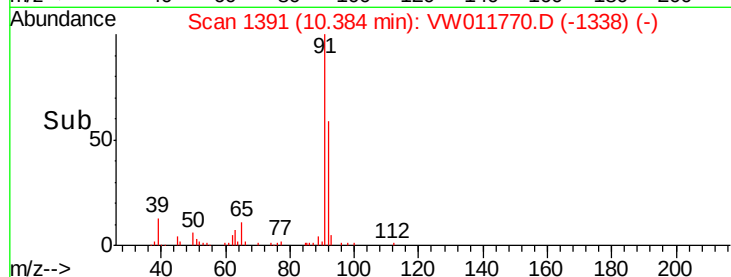
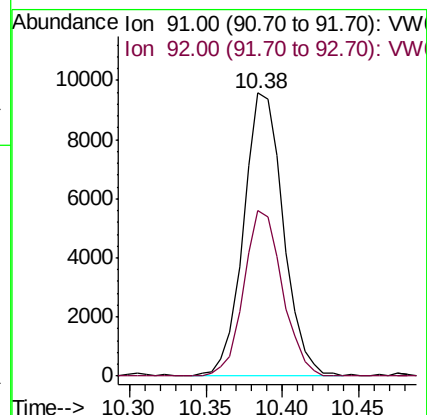
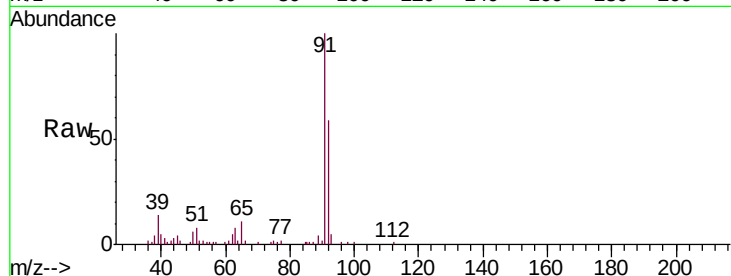
ETOB4

Tgt Ion: 91 Resp: 17316

Ion Ratio Lower Upper

91 100

92 58.6 40.9 76.0



#49

2-Hexanone

Concen: 6.823 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW011770.D

Acq: 08 Aug 2019 12:57

Tgt Ion: 43 Resp: 8372

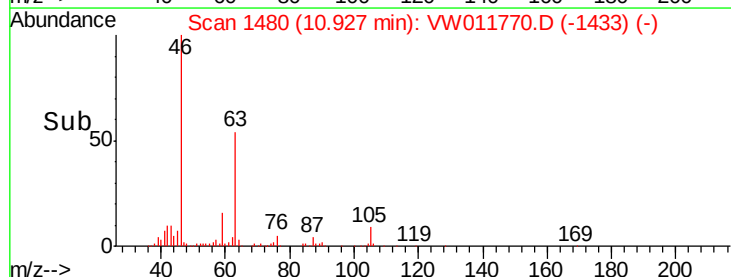
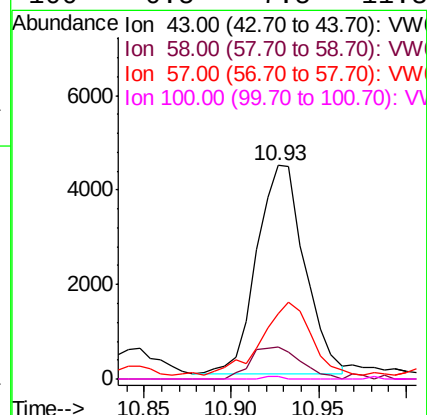
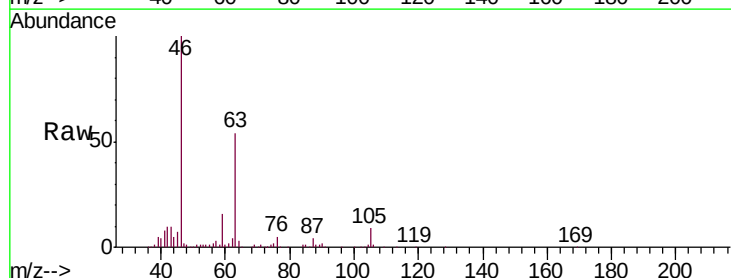
Ion Ratio Lower Upper

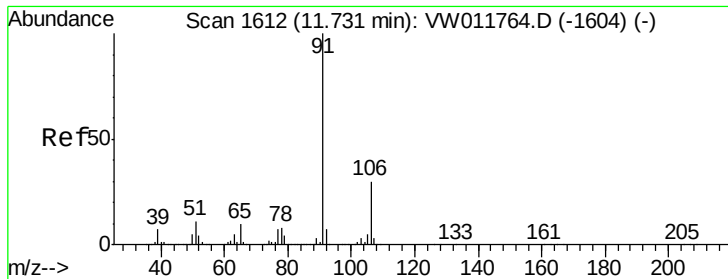
43 100

58 16.2 38.6 57.8#

57 35.6 13.0 19.6#

100 0.5 7.5 11.3#





#53

Ethylbenzene

Concen: 1.776 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW011770.D

Acq: 08 Aug 2019 12:57

Instrument :

MSVOA_W

ClientSampleId :

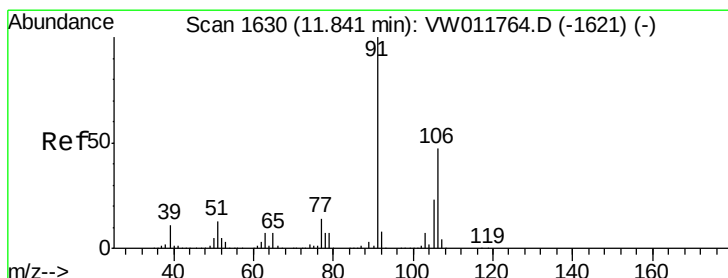
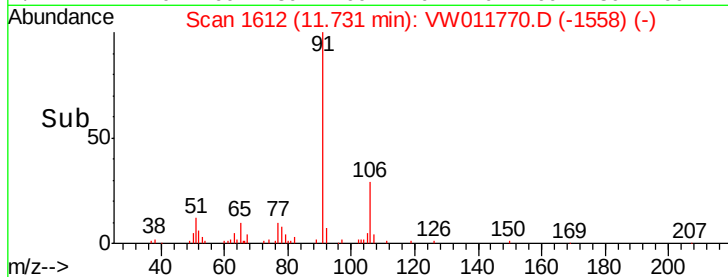
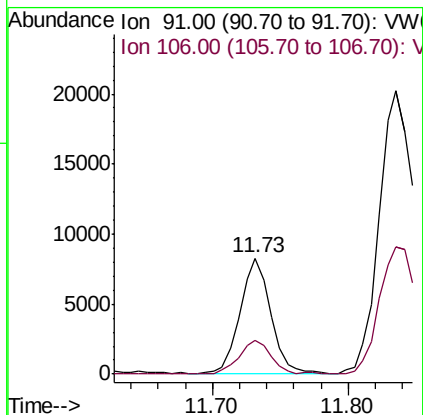
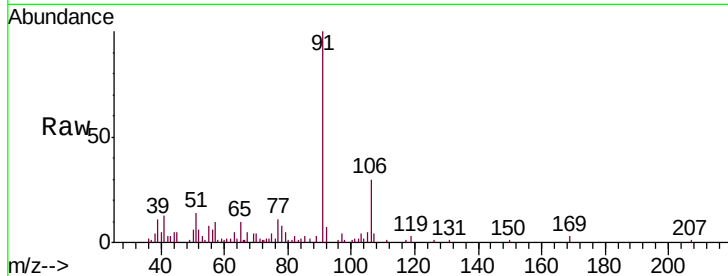
ETOB4

Tgt Ion: 91 Resp: 13252

Ion Ratio Lower Upper

91 100

106 29.6 20.6 38.4



#54

m,p-Xylene

Concen: 6.472 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW011770.D

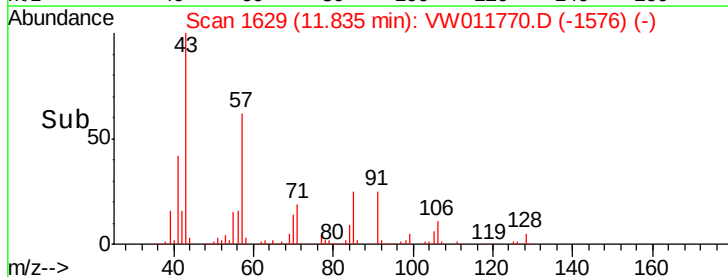
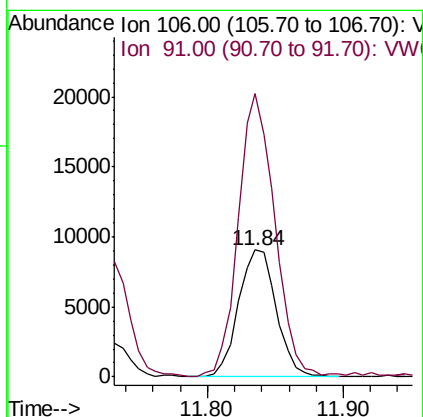
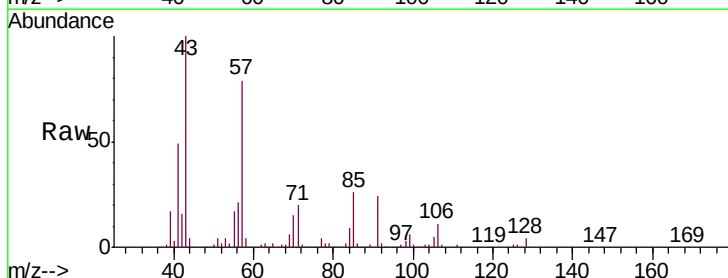
Acq: 08 Aug 2019 12:57

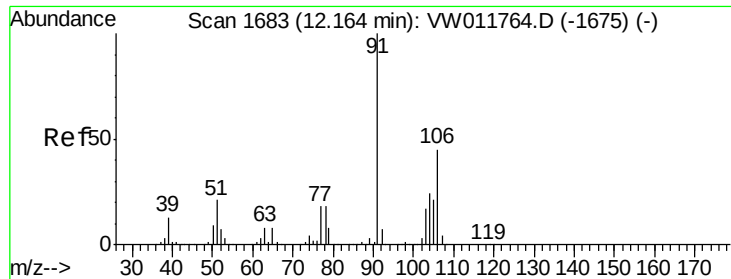
Tgt Ion: 106 Resp: 17558

Ion Ratio Lower Upper

106 100

91 222.9 149.6 277.8

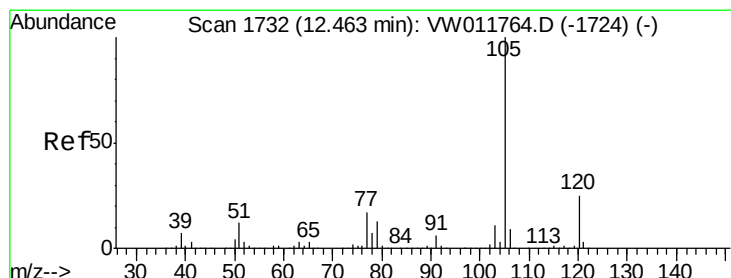
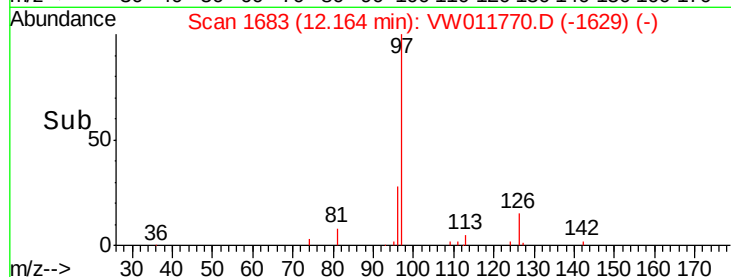
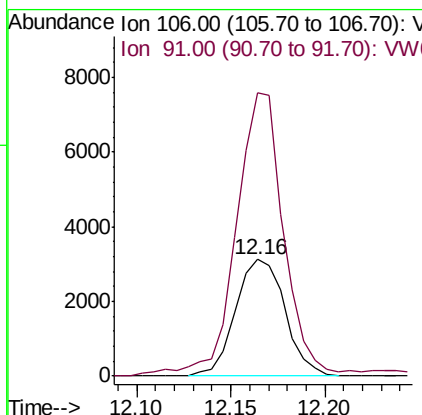
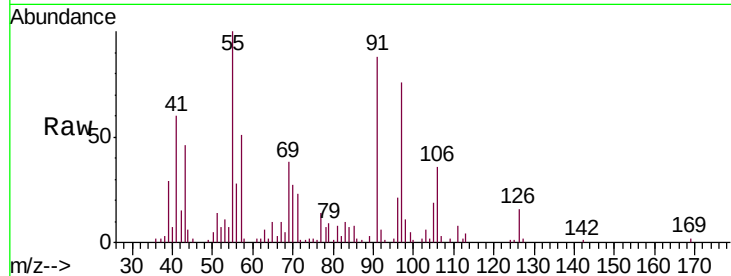




#55
o-xylene
Concen: 2.234 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011770.D
Acq: 08 Aug 2019 12:57

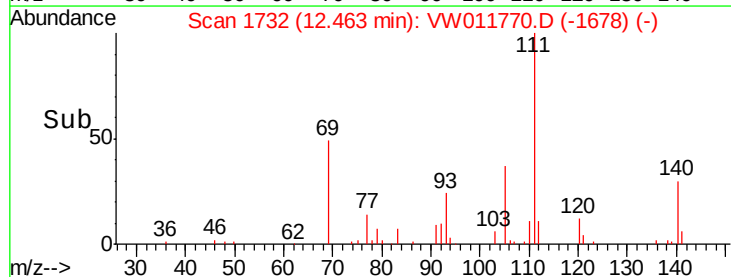
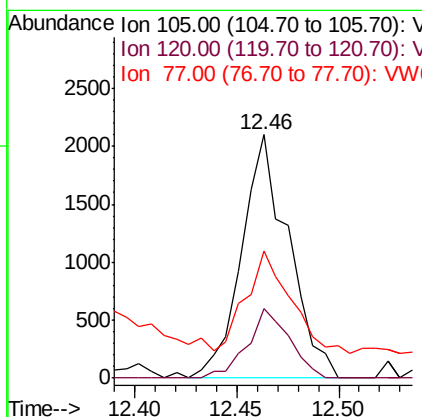
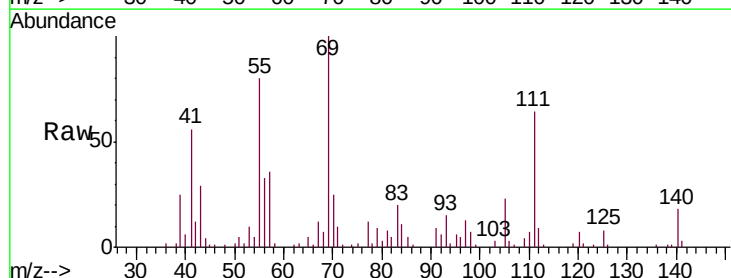
Instrument :
MSVOA_W
ClientSampled :
ETOB4

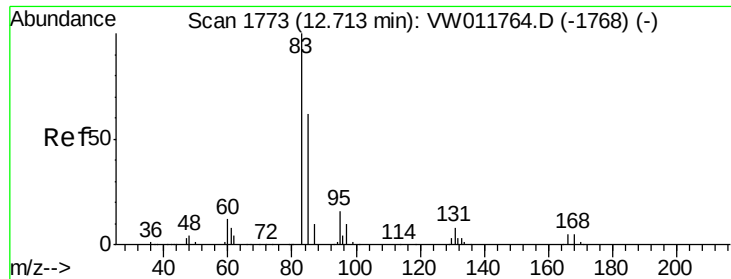
Tgt Ion:106 Resp: 5705
Ion Ratio Lower Upper
106 100
91 242.7 158.3 293.9



#57
Isopropylbenzene
Concen: 0.476 ug/L
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW011770.D
Acq: 08 Aug 2019 12:57

Tgt Ion:105 Resp: 3344
Ion Ratio Lower Upper
105 100
120 25.6 20.6 30.8
77 40.0 13.4 20.2#





#58

1,1,2,2-Tetrachloroethane

Concen: 1.057 ug/L

RT: 12.70 min Scan# 1771

Delta R.T. -0.01 min

Lab File: VW011770.D

Acq: 08 Aug 2019 12:57

Instrument :

MSVOA_W

ClientSampleId :

ETOB4

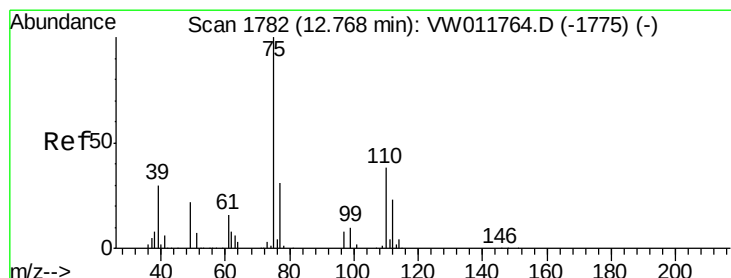
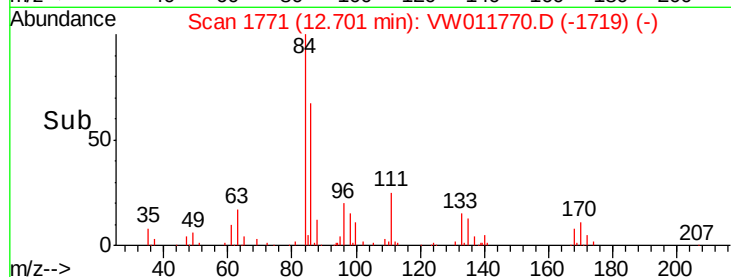
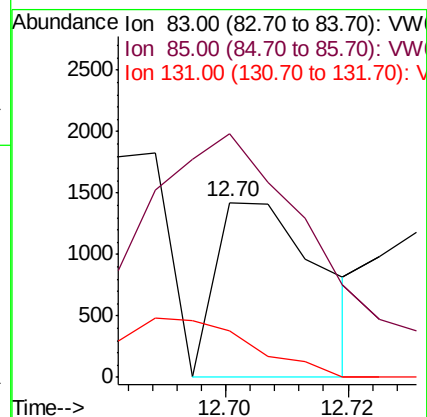
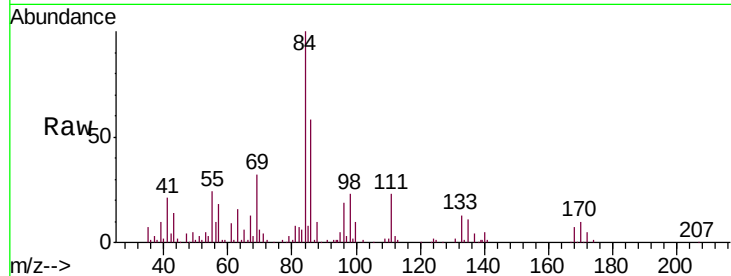
Tgt Ion: 83 Resp: 1684

Ion Ratio Lower Upper

83 100

85 139.1 43.5 80.9#

131 26.7 7.5 11.3#



#59

1,2,3-Trichloropropane

Concen: 2.292 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW011770.D

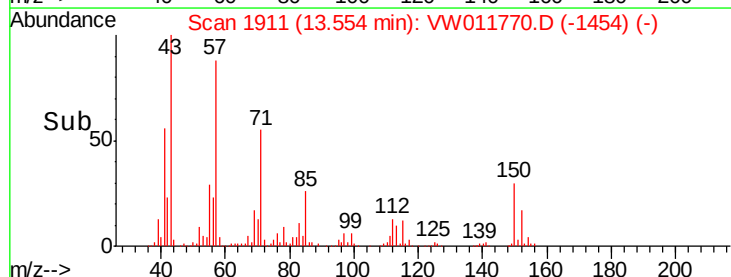
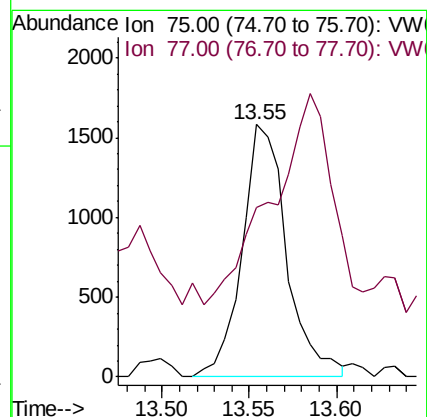
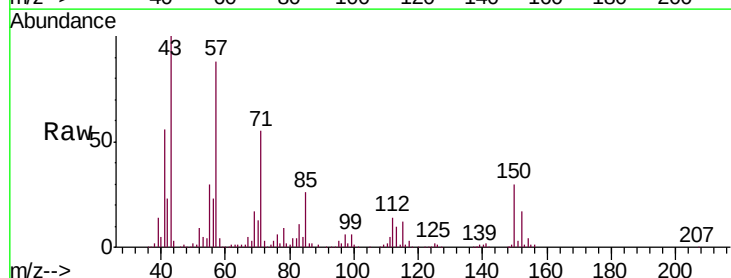
Acq: 08 Aug 2019 12:57

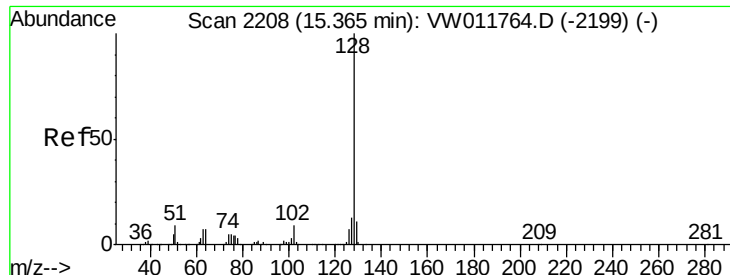
Tgt Ion: 75 Resp: 2815

Ion Ratio Lower Upper

75 100

77 36.5 25.1 37.7





#69

Naphthalene

Concen: 5.248 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW011770.D

Acq: 08 Aug 2019 12:57

Instrument :

MSVOA_W

ClientSampleId :

ETOB4

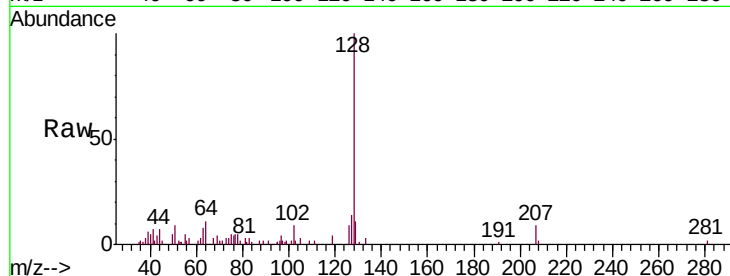
Tgt Ion:128 Resp: 8209

Ion Ratio Lower Upper

128 100

129 12.2 8.7 13.1

127 12.7 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

