

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082819\
 Data File : VW012280.D
 Acq On : 29 Aug 2019 04:11
 Operator : SY/VA
 Sample : K4498-03
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SIDEWALL-3

Quant Time: Aug 29 07:46:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	262805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	432706	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	367741	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	151701	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	168500	53.94	ug/l	0.00
Spiked Amount			Recovery	=	107.88%	
35) Dibromofluoromethane	7.88	113	133911	51.85	ug/l	0.00
Spiked Amount			Recovery	=	103.70%	
50) Toluene-d8	10.32	98	592079	56.54	ug/l	0.00
Spiked Amount			Recovery	=	113.08%	
62) 4-Bromofluorobenzene	12.62	95	195142	52.86	ug/l	0.00
Spiked Amount			Recovery	=	105.72%	

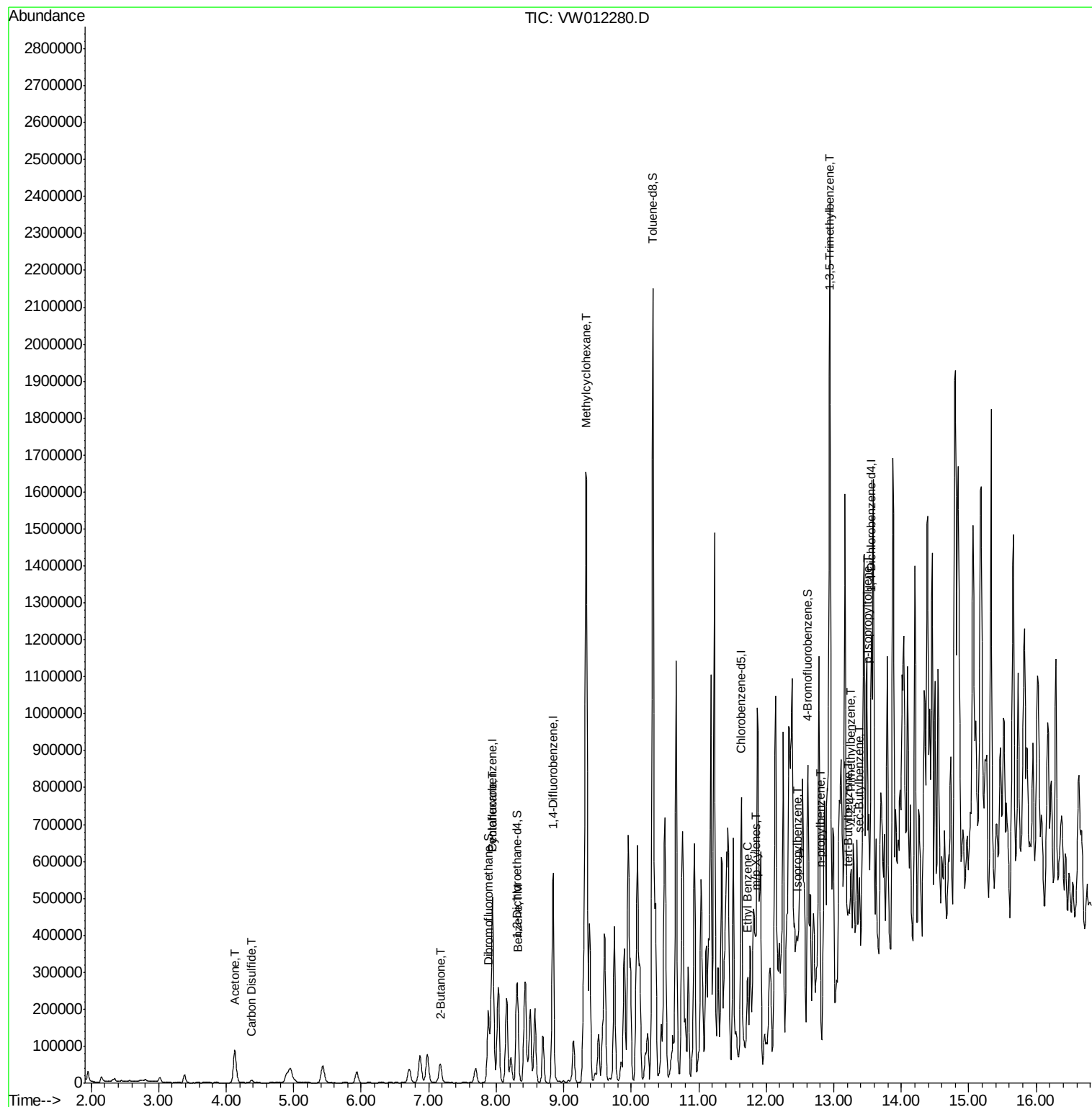
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.13	43	177297	222.013	ug/l	98
17) Carbon Disulfide	4.39	76	12868	1.615	ug/l	97
25) 2-Butanone	7.17	43	77868	71.755	ug/l	96
31) Cyclohexane	7.95	56	101968	18.121	ug/l	96
39) Methylcyclohexane	9.34	83	585013	116.458	ug/l	98
40) Benzene	8.32	78	104477	8.557	ug/l	97
67) Ethyl Benzene	11.73	91	24958	1.789	ug/l	94
68) m/p-Xylenes	11.84	106	41909	8.341	ug/l	98
73) Isopropylbenzene	12.46	105	53788	4.732	ug/l	100
78) n-propylbenzene	12.80	91	43555	3.139	ug/l #	55
80) 1,3,5-Trimethylbenzene	12.94	105	668410	70.371	ug/l	98
83) tert-Butylbenzene	13.21	119	18858	2.344	ug/l	87
84) 1,2,4-Trimethylbenzene	13.25	105	133232	13.964	ug/l	97
85) sec-Butylbenzene	13.38	105	60905	5.284	ug/l	81
86) p-Isopropyltoluene	13.50	119	139918	13.592	ug/l	100

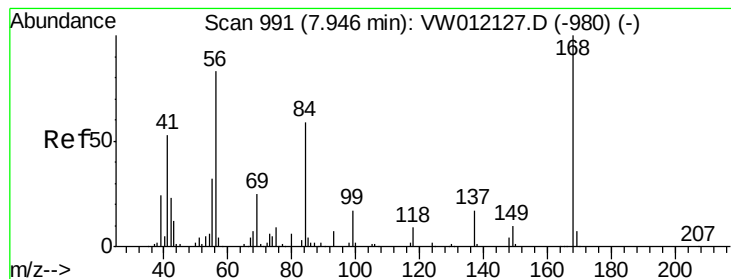
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012280.D

Acq: 29 Aug 2019 04:11

Instrument :

MSVOA_W

ClientSampleId :

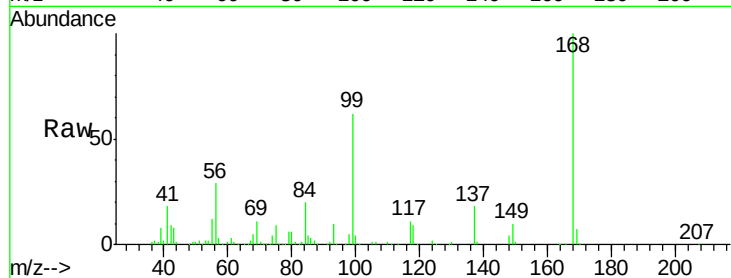
SIDEWALL-3

Tot Ion:168 Resp: 262805

Ion Ratio Lower Upper

168 100

99 62.0 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

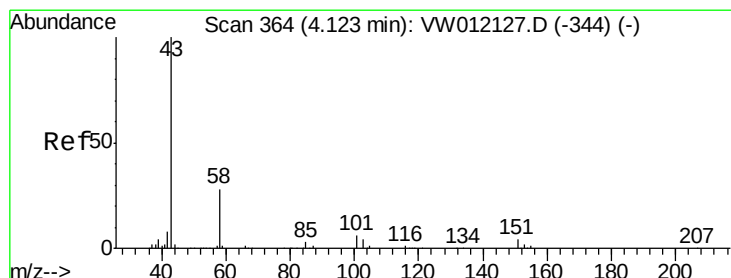
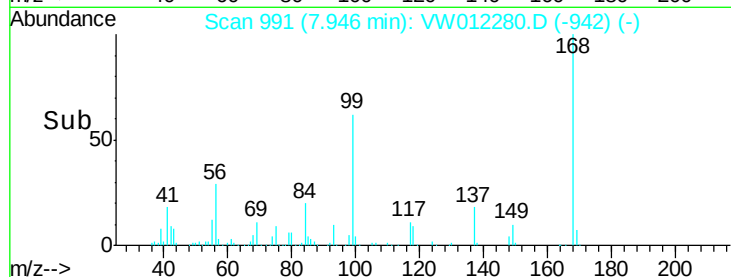
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 222.013 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012280.D

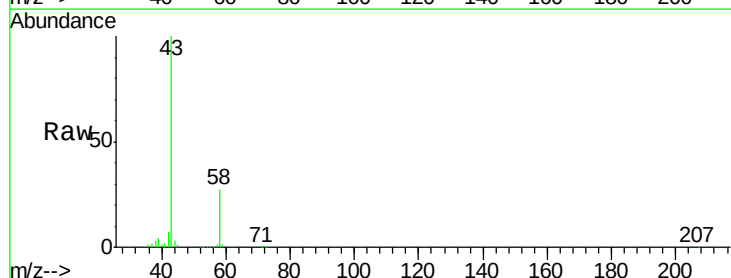
Acq: 29 Aug 2019 04:11

Tgt Ion: 43 Resp: 177297

Ion Ratio Lower Upper

43 100

58 26.8 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

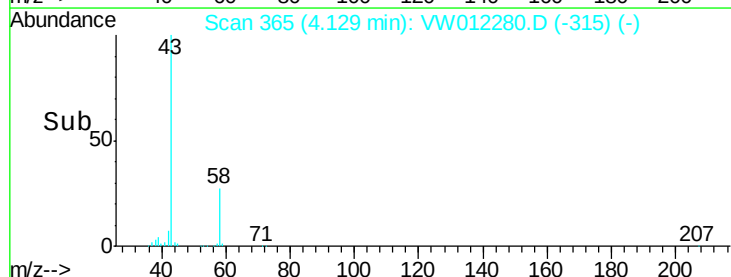
60000

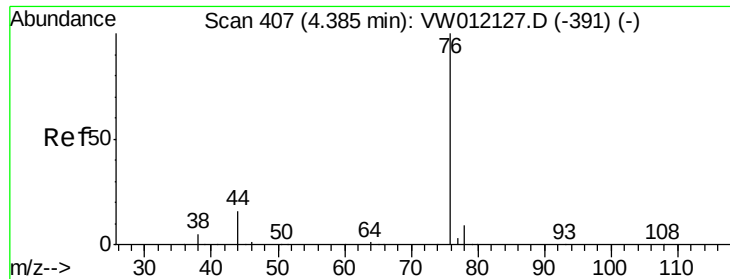
40000

20000

0

Time--> 4.00 4.10 4.20 4.30





#17

Carbon Disulfide

Concen: 1.615 ug/l

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW012280.D

Acq: 29 Aug 2019 04:11

Instrument :

MSVOA_W

ClientSampleId :

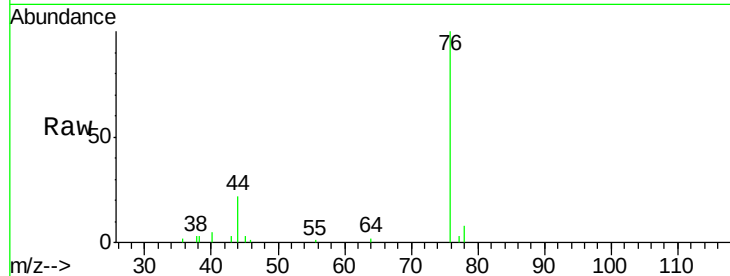
SIDEWALL-3

Tot Ion: 76 Resp: 12868

Ion Ratio Lower Upper

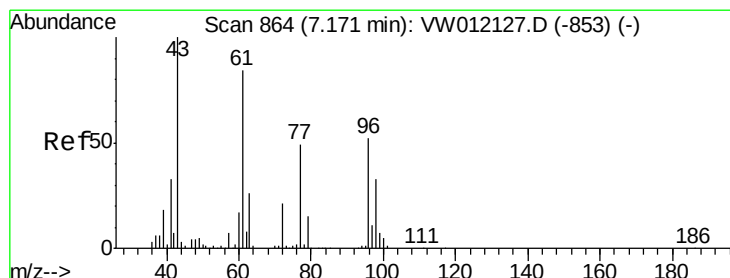
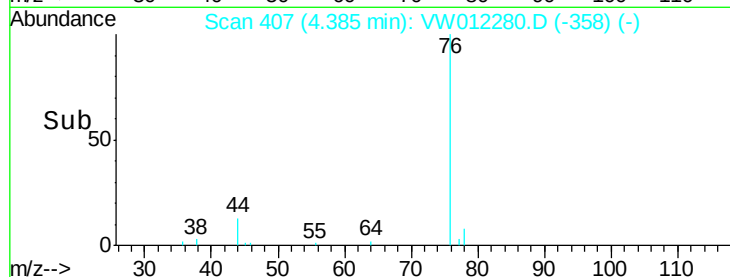
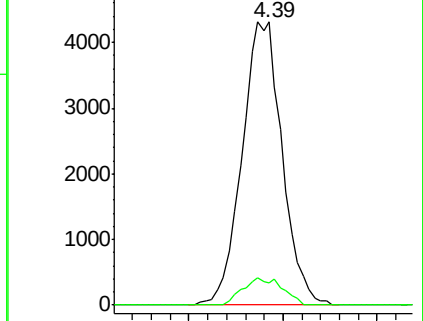
76 100

78 8.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#25

2-Butanone

Concen: 71.755 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012280.D

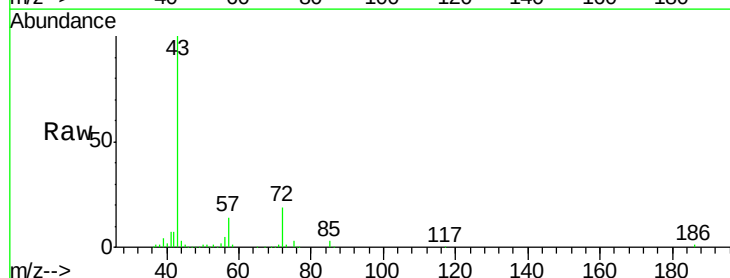
Acq: 29 Aug 2019 04:11

Tgt Ion: 43 Resp: 77868

Ion Ratio Lower Upper

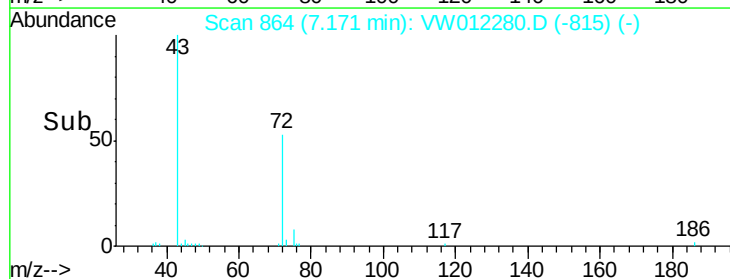
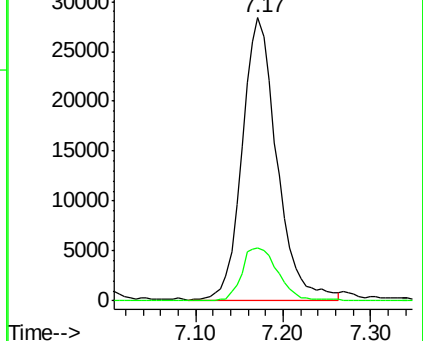
43 100

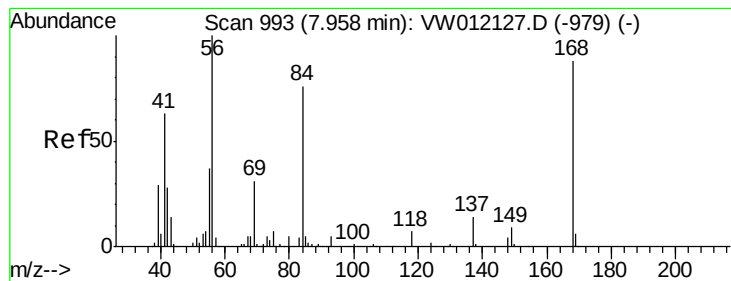
72 18.8 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 18.121 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012280.D

Acq: 29 Aug 2019 04:11

Instrument :

MSVOA_W

ClientSampleId :

SIDEWALL-3

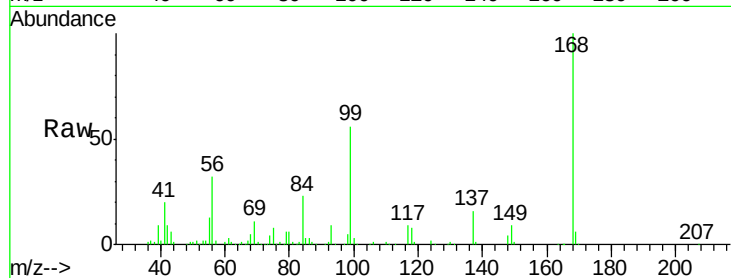
Tot Ion: 56 Resp: 101968

Ion Ratio Lower Upper

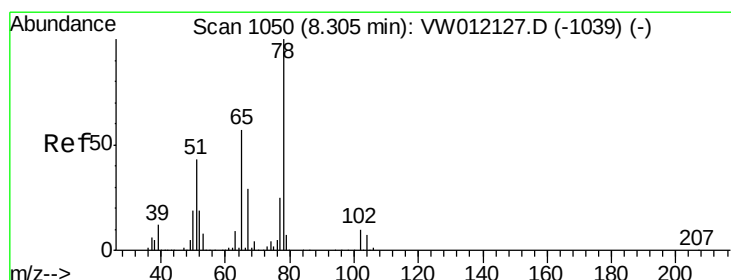
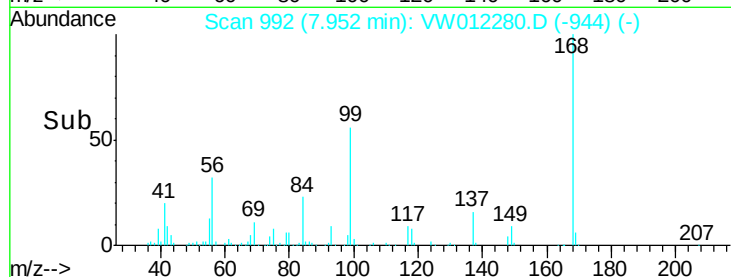
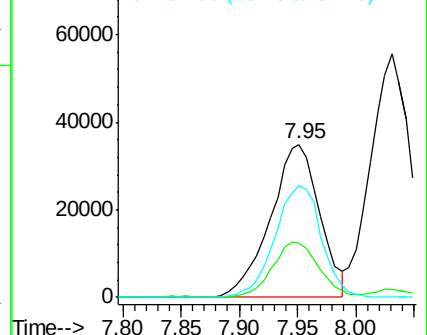
56 100

69 35.4 24.9 37.3

84 73.4 60.6 90.8



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 53.935 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012280.D

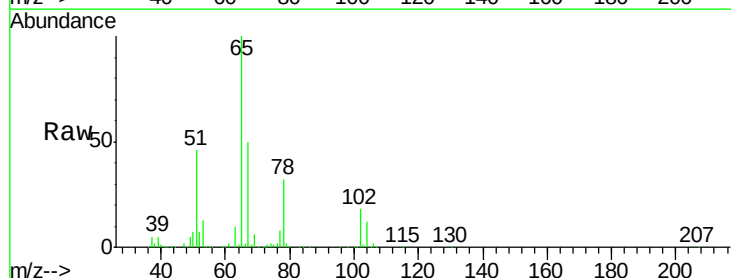
Acq: 29 Aug 2019 04:11

Tgt Ion: 65 Resp: 168500

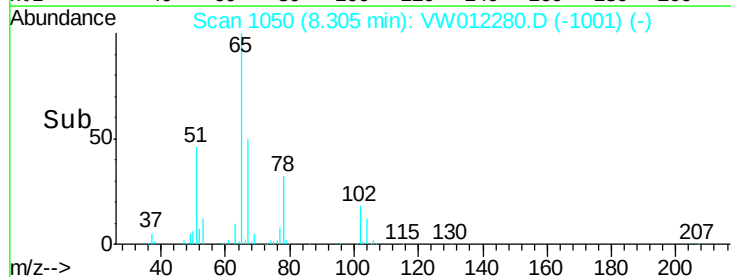
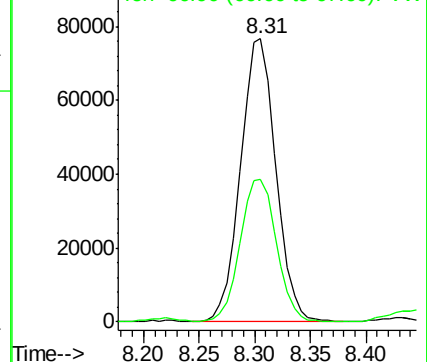
Ion Ratio Lower Upper

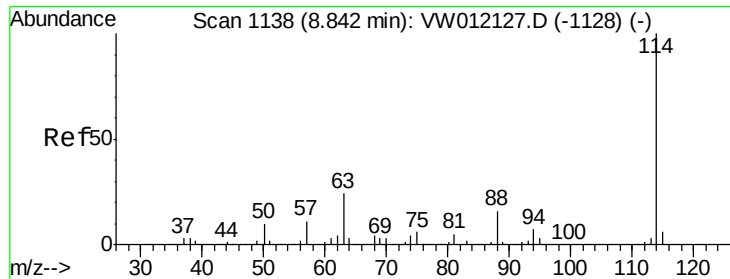
65 100

67 51.5 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012280.D

Acq: 29 Aug 2019 04:11

Instrument :

MSVOA_W

ClientSampleId :

SIDEWALL-3

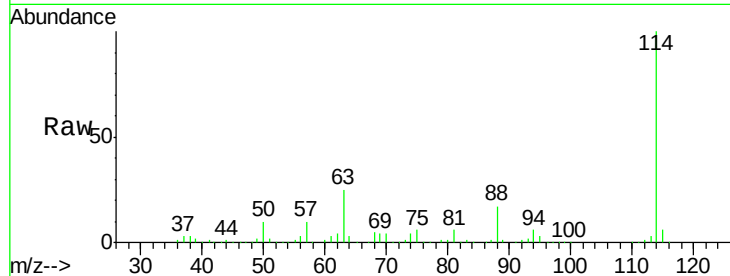
Tot Ion:114 Resp: 432706

Ion Ratio Lower Upper

114 100

63 24.5 0.0 48.6

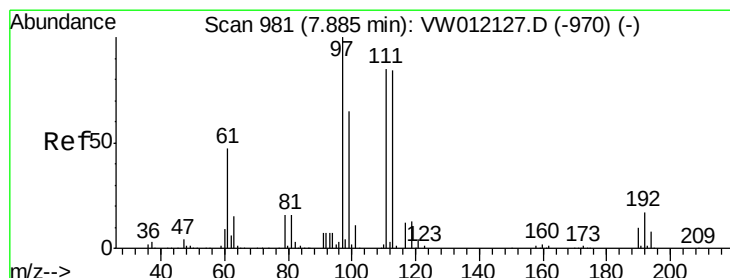
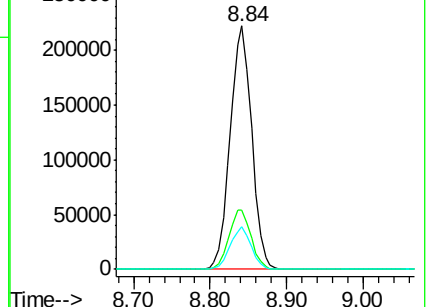
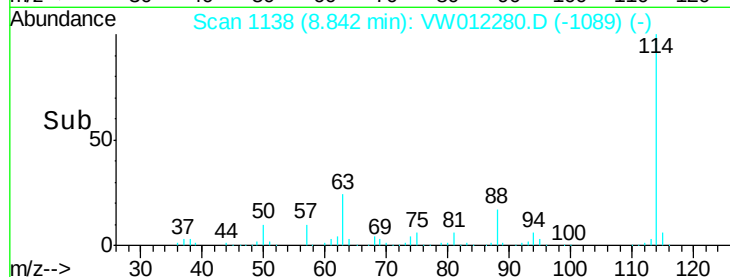
88 17.4 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 51.846 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012280.D

Acq: 29 Aug 2019 04:11

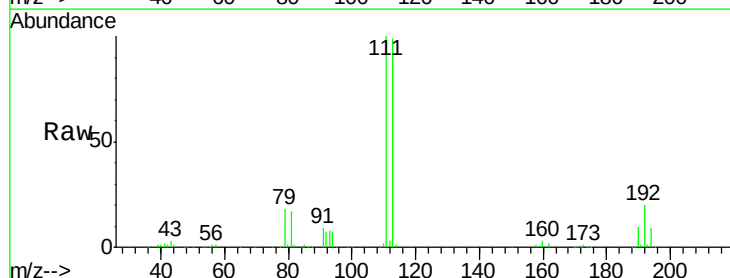
Tgt Ion:113 Resp: 133911

Ion Ratio Lower Upper

113 100

111 102.2 82.7 124.1

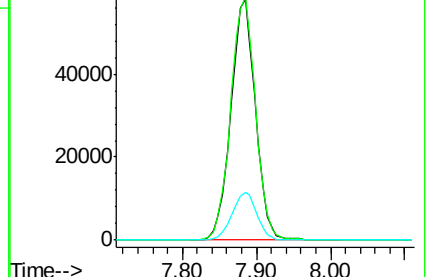
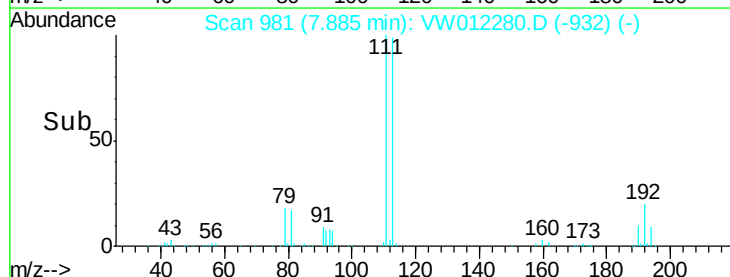
192 20.0 16.2 24.2

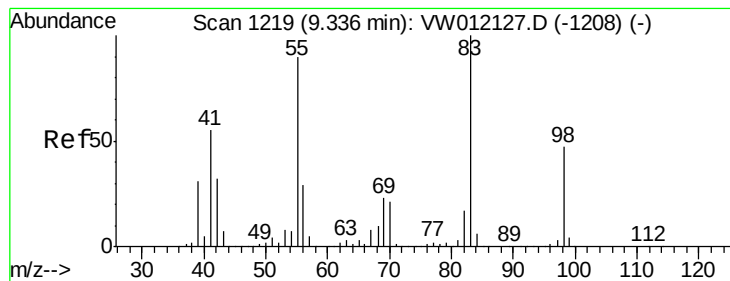


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#39

Methylvlcyclohexane

Concen: 116.458 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW012280.D

Acq: 29 Aug 2019 04:11

Instrument :

MSVOA_W

ClientSampleId :

SIDEWALL-3

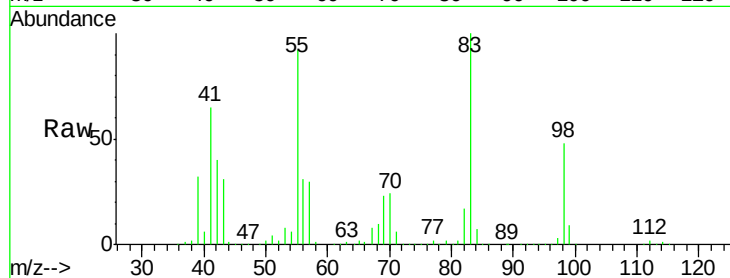
Tot Ion: 83 Resp: 585013

Ion Ratio Lower Upper

83 100

55 92.4 71.8 107.8

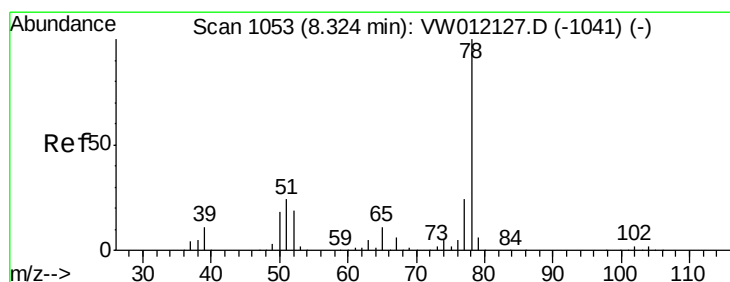
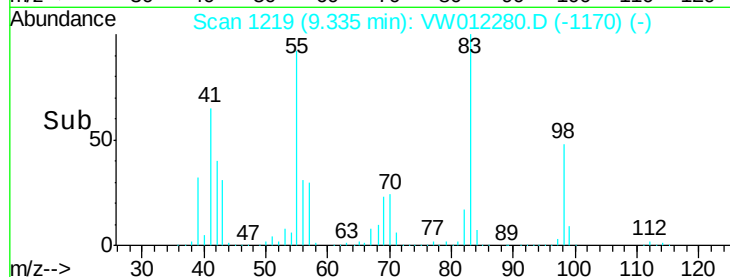
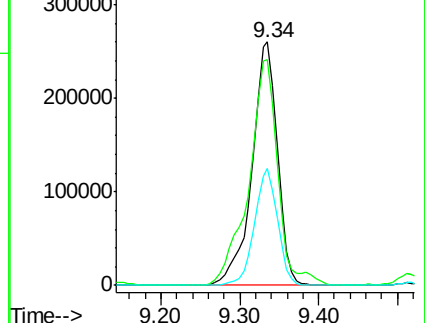
98 48.1 37.8 56.8



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



#40

Benzene

Concen: 8.557 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW012280.D

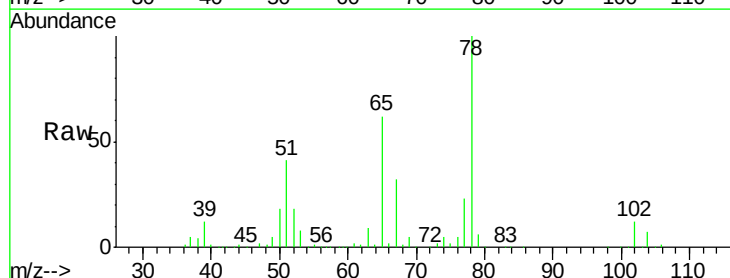
Acq: 29 Aug 2019 04:11

Tgt Ion: 78 Resp: 104477

Ion Ratio Lower Upper

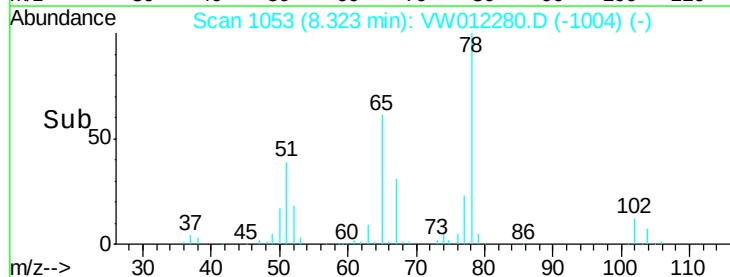
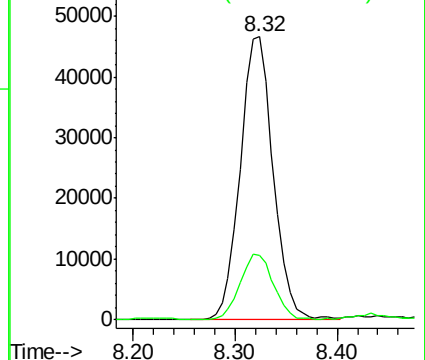
78 100

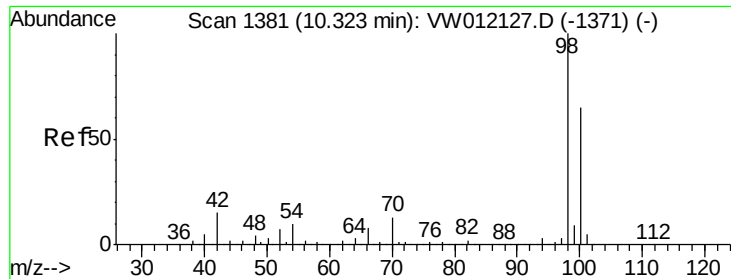
77 22.7 19.5 29.3



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW

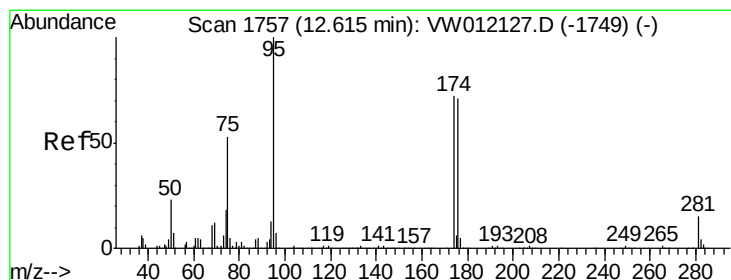
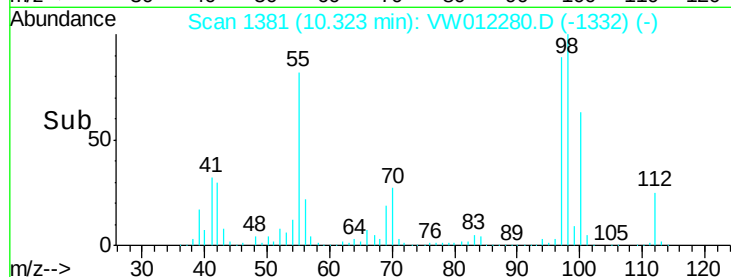
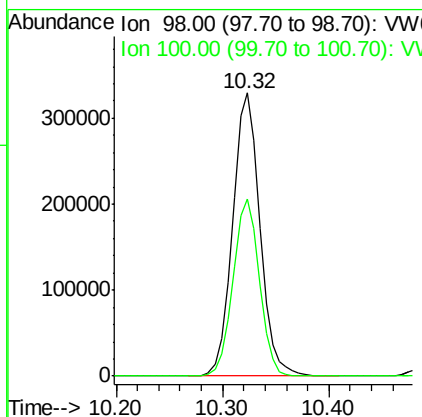
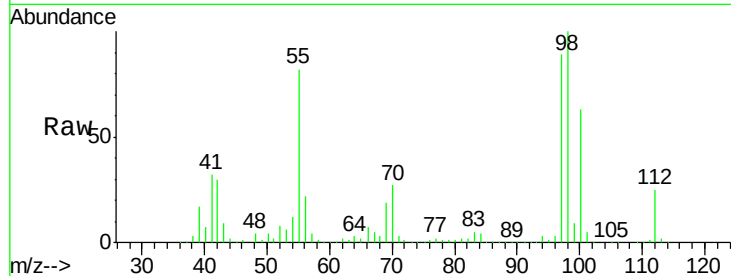




#50
Toluene-d8
Concen: 56.536 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012280.D
Acq: 29 Aug 2019 04:11

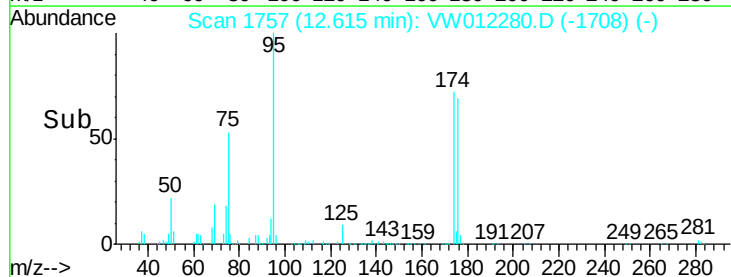
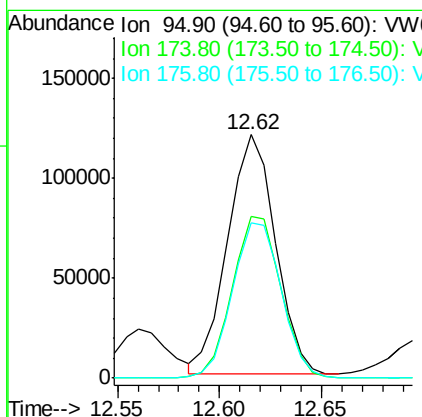
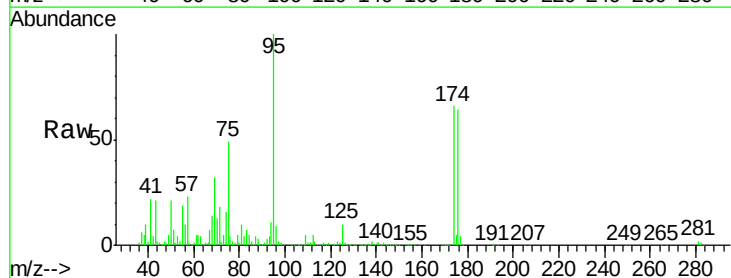
Instrument :
MSVOA_W
ClientSampleId :
SIDEWALL-3

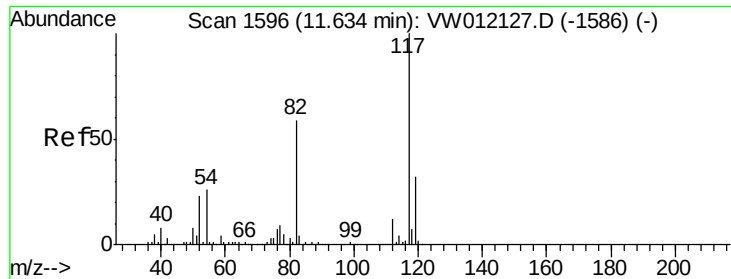
Tot Ion: 98 Resp: 592079
Ion Ratio Lower Upper
98 100
100 60.2 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 52.861 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012280.D
Acq: 29 Aug 2019 04:11

Tgt Ion: 95 Resp: 195142
Ion Ratio Lower Upper
95 100
174 68.4 0.0 150.8
176 66.5 0.0 148.6

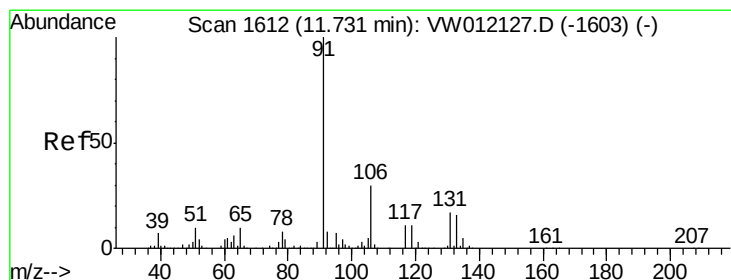
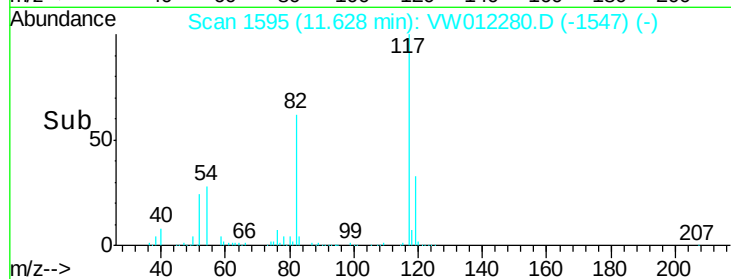
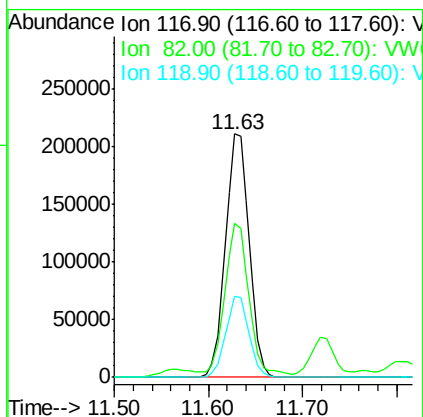
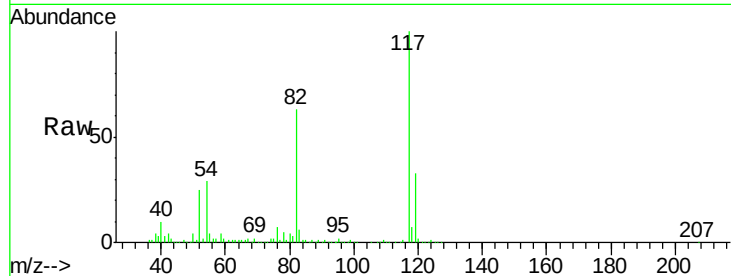




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012280.D
Acq: 29 Aug 2019 04:11

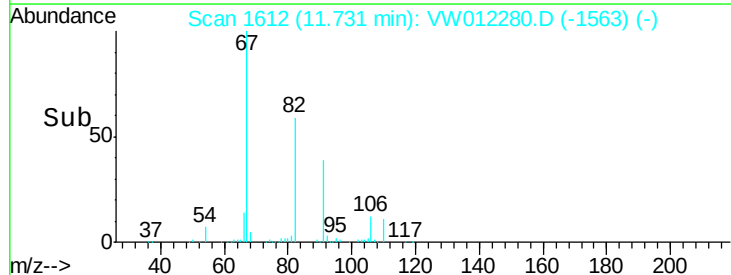
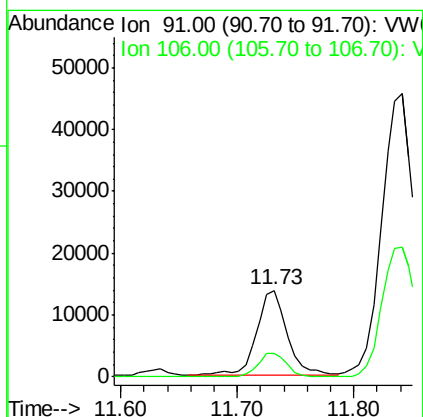
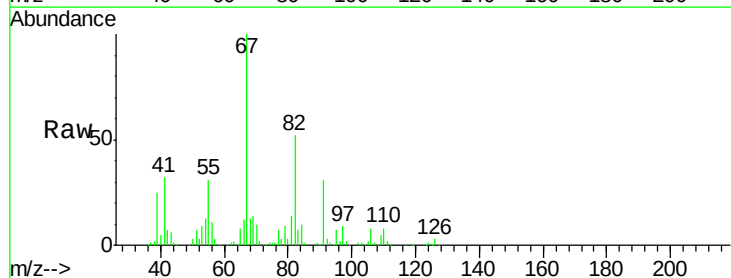
Instrument :
MSVOA_W
ClientSampled :
SIDEWALL-3

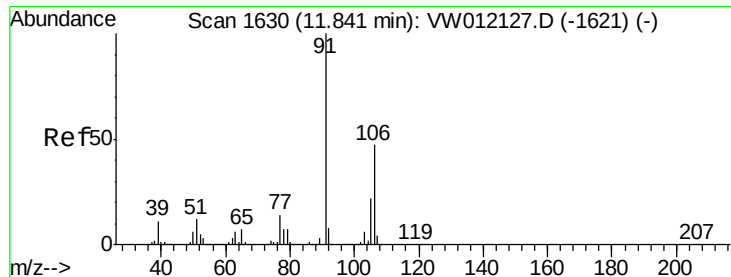
Tot Ion:117 Resp: 367741
Ion Ratio Lower Upper
117 100
82 60.3 47.4 71.2
119 33.2 25.4 38.2



#67
Ethyl Benzene
Concen: 1.789 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012280.D
Acq: 29 Aug 2019 04:11

Tgt Ion: 91 Resp: 24958
Ion Ratio Lower Upper
91 100
106 27.4 24.3 36.5





#68

m/p-Xvlenes

Concen: 8.341 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW012280.D

Acq: 29 Aug 2019 04:11

Instrument :

MSVOA_W

ClientSampleId :

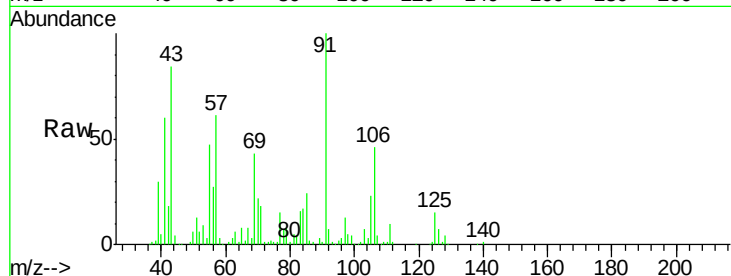
SIDEWALL-3

Tot Ion:106 Resp: 41909

Ion Ratio Lower Upper

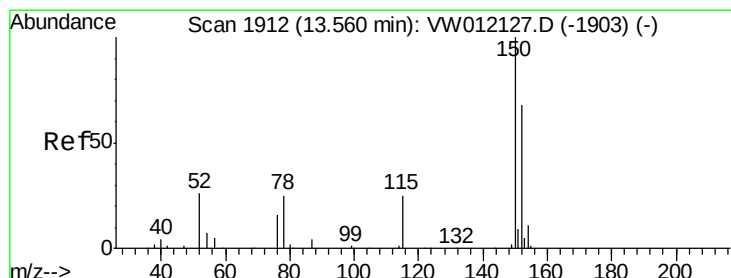
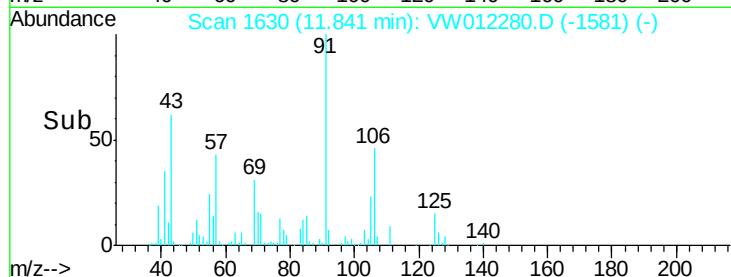
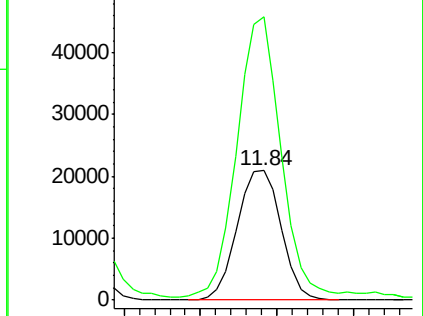
106 100

91 215.4 169.5 254.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012280.D

Acq: 29 Aug 2019 04:11

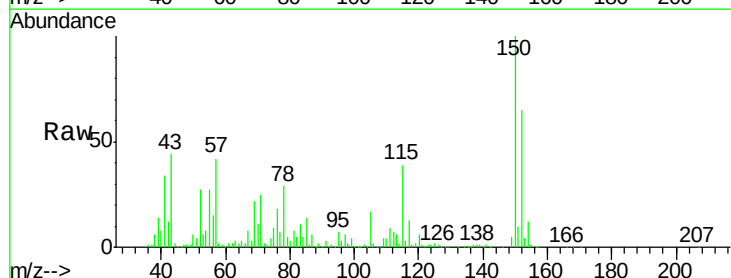
Tgt Ion:152 Resp: 151701

Ion Ratio Lower Upper

152 100

115 74.7 30.1 90.3

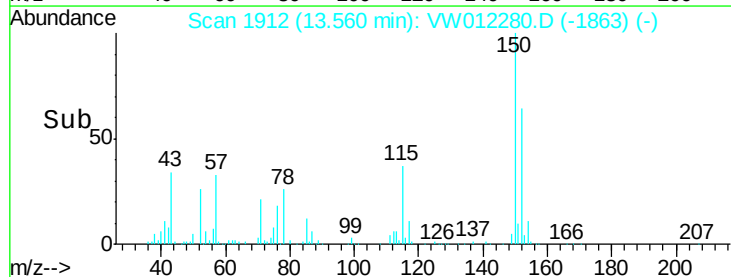
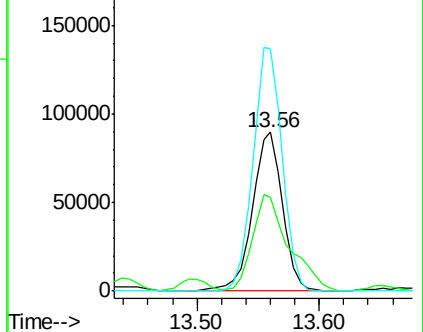
150 150.2 0.0 345.8

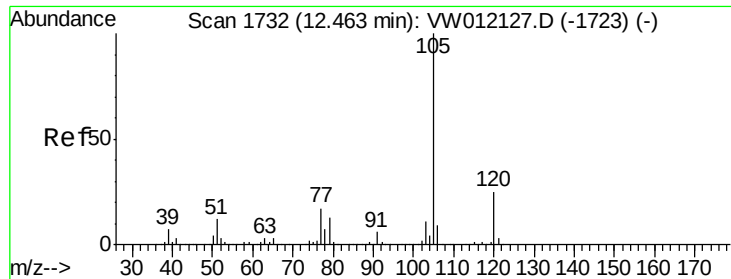


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.732 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012280.D

Acq: 29 Aug 2019 04:11

Instrument :

MSVOA_W

ClientSampleId :

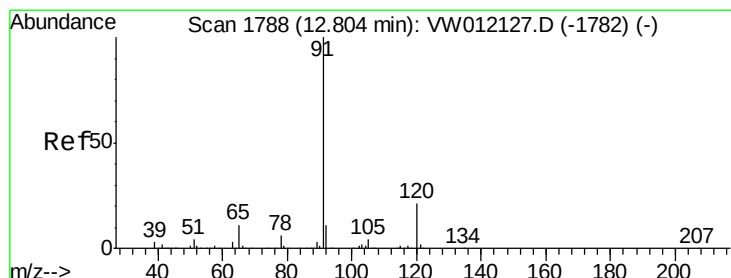
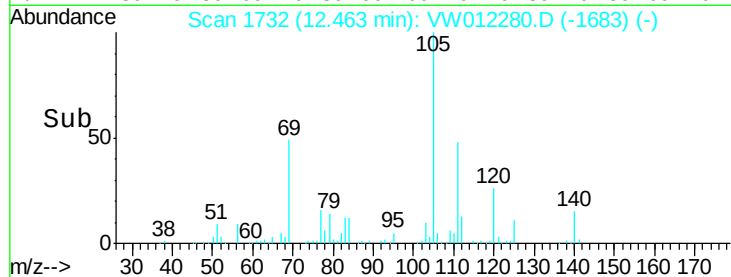
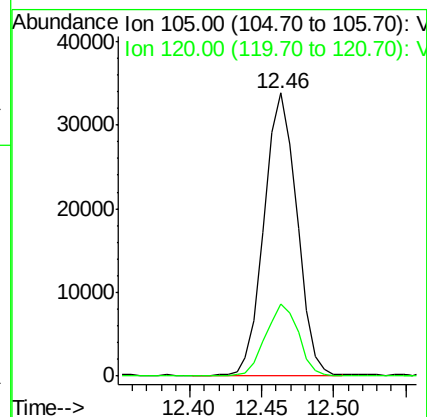
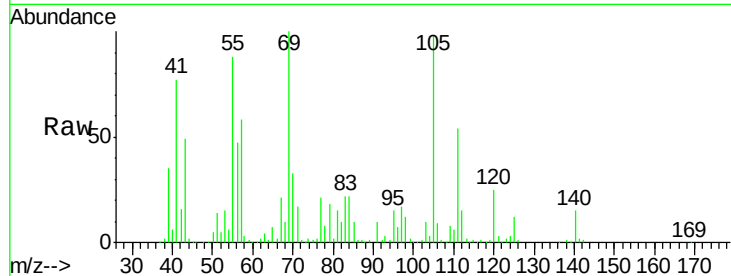
SIDEWALL-3

Tot Ion:105 Resp: 53788

Ion Ratio Lower Upper

105 100

120 25.2 12.5 37.5



#78

n-propylbenzene

Concen: 3.139 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012280.D

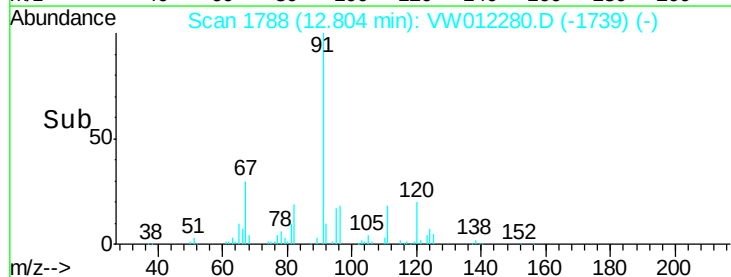
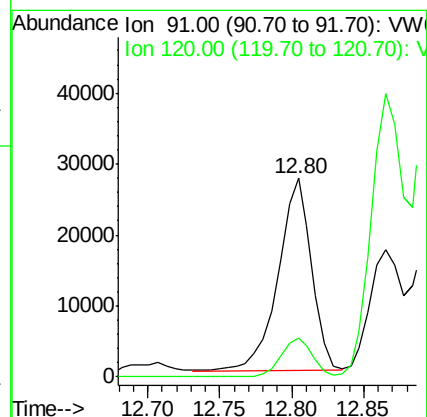
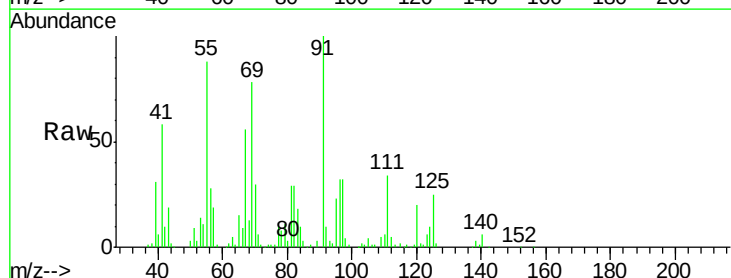
Acq: 29 Aug 2019 04:11

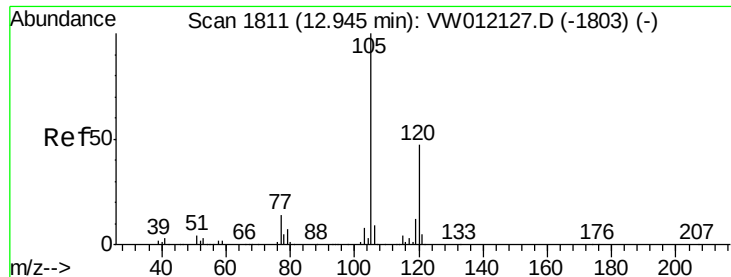
Tgt Ion: 91 Resp: 43555

Ion Ratio Lower Upper

91 100

120 0.0 10.5 31.6#

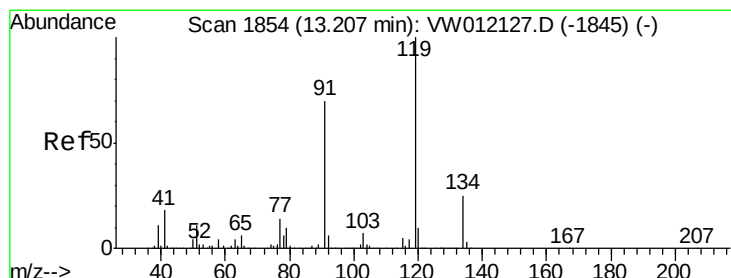
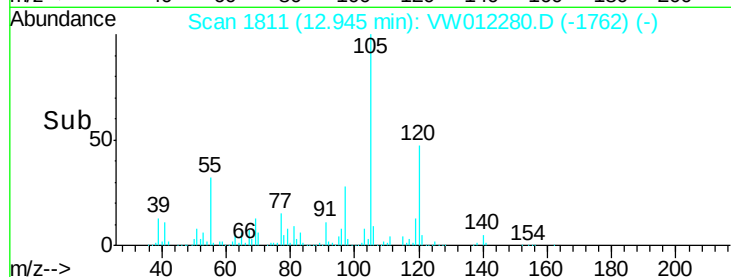
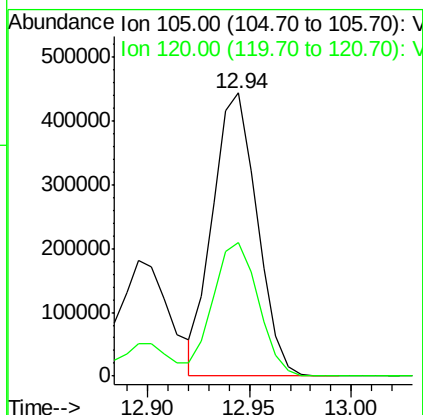
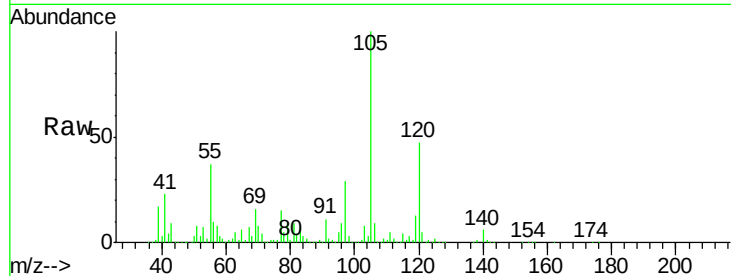




#80
1,3,5-Trimethylbenzene
Concen: 70.371 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW012280.D
Acq: 29 Aug 2019 04:11

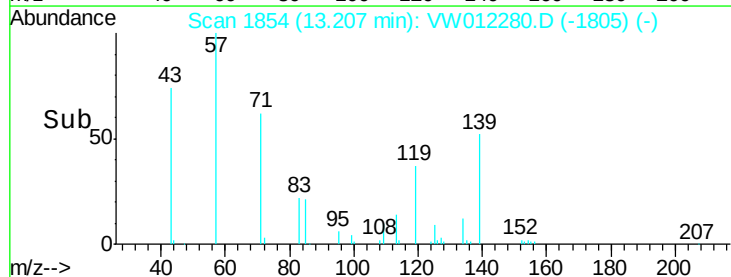
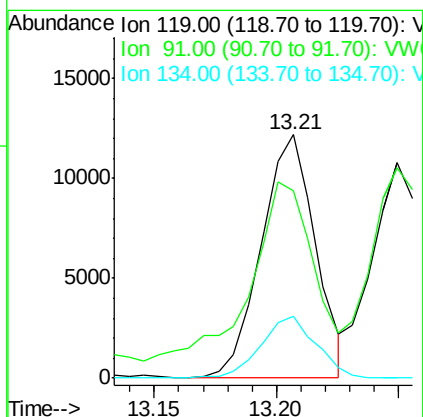
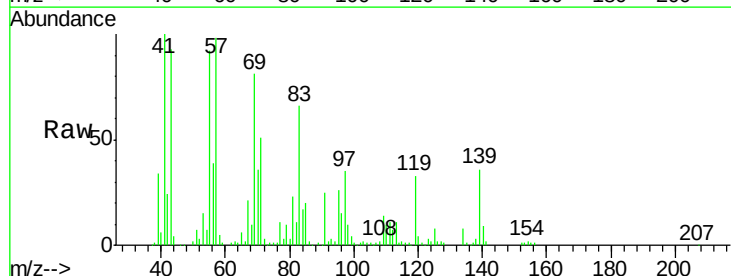
Instrument :
MSVOA_W
ClientSampleId :
SIDEWALL-3

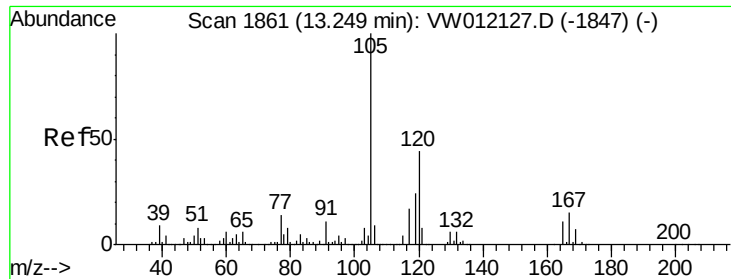
Tot Ion:105 Resp: 668410
Ion Ratio Lower Upper
105 100
120 49.2 24.0 72.0



#83
tert-Butylbenzene
Concen: 2.344 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012280.D
Acq: 29 Aug 2019 04:11

Tgt Ion:119 Resp: 18858
Ion Ratio Lower Upper
119 100
91 83.1 34.8 104.3
134 25.6 13.3 39.8

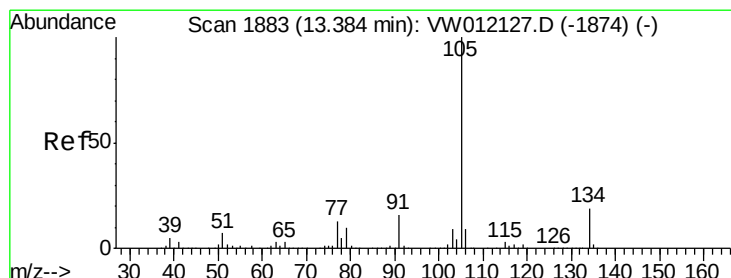
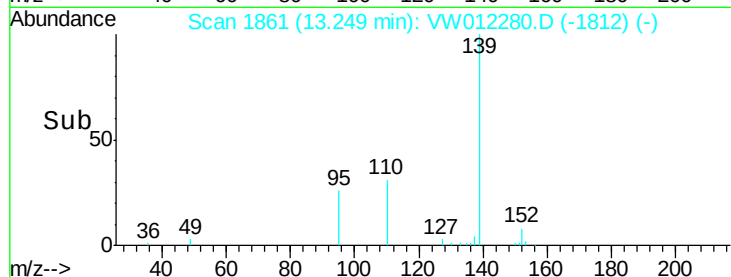
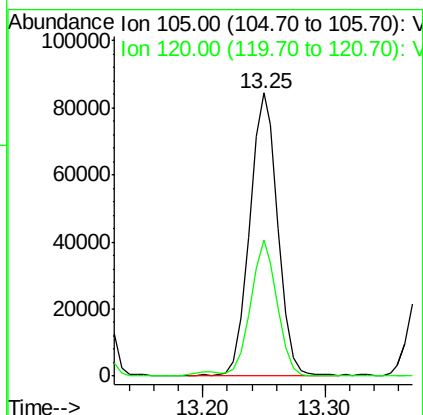
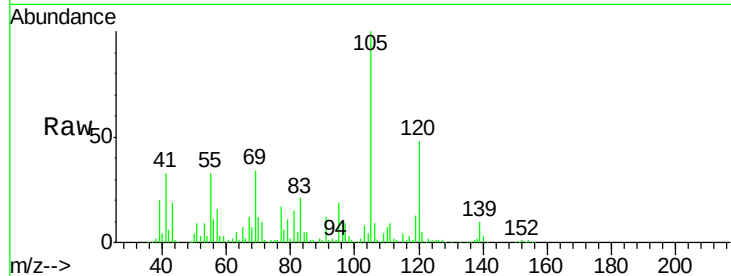




#84
 1,2,4-Trimethylbenzene
 Concen: 13.964 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012280.D
 Acq: 29 Aug 2019 04:11

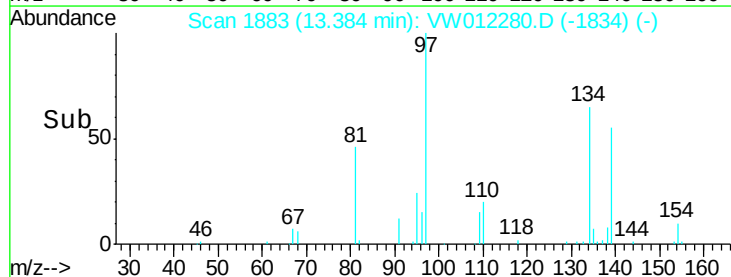
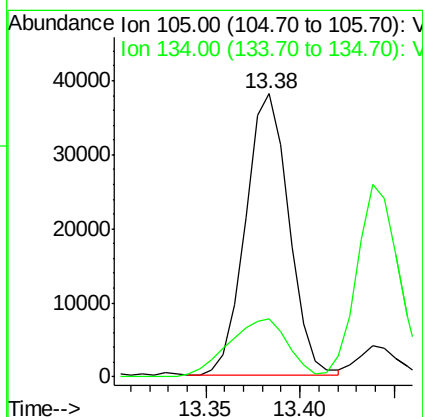
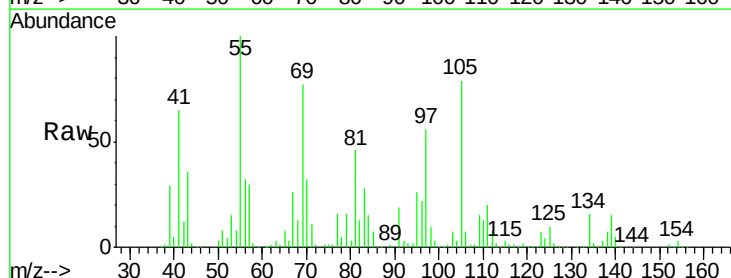
Instrument :
 MSVOA_W
 ClientSampleId :
 SIDEWALL-3

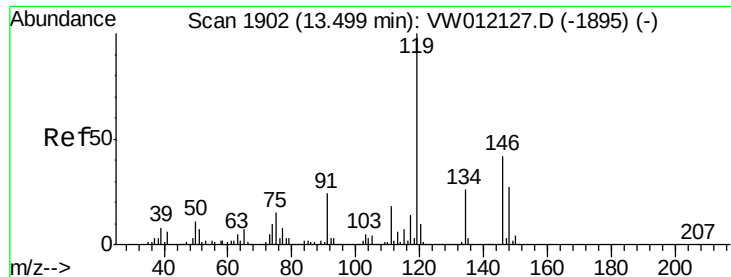
Tot Ion:105 Resp: 133232
 Ion Ratio Lower Upper
 105 100
 120 46.0 21.9 65.7



#85
 sec-Butylbenzene
 Concen: 5.284 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012280.D
 Acq: 29 Aug 2019 04:11

Tgt Ion:105 Resp: 60905
 Ion Ratio Lower Upper
 105 100
 134 28.2 9.8 29.4





#86

p-Isopropyltoluene

Concen: 13.592 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012280.D

Acq: 29 Aug 2019 04:11

Instrument :

MSVOA_W

ClientSampleId :

SIDEWALL-3

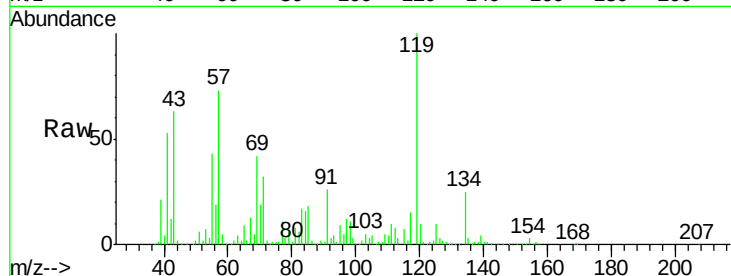
Tot Ion:119 Resp: 139918

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.3

91 25.0 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VW

