

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082719\
 Data File : VW012240.D
 Acq On : 28 Aug 2019 07:34
 Operator : SY/VA
 Sample : K4498-01
 Misc : 5.10G/5ML/MSVOA W/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SIDEWALL-1

Quant Time: Aug 28 08:34:21 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	290393	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	484497	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	394128	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	157820	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	170903	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
35) Dibromofluoromethane	7.88	113	142806	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	
50) Toluene-d8	10.32	98	613678	52.33	ug/l	0.00
Spiked Amount			Recovery	=	104.66%	
62) 4-Bromofluorobenzene	12.62	95	198153	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	

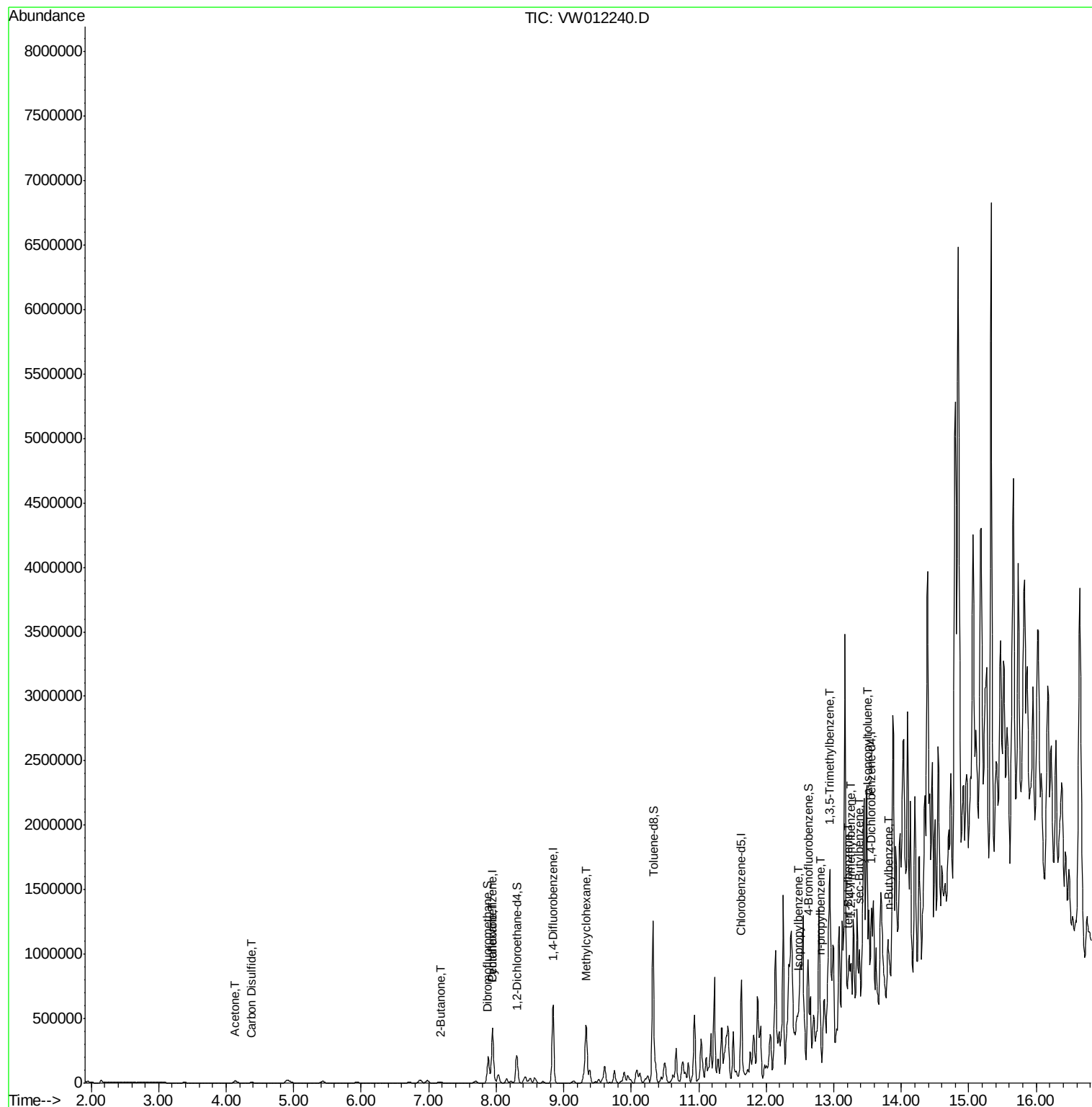
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.14	43	35872	40.652	ug/l	97
17) Carbon Disulfide	4.37	76	14339	1.629	ug/l	96
25) 2-Butanone	7.18	43	11131	9.283	ug/l	96
31) Cyclohexane	7.95	56	22965	3.693	ug/l #	52
39) Methylcyclohexane	9.34	83	132956	23.638	ug/l	97
73) Isopropylbenzene	12.46	105	82916	7.012	ug/l	99
78) n-propylbenzene	12.80	91	126009	8.728	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	56253	5.693	ug/l	98
83) tert-Butylbenzene	13.21	119	14636	1.749	ug/l	83
84) 1,2,4-Trimethylbenzene	13.25	105	211323	21.289	ug/l	98
85) sec-Butylbenzene	13.38	105	138663	11.563	ug/l	80
86) p-Isopropyltoluene	13.50	119	85737	8.006	ug/l	99
89) n-Butylbenzene	13.82	91	115613m	10.856	ug/l	

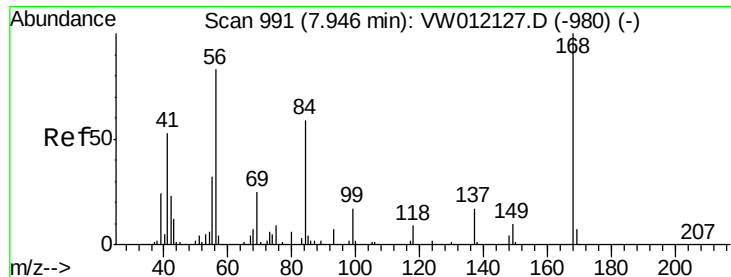
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082719\
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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: VW012240.D

Acq: 28 Aug 2019 07:34

Instrument :

MSVOA_W

ClientSampleId :

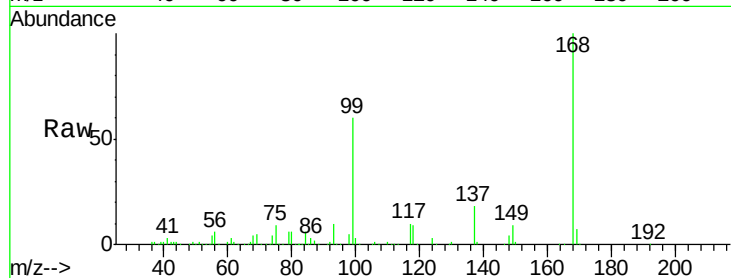
SIDEWALL-1

Tot Ion:168 Resp: 290393

Ion Ratio Lower Upper

168 100

99 60.0 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

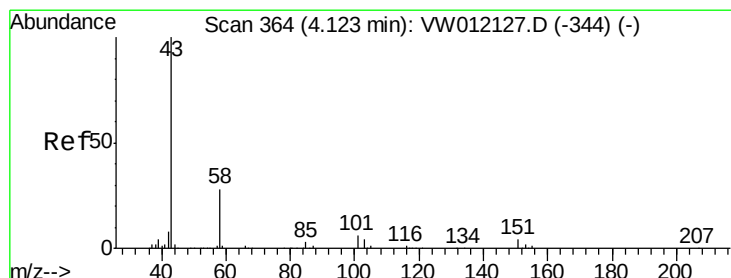
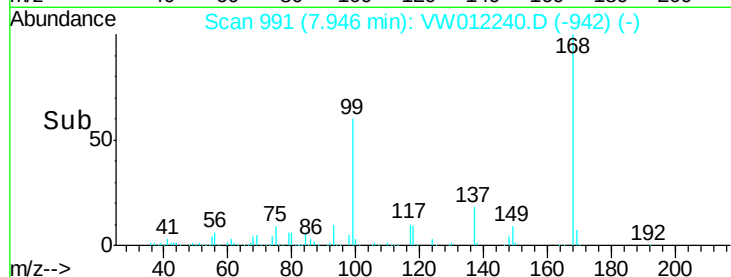
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 40.652 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW012240.D

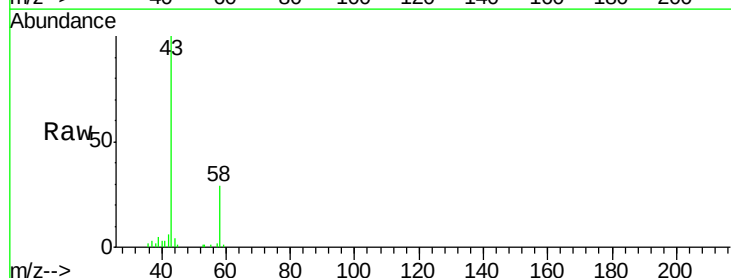
Acq: 28 Aug 2019 07:34

Tgt Ion: 43 Resp: 35872

Ion Ratio Lower Upper

43 100

58 29.5 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

12000

10000

8000

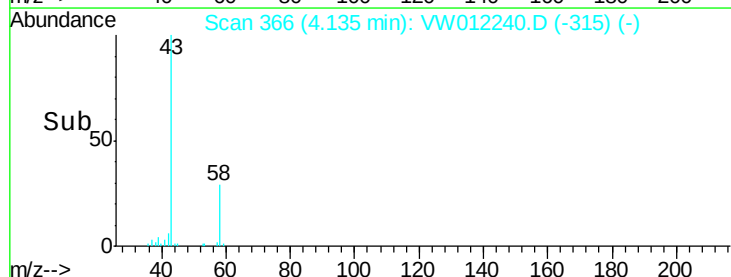
6000

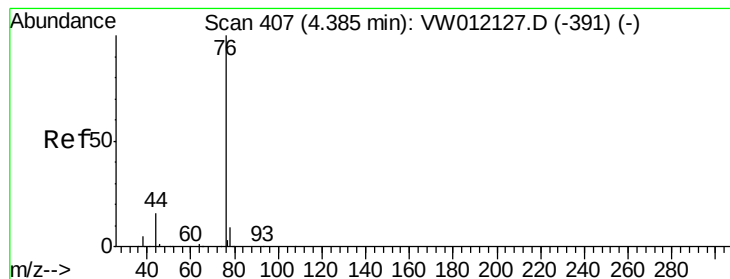
4000

2000

0

Time--> 4.00 4.10 4.20 4.30





#17

Carbon Disulfide

Concen: 1.629 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW012240.D

Acq: 28 Aug 2019 07:34

Instrument :

MSVOA_W

ClientSampleId :

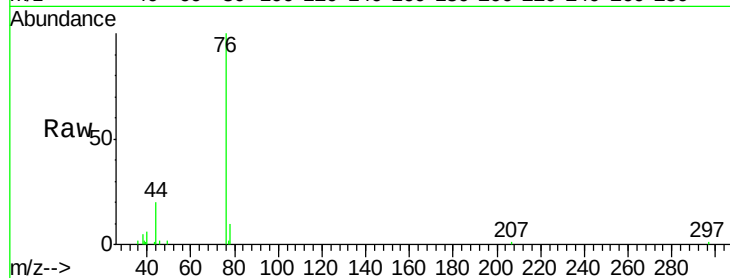
SIDEWALL-1

Tot Ion: 76 Resp: 14339

Ion Ratio Lower Upper

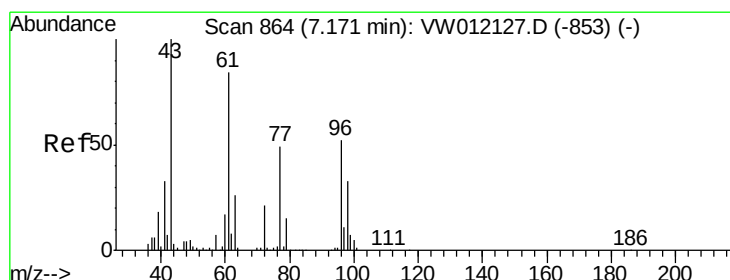
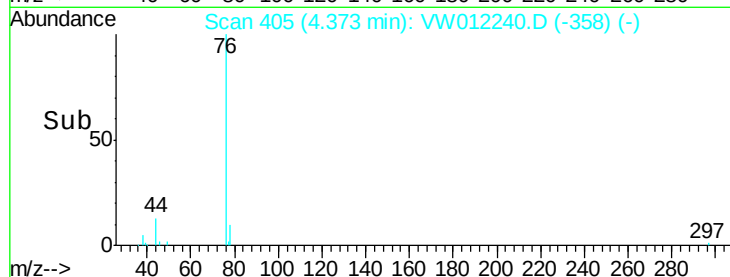
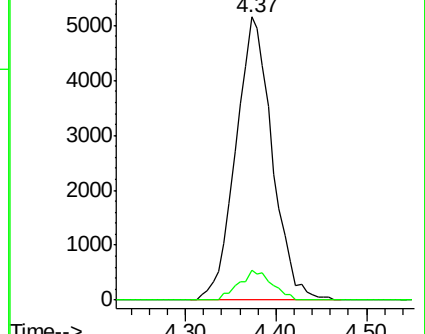
76 100

78 10.4 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: 9.283 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW012240.D

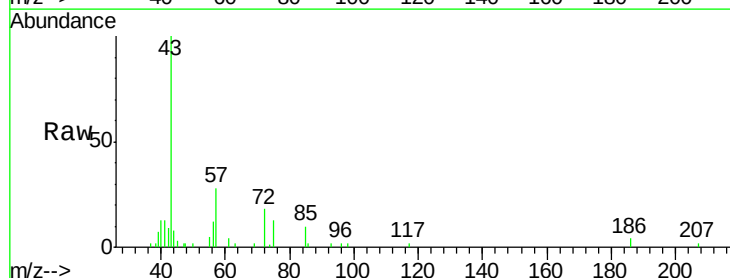
Acq: 28 Aug 2019 07:34

Tgt Ion: 43 Resp: 11131

Ion Ratio Lower Upper

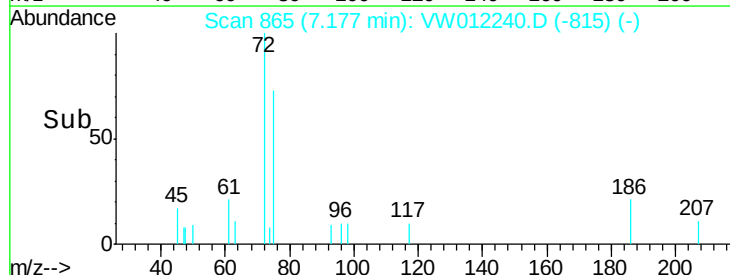
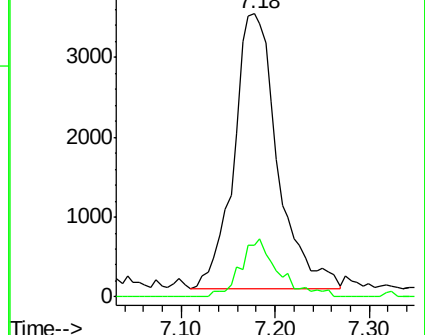
43 100

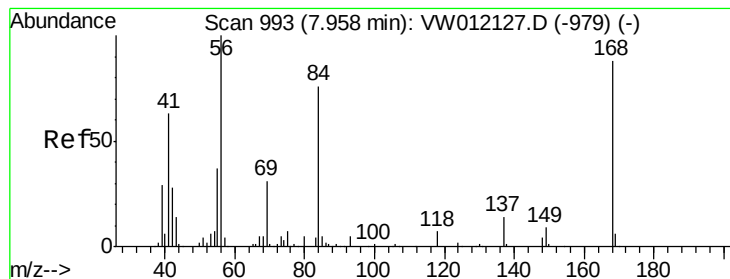
72 18.8 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 3.693 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012240.D

Acq: 28 Aug 2019 07:34

Instrument :

MSVOA_W

ClientSampleId :

SIDEWALL-1

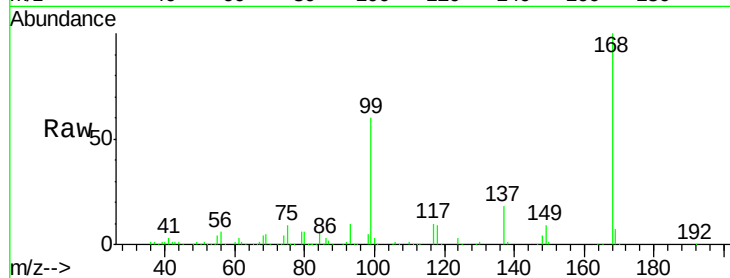
Tot Ion: 56 Resp: 22965

Ion Ratio Lower Upper

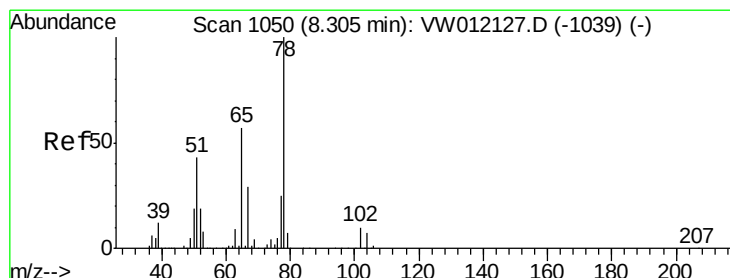
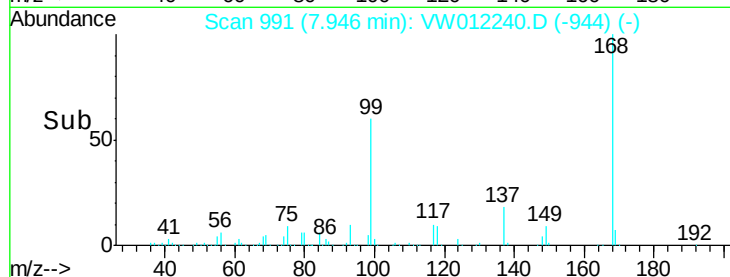
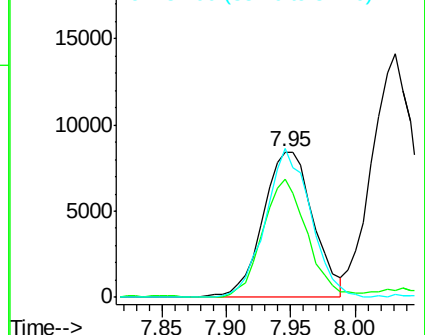
56 100

69 80.9 24.9 37.3#

84 102.4 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: 49.507 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012240.D

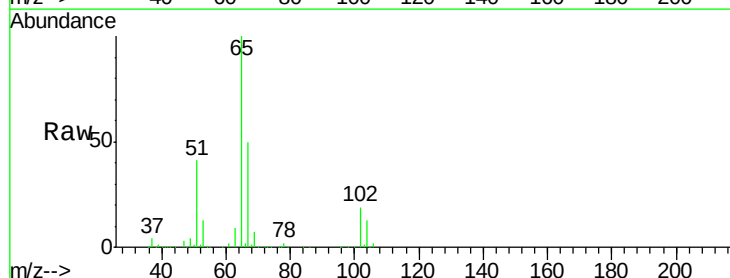
Acq: 28 Aug 2019 07:34

Tgt Ion: 65 Resp: 170903

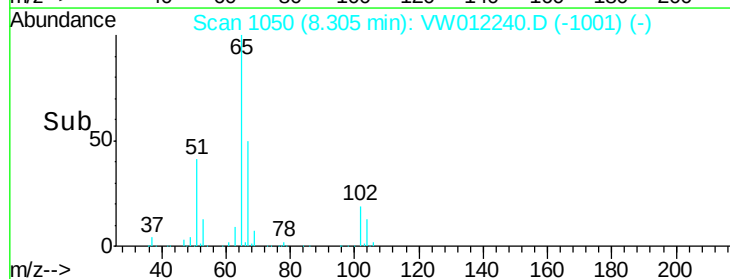
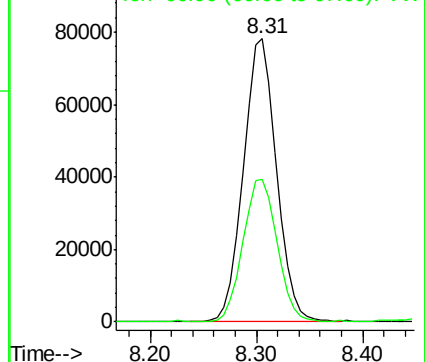
Ion Ratio Lower Upper

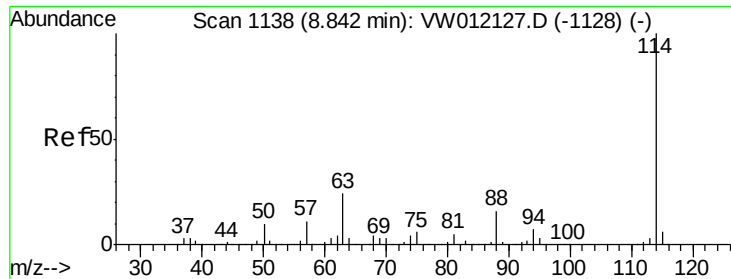
65 100

67 52.0 0.0 102.6



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

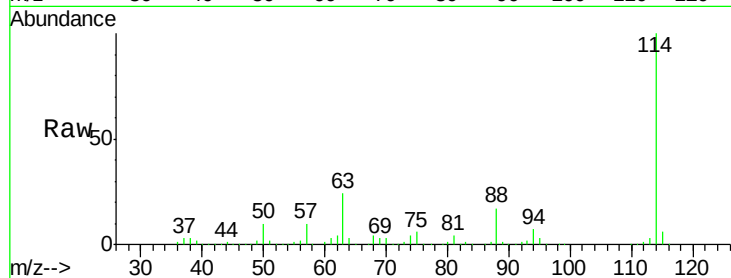




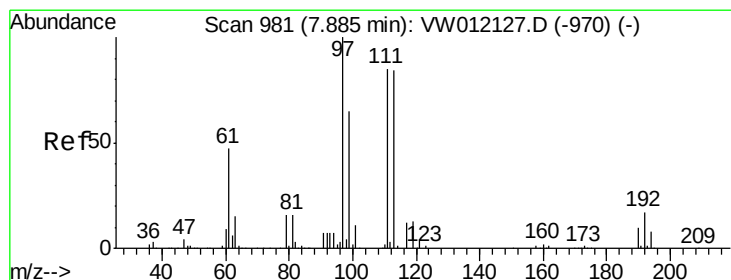
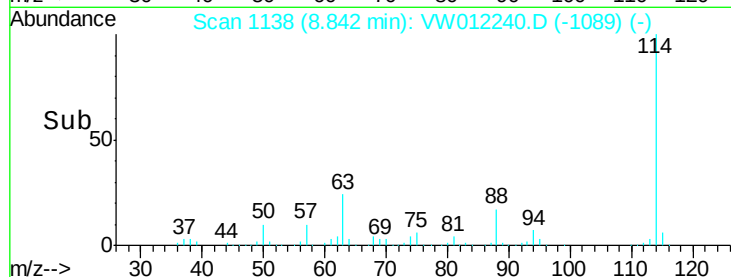
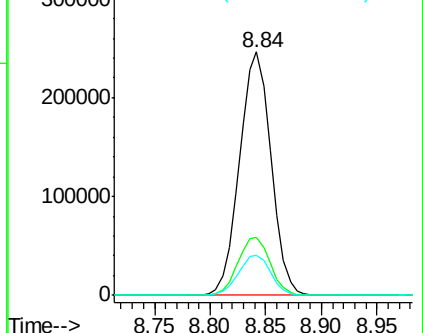
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012240.D
 Acq: 28 Aug 2019 07:34

Instrument :
 MSVOA_W
 ClientSampleId :
 SIDEWALL-1

Tot Ion:114 Resp: 484497
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 48.6
 88 16.6 0.0 32.2

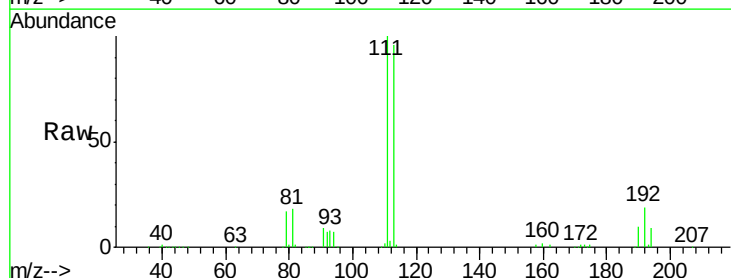


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

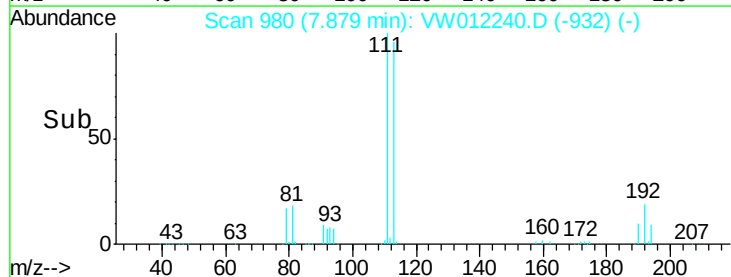
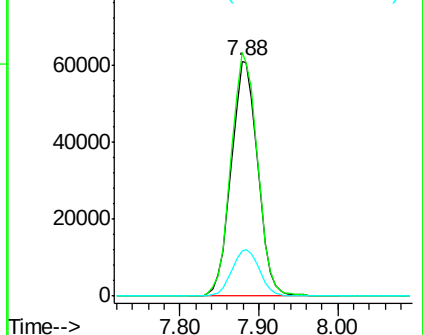


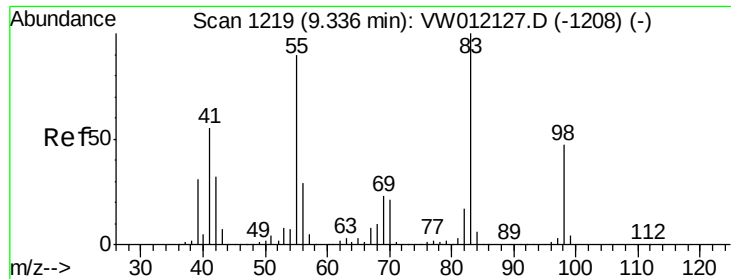
#35
 Dibromofluoromethane
 Concen: 49.380 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012240.D
 Acq: 28 Aug 2019 07:34

Tgt Ion:113 Resp: 142806
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.7 124.1
 192 20.3 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

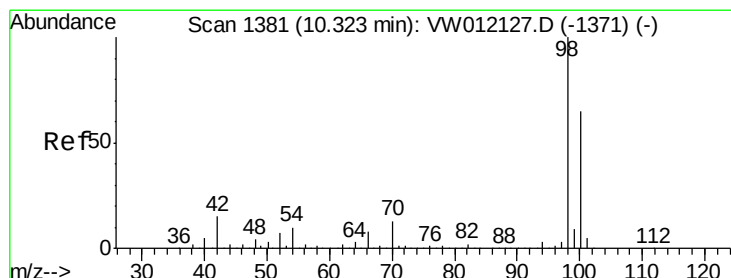
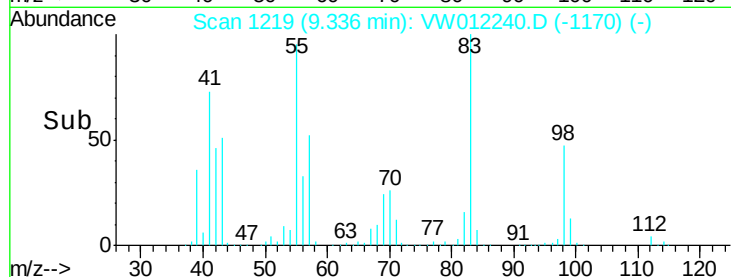
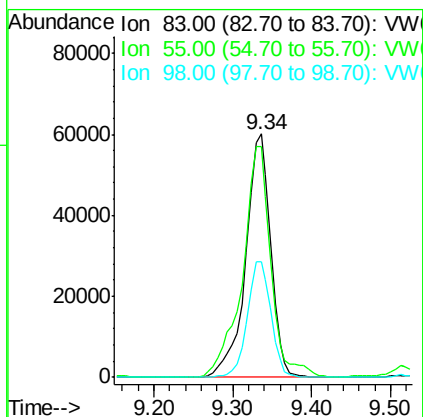
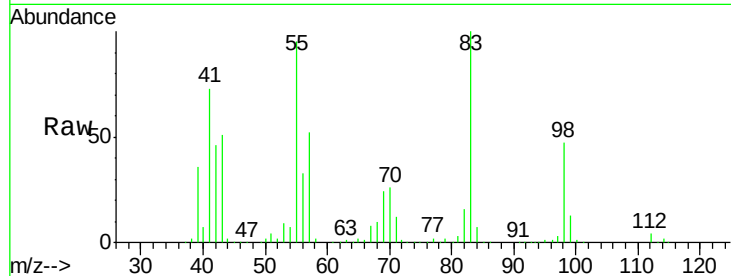




#39
Methvlcvclohexane
Concen: 23.638 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW012240.D
Acq: 28 Aug 2019 07:34

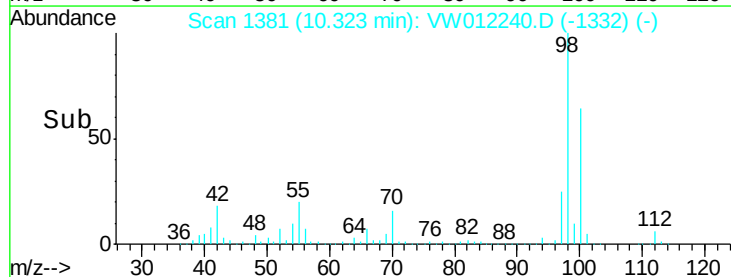
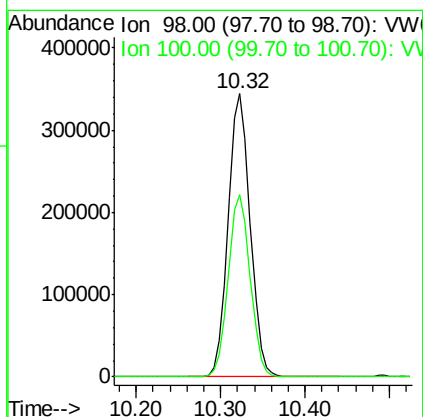
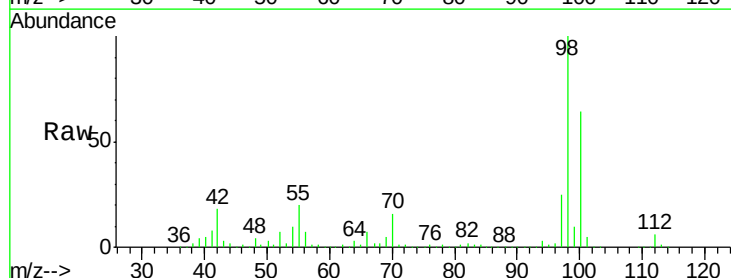
Instrument :
MSVOA_W
ClientSampleId :
SIDEWALL-1

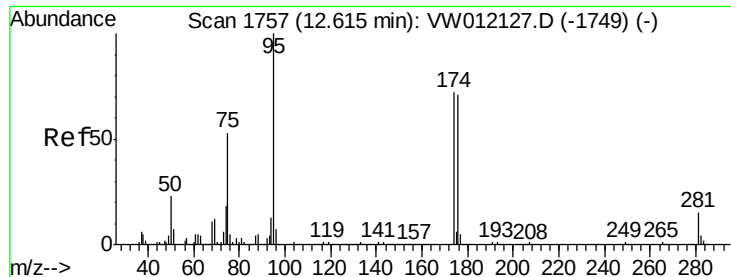
Tot Ion: 83 Resp: 132956
Ion Ratio Lower Upper
83 100
55 94.6 71.8 107.8
98 47.2 37.8 56.8



#50
Toluene-d8
Concen: 52.334 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012240.D
Acq: 28 Aug 2019 07:34

Tgt Ion: 98 Resp: 613678
Ion Ratio Lower Upper
98 100
100 63.9 52.4 78.6

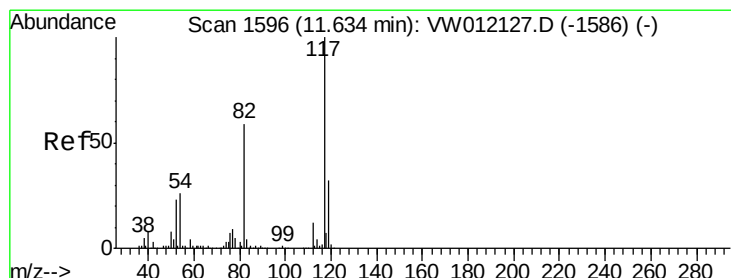
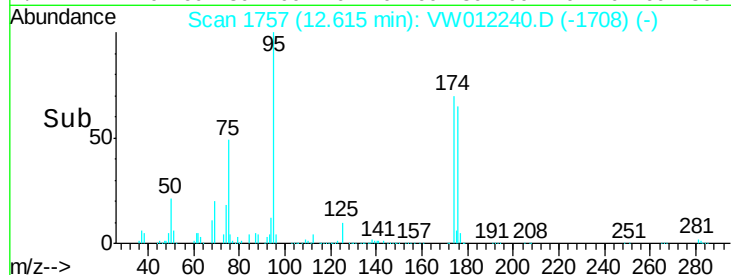
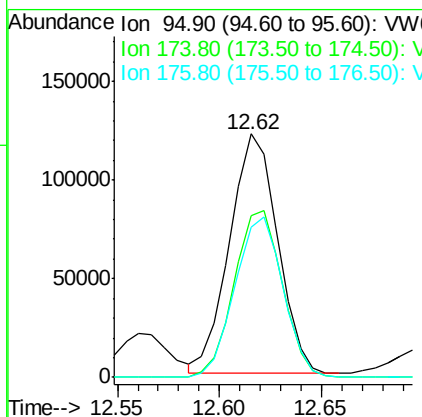
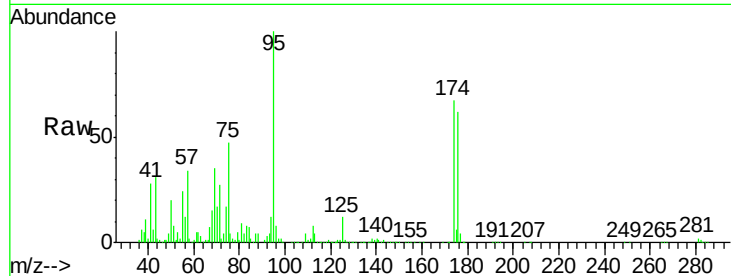




#62
4-Bromofluorobenzene
Concen: 47.939 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012240.D
Acq: 28 Aug 2019 07:34

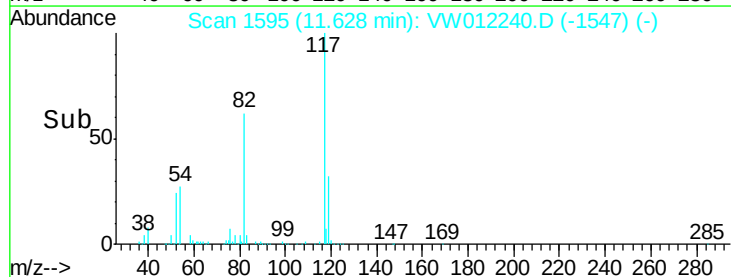
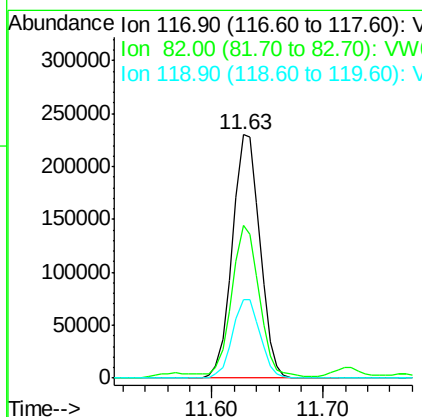
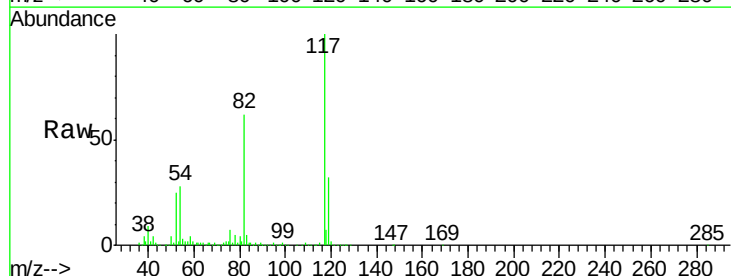
Instrument :
MSVOA_W
ClientSampleId :
SIDEWALL-1

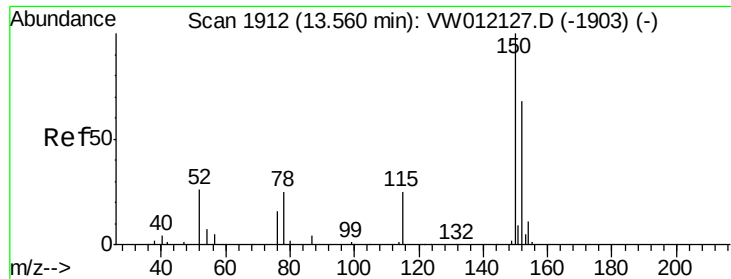
Tot Ion	95	Resp	198153
Ion	Ratio	Lower	Upper
95	100		
174	70.5	0.0	150.8
176	67.5	0.0	148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012240.D
Acq: 28 Aug 2019 07:34

Tgt Ion	117	Resp	394128
Ion	Ratio	Lower	Upper
117	100		
82	60.7	47.4	71.2
119	32.4	25.4	38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW012240.D

Acq: 28 Aug 2019 07:34

Instrument :

MSVOA_W

ClientSampleId :

SIDEWALL-1

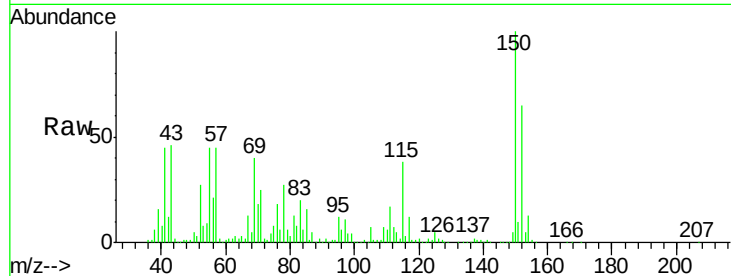
Tot Ion:152 Resp: 157820

Ion Ratio Lower Upper

152 100

115 63.1 30.1 90.3

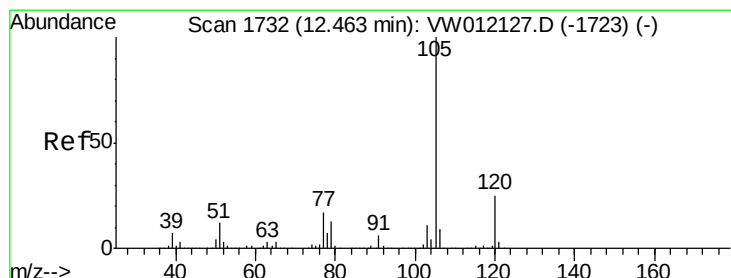
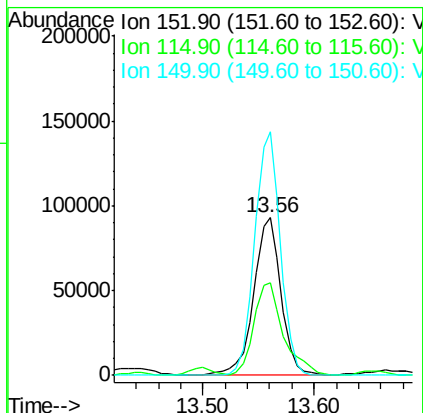
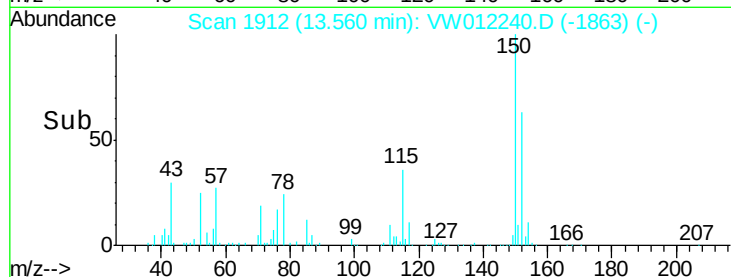
150 145.7 0.0 345.8



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: 7.012 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW012240.D

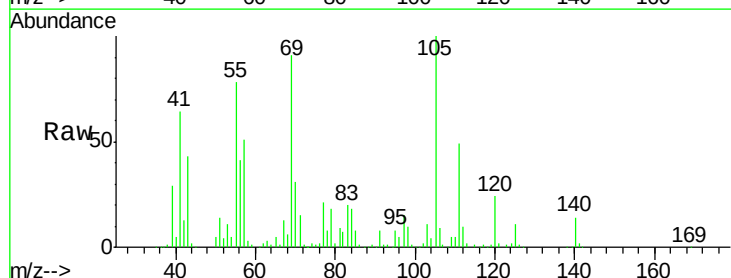
Acq: 28 Aug 2019 07:34

Tgt Ion:105 Resp: 82916

Ion Ratio Lower Upper

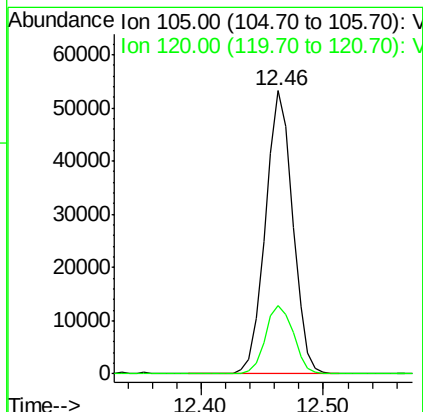
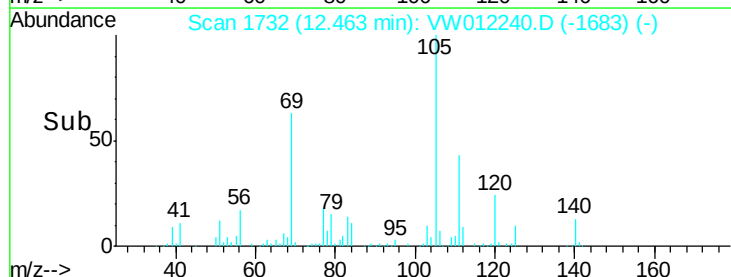
105 100

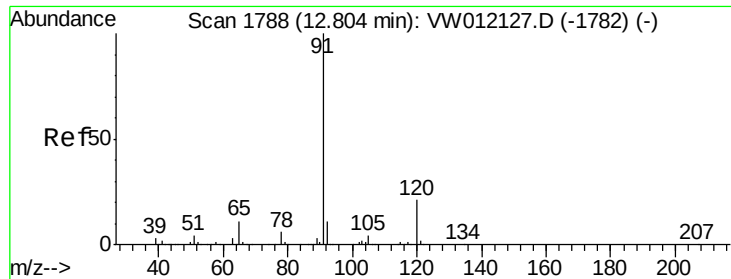
120 24.7 12.5 37.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 8.728 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW012240.D

Acq: 28 Aug 2019 07:34

Instrument :

MSVOA_W

ClientSampled :

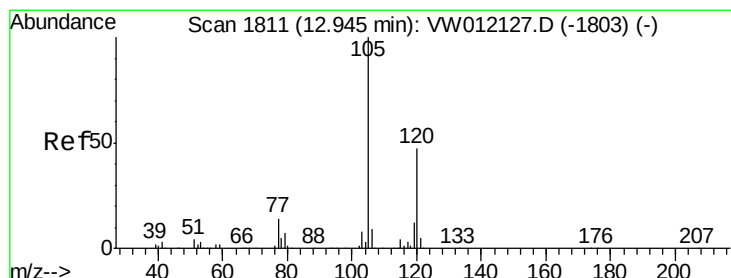
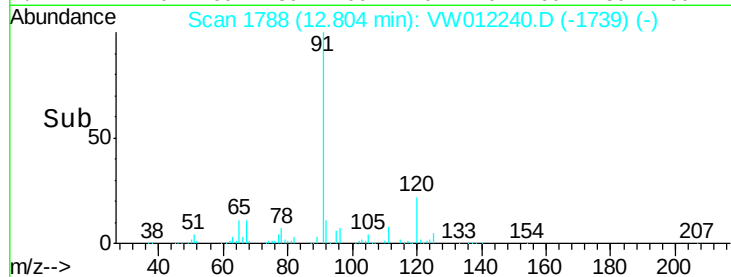
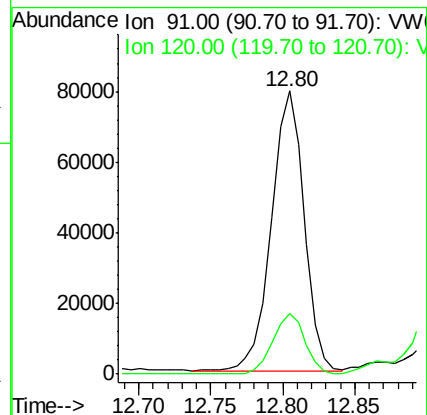
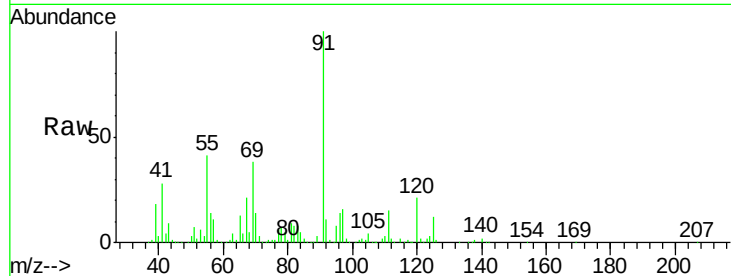
SIDEWALL-1

Tot Ion: 91 Resp: 126009

Ion Ratio Lower Upper

91 100

120 21.2 10.5 31.6



#80

1,3,5-Trimethylbenzene

Concen: 5.693 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW012240.D

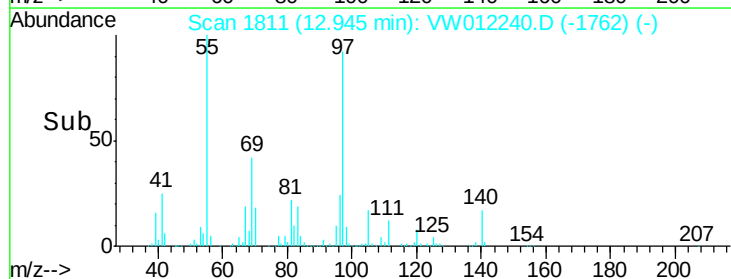
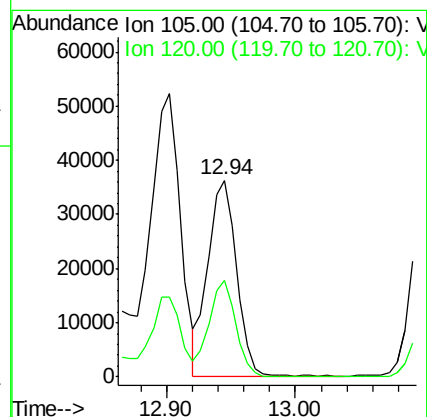
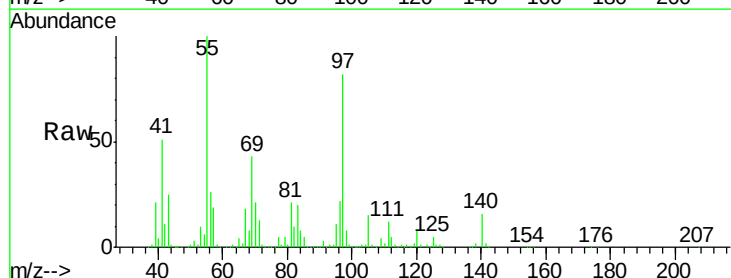
Acq: 28 Aug 2019 07:34

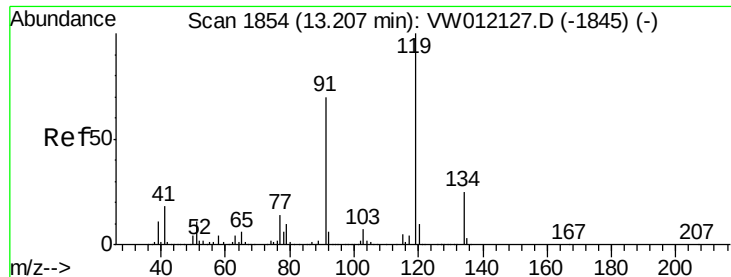
Tgt Ion: 105 Resp: 56253

Ion Ratio Lower Upper

105 100

120 46.6 24.0 72.0

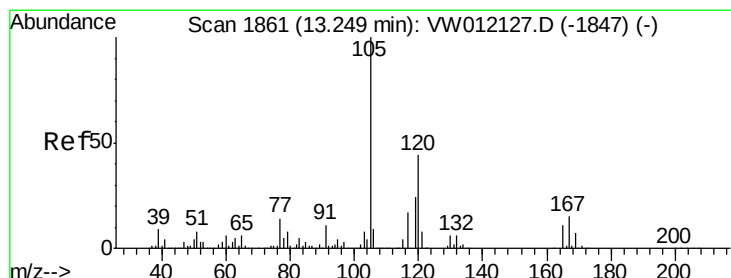
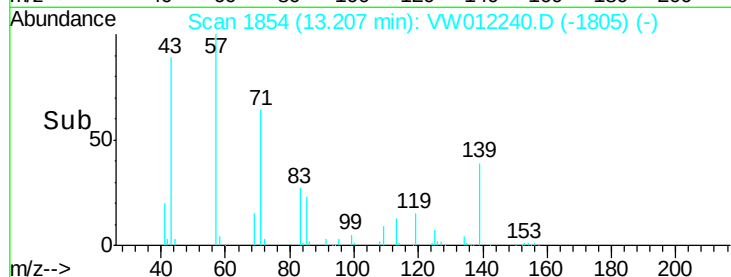
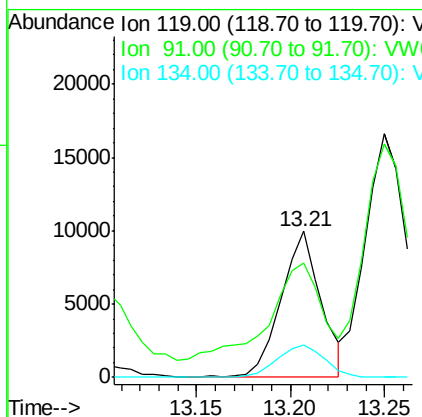
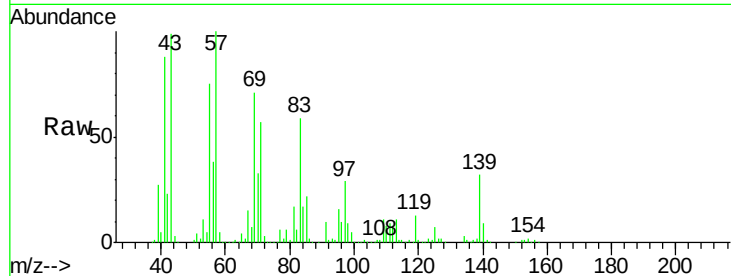




#83
 tert-Butylbenzene
 Concen: 1.749 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW012240.D
 Acq: 28 Aug 2019 07:34

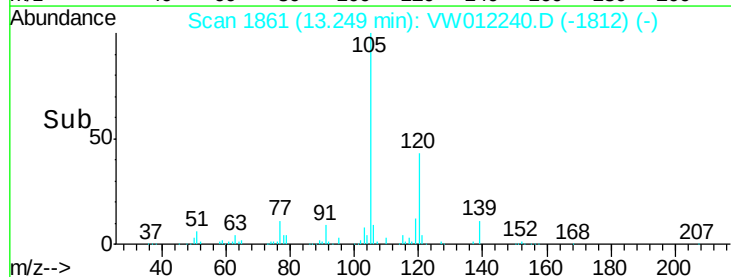
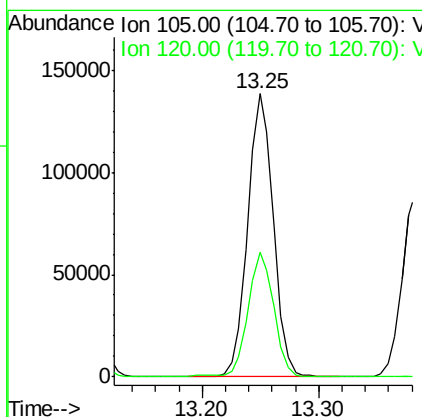
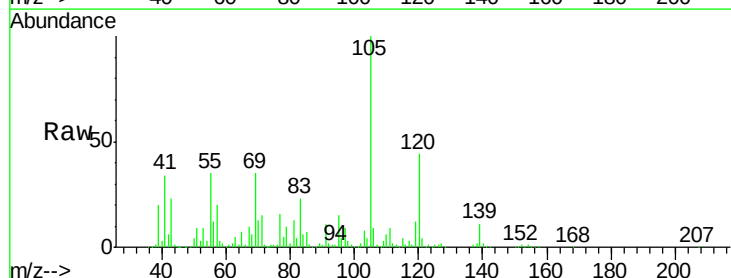
Instrument :
 MSVOA_W
 ClientSampled :
 SIDEWALL-1

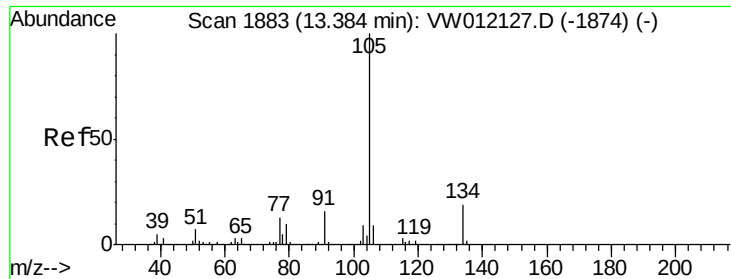
Tot Ion:119 Resp: 14636
 Ion Ratio Lower Upper
 119 100
 91 87.9 34.8 104.3
 134 25.7 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 21.289 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW012240.D
 Acq: 28 Aug 2019 07:34

Tgt Ion:105 Resp: 211323
 Ion Ratio Lower Upper
 105 100
 120 44.8 21.9 65.7

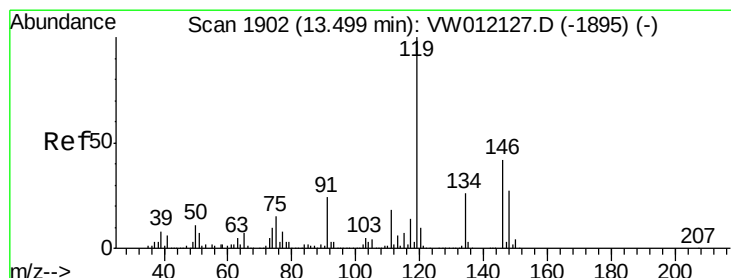
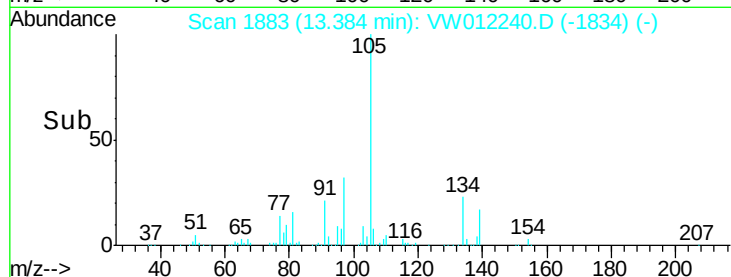
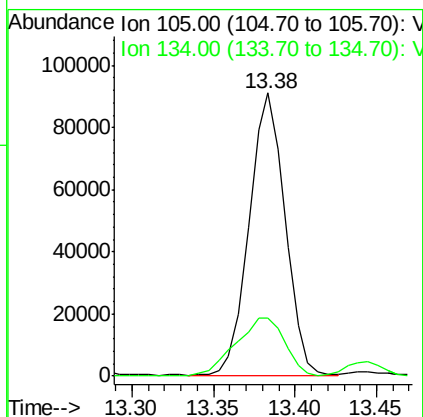
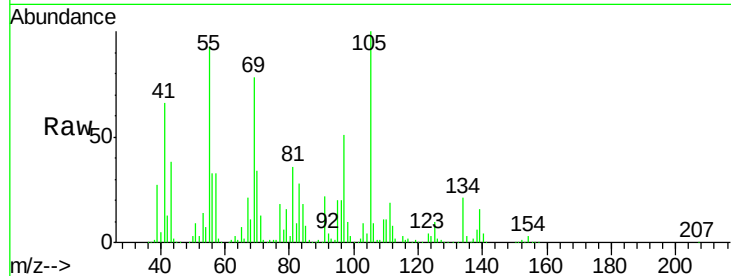




#85
 sec-Butylbenzene
 Concen: 11.563 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW012240.D
 Acq: 28 Aug 2019 07:34

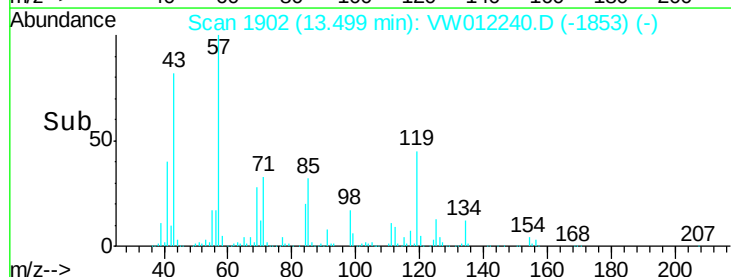
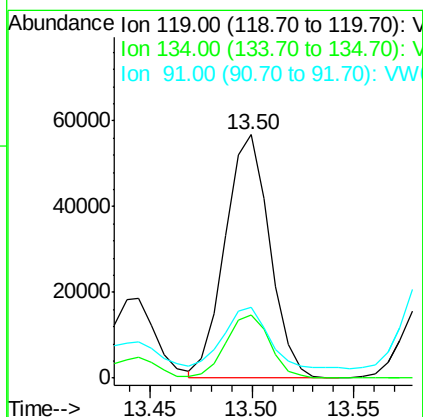
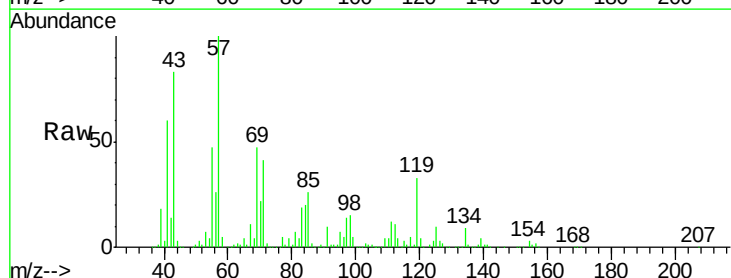
Instrument :
 MSVOA_W
 ClientSampleId :
 SIDEWALL-1

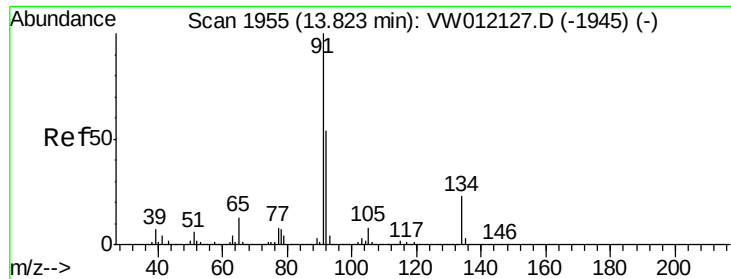
Tot Ion:105 Resp: 138663
 Ion Ratio Lower Upper
 105 100
 134 28.6 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 8.006 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012240.D
 Acq: 28 Aug 2019 07:34

Tgt Ion:119 Resp: 85737
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.8 38.3
 91 25.6 12.3 36.9





#89

n-Butylbenzene

Concen: 10.856 ug/l m

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW012240.D

Acq: 28 Aug 2019 07:34

Instrument :

MSVOA_W

ClientSampleId :

SIDEWALL-1

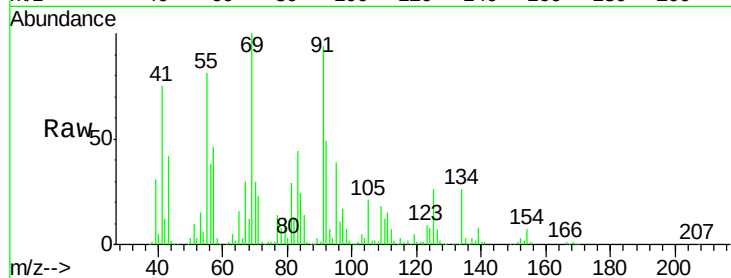
Tot Ion: 91 Resp: 115613

Ion Ratio Lower Upper

91 100

92 53.4 27.1 81.2

134 0.0 12.2 36.4#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V

