

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082619\
 Data File : VW012195.D
 Acq On : 27 Aug 2019 02:00
 Operator : SY/VA
 Sample : K4451-02
 Misc : 6.51G/5ML/MSVOA W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 B-2

Manual Integrations
 APPROVED

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 8/27/2019 11:04:51 AM

Quant Time: Aug 27 06:55:51 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	167891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	329741	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	261152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	144336	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	175096	87.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	175.46%	
35) Dibromofluoromethane	7.88	113	124558	63.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	126.56%	
50) Toluene-d8	10.32	98	475016	59.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.04%	
62) 4-Bromofluorobenzene	12.62	95	210632	74.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	149.74%	
Target Compounds						
					Qvalue	
16) Acetone	4.12	43	29093	57.026	ug/l	98
17) Carbon Disulfide	4.38	76	10660	2.095	ug/l	100
25) 2-Butanone	7.18	43	8372	12.076	ug/l	95
39) Methylcyclohexane	9.33	83	22249	5.812	ug/l	91
73) Isopropylbenzene	12.46	105	142337	13.161	ug/l	97
78) n-propylbenzene	12.80	91	209212	15.845	ug/l	99
83) tert-Butylbenzene	13.21	119	59508	7.773	ug/l #	54
85) sec-Butylbenzene	13.38	105	1758507	160.337	ug/l	88
89) n-Butylbenzene	13.82	91	918527m	94.302	ug/l	

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

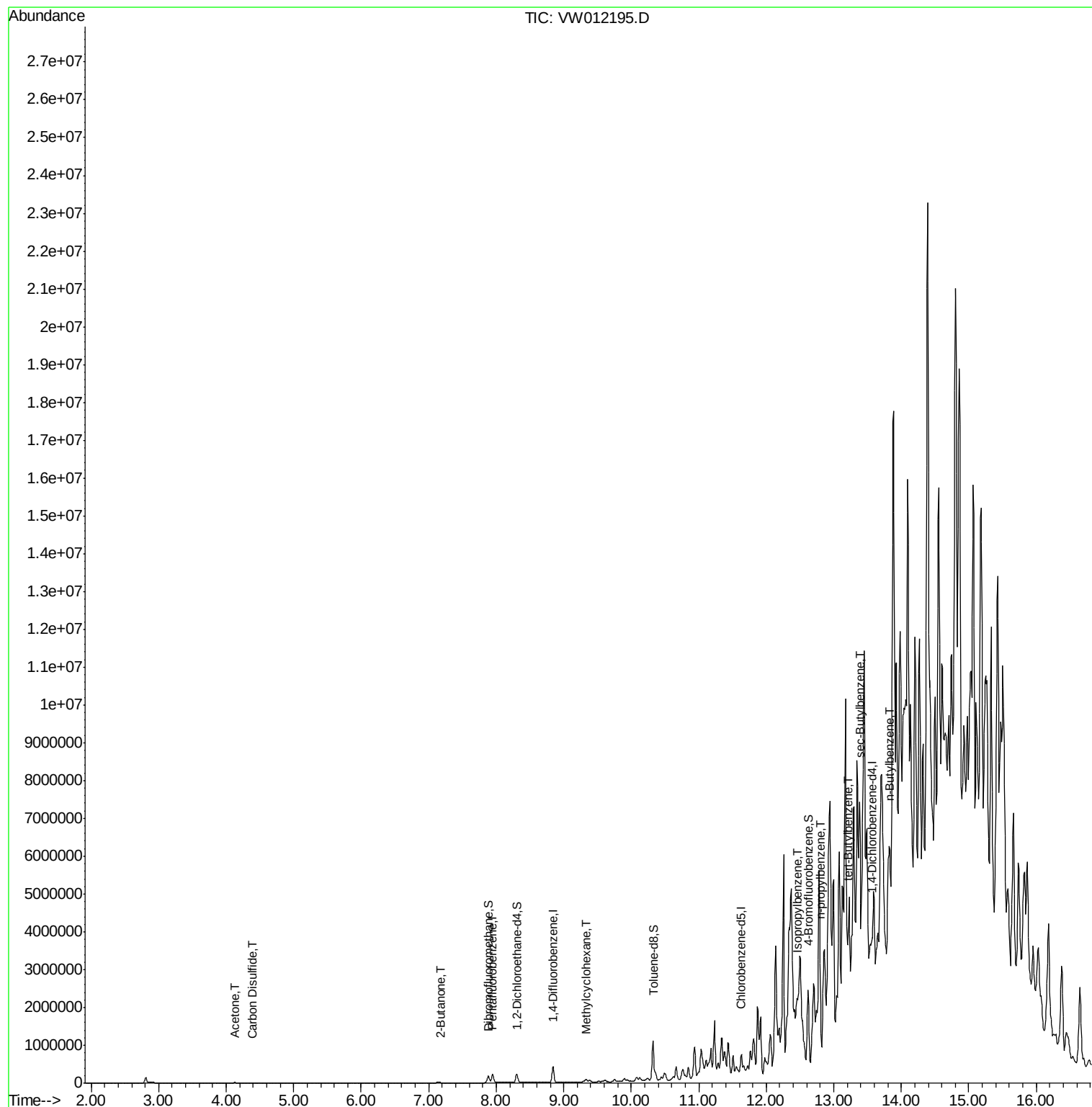
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082619\
Data File : VW012195.D
Acq On : 27 Aug 2019 02:00
Operator : SY/VA
Sample : K4451-02
Misc : 6.51G/5ML/MSVOA W/SOIL
ALS Vial : 39 Sample Multiplier: 1

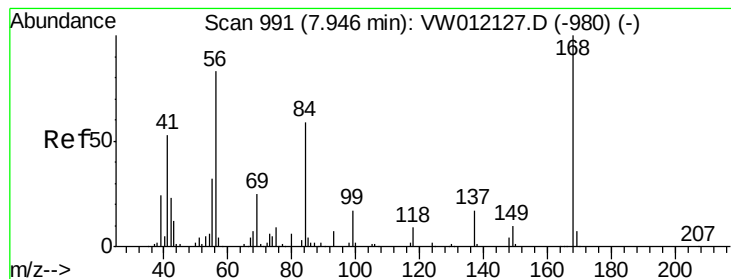
Instrument :
MSVOA_W
ClientSampleId :
B-2

Manual Integrations
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8/27/2019 11:04:51 AM

Quant Time: Aug 27 06:55:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
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: VW012195.D

Acq: 27 Aug 2019 02:00

Instrument :

MSVOA_W

ClientSampled :

B-2

Tot Ion:168 Resp: 167891

Ion Ratio Lower Upper

168 100

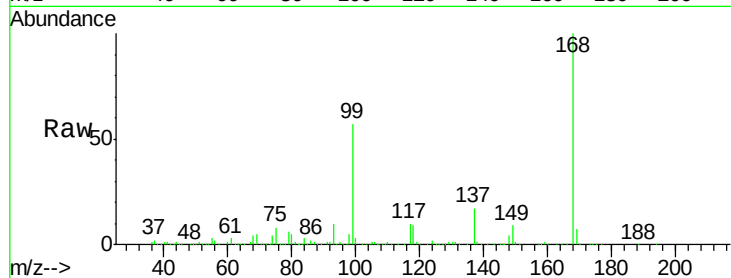
99 57.1 49.2 73.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

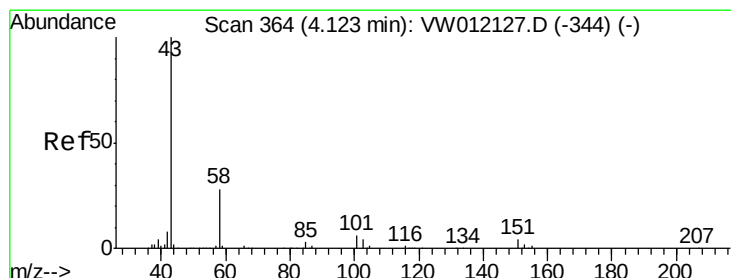
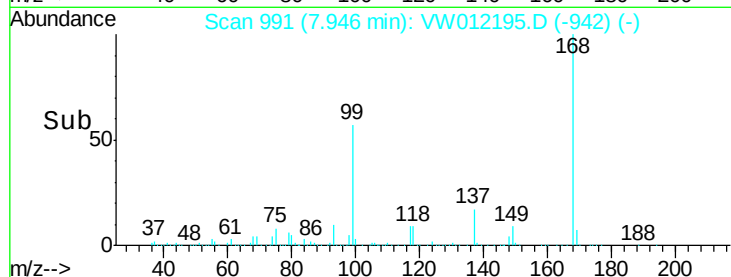
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 57.026 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW012195.D

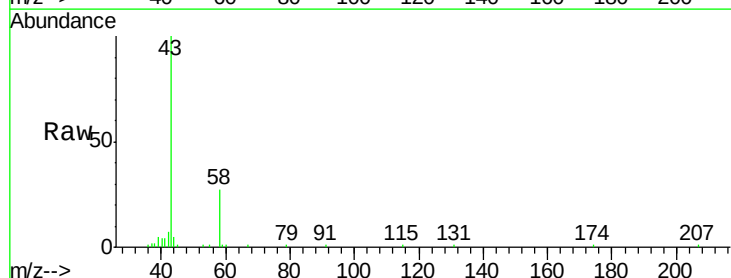
Acq: 27 Aug 2019 02:00

Tgt Ion: 43 Resp: 29093

Ion Ratio Lower Upper

43 100

58 26.7 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

10000

8000

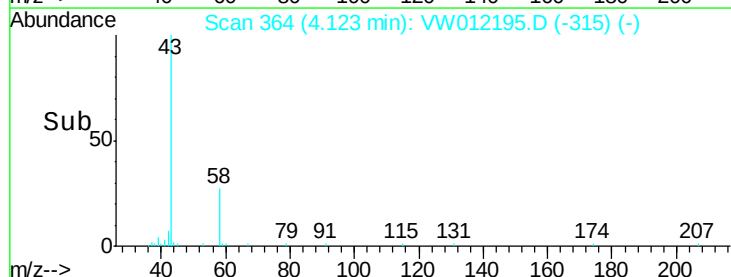
6000

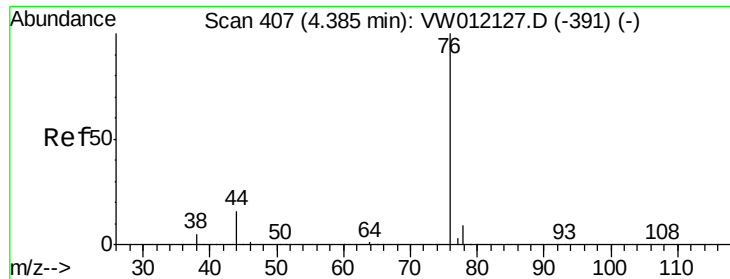
4000

2000

0

Time--> 4.00 4.10 4.20





#17

Carbon Disulfide

Concen: 2.095 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012195.D

Acq: 27 Aug 2019 02:00

Instrument :

MSVOA_W

ClientSampled :

B-2

Tot Ion: 76 Resp: 10660

Ion Ratio Lower Upper

76 100

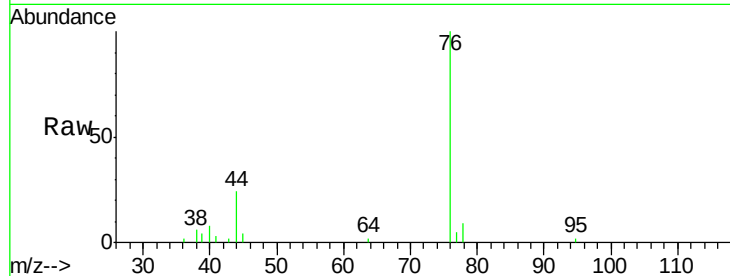
78 9.1 7.3 10.9

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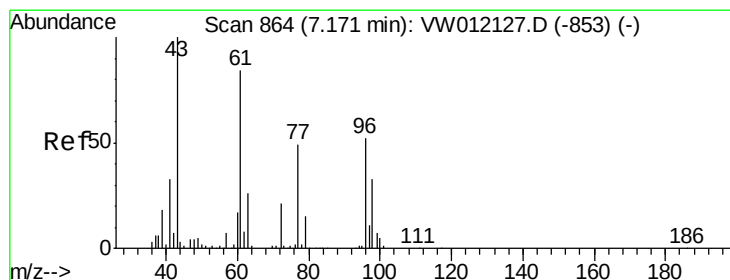
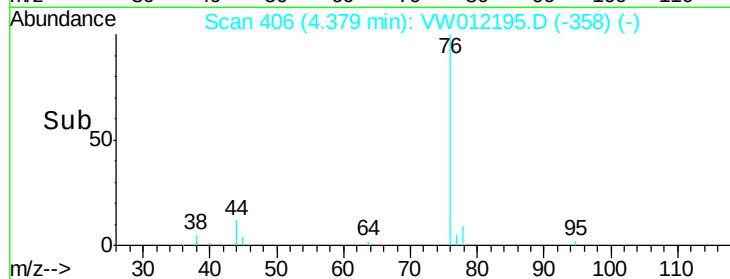
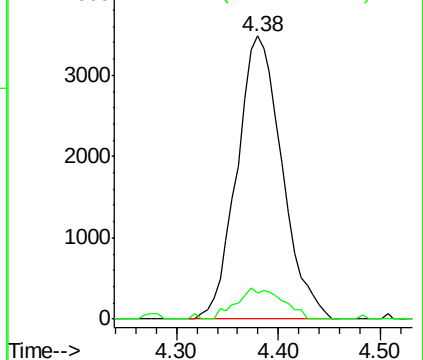
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#25

2-Butanone

Concen: 12.076 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW012195.D

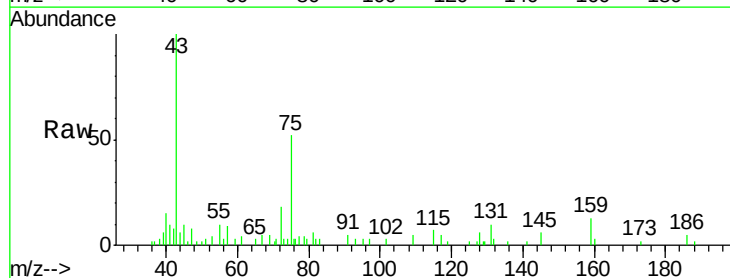
Acq: 27 Aug 2019 02:00

Tgt Ion: 43 Resp: 8372

Ion Ratio Lower Upper

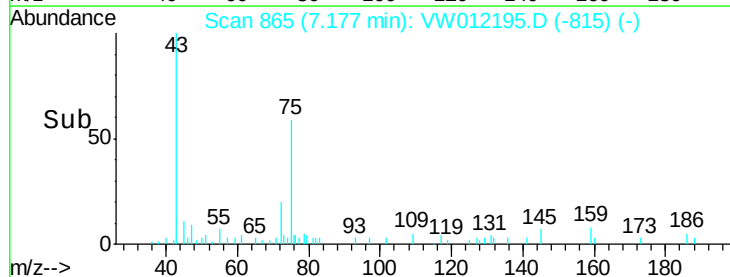
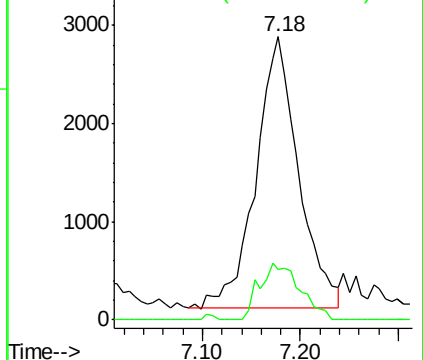
43 100

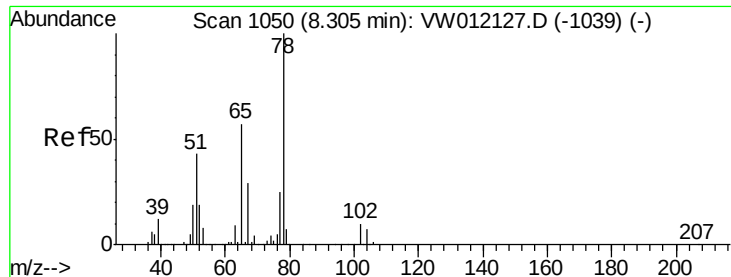
72 18.3 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#33

1,2-Dichloroethane-d4

Concen: 87.732 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012195.D

Acq: 27 Aug 2019 02:00

Instrument :

MSVOA_W

ClientSampled :

B-2

Tot Ion: 65 Resp: 175096

Ion Ratio Lower Upper

65 100

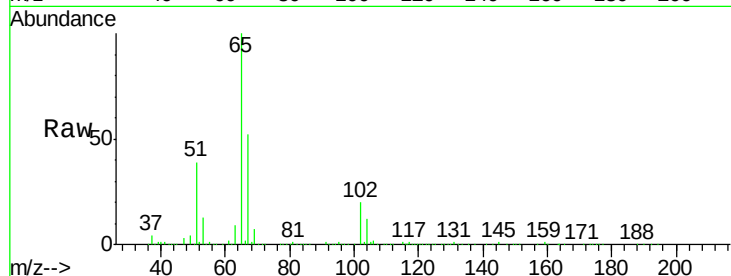
67 52.1 0.0 102.6

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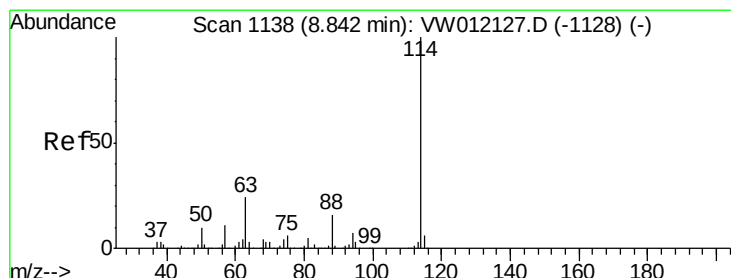
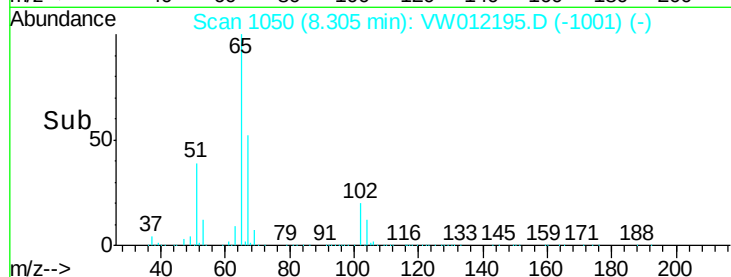
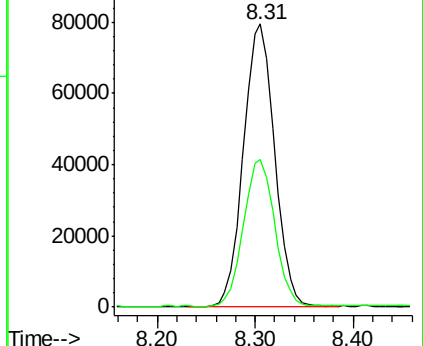
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Abundance Ion 64.90 (64.60 to 65.60): VW

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: VW012195.D

Acq: 27 Aug 2019 02:00

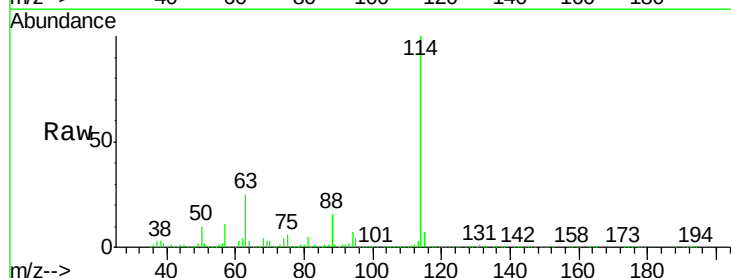
Tgt Ion: 114 Resp: 329741

Ion Ratio Lower Upper

114 100

63 24.6 0.0 48.6

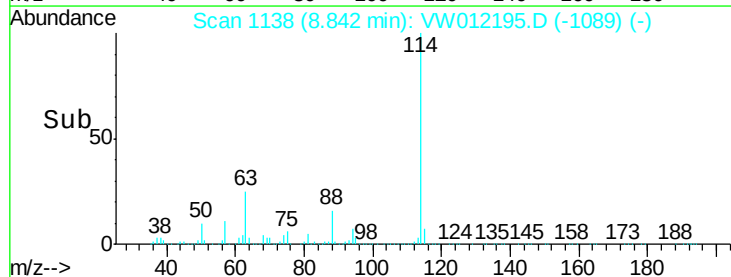
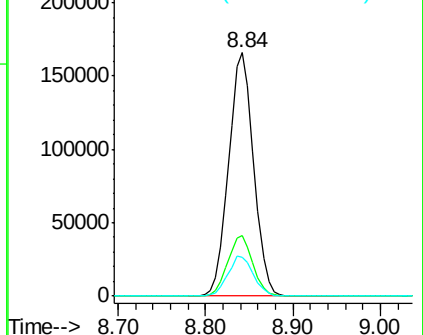
88 16.2 0.0 32.2

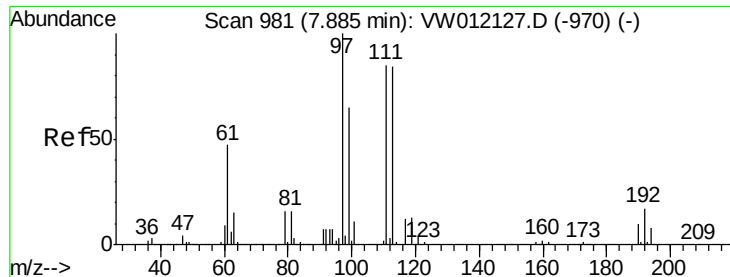


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 63.284 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW012195.D

Acq: 27 Aug 2019 02:00

Instrument :

MSVOA_W

ClientSampled :

B-2

Tot Ion:113 Resp: 124558

Ion Ratio Lower Upper

113 100

111 102.9 82.7 124.1

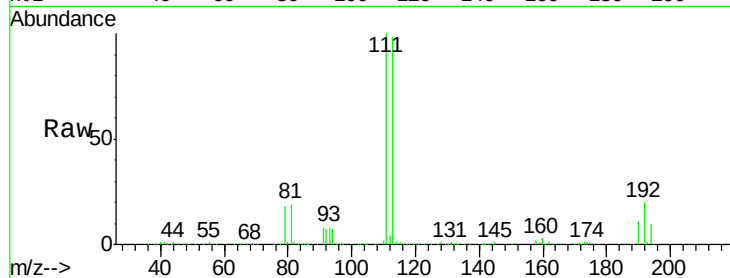
192 20.6 16.2 24.2

Manual Integrations

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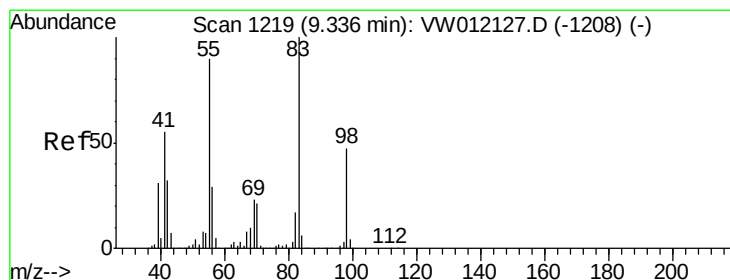
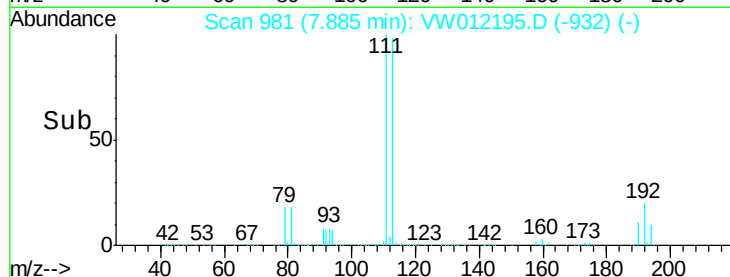
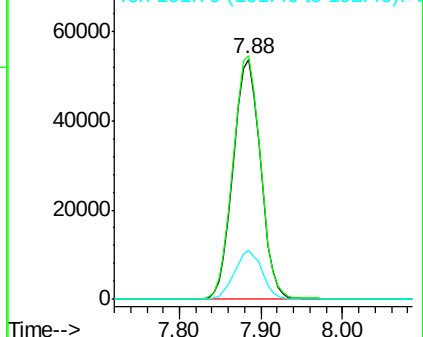
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Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#39

Methylcyclohexane

Concen: 5.812 ug/l

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW012195.D

Acq: 27 Aug 2019 02:00

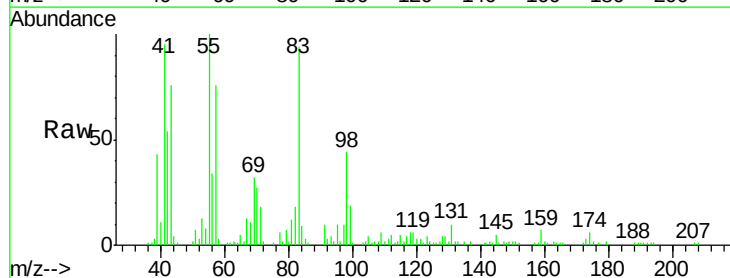
Tgt Ion: 83 Resp: 22249

Ion Ratio Lower Upper

83 100

55 101.6 71.8 107.8

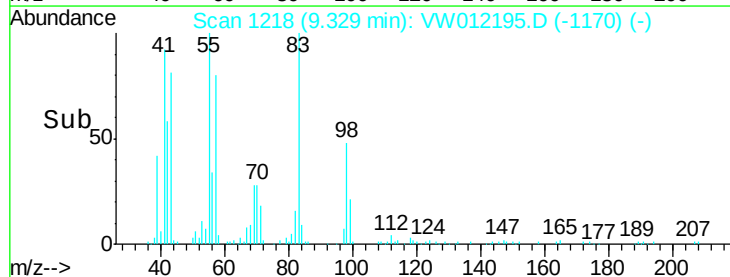
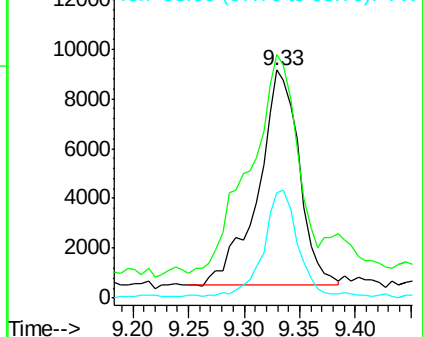
98 48.0 37.8 56.8

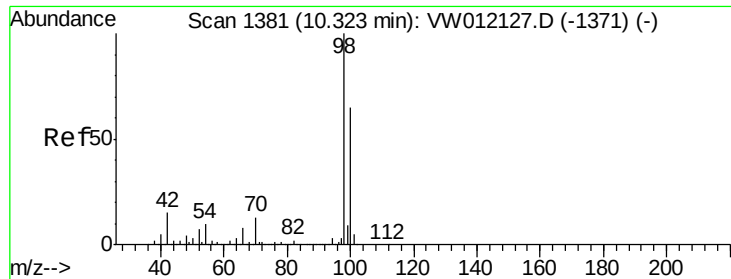


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





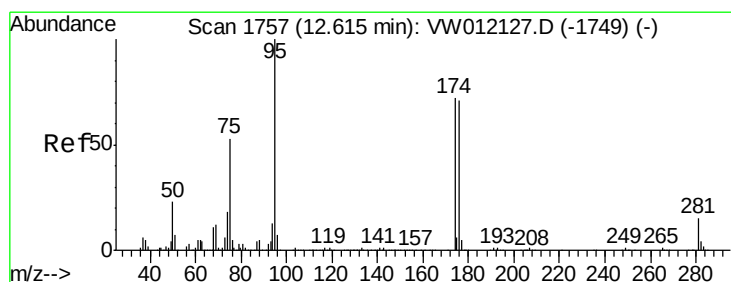
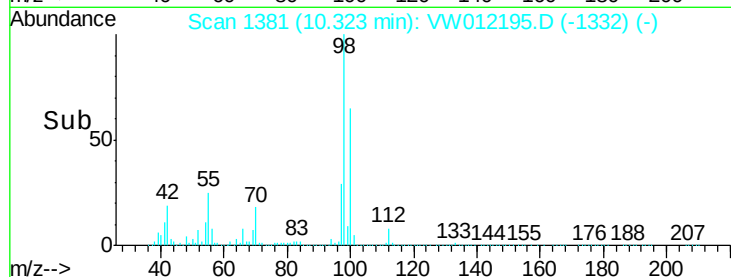
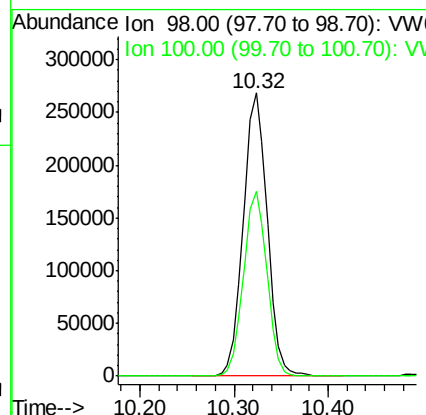
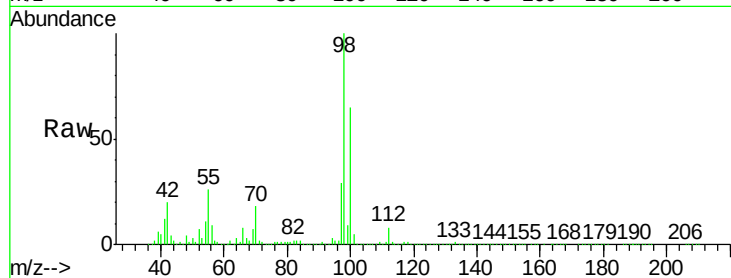
#50
Toluene-d8
Concen: 59.521 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012195.D
Acq: 27 Aug 2019 02:00

Instrument :
MSVOA_W
ClientSampled :
B-2

Tot Ion: 98 Resp: 475016
Ion Ratio Lower Upper
98 100
100 63.8 52.4 78.6

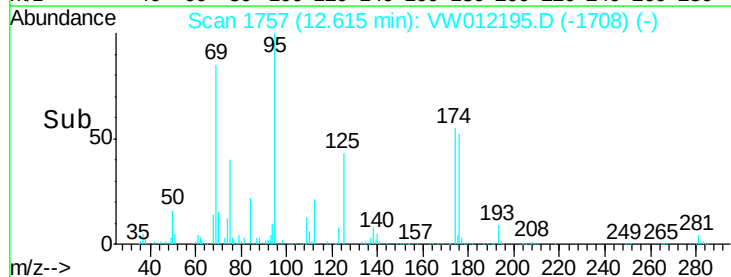
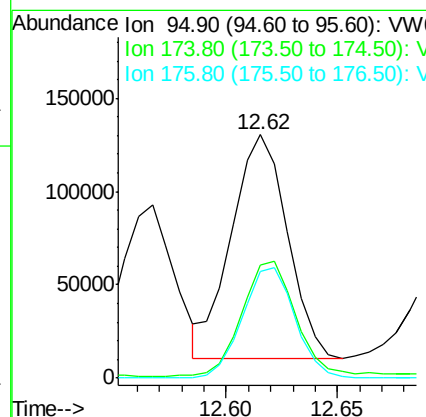
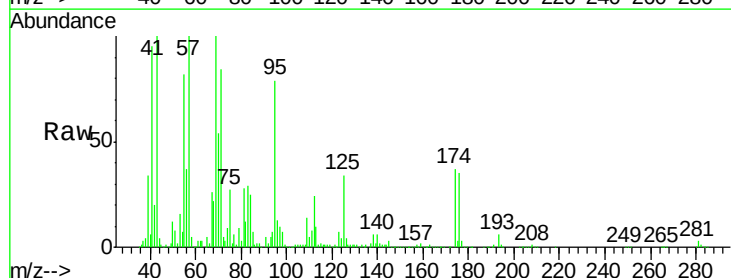
Manual Integrations
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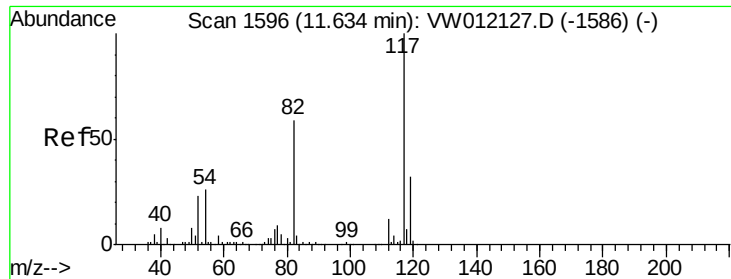
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#62
4-Bromofluorobenzene
Concen: 74.874 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012195.D
Acq: 27 Aug 2019 02:00

Tgt Ion: 95 Resp: 210632
Ion Ratio Lower Upper
95 100
174 50.5 0.0 150.8
176 46.3 0.0 148.6





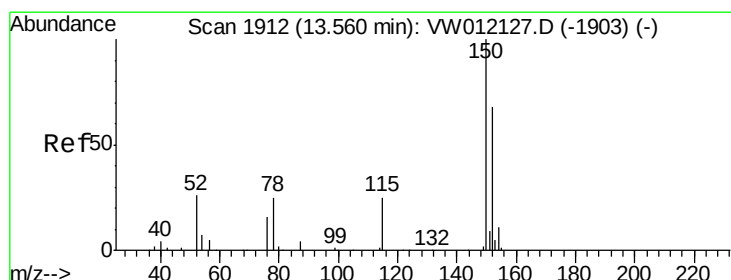
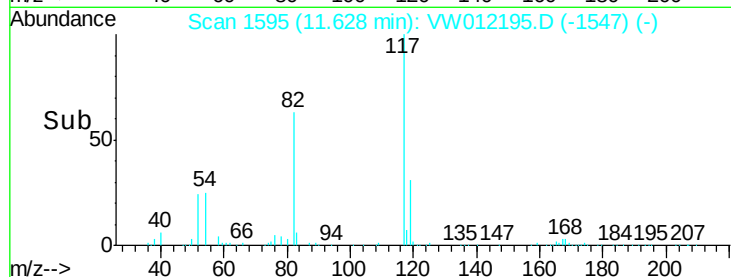
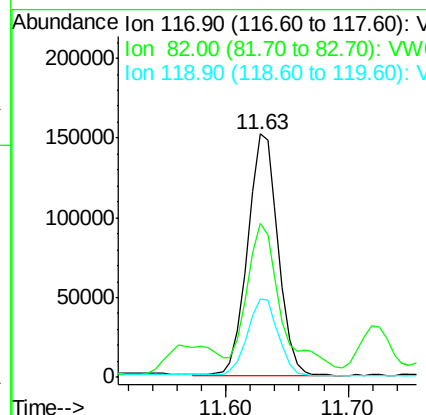
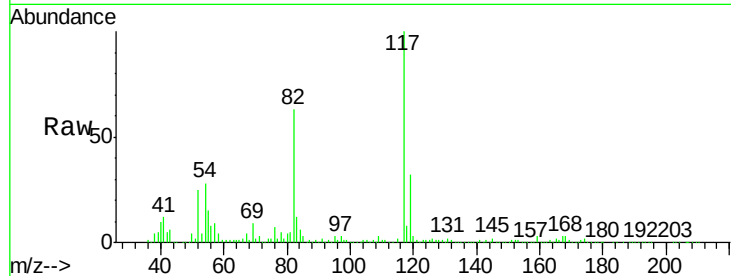
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012195.D
Acq: 27 Aug 2019 02:00

Instrument :
MSVOA_W
ClientSampled :
B-2

Tot Ion	Ratio	Resp	Lower	Upper
117	100	261152		
82	60.2	47.4	71.2	
119	31.6	25.4	38.2	

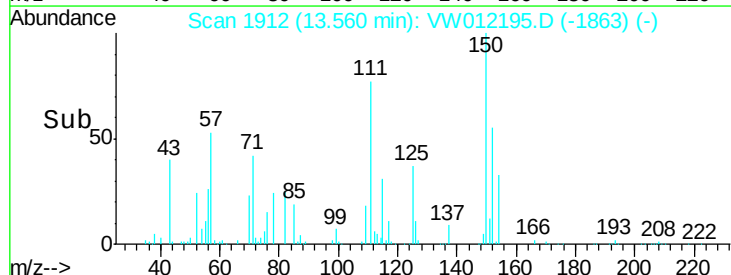
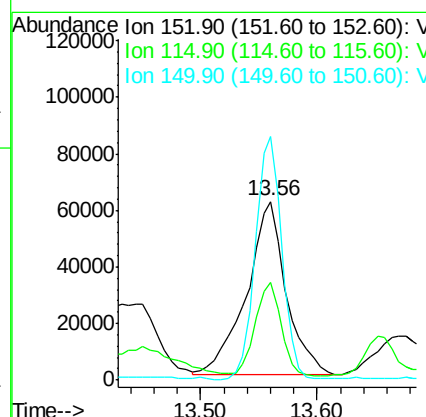
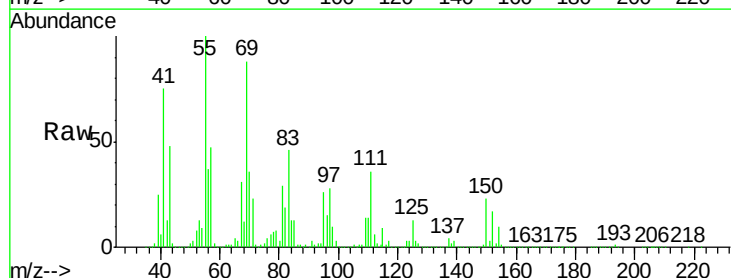
Manual Integrations
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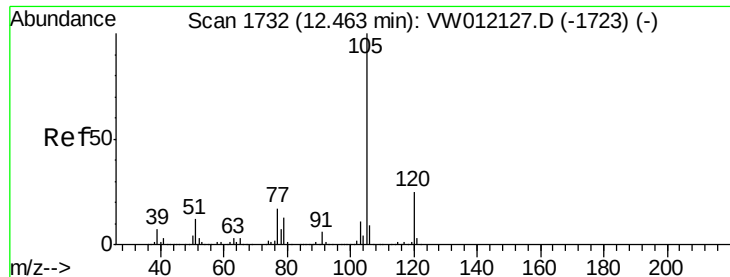
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012195.D
Acq: 27 Aug 2019 02:00

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	144336		
115	35.9	30.1	90.3	
150	94.0	0.0	345.8	





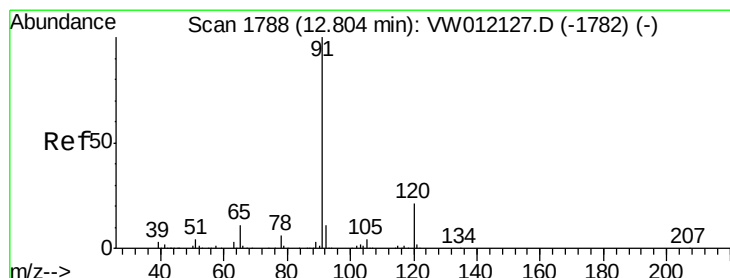
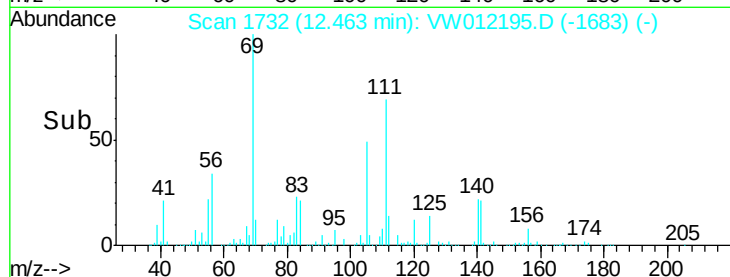
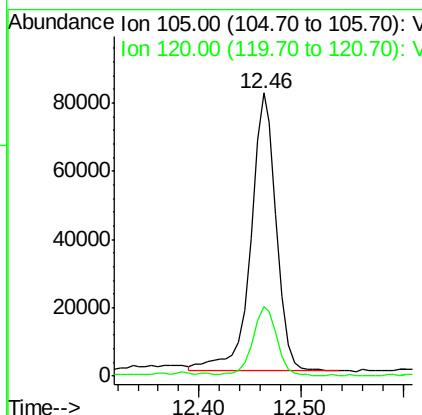
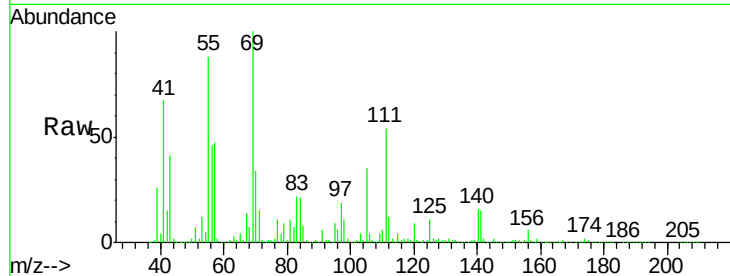
#73
Isopropylbenzene
Concen: 13.161 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW012195.D
Acq: 27 Aug 2019 02:00

Instrument :
MSVOA_W
ClientSampleId :
B-2

Tot Ion	Ratio	Lower	Upper
105	100		
120	23.4	12.5	37.5

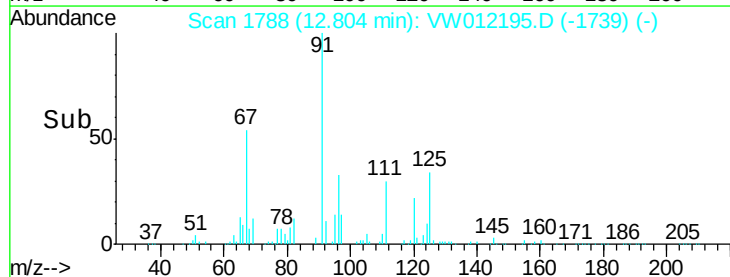
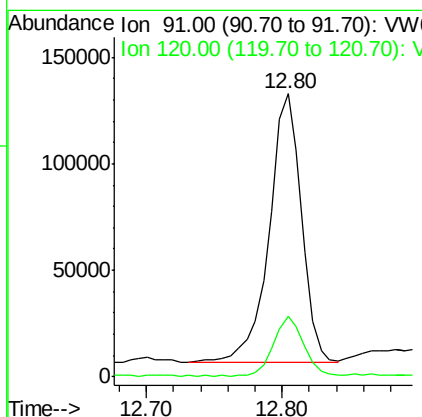
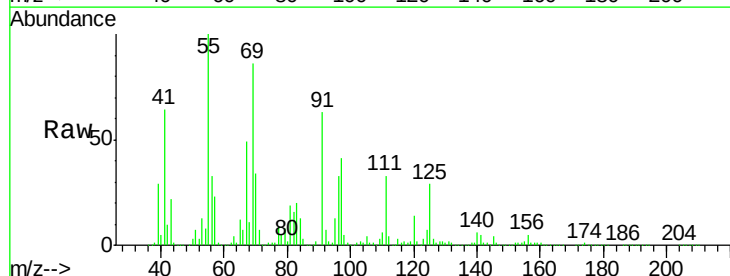
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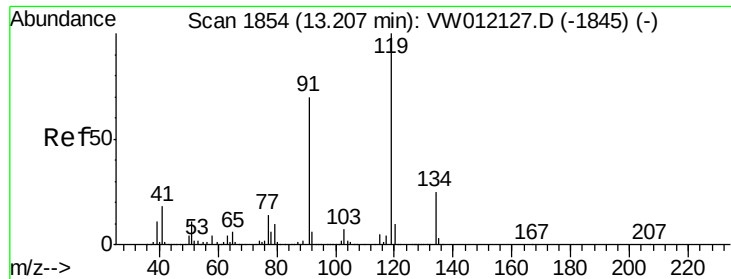
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#78
n-propylbenzene
Concen: 15.845 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW012195.D
Acq: 27 Aug 2019 02:00

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.5	10.5	31.6





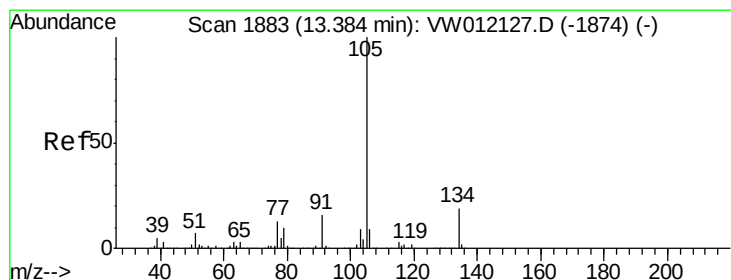
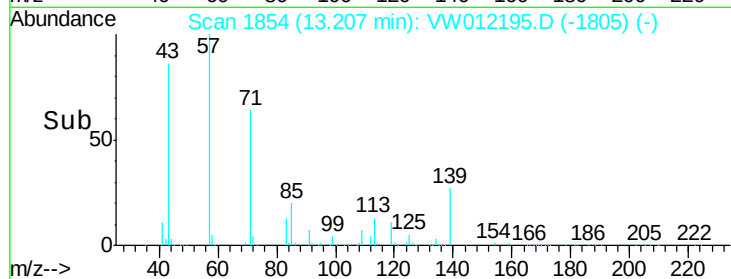
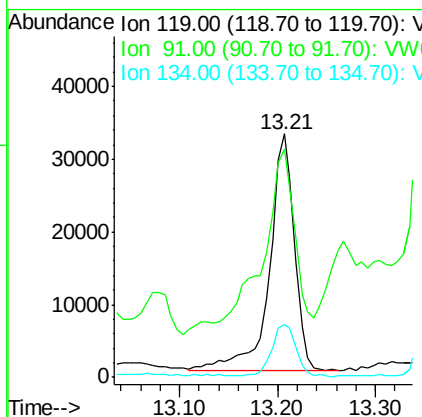
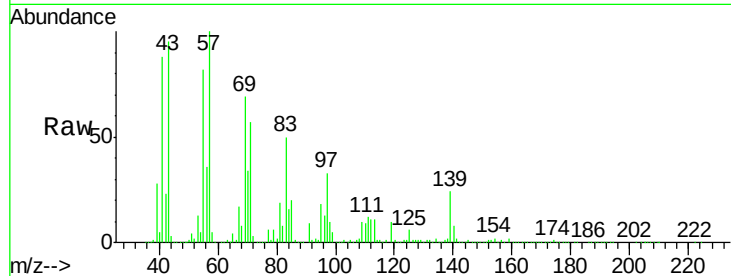
#83
tert-Butylbenzene
Concen: 7.773 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW012195.D
Acq: 27 Aug 2019 02:00

Instrument :
MSVOA_W
ClientSampled :
B-2

Tot Ion	Ratio	Lower	Upper
119	100		
91	105.1	34.8	104.3#
134	0.0	13.3	39.8#

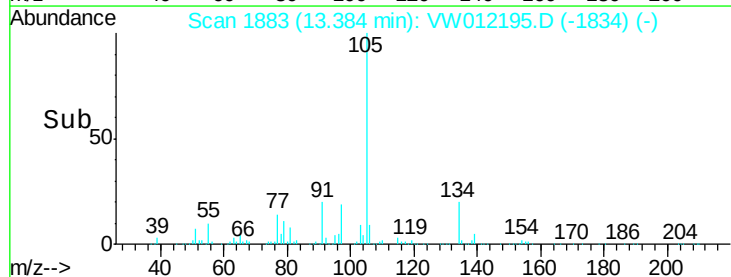
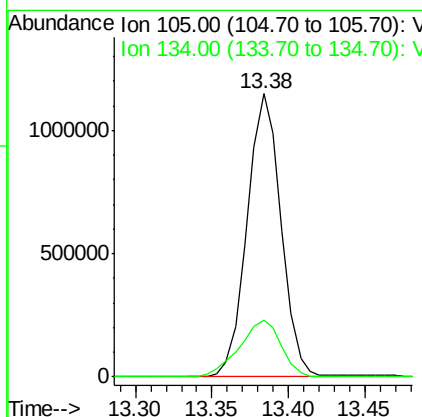
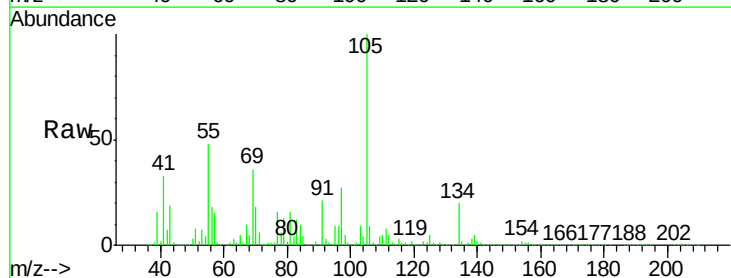
Manual Integrations
APPROVED

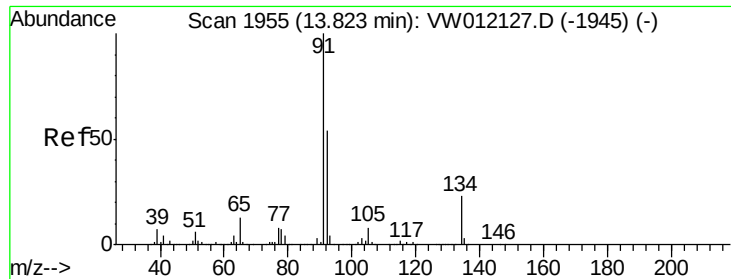
MMDadoda
8/27/2019 11:04:51 AM



#85
sec-Butylbenzene
Concen: 160.337 ug/l
RT: 13.38 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VW012195.D
Acq: 27 Aug 2019 02:00

Tgt Ion	Ratio	Lower	Upper
105	100		
134	25.0	9.8	29.4





#89

n-Butylbenzene

Concen: 94.302 ug/l m

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW012195.D

Acq: 27 Aug 2019 02:00

Instrument :

MSVOA_W

ClientSampleId :

B-2

Tot Ion:	91	Resp:	918527
Ion Ratio	Lower	Upper	
91	100		
92	53.3	27.1	81.2
134	50.9	12.2	36.4

Manual Integrations
APPROVED

MMDadoda
8/27/2019 11:04:51 AM

