

Data Path : W:\HPCHEM1\MSVOA H\DATA\XH092115\
 Data File : VH057094.D
 Acq On : 21 Sep 2015 16:08
 Operator : SY/FY
 Sample : G3747-02
 Misc : 6.55/10mL/100uL/5mL/MSVOA_H/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_H
 ClientSampleId :
 TRENCH-1-2

Manual Integrations
 APPROVED

MMDadoda
 9/22/2015 2:54:56 PM

Quant Time: Sep 22 07:15:33 2015
 Quant Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:34:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.82	168	1292619	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.54	114	2234032	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.70	117	1749776	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.48	152	582980	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.79	65	917770	39.76	ug/l	-0.02
Spiked Amount 50.000	Range 66 - 150		Recovery =	79.52%		
35) Dibromofluoromethane	4.06	113	922978	51.89	ug/l	-0.03
Spiked Amount 50.000	Range 76 - 130		Recovery =	103.78%		
48) Toluene-d8	7.50	98	2560521	50.06	ug/l	-0.02
Spiked Amount 50.000	Range 78 - 121		Recovery =	100.12%		
62) 4-Bromofluorobenzene	11.35	95	882185m	51.15	ug/l	0.00
Spiked Amount 50.000	Range 70 - 131		Recovery =	102.30%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
39) Benzene	4.58	78	90492	1.55	ug/l	99
44) Methylcyclohexane	5.40	83	26256	1.86	ug/l	97
50) Toluene	7.56	92	242451	6.48	ug/l	99
67) Ethyl Benzene	9.83	106	257638	14.14	ug/l	94
68) m/p-Xylenes	10.06	106	300429	13.55	ug/l	96
69) o-Xylene	10.65	106	131099	6.16	ug/l	99
70) Styrene	10.73	104	14007	0.38	ug/l #	85
73) Isopropylbenzene	11.06	105	91227	1.71	ug/l	86
78) n-propylbenzene	11.54	91	103388	1.82	ug/l	97
80) 1,3,5-Trimethylbenzene	11.76	105	116487	3.35	ug/l	91
84) 1,2,4-Trimethylbenzene	12.14	105	1024233	28.52	ug/l	100
85) sec-Butylbenzene	12.24	105	150777	4.29	ug/l	82
86) p-Isopropyltoluene	12.39	119	195028	7.31	ug/l	96
89) n-Butylbenzene	12.78	91	239264	11.22	ug/l	95
95) Naphthalene	14.38	128	8299383	510.80	ug/l #	91

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

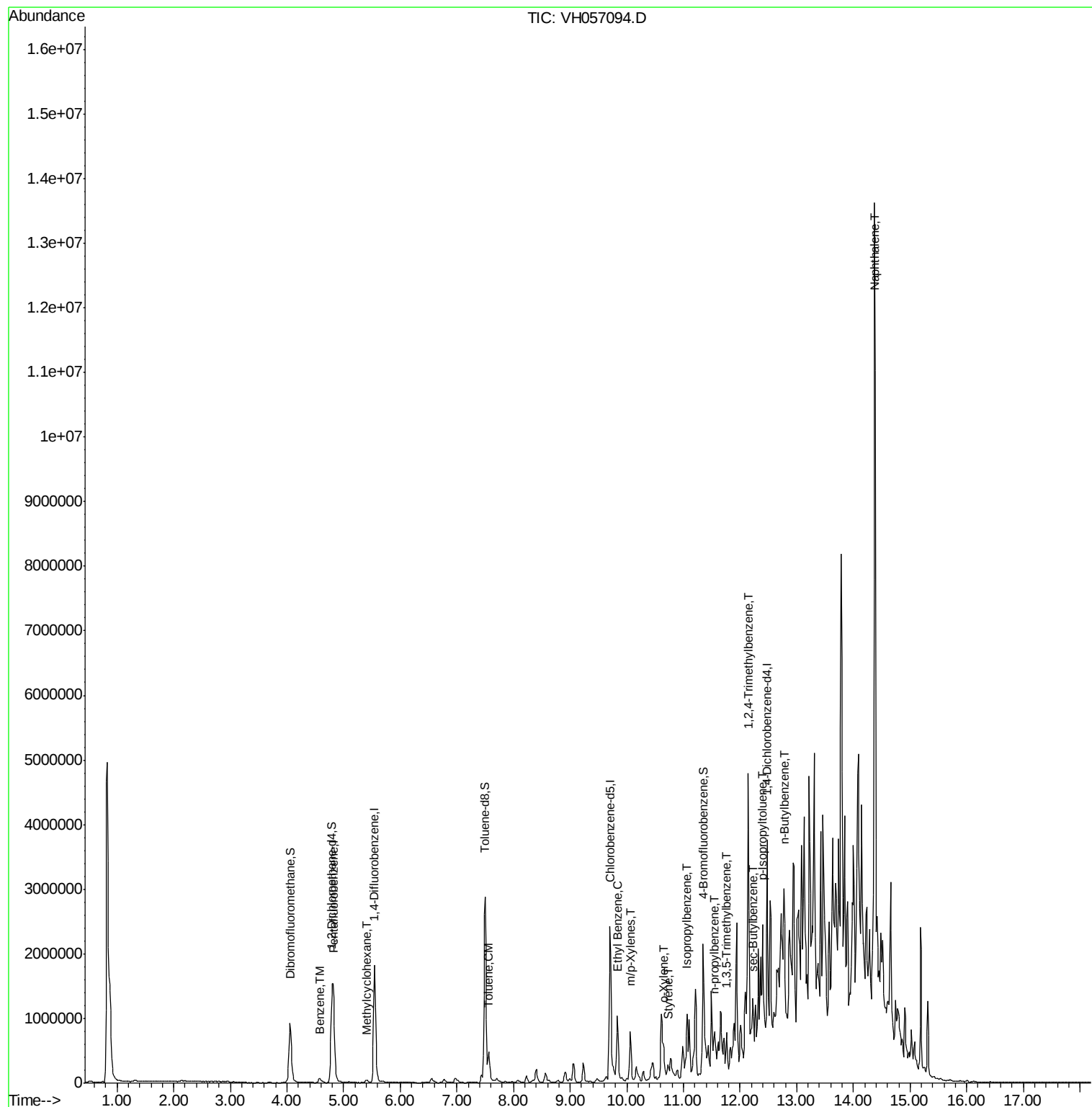
Data Path : W:\HPCHEM1\MSVOA H\DATA\VH092115\
Data File : VH057094.D
Acq On : 21 Sep 2015 16:08
Operator : SY/FY
Sample : G3747-02
Misc : 6.55/10mL/100uL/5mL/MSVOA_H/MEOH
ALS Vial : 9 Sample Multiplier: 1

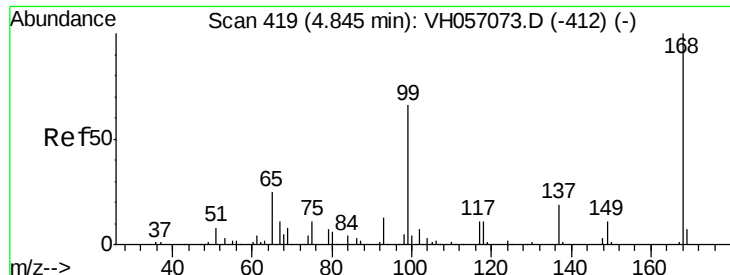
Instrument :
MSVOA_H
ClientSampleId :
TRENCH-1-2

Manual Integrations
APPROVED

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Quant Time: Sep 22 07:15:33 2015
Quant Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 18 15:34:01 2015
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.82 min Scan# 418

Delta R.T. -0.02 min

Lab File: VH057094.D

Acq: 21 Sep 2015 16:08

Instrument :

MSVOA_H

ClientSampleId :

TRENCH-1-2

Tot Ion:168 Resp: 1292619

Ion Ratio Lower Upper

168 100

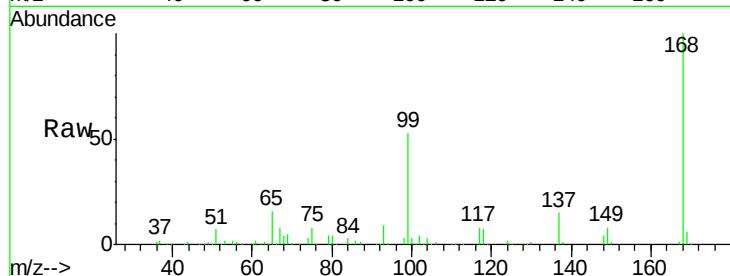
99 53.1 55.8 83.6#

Manual Integrations

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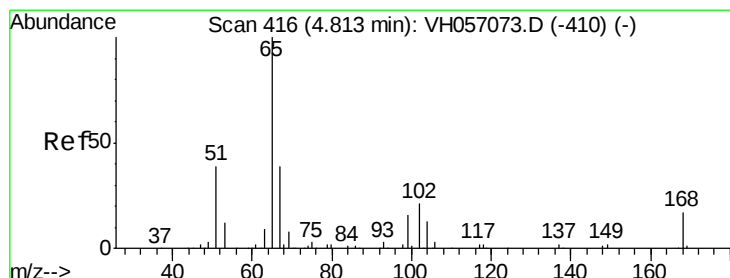
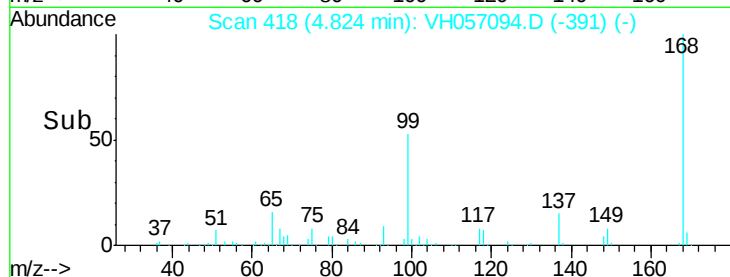
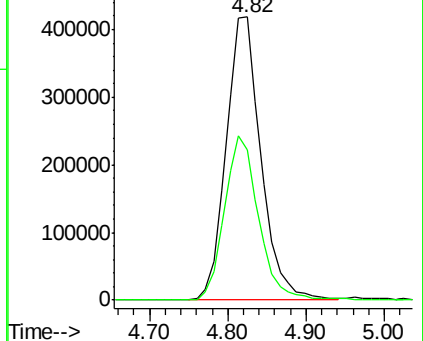
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Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VH0



#33

1,2-Dichloroethane-d4

Concen: 39.76 ug/l

RT: 4.79 min Scan# 415

Delta R.T. -0.02 min

Lab File: VH057094.D

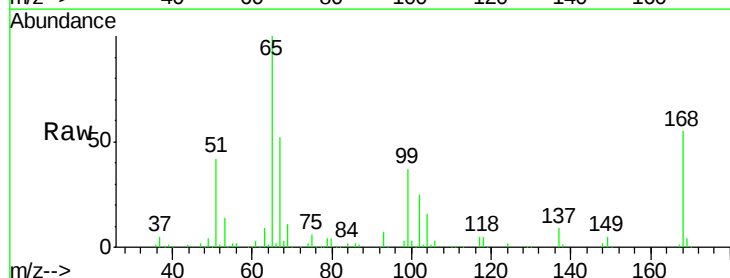
Acq: 21 Sep 2015 16:08

Tgt Ion: 65 Resp: 917770

Ion Ratio Lower Upper

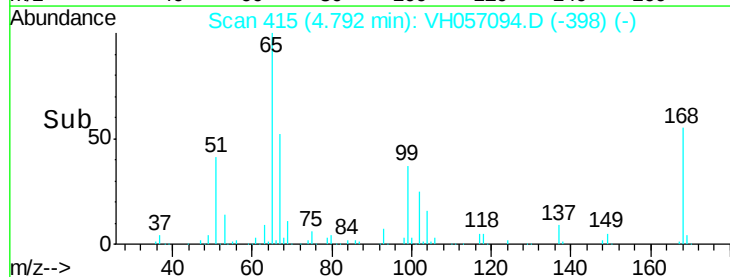
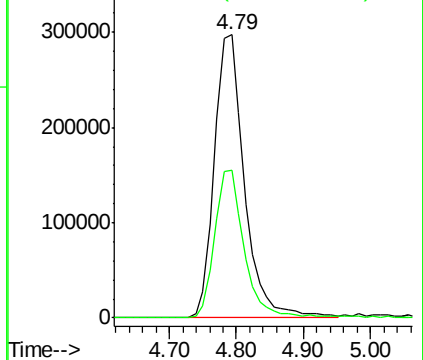
65 100

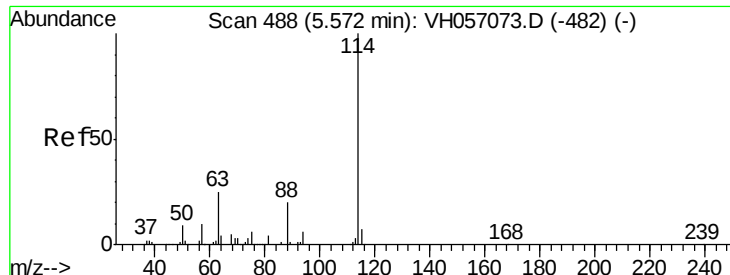
67 52.2 43.2 64.8



Abundance Ion 65.00 (64.70 to 65.70): VH0

Ion 67.00 (66.70 to 67.70): VH0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.54 min Scan# 486

Delta R.T. -0.03 min

Lab File: VH057094.D

Acq: 21 Sep 2015 16:08

Instrument :

MSVOA_H

ClientSampled :

TRENCH-1-2

Tot Ion:114 Resp: 2234032

Ion Ratio Lower Upper

114 100

63 22.1 19.0 28.4

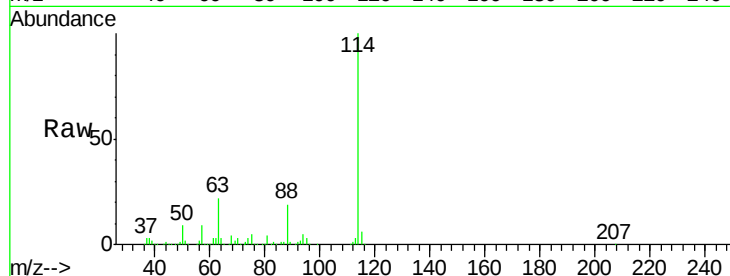
88 18.7 15.7 23.5

Manual Integrations

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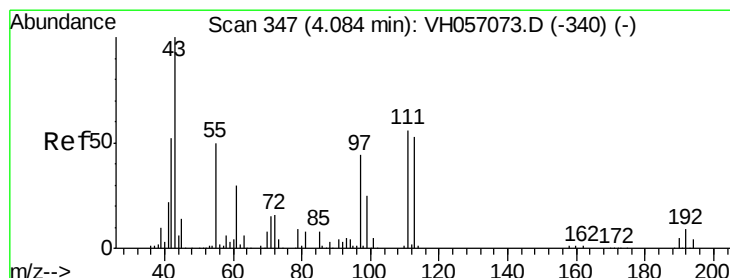
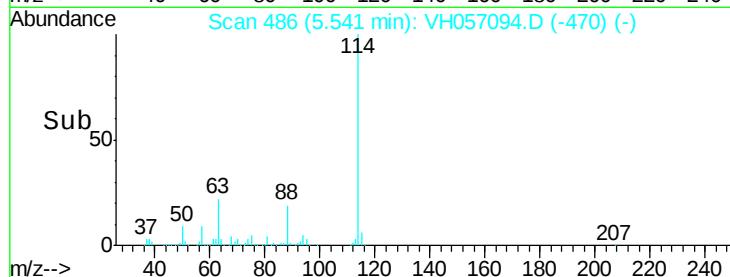
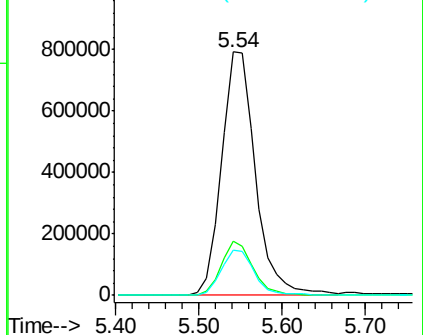
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Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): V

Ion 88.00 (87.70 to 88.70): V



#35

Dibromofluoromethane

Concen: 51.89 ug/l

RT: 4.06 min Scan# 345

Delta R.T. -0.03 min

Lab File: VH057094.D

Acq: 21 Sep 2015 16:08

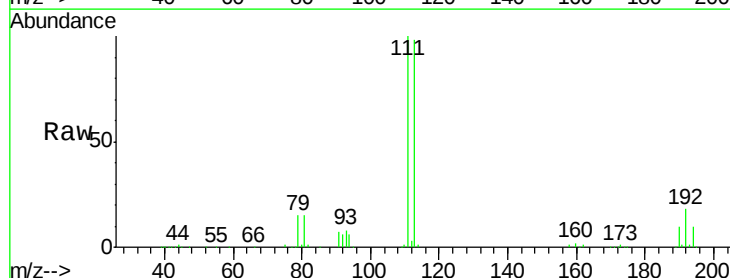
Tgt Ion:113 Resp: 922978

Ion Ratio Lower Upper

113 100

111 101.6 84.0 126.0

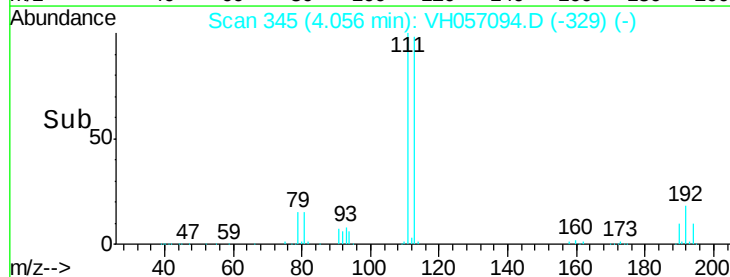
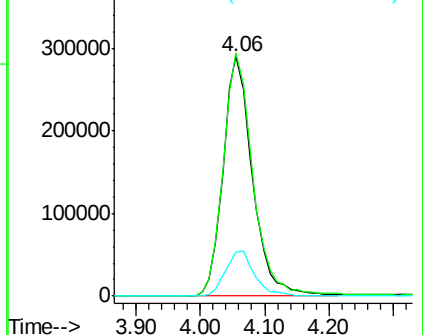
192 18.4 13.6 20.4

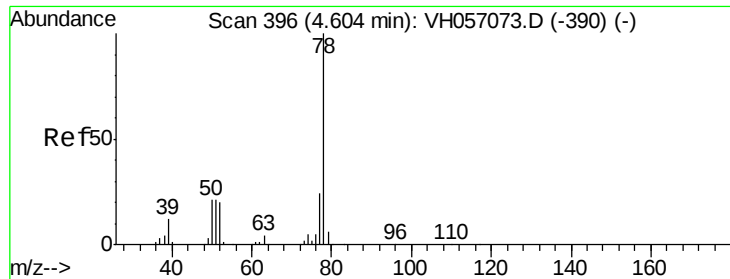


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#39

Benzene

Concen: 1.55 ug/l

RT: 4.58 min Scan# 395

Delta R.T. -0.02 min

Lab File: VH057094.D

Acq: 21 Sep 2015 16:08

Instrument :

MSVOA_H

ClientSampleId :

TRENCH-1-2

Tot Ion: 78 Resp: 90492

Ion Ratio Lower Upper

78 100

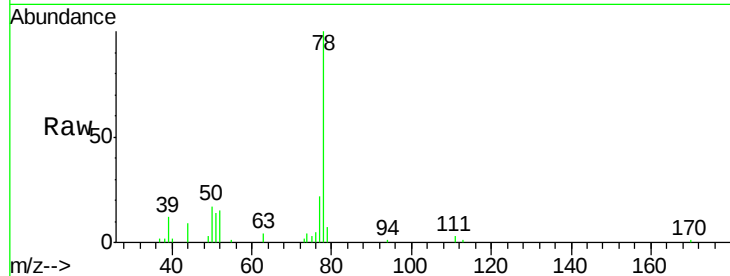
77 22.4 18.5 27.7

Manual Integrations

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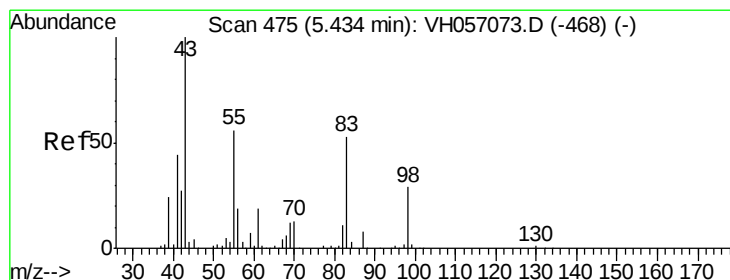
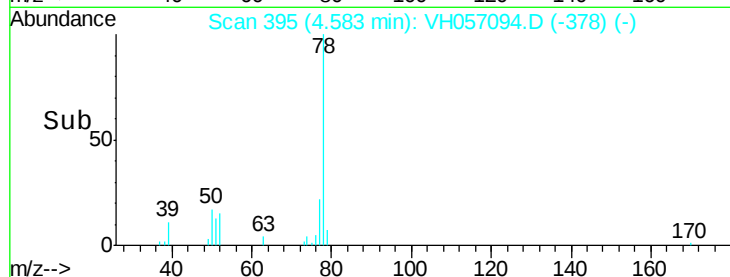
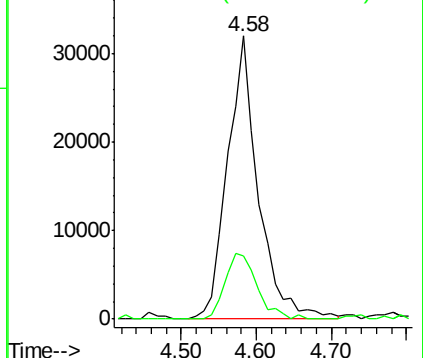
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Abundance Ion 78.10 (77.80 to 78.80): VH0

Ion 77.00 (76.70 to 77.70): VH0



#44

Methylcyclohexane

Concen: 1.86 ug/l

RT: 5.40 min Scan# 473

Delta R.T. -0.03 min

Lab File: VH057094.D

Acq: 21 Sep 2015 16:08

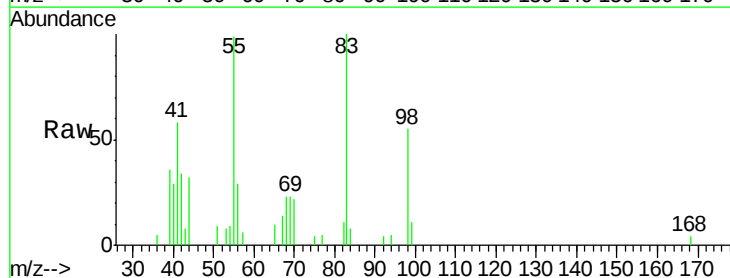
Tgt Ion: 83 Resp: 26256

Ion Ratio Lower Upper

83 100

55 99.4 0.0 207.2

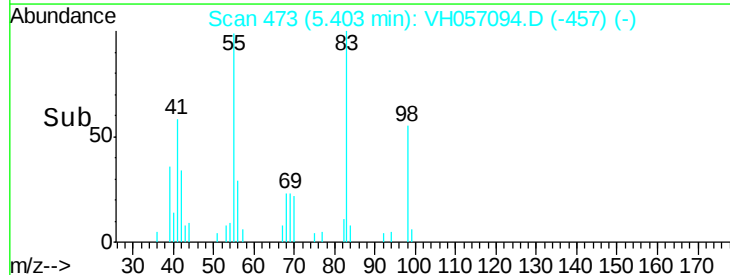
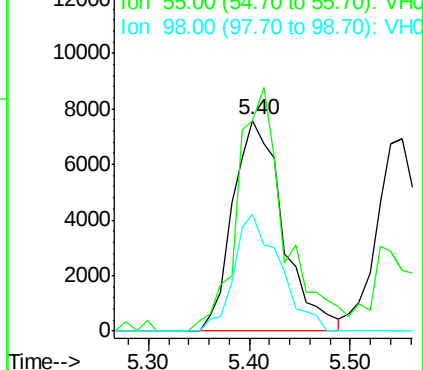
98 55.4 0.0 108.4

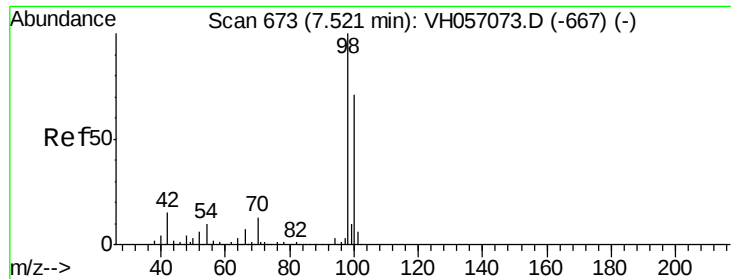


Abundance Ion 83.00 (82.70 to 83.70): VH0

Ion 55.00 (54.70 to 55.70): VH0

Ion 98.00 (97.70 to 98.70): VH0





#48

Toluene-d8

Concen: 50.06 ug/l

RT: 7.50 min Scan# 672

Delta R.T. -0.02 min

Lab File: VH057094.D

Acq: 21 Sep 2015 16:08

Instrument :

MSVOA_H

ClientSampleId :

TRENCH-1-2

Tot Ion: 98 Resp: 2560521

Ion Ratio Lower Upper

98 100

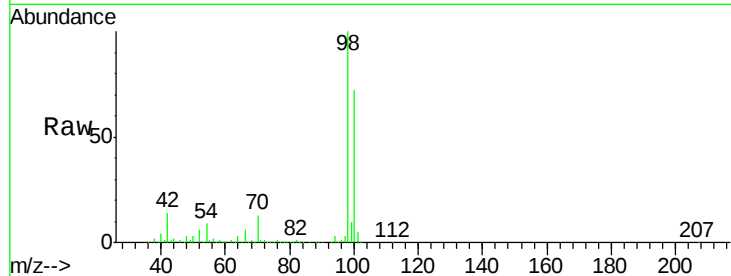
100 72.1 56.7 85.1

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Abundance Ion 98.00 (97.70 to 98.70): VH057073.D (-667) (-)

Ion 100.00 (99.70 to 100.70): VH057094.D (-661) (-)

1200000

1000000

800000

600000

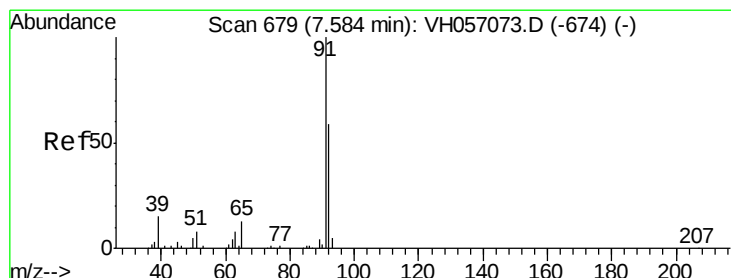
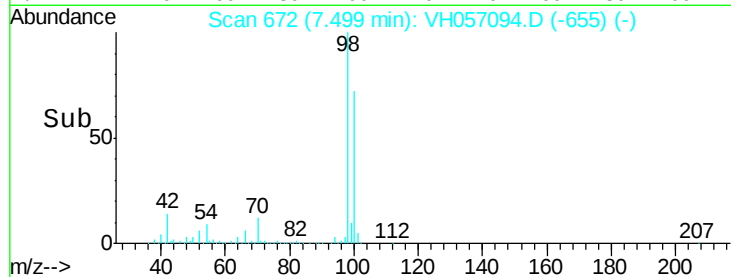
400000

200000

0

7.40 7.50 7.60 7.70

Time-->



#50

Toluene

Concen: 6.48 ug/l

RT: 7.56 min Scan# 678

Delta R.T. -0.02 min

Lab File: VH057094.D

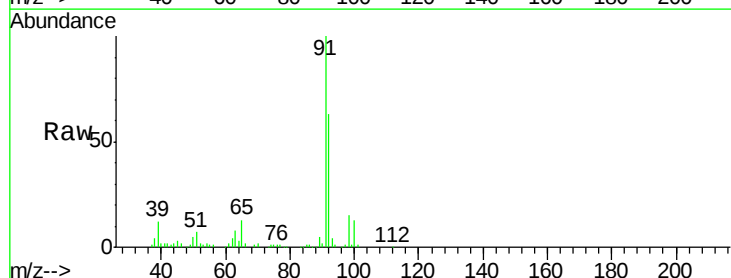
Acq: 21 Sep 2015 16:08

Tgt Ion: 92 Resp: 242451

Ion Ratio Lower Upper

92 100

91 158.1 125.8 188.6



Abundance Ion 92.00 (91.70 to 92.70): VH057073.D (-674) (-)

Ion 91.00 (90.70 to 91.70): VH057094.D (-661) (-)

150000

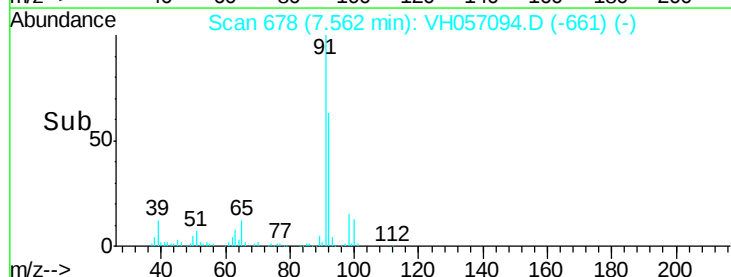
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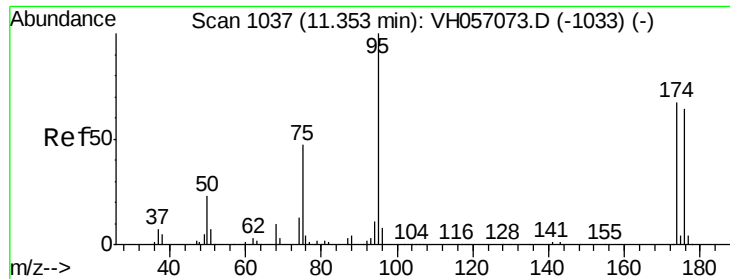
50000

0

7.50 7.56 7.60

Time-->





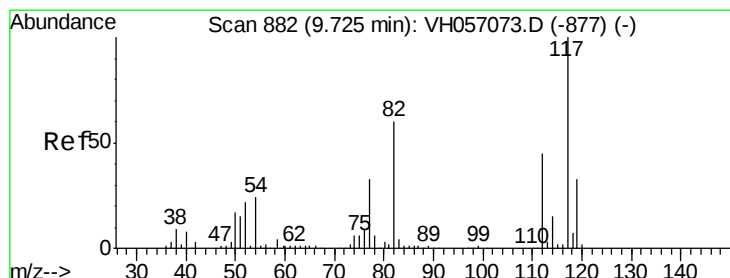
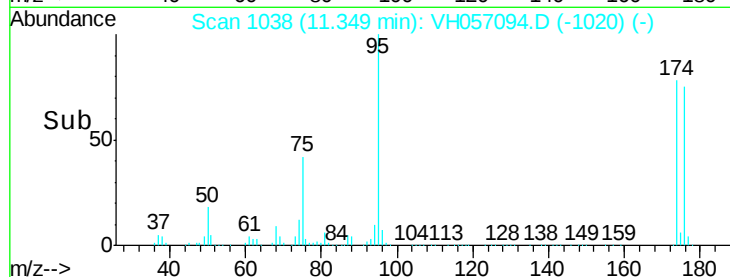
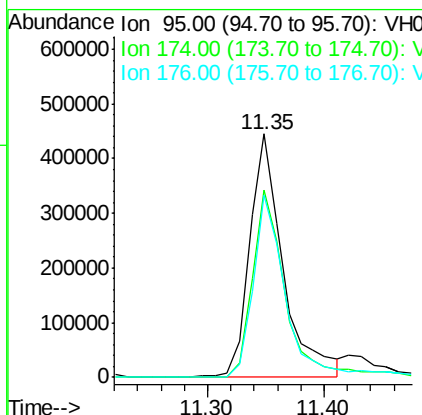
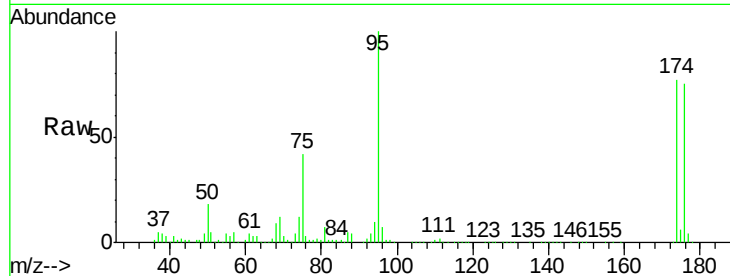
#62
4-Bromofluorobenzene
Concen: 51.15 ug/l m
RT: 11.35 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VH057094.D
Acq: 21 Sep 2015 16:08

Instrument :
MSVOA_H
ClientSampleId :
TRENCH-1-2

Tot Ion	Ratio	Resp	Lower	Upper
95	100	882185		
174	77.1	58.4	87.6	
176	75.0	54.3	81.5	

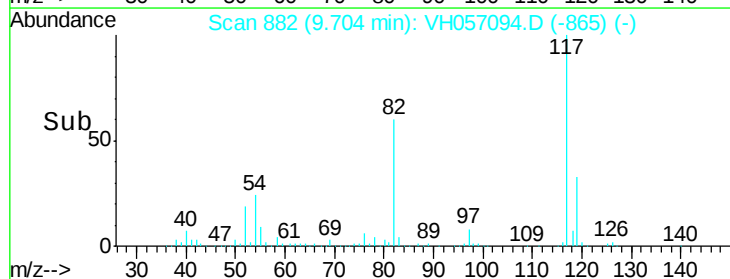
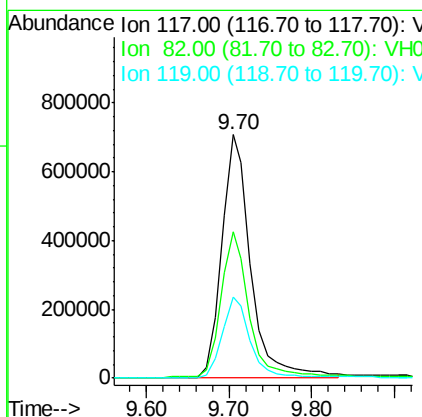
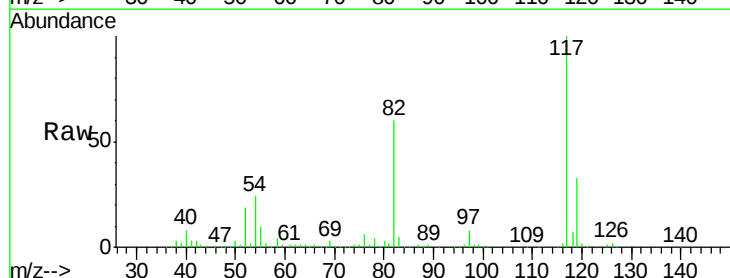
Manual Integrations
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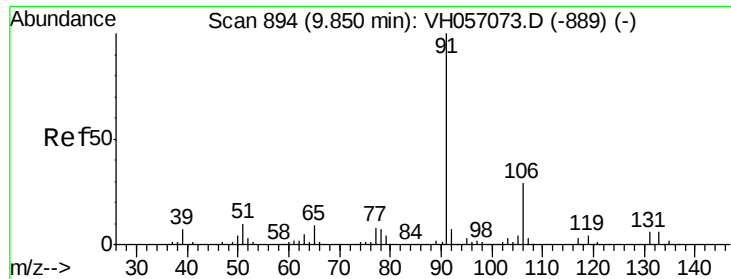
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#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.70 min Scan# 882
Delta R.T. -0.02 min
Lab File: VH057094.D
Acq: 21 Sep 2015 16:08

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	1749776		
82	60.3	51.0	76.6	
119	33.4	26.7	40.1	





#67

Ethyl Benzene

Concen: 14.14 ug/l

RT: 9.83 min Scan# 894

Delta R.T. -0.02 min

Lab File: VH057094.D

Acq: 21 Sep 2015 16:08

Instrument :

MSVOA_H

ClientSampleId :

TRENCH-1-2

Tot Ion:106 Resp: 257638

Ion Ratio Lower Upper

106 100

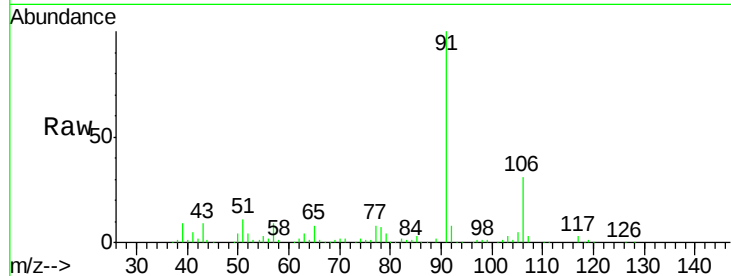
91 318.9 264.9 397.3

Manual Integrations

APPROVED

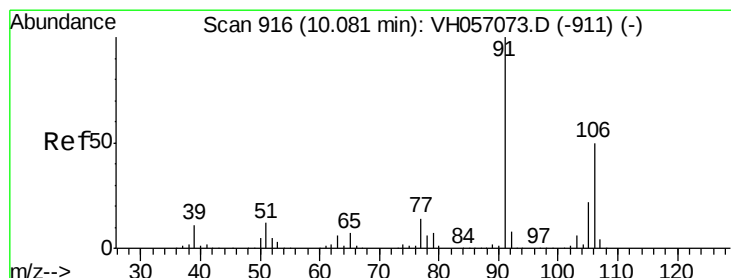
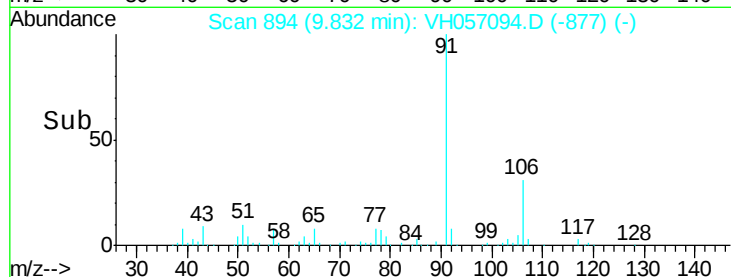
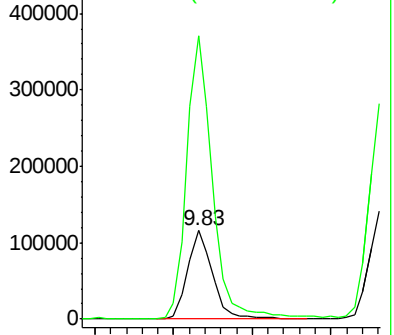
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Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VH0



#68

m/p-Xylenes

Concen: 13.55 ug/l

RT: 10.06 min Scan# 916

Delta R.T. -0.02 min

Lab File: VH057094.D

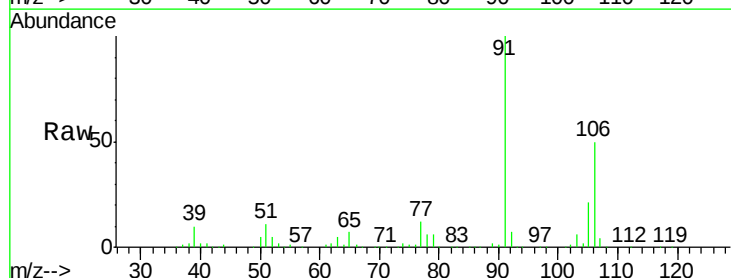
Acq: 21 Sep 2015 16:08

Tgt Ion:106 Resp: 300429

Ion Ratio Lower Upper

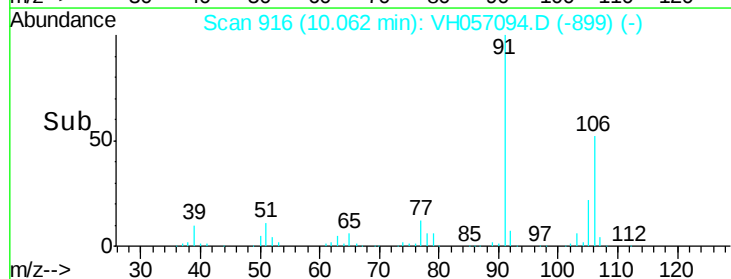
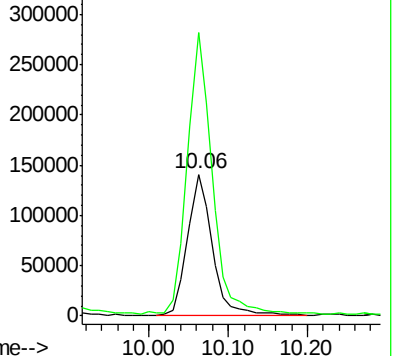
106 100

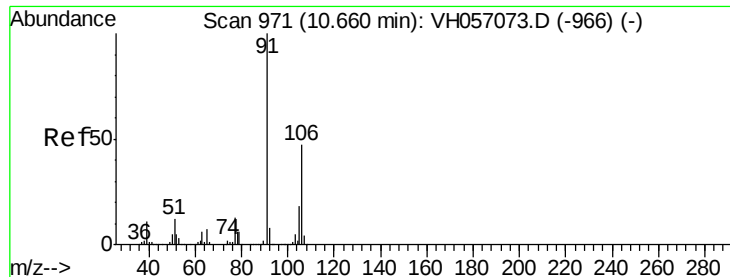
91 199.6 164.4 246.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VH0





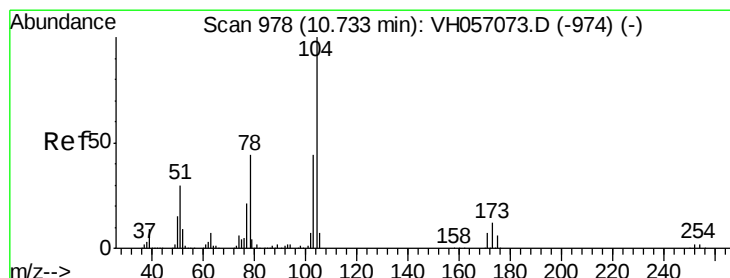
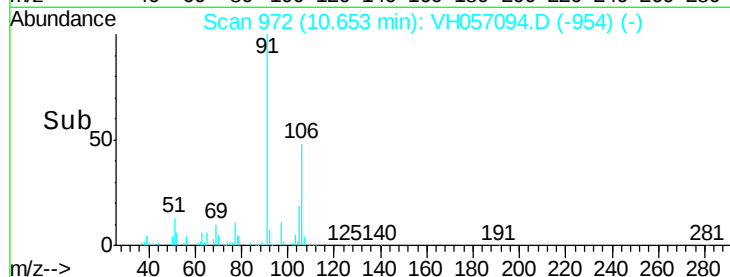
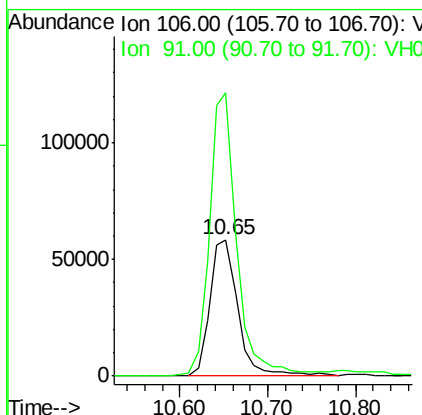
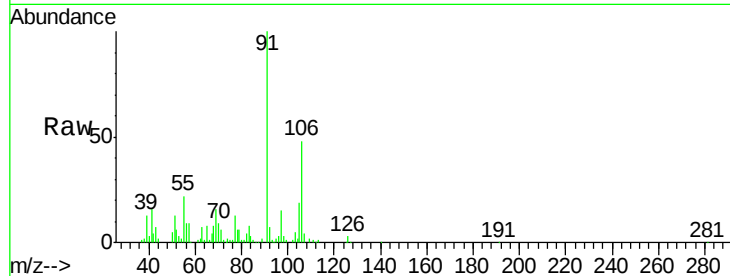
#69
o-Xylene
Concen: 6.16 ug/l
RT: 10.65 min Scan# 972
Delta R.T. -0.01 min
Lab File: VH057094.D
Acq: 21 Sep 2015 16:08

Instrument :
MSVOA_H
ClientSampled :
TRENCH-1-2

Tot Ion	Ratio	Resp	Lower	Upper
106	100	131099		
91	207.5	104.2	312.6	

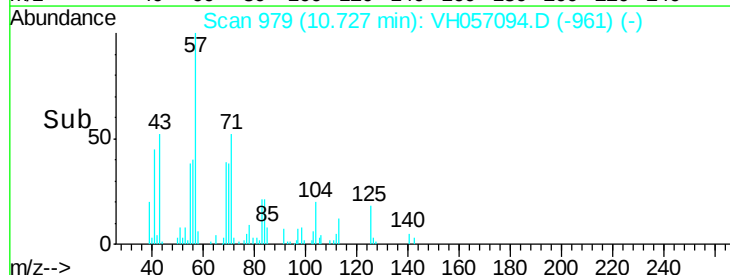
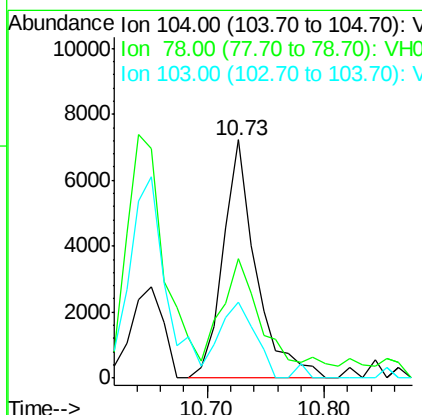
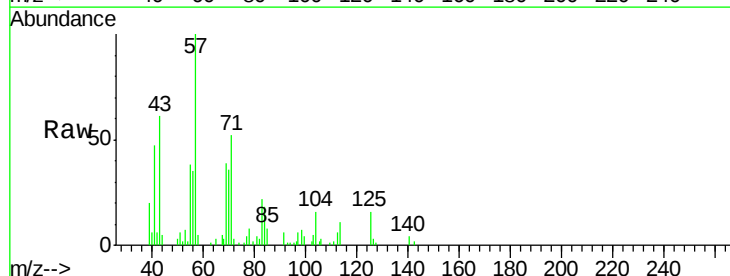
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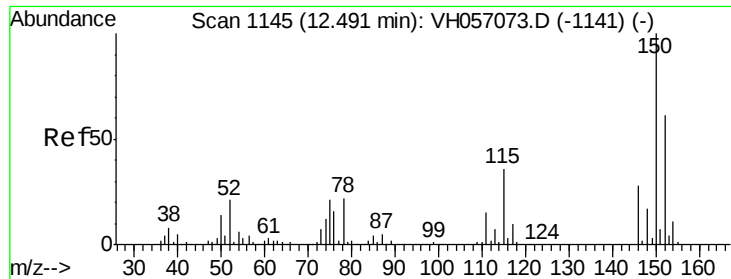
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#70
Styrene
Concen: 0.38 ug/l
RT: 10.73 min Scan# 979
Delta R.T. -0.01 min
Lab File: VH057094.D
Acq: 21 Sep 2015 16:08

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	14007		
78	50.3	35.2	52.8	
103	31.8	35.8	53.6#	





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.48 min Scan# 1146

Delta R.T. -0.01 min

Lab File: VH057094.D

Acq: 21 Sep 2015 16:08

Instrument :

MSVOA_H

ClientSampleId :

TRENCH-1-2

Tot Ion:152 Resp: 582980

Ion Ratio Lower Upper

152 100

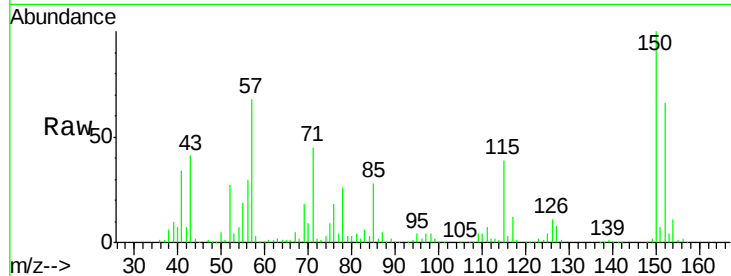
115 59.9 28.2 84.6

150 152.6 0.0 332.0

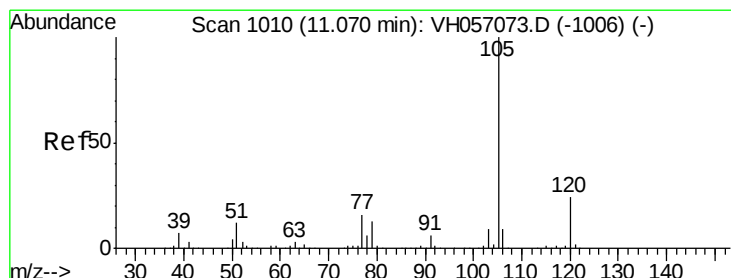
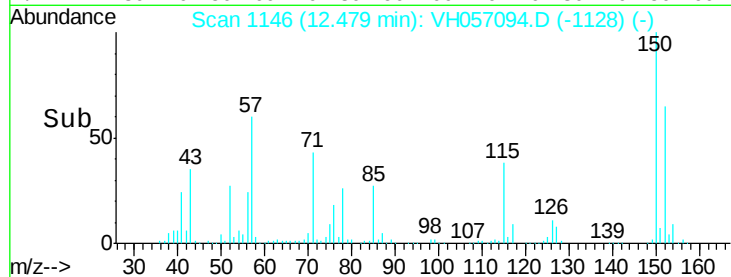
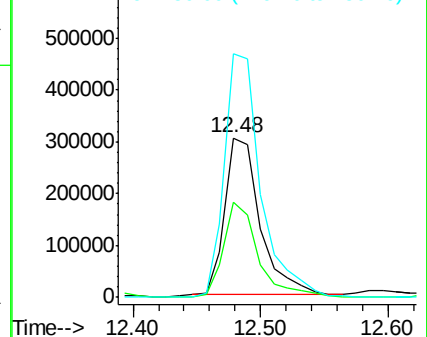
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Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



#73

Isopropylbenzene

Concen: 1.71 ug/l

RT: 11.06 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VH057094.D

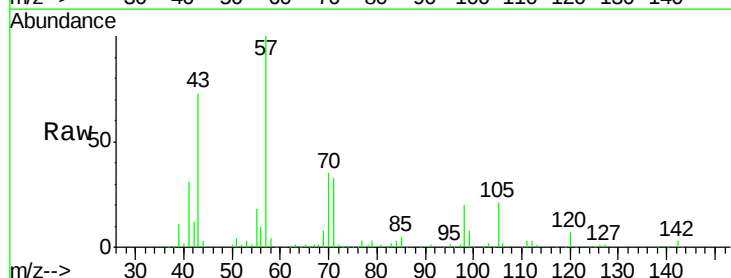
Acq: 21 Sep 2015 16:08

Tgt Ion:105 Resp: 91227

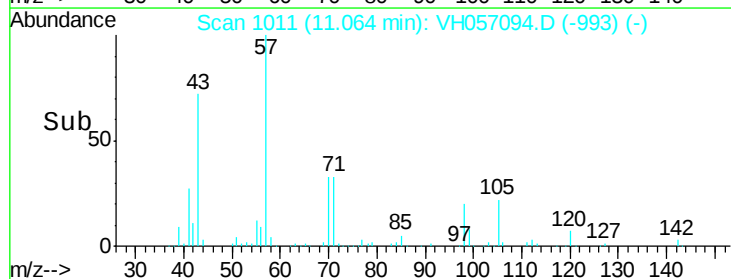
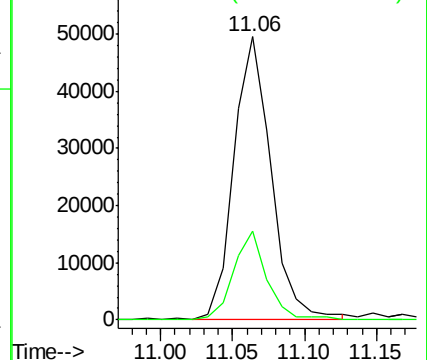
Ion Ratio Lower Upper

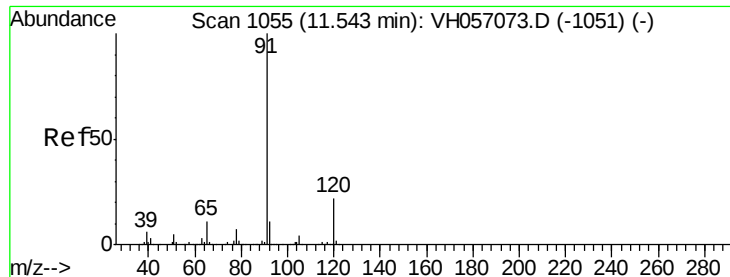
105 100

120 31.2 12.2 36.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 1.82 ug/l

RT: 11.54 min Scan# 1056

Delta R.T. -0.01 min

Lab File: VH057094.D

Acq: 21 Sep 2015 16:08

Instrument :

MSVOA_H

ClientSampleId :

TRENCH-1-2

Tot Ion: 91 Resp: 103388

Ion Ratio Lower Upper

91 100

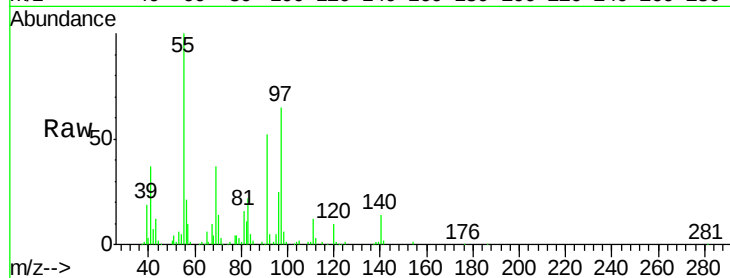
120 19.1 10.2 30.6

Manual Integrations

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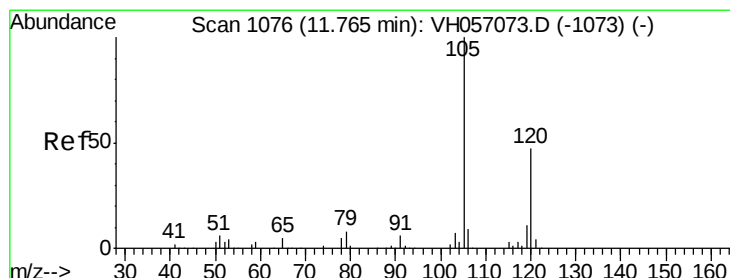
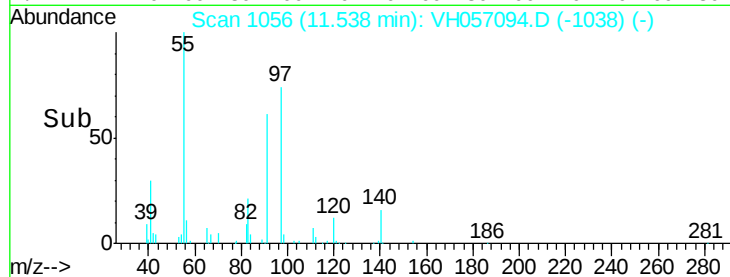
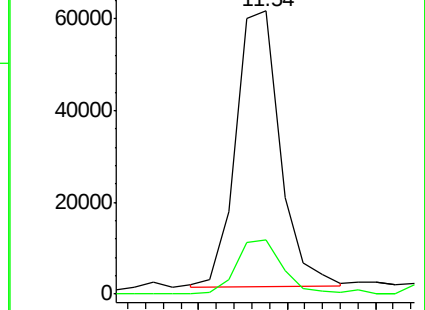
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Abundance Ion 91.00 (90.70 to 91.70): VH057073.D (-1051) (-)

Ion 120.00 (119.70 to 120.70): VH057073.D (-1051) (-)



#80

1,3,5-Trimethylbenzene

Concen: 3.35 ug/l

RT: 11.76 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VH057094.D

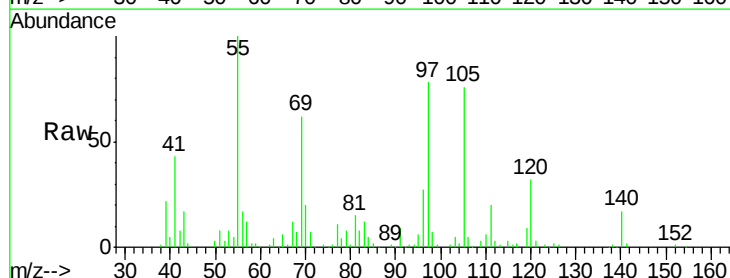
Acq: 21 Sep 2015 16:08

Tgt Ion:105 Resp: 116487

Ion Ratio Lower Upper

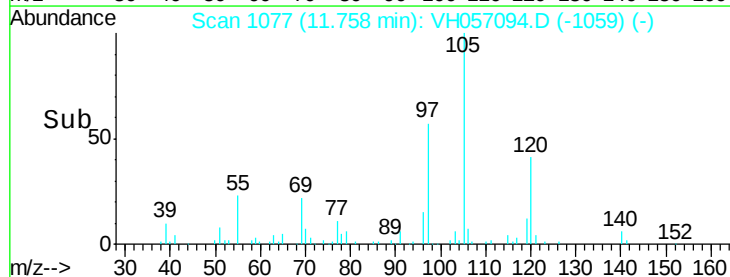
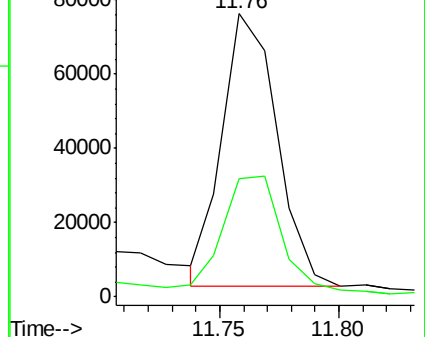
105 100

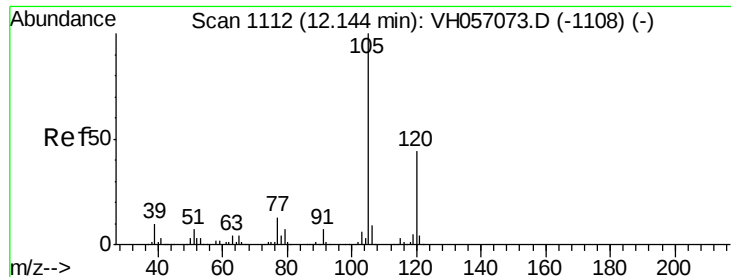
120 41.6 23.6 71.0



Abundance Ion 105.00 (104.70 to 105.70): VH057073.D (-1073) (-)

Ion 120.00 (119.70 to 120.70): VH057073.D (-1073) (-)





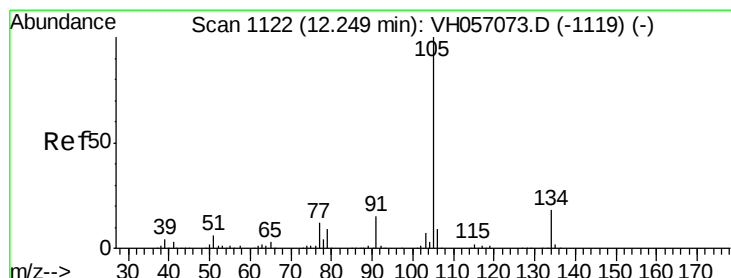
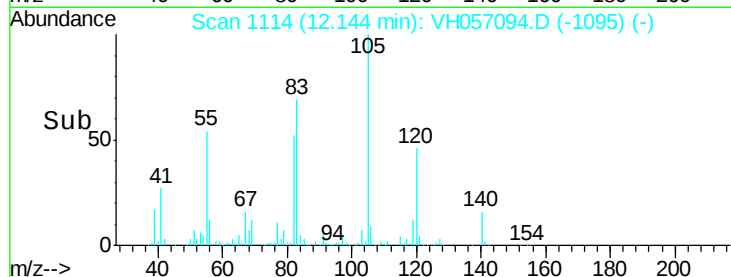
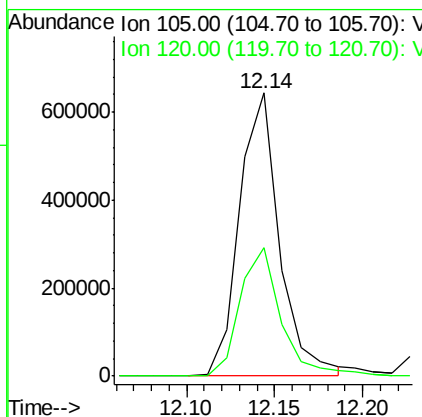
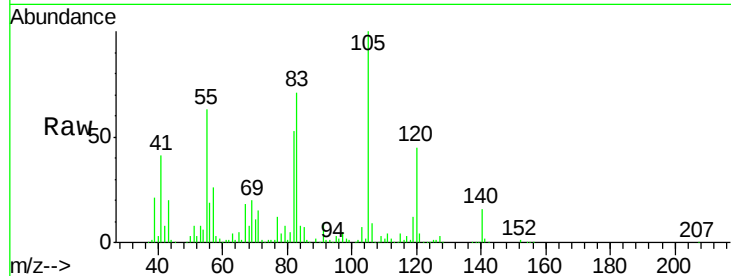
#84
 1,2,4-Trimethylbenzene
 Concen: 28.52 ug/l
 RT: 12.14 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VH057094.D
 Acq: 21 Sep 2015 16:08

Instrument :
 MSVOA_H
 ClientSampled :
 TRENCH-1-2

Tot Ion:105 Resp: 1024233
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.6 67.7

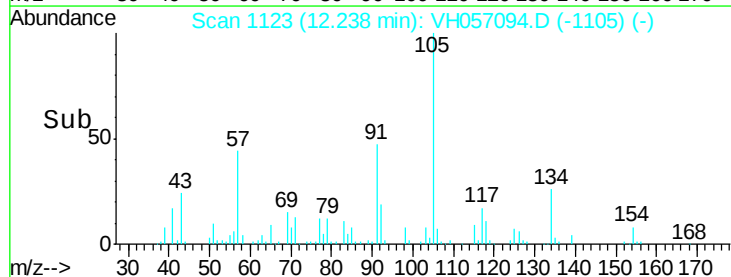
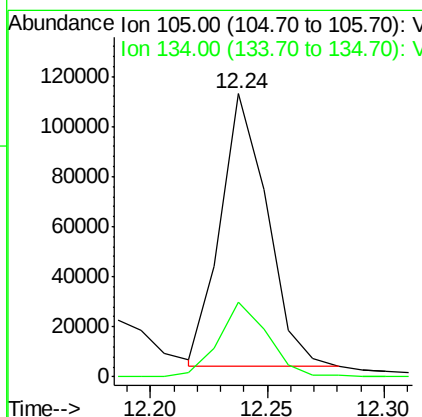
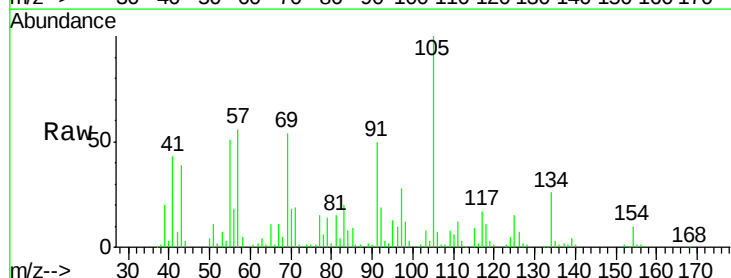
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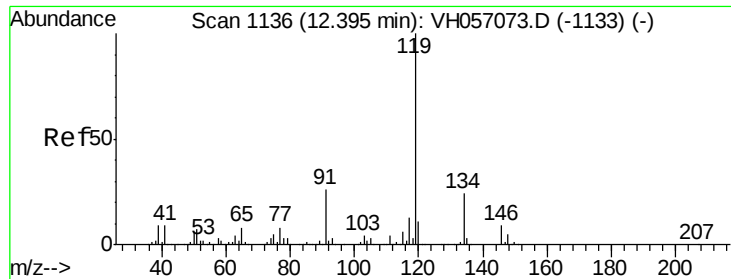
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#85
 sec-Butylbenzene
 Concen: 4.29 ug/l
 RT: 12.24 min Scan# 1123
 Delta R.T. -0.01 min
 Lab File: VH057094.D
 Acq: 21 Sep 2015 16:08

Tgt Ion:105 Resp: 150777
 Ion Ratio Lower Upper
 105 100
 134 26.3 9.1 27.3





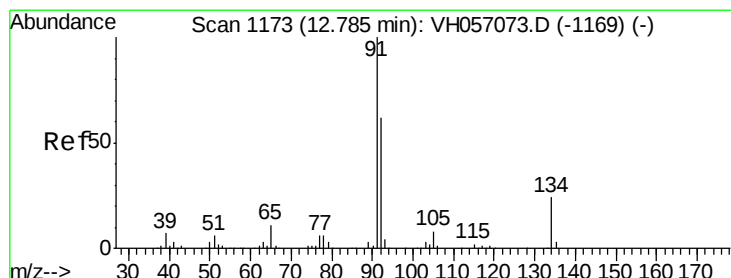
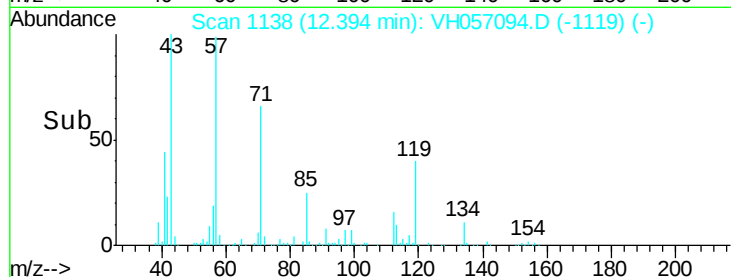
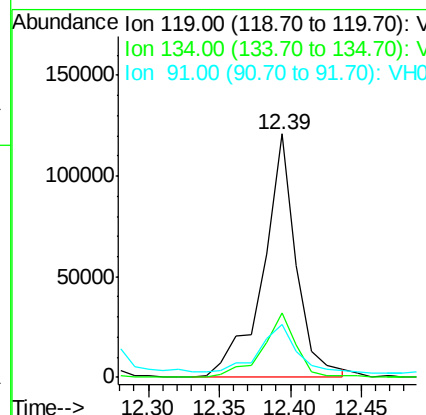
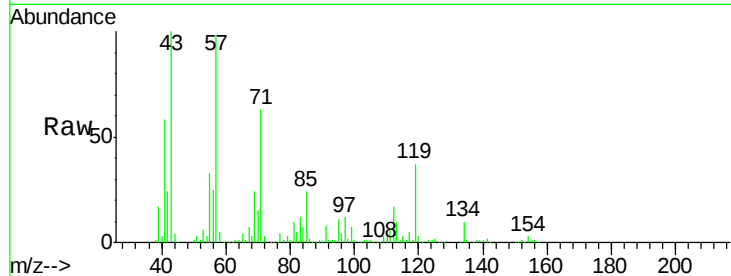
#86
p-Isopropyltoluene
Concen: 7.31 ug/l
RT: 12.39 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VH057094.D
Acq: 21 Sep 2015 16:08

Instrument :
MSVOA_H
ClientSampleId :
TRENCH-1-2

Tot Ion	Ratio	Resp	Lower	Upper
119	100	195028		
134	26.3	13.0	38.9	
91	21.5	12.5	37.5	

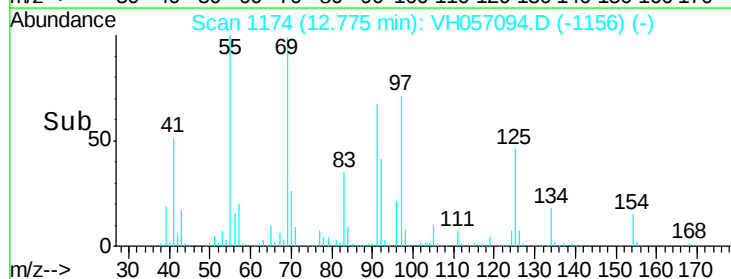
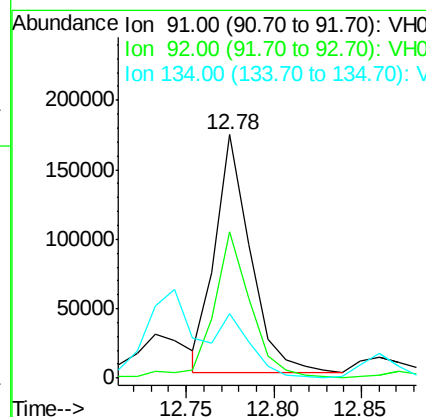
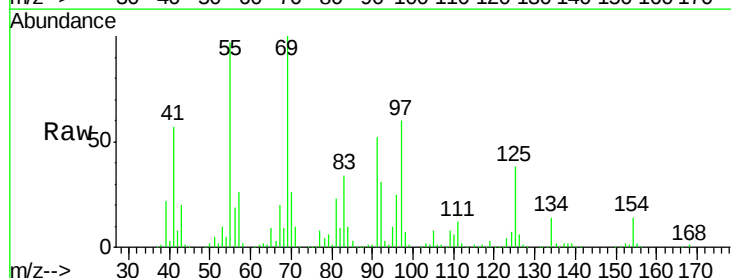
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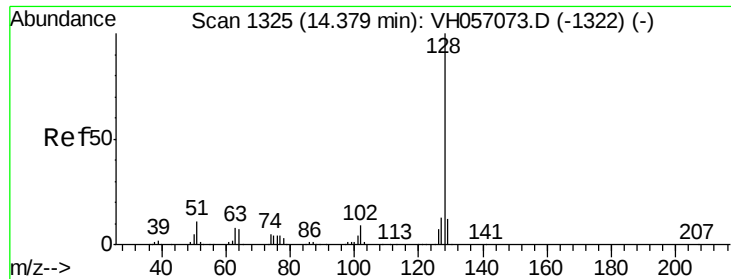
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#89
n-Butylbenzene
Concen: 11.22 ug/l
RT: 12.78 min Scan# 1174
Delta R.T. -0.01 min
Lab File: VH057094.D
Acq: 21 Sep 2015 16:08

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	239264		
92	59.9	31.3	93.9	
134	26.3	10.5	31.6	





#95
Naphthalene
Concen: 510.80 ug/l
RT: 14.38 min Scan# 1326
Delta R.T. -0.00 min
Lab File: VH057094.D
Acq: 21 Sep 2015 16:08

Instrument :
MSVOA_H
ClientSampleId :
TRENCH-1-2

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.2	9.6	14.4#
129	14.7	8.7	13.1#

Manual Integrations
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