

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL060121\
 Data File : VL037075.D
 Acq On : 1 Jun 2021 18:18
 Operator : SY/AP
 Sample : M2559-03DL 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 HSG3DL

Manual Integrations
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 6/7/2021 2:58:36 PM

Quant Time: Jun 04 11:40:09 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1567140	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4707324	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4238794	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	3201249	10.05	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	30915m	0.301	ppbv	
10) Heptane	8.11	43	759802	2.966	ppbv	100
13) Ethanol	3.61	45	73750m	5.377	ppbv	
26) Hexane	5.67	57	176841	0.897	ppbv #	48
30) Cyclohexane	7.11	84	32850m	0.196	ppbv	
36) Benzene	6.88	78	78370	0.193	ppbv	94
53) Toluene	9.79	91	866977	1.797	ppbv	99
58) Ethyl Benzene	12.69	91	94495	0.158	ppbv	97
59) m/p-Xylene	12.95	91	250887m	0.507	ppbv	
60) o-Xylene	13.68	91	57479	0.122	ppbv	99
62) Isopropylbenzene	14.66	105	173112	0.255	ppbv	97

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

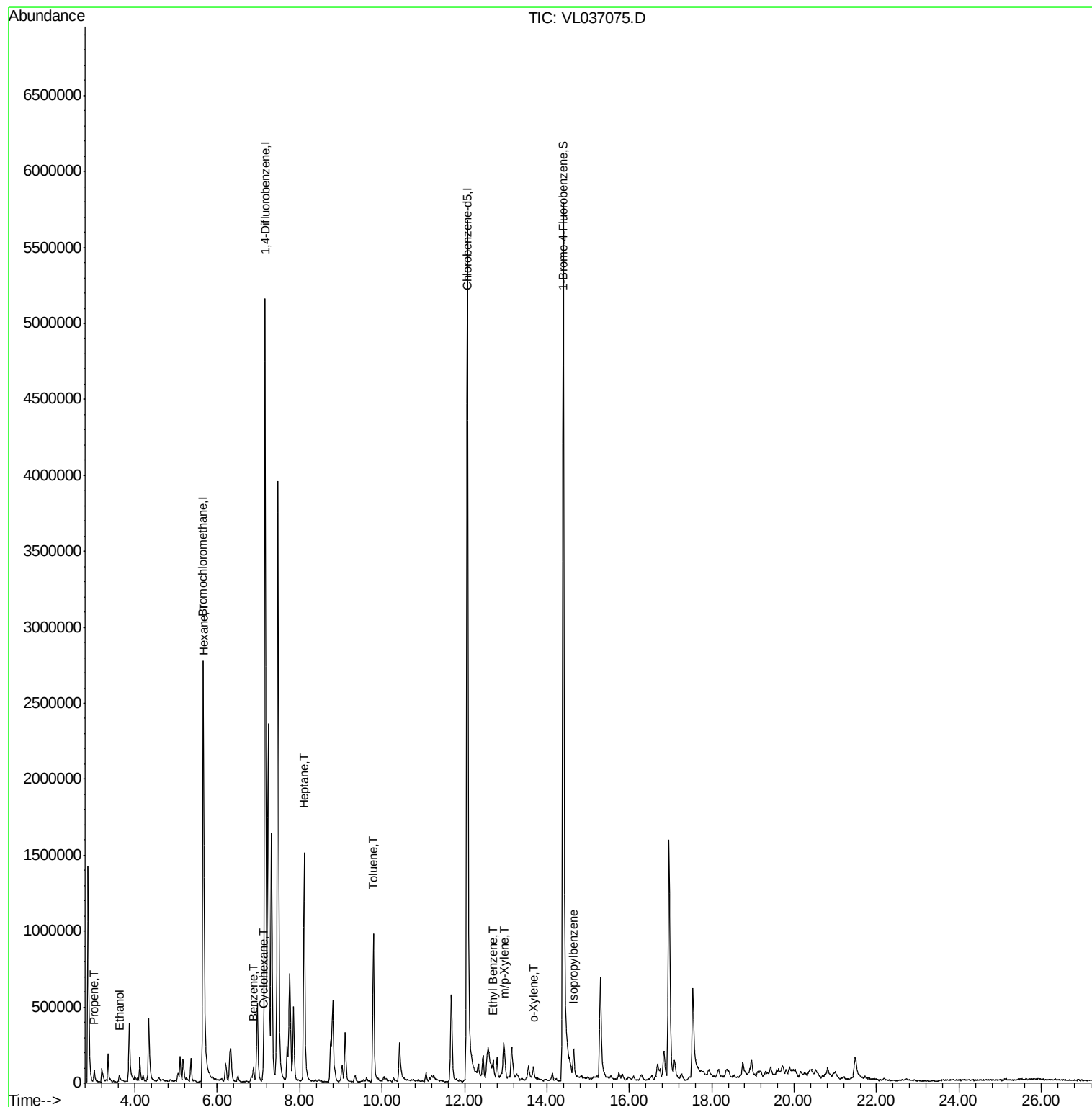
Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL060121\
Data File : VL037075.D
Acq On : 1 Jun 2021 18:18
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Misc : 400mL/MSVOA L
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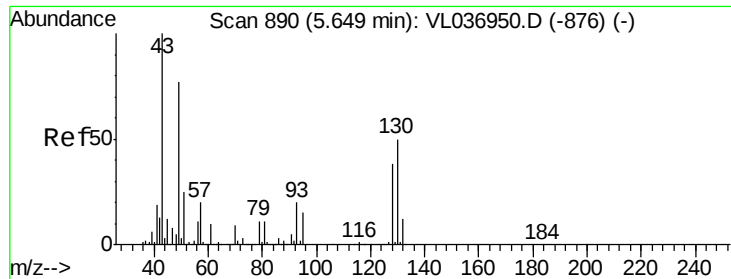
Instrument :
MSVOA_L
ClientSampleId :
HSG3DL

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Quant Time: Jun 04 11:40:09 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May
QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037075.D

Acq: 1 Jun 2021 18:18

Instrument :

MSVOA_L

ClientSampleId :

HSG3DL

Tot Ion: 49 Resp: 1567140

Ion Ratio Lower Upper

49 100

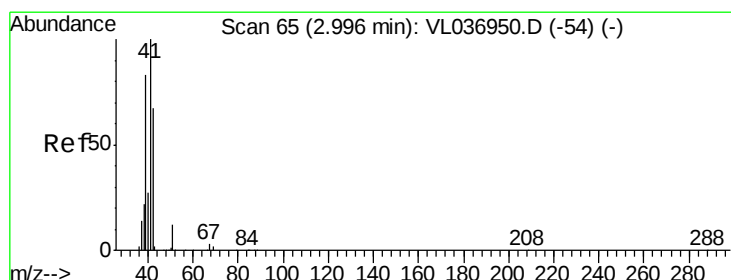
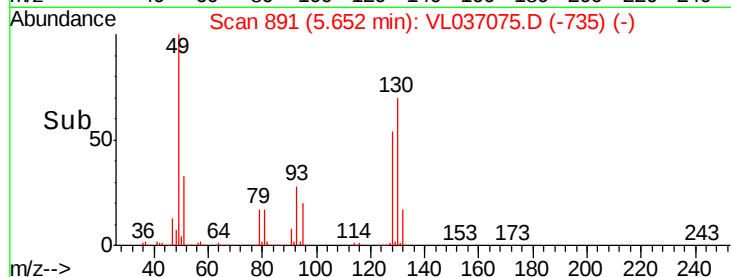
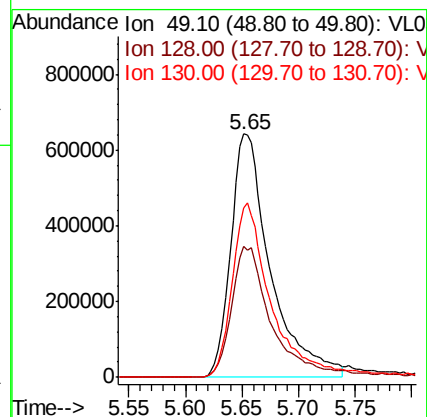
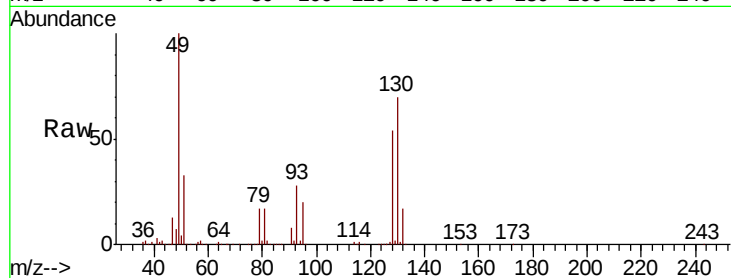
128 56.2 26.9 80.7

130 72.8 33.8 101.4

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#9

Propene

Concen: 0.301 ppbv m

RT: 3.01 min Scan# 71

Delta R.T. 0.02 min

Lab File: VL037075.D

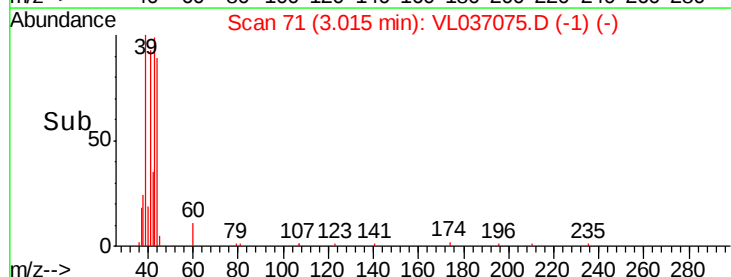
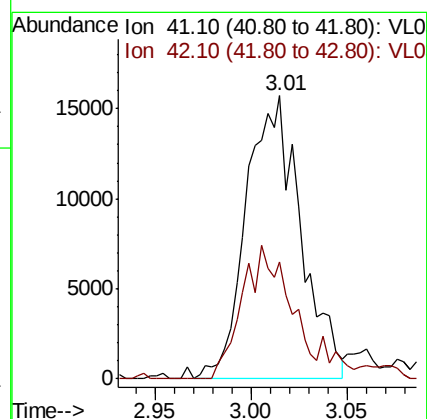
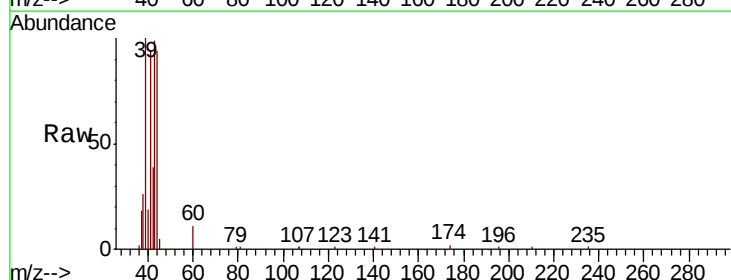
Acq: 1 Jun 2021 18:18

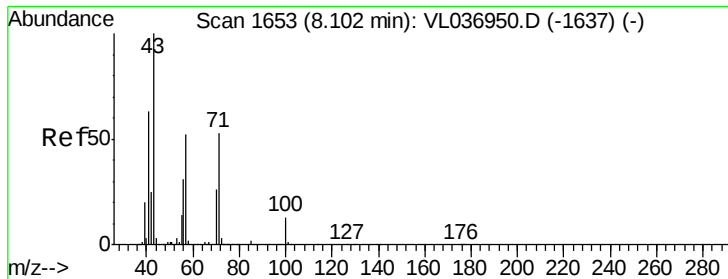
Tgt Ion: 41 Resp: 30915

Ion Ratio Lower Upper

41 100

42 49.7 53.9 80.9#





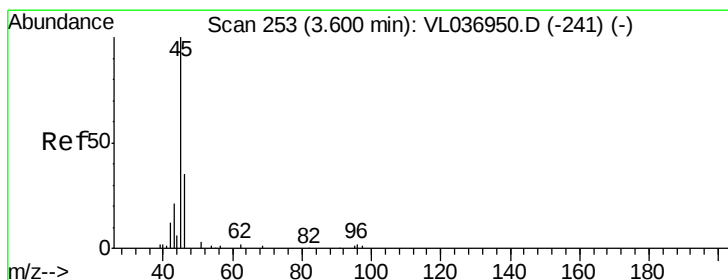
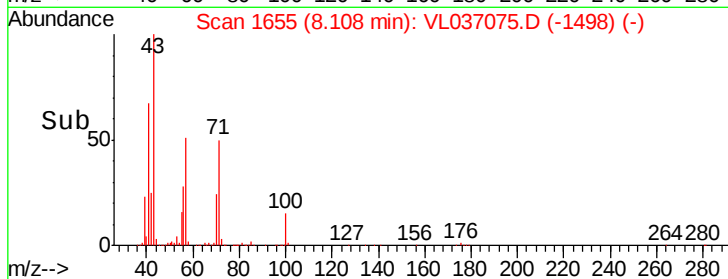
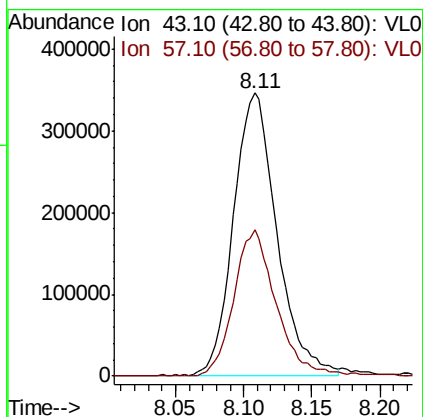
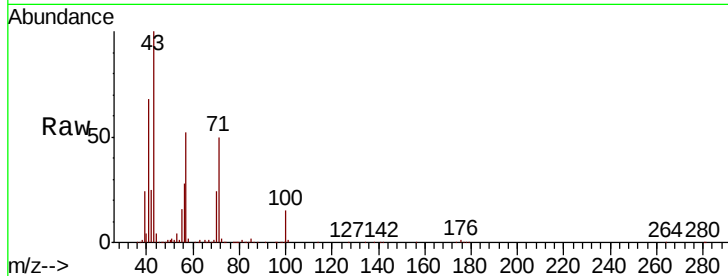
#10
Heptane
Concen: 2.966 ppbv
RT: 8.11 min Scan# 1655
Delta R.T. 0.01 min
Lab File: VL037075.D
Acq: 1 Jun 2021 18:18

Instrument :
MSVOA_L
ClientSampleId :
HSG3DL

Tot Ion: 43 Resp: 759802
Ion Ratio Lower Upper
43 100
57 51.0 41.0 61.6

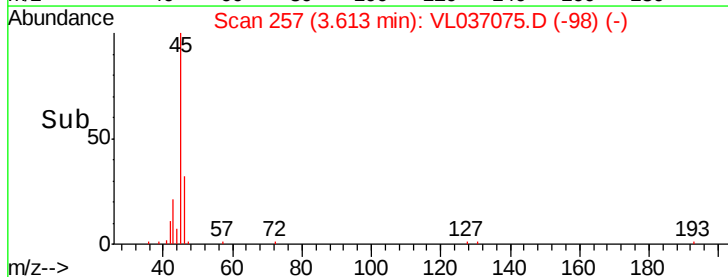
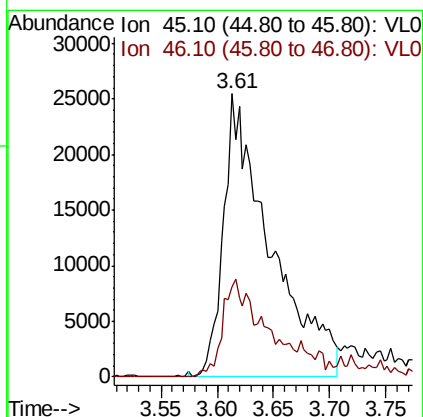
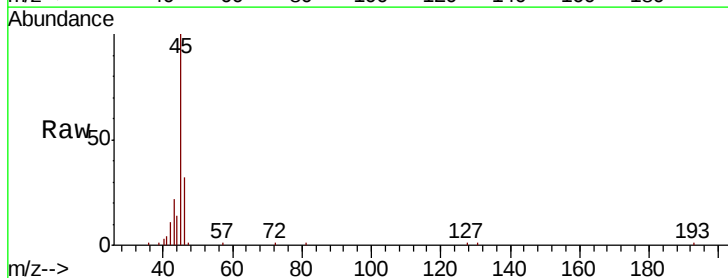
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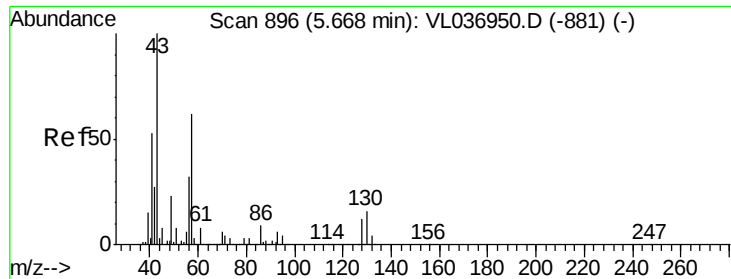
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#13
Ethanol
Concen: 5.377 ppbv m
RT: 3.61 min Scan# 257
Delta R.T. 0.01 min
Lab File: VL037075.D
Acq: 1 Jun 2021 18:18

Tgt Ion: 45 Resp: 73750
Ion Ratio Lower Upper
45 100
46 40.3 16.3 65.3





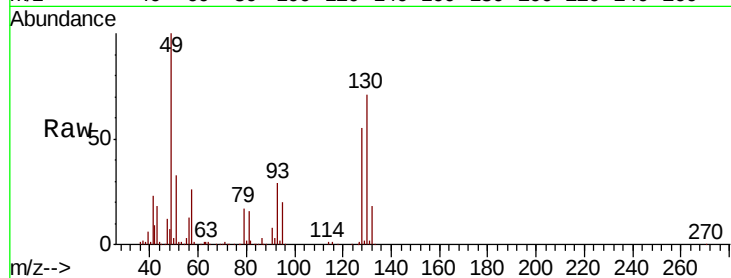
#26
Hexane
Concen: 0.897 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL037075.D
Acq: 1 Jun 2021 18:18

Instrument :
MSVOA_L
ClientSampled :
HSG3DL

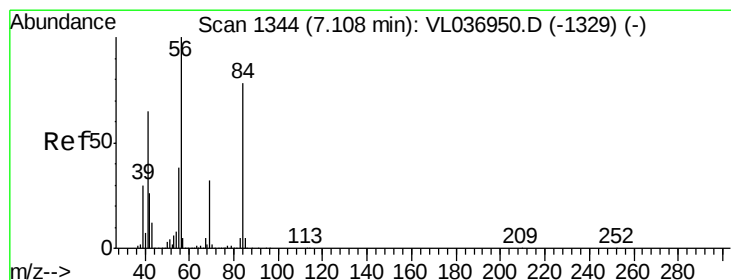
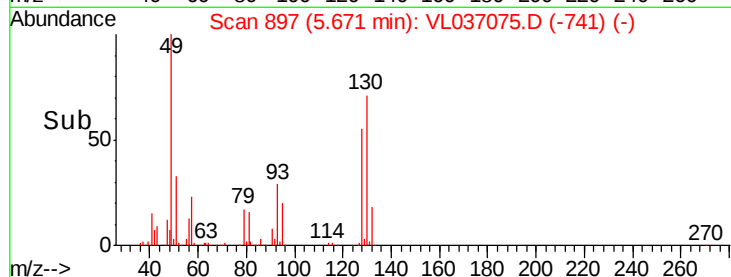
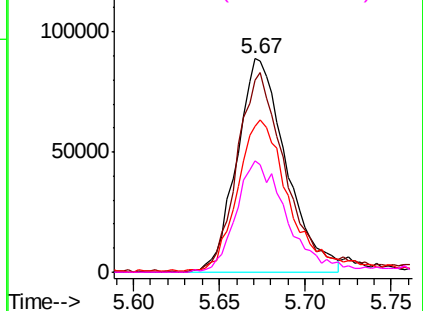
Tot Ion	57	Resp	176841
Ion	Ratio	Lower	Upper
57	100		
41	98.0	70.5	105.7
43	79.9	165.8	248.8#
56	54.6	42.2	63.4

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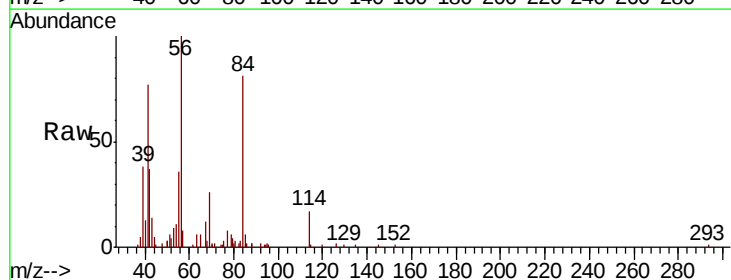


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

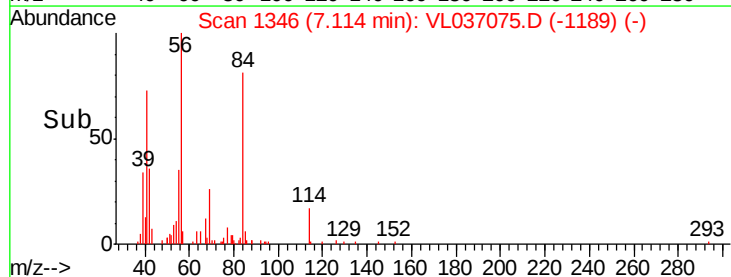
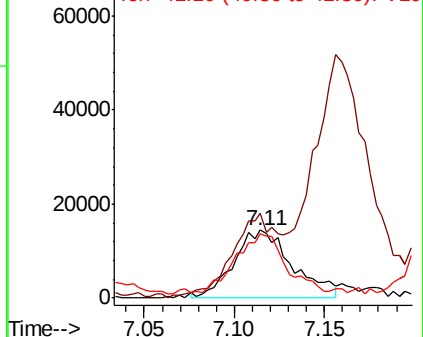


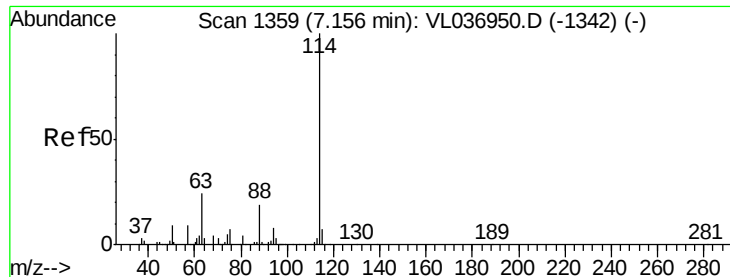
#30
Cyclohexane
Concen: 0.196 ppbv m
RT: 7.11 min Scan# 1346
Delta R.T. 0.01 min
Lab File: VL037075.D
Acq: 1 Jun 2021 18:18

Tgt Ion	84	Resp	32850
Ion	Ratio	Lower	Upper
84	100		
56	0.0	107.9	161.9#
41	80.3	65.5	98.3



Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0





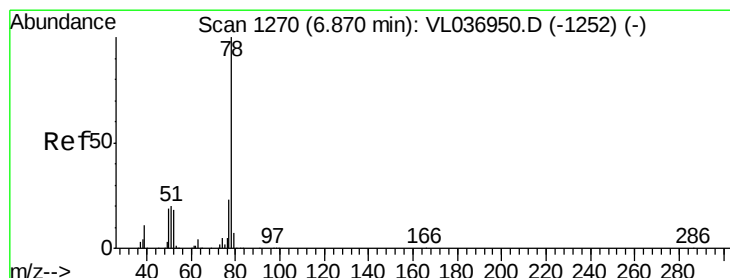
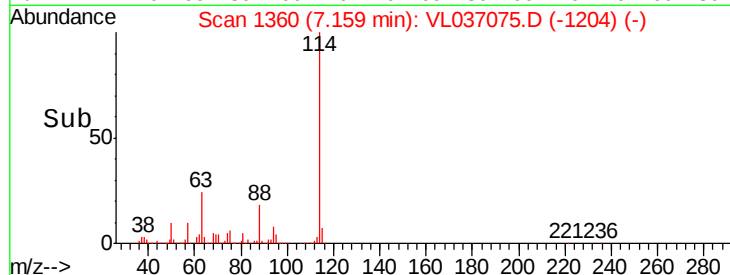
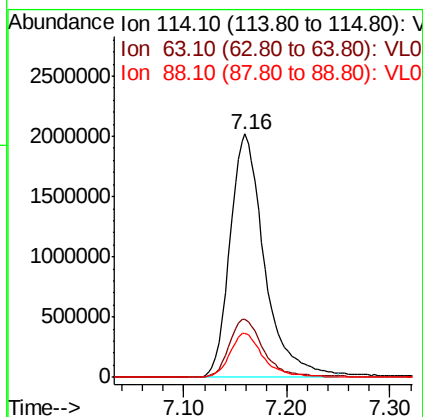
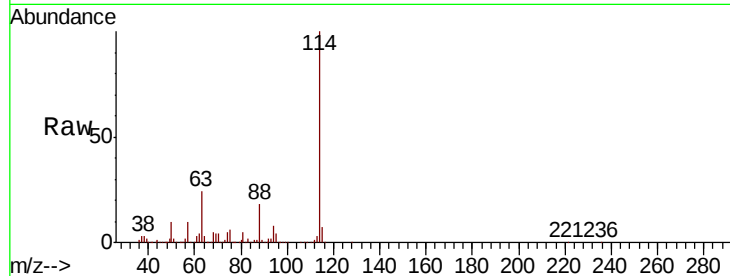
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VL037075.D
 Acq: 1 Jun 2021 18:18

Instrument :
 MSVOA_L
 ClientSampled :
 HSG3DL

Tot Ion:114 Resp: 4707324
 Ion Ratio Lower Upper
 114 100
 63 24.4 19.6 29.4
 88 18.0 14.6 21.8

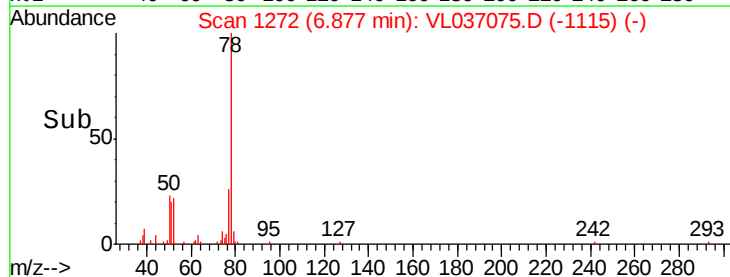
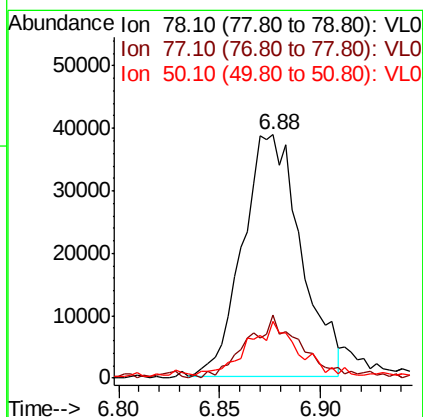
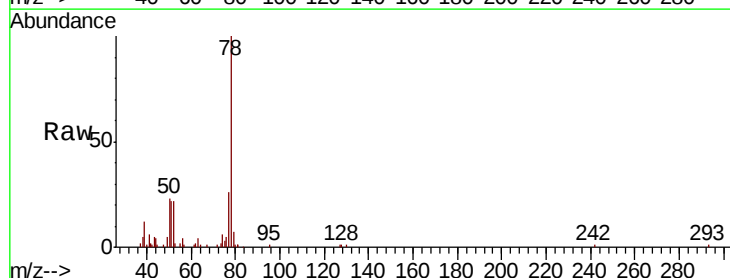
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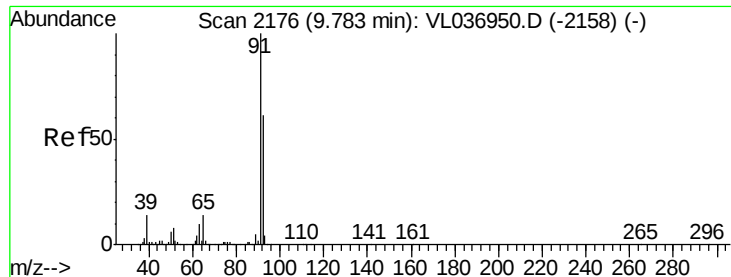
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#36
 Benzene
 Concen: 0.193 ppbv
 RT: 6.88 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VL037075.D
 Acq: 1 Jun 2021 18:18

Tgt Ion: 78 Resp: 78370
 Ion Ratio Lower Upper
 78 100
 77 25.9 18.6 28.0
 50 21.8 15.0 22.4





#53

Toluene

Concen: 1.797 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. 0.01 min

Lab File: VL037075.D

Acq: 1 Jun 2021 18:18

Instrument :

MSVOA_L

ClientSampleId :

HSG3DL

Tot Ion: 91 Resp: 866977

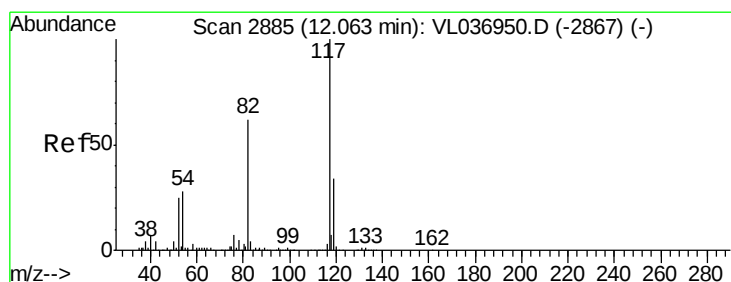
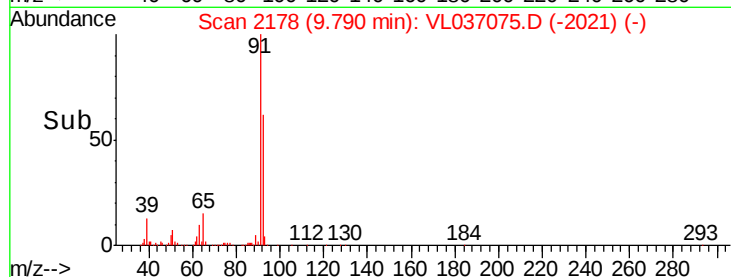
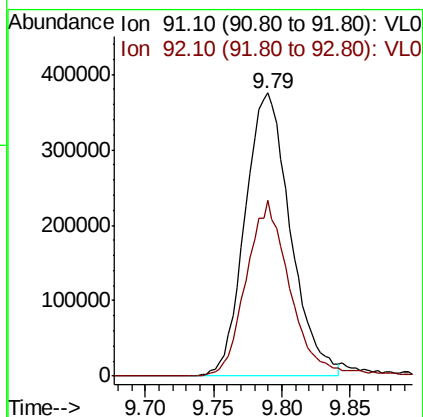
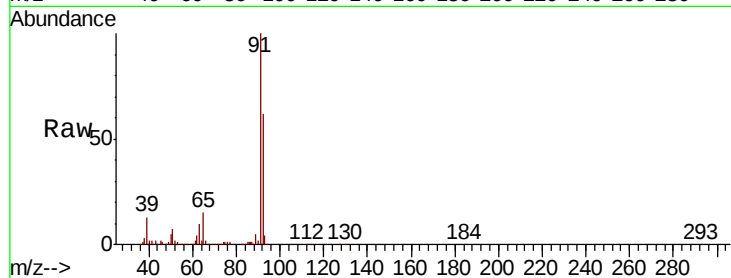
Ion Ratio Lower Upper

91 100

92 61.3 49.5 74.3

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VL037075.D

Acq: 1 Jun 2021 18:18

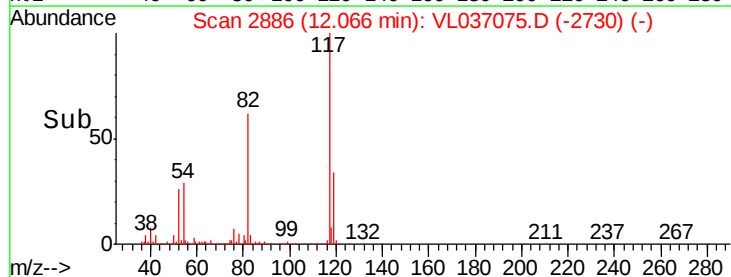
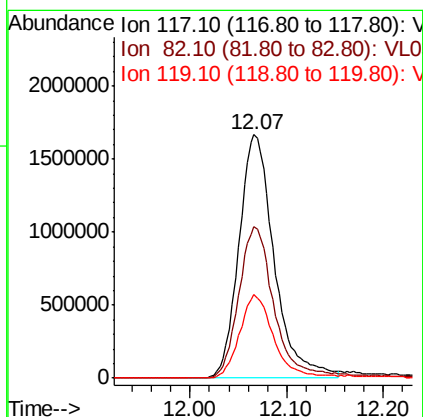
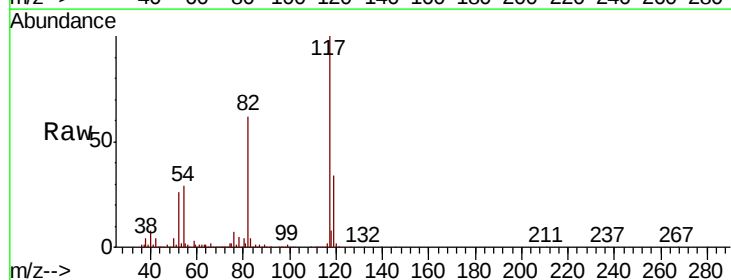
Tgt Ion: 117 Resp: 4238794

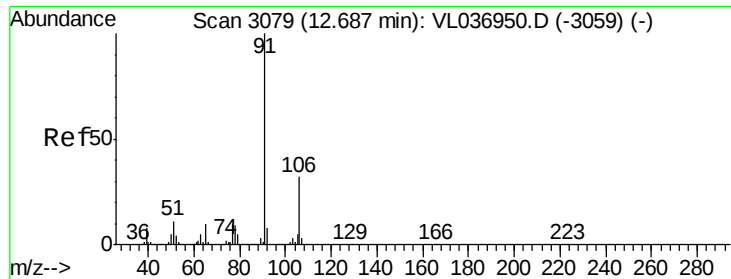
Ion Ratio Lower Upper

117 100

82 64.3 52.6 79.0

119 34.9 46.6 70.0#





#58

Ethyl Benzene

Concen: 0.158 ppbv

RT: 12.69 min Scan# 3080

Delta R.T. 0.00 min

Lab File: VL037075.D

Acq: 1 Jun 2021 18:18

Instrument :

MSVOA_L

ClientSampleId :

HSG3DL

Tot Ion: 91 Resp: 94495

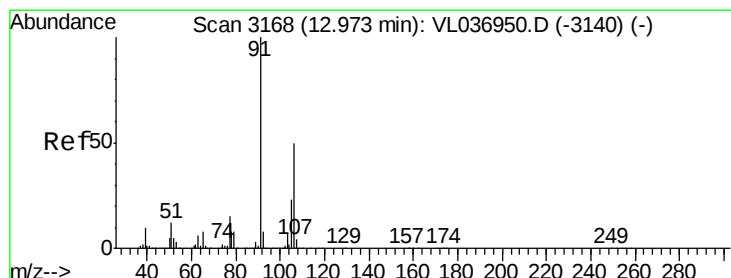
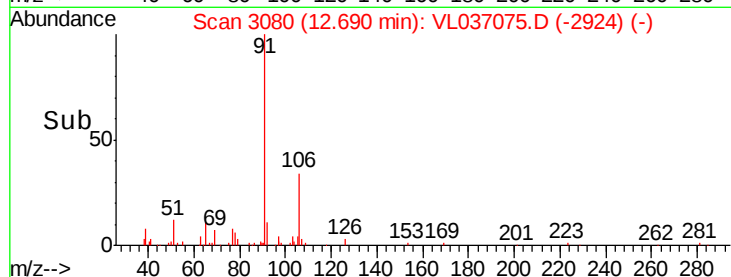
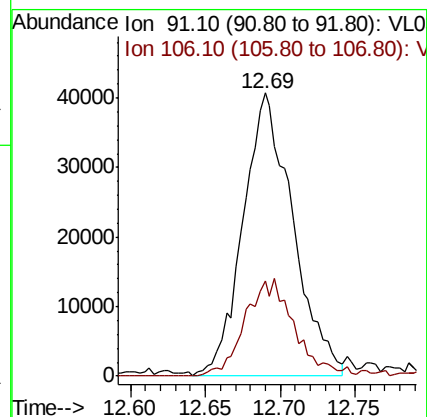
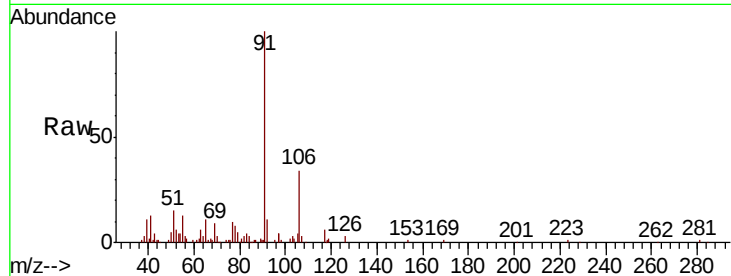
Ion Ratio Lower Upper

91 100

106 33.8 25.6 38.4

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#59

m/p-Xylene

Concen: 0.507 ppbv m

RT: 12.95 min Scan# 3162

Delta R.T. -0.02 min

Lab File: VL037075.D

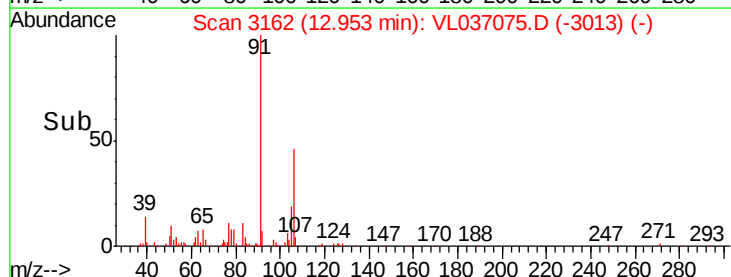
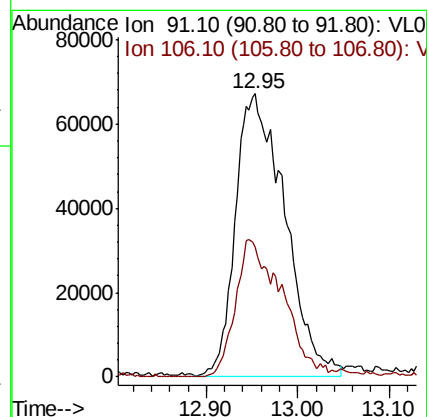
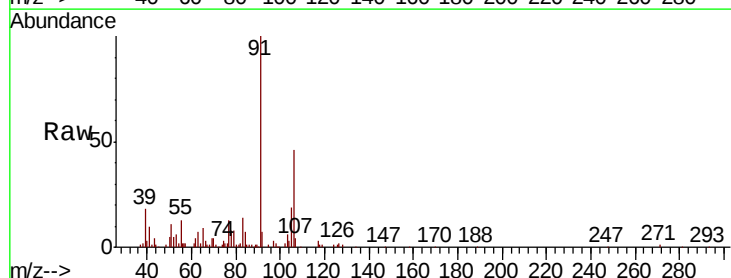
Acq: 1 Jun 2021 18:18

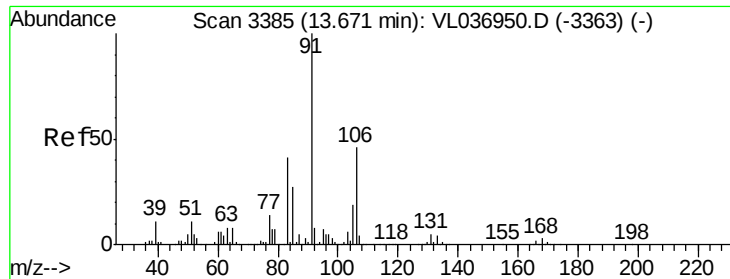
Tgt Ion: 91 Resp: 250887

Ion Ratio Lower Upper

91 100

106 0.0 37.4 56.2#





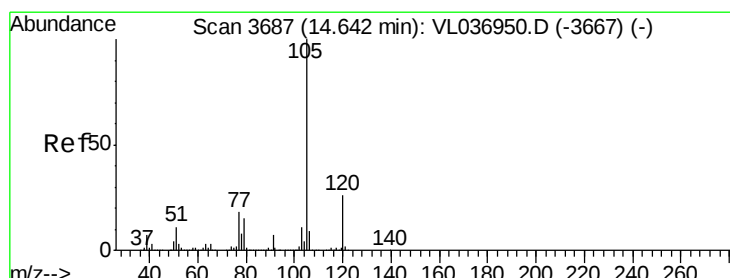
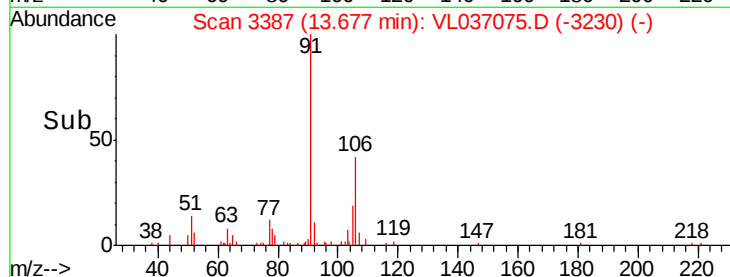
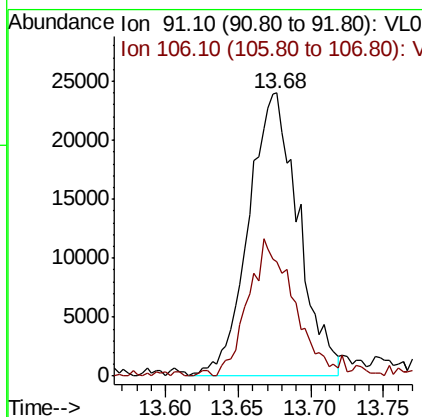
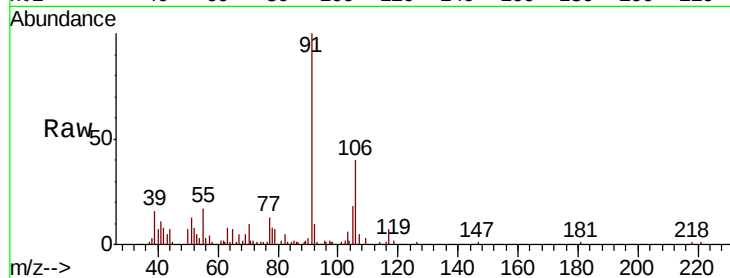
#60
o-Xylene
Concen: 0.122 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. 0.01 min
Lab File: VL037075.D
Acq: 1 Jun 2021 18:18

Instrument :
MSVOA_L
ClientSampled :
HSG3DL

Tot Ion: 91 Resp: 57479
Ion Ratio Lower Upper
91 100
106 47.5 23.4 70.3

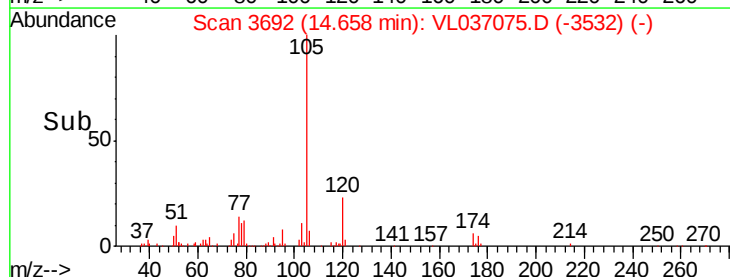
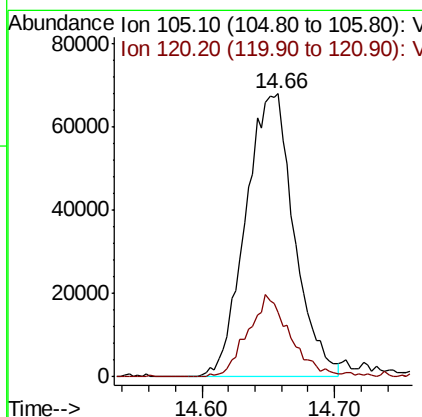
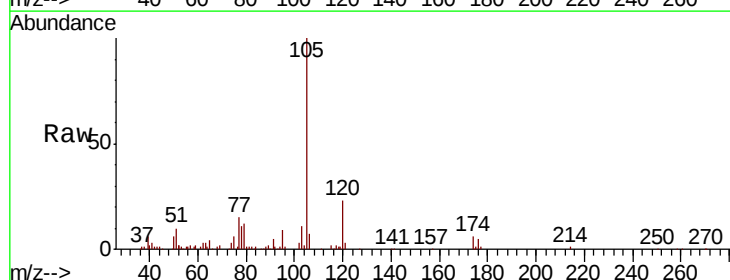
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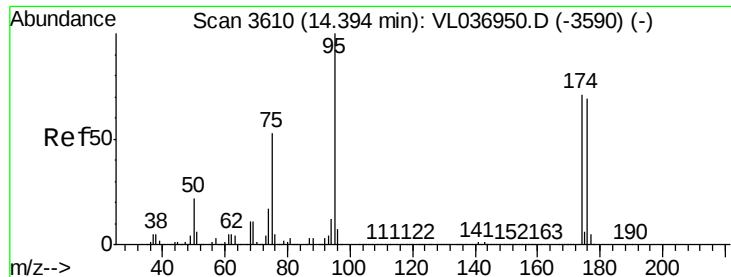
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#62
Isopropylbenzene
Concen: 0.255 ppbv
RT: 14.66 min Scan# 3692
Delta R.T. 0.02 min
Lab File: VL037075.D
Acq: 1 Jun 2021 18:18

Tgt Ion: 105 Resp: 173112
Ion Ratio Lower Upper
105 100
120 25.4 21.7 32.5





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.053 ppbv
 RT: 14.40 min Scan# 3611
 Delta R.T. 0.00 min
 Lab File: VL037075.D
 Acq: 1 Jun 2021 18:18

Instrument :
 MSVOA_L
 ClientSampleId :
 HSG3DL

Tot Ion: 95 Resp: 3201249
 Ion Ratio Lower Upper
 95 100
 174 75.8 58.4 87.6
 175 5.6 4.4 6.6

Manual Integrations
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