

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060121\
 Data File : VL037071.D
 Acq On : 1 Jun 2021 15:45
 Operator : SY/AP
 Sample : M2559-02DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 HSG2DL

Manual Integrations
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 6/7/2021 2:58:29 PM

Quant Time: Jun 04 11:31:14 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	1579492	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4798712	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4314600	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	3256702	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	37180m	0.359	ppbv	
10) Heptane	8.11	43	2151007	8.330	ppbv	99
13) Ethanol	3.60	45	244342	17.674	ppbv	99
15) Acetone	3.83	43	2531073	15.645	ppbv	94
20) Methylene Chloride	4.33	84	1335916	15.405	ppbv	98
26) Hexane	5.67	57	1313516	6.614	ppbv #	47
30) Cyclohexane	7.11	84	80744m	0.478	ppbv	
36) Benzene	6.87	78	79339m	0.192	ppbv	
53) Toluene	9.79	91	4117042	8.371	ppbv	99
58) Ethyl Benzene	12.69	91	204571	0.336	ppbv	97
59) m/p-Xylene	12.95	91	596030	1.184	ppbv	98
60) o-Xylene	13.67	91	202140m	0.421	ppbv	
62) Isopropylbenzene	14.64	105	150773m	0.219	ppbv	
69) p-Isopropyltoluene	17.63	119	137104	0.188	ppbv #	92
72) 4-Ethyltoluene	15.82	105	64837	0.114	ppbv #	95
74) 1,2,4-Trimethylbenzene	16.74	105	155585	0.281	ppbv #	67

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

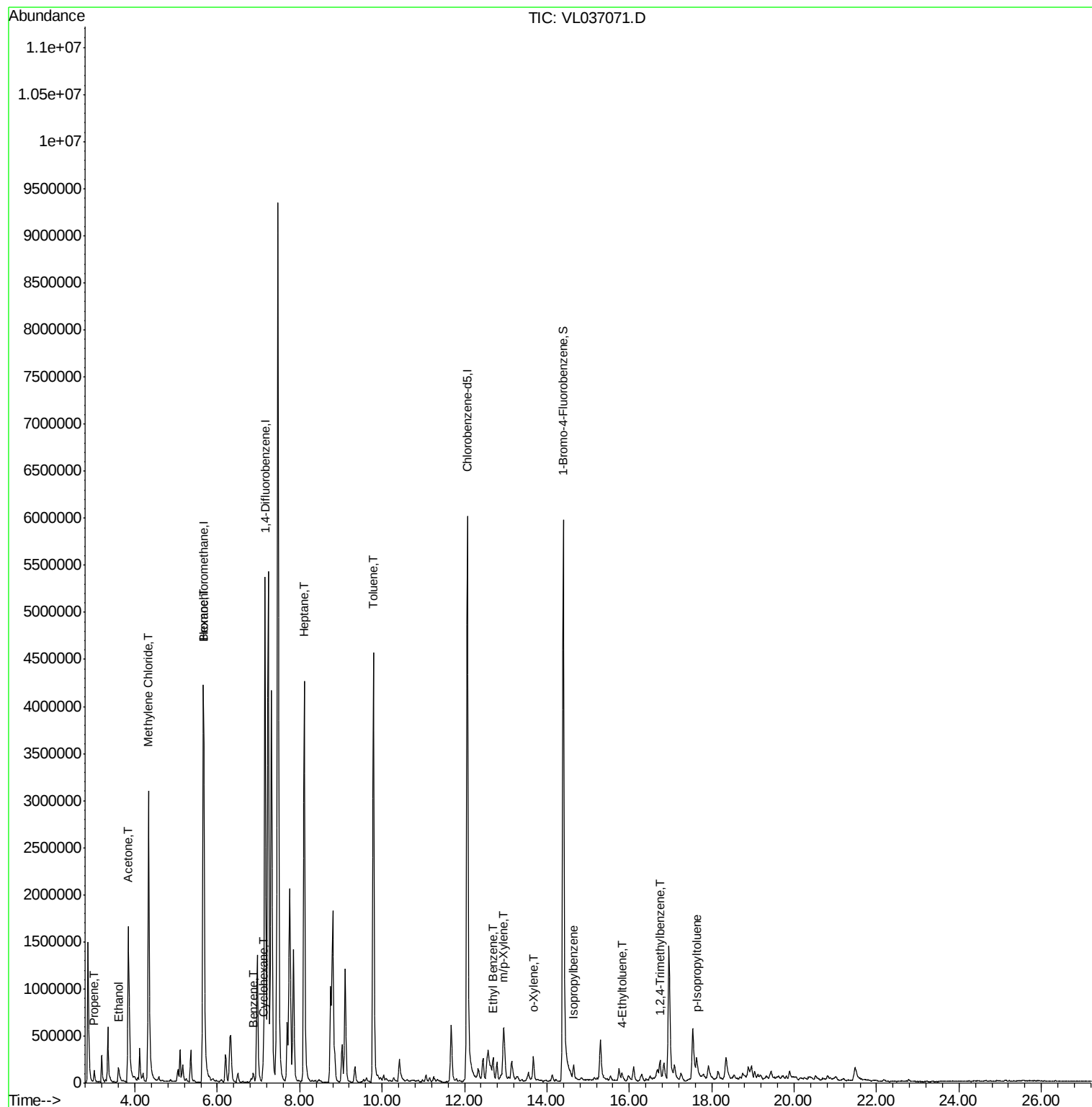
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL060121\
Data File : VL037071.D
Acq On : 1 Jun 2021 15:45
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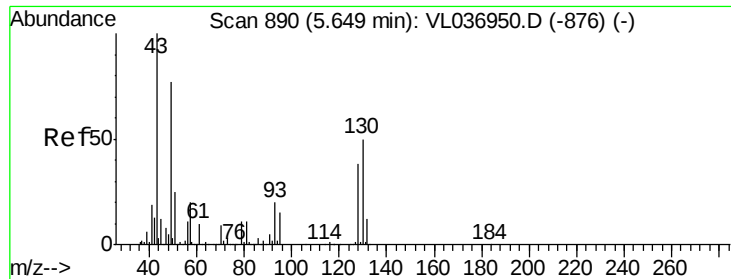
Instrument :
MSVOA_L
ClientSampleId :
HSG2DL

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Quant Time: Jun 04 11:31:14 2021
Quant Method : Z:\V0ASRV\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





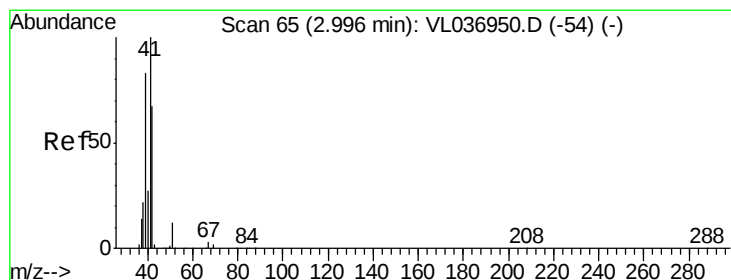
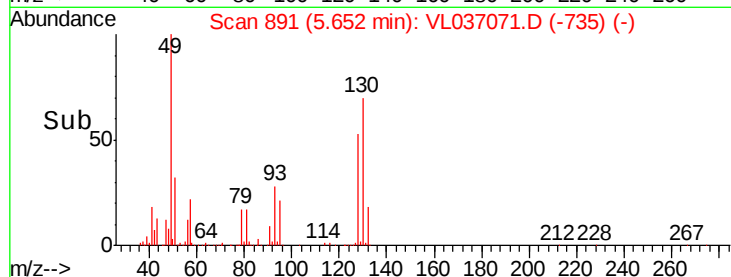
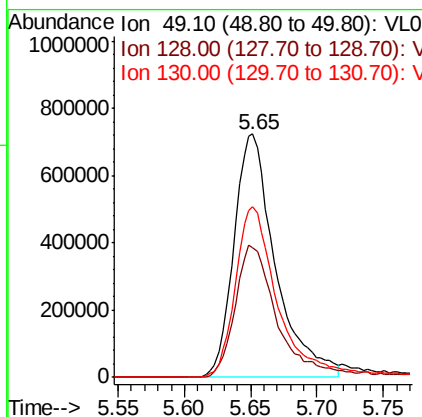
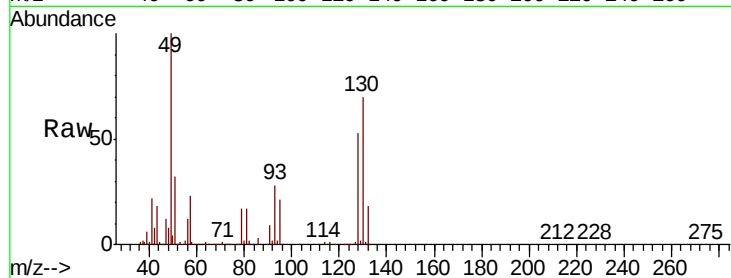
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 891
Delta R.T. 0.00 min
Lab File: VL037071.D
Acq: 1 Jun 2021 15:45

Instrument :
MSVOA_L
ClientSampleId :
HSG2DL

Tot Ion: 49 Resp: 1579492
Ion Ratio Lower Upper
49 100
128 57.8 26.9 80.7
130 74.4 33.8 101.4

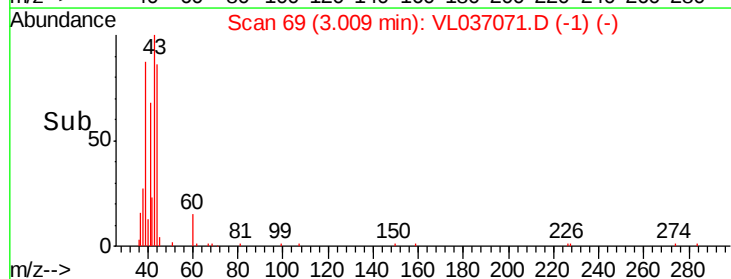
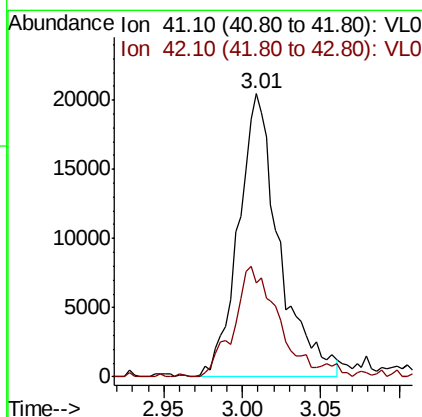
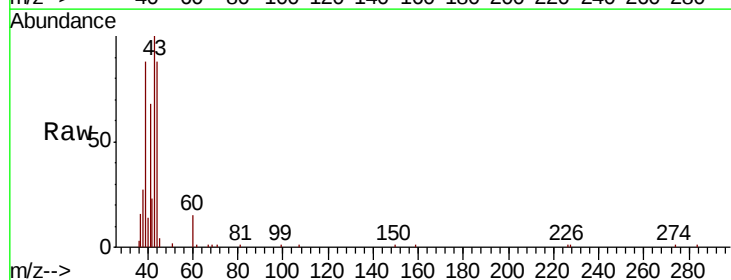
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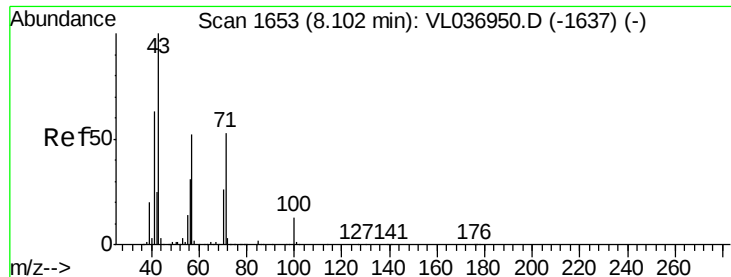
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#9
Propene
Concen: 0.359 ppbv m
RT: 3.01 min Scan# 69
Delta R.T. 0.01 min
Lab File: VL037071.D
Acq: 1 Jun 2021 15:45

Tgt Ion: 41 Resp: 37180
Ion Ratio Lower Upper
41 100
42 187.7 53.9 80.9#





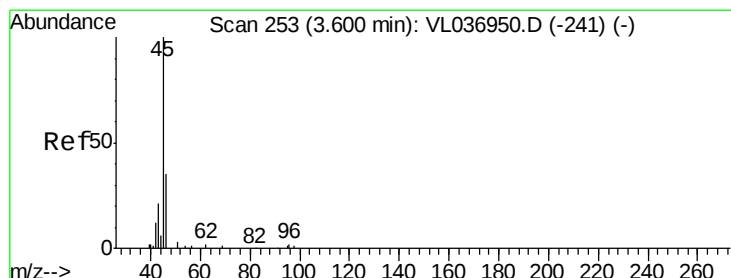
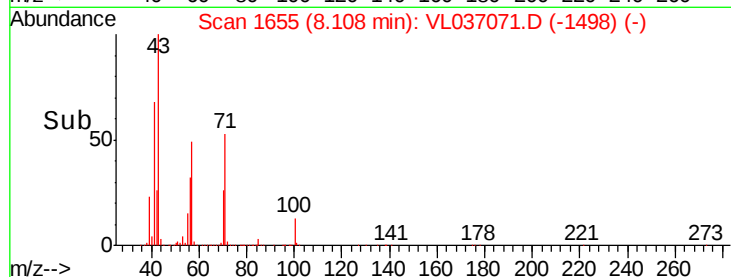
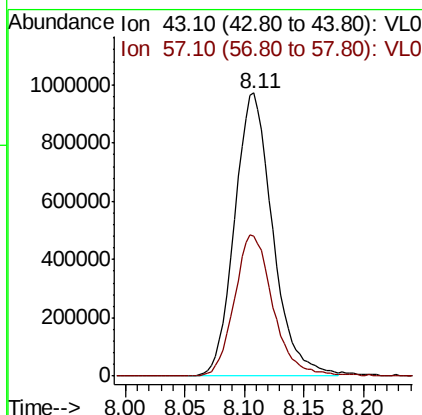
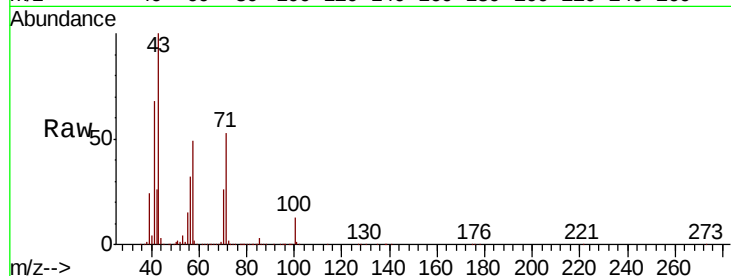
#10
Heptane
Concen: 8.330 ppbv
RT: 8.11 min Scan# 1655
Delta R.T. 0.01 min
Lab File: VL037071.D
Acq: 1 Jun 2021 15:45

Instrument :
MSVOA_L
ClientSampled :
HSG2DL

Tot Ion: 43 Resp: 2151007
Ion Ratio Lower Upper
43 100
57 50.8 41.0 61.6

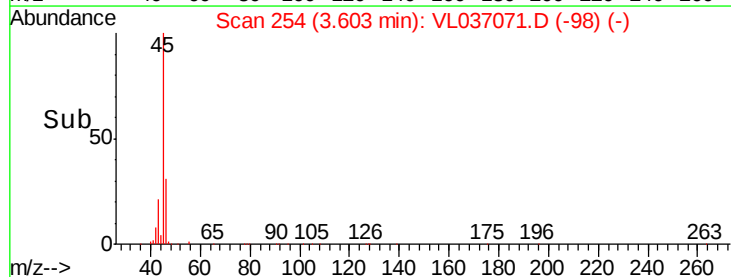
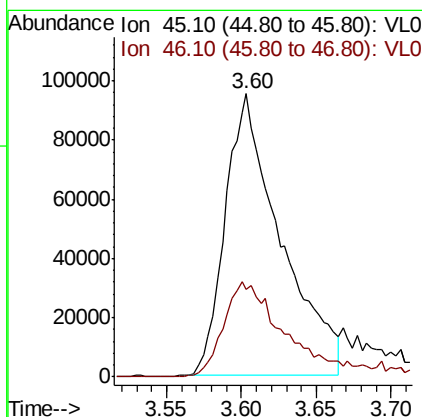
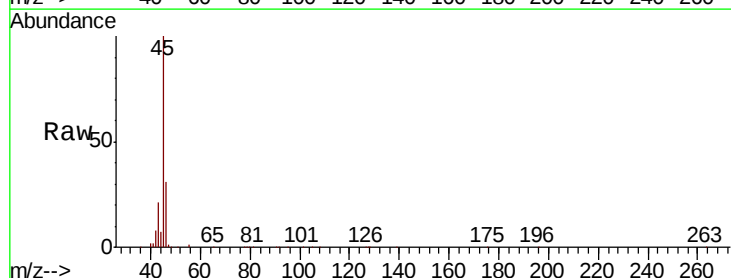
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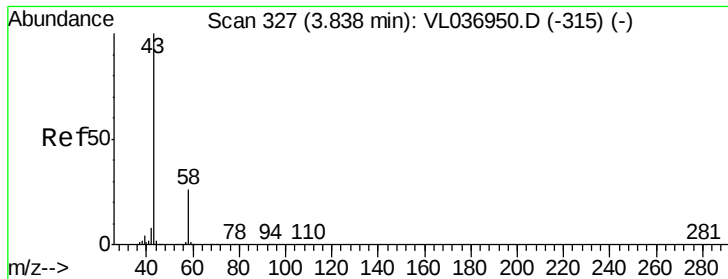
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#13
Ethanol
Concen: 17.674 ppbv
RT: 3.60 min Scan# 254
Delta R.T. 0.00 min
Lab File: VL037071.D
Acq: 1 Jun 2021 15:45

Tgt Ion: 45 Resp: 244342
Ion Ratio Lower Upper
45 100
46 41.2 16.3 65.3





#15

Acetone

Concen: 15.645 ppbv

RT: 3.83 min Scan# 326

Delta R.T. -0.00 min

Lab File: VL037071.D

Acq: 1 Jun 2021 15:45

Instrument :

MSVOA_L

ClientSampleId :

HSG2DL

Tot Ion: 43 Resp: 2531073

Ion Ratio Lower Upper

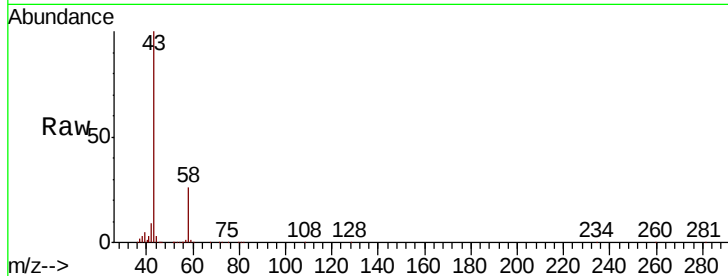
43 100

58 27.0 24.0 36.0

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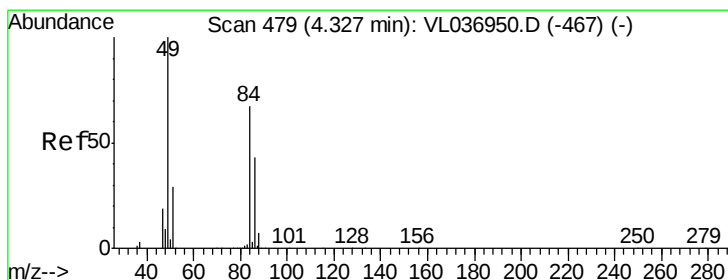
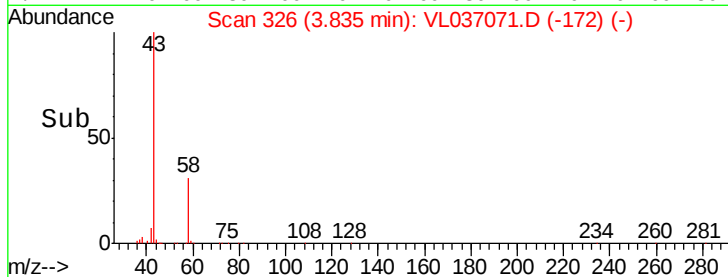
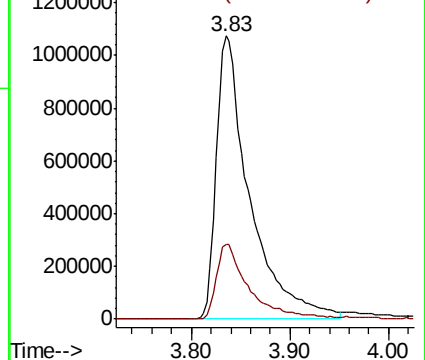
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 15.405 ppbv

RT: 4.33 min Scan# 479

Delta R.T. -0.00 min

Lab File: VL037071.D

Acq: 1 Jun 2021 15:45

Tgt Ion: 84 Resp: 1335916

Ion Ratio Lower Upper

84 100

49 147.2 119.8 179.6

51 45.9 35.1 52.7

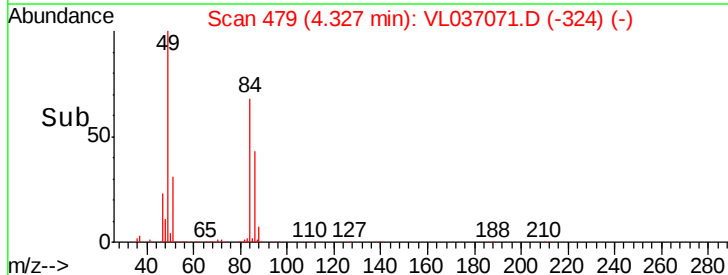
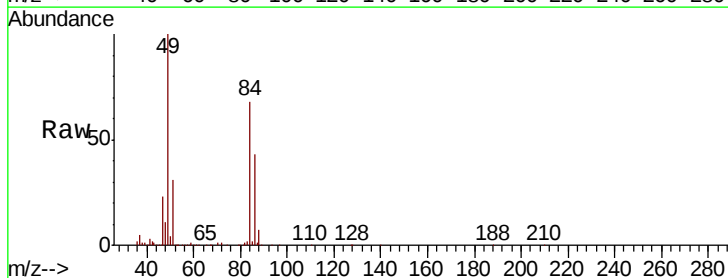
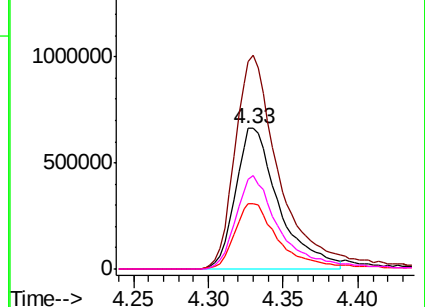
86 64.0 50.9 76.3

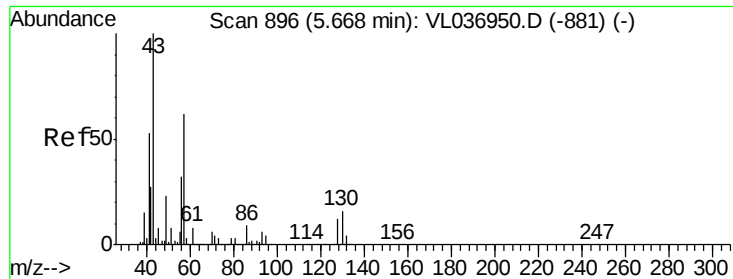
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





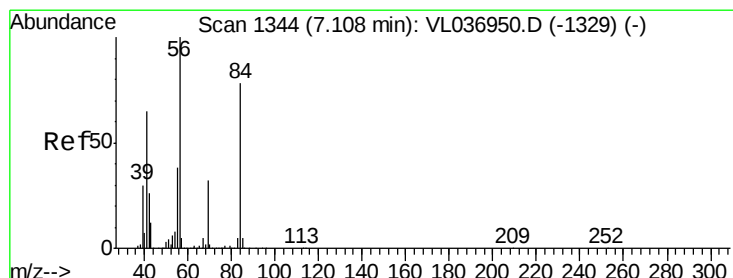
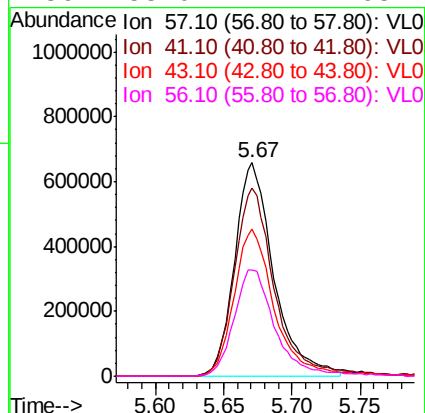
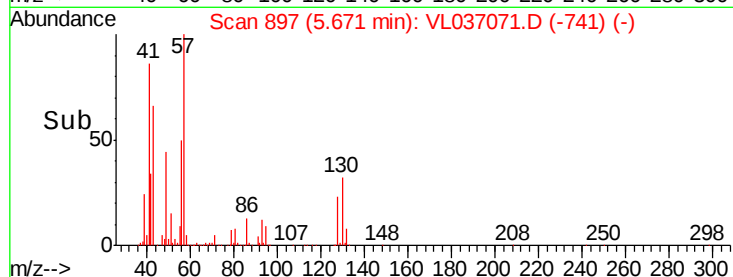
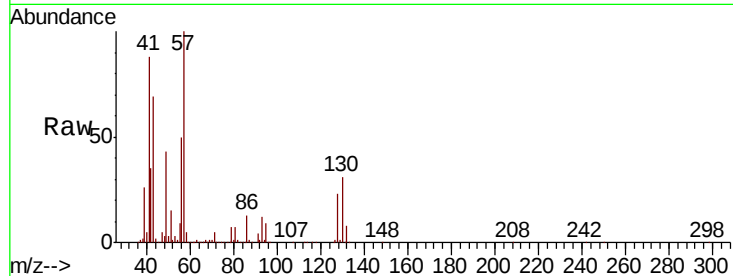
#26
Hexane
Concen: 6.614 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL037071.D
Acq: 1 Jun 2021 15:45

Instrument :
MSVOA_L
ClientSampleId :
HSG2DL

Tot Ion	57	Resp	1313516
Ion	Ratio	Lower	Upper
57	100		
41	91.4	70.5	105.7
43	71.5	165.8	248.8#
56	53.0	42.2	63.4

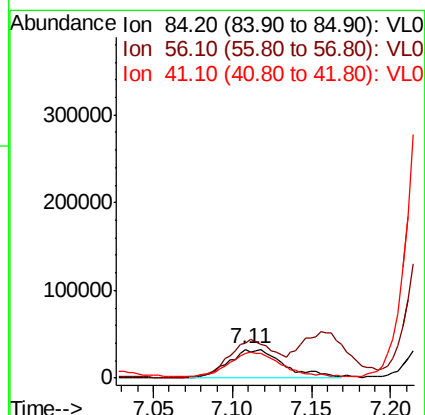
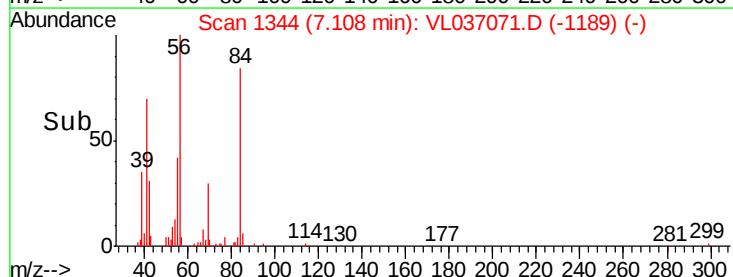
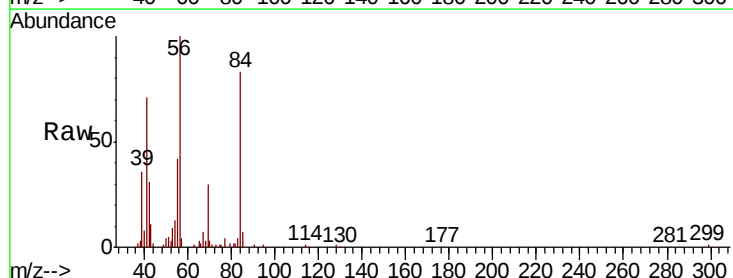
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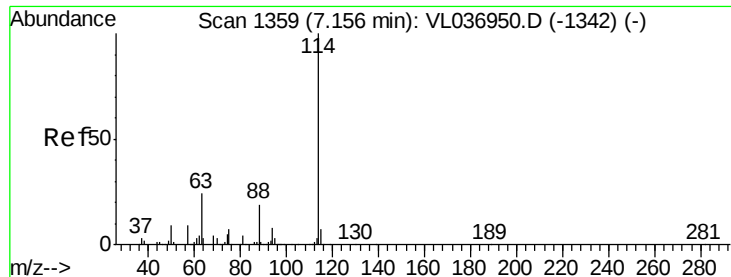
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#30
Cyclohexane
Concen: 0.478 ppbv m
RT: 7.11 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VL037071.D
Acq: 1 Jun 2021 15:45

Tgt Ion	84	Resp	80744
Ion	Ratio	Lower	Upper
84	100		
56	109.8	107.9	161.9
41	74.0	65.5	98.3





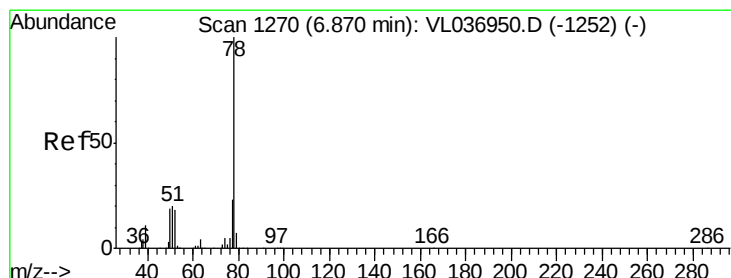
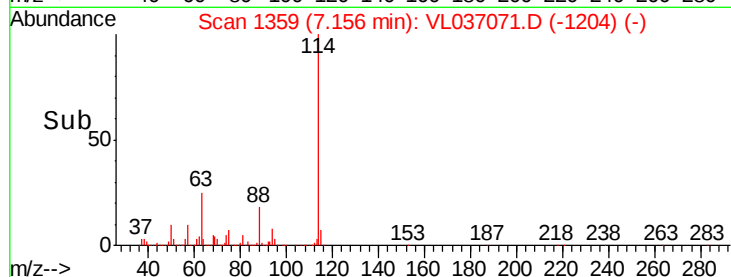
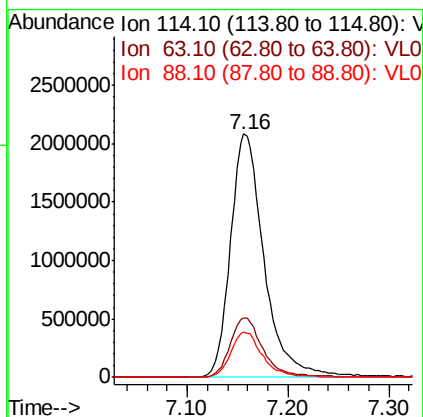
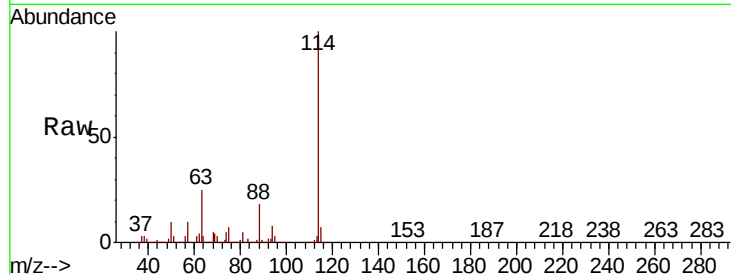
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VL037071.D
 Acq: 1 Jun 2021 15:45

Instrument :
 MSVOA_L
 ClientSampleId :
 HSG2DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.4	19.6	29.4
88	17.9	14.6	21.8

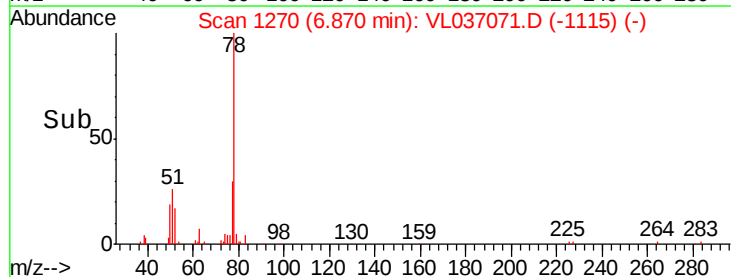
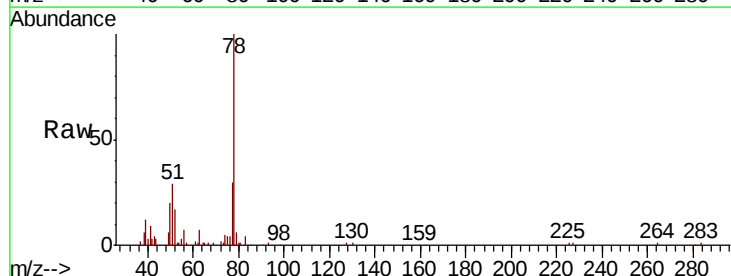
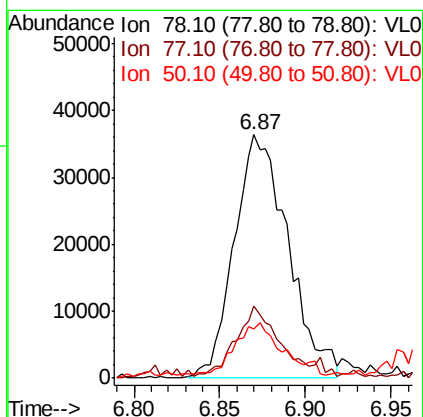
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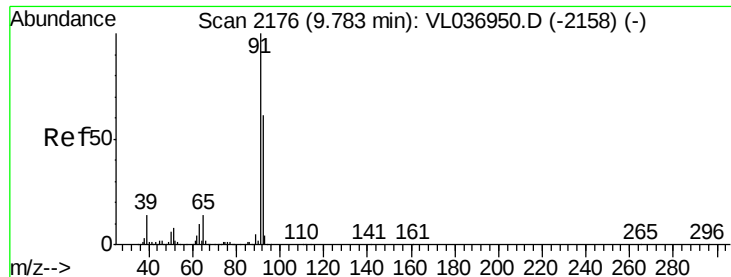
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#36
 Benzene
 Concen: 0.192 ppbv m
 RT: 6.87 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VL037071.D
 Acq: 1 Jun 2021 15:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	29.6	18.6	28.0#
50	20.3	15.0	22.4





#53

Toluene

Concen: 8.371 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VL037071.D

Acq: 1 Jun 2021 15:45

Instrument :

MSVOA_L

ClientSampleId :

HSG2DL

Tot Ion: 91 Resp: 4117042

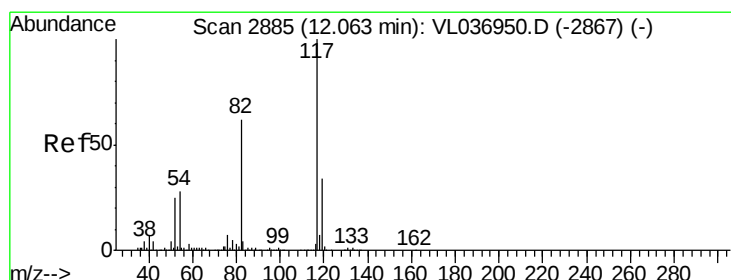
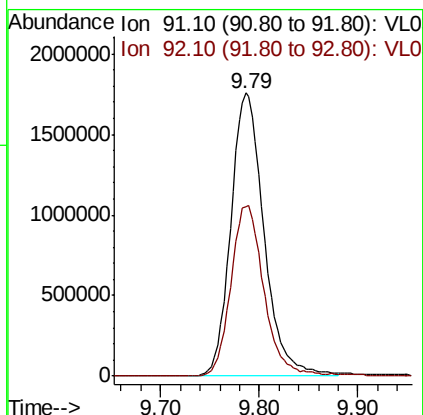
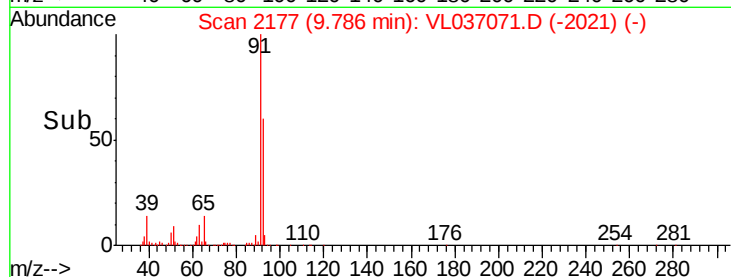
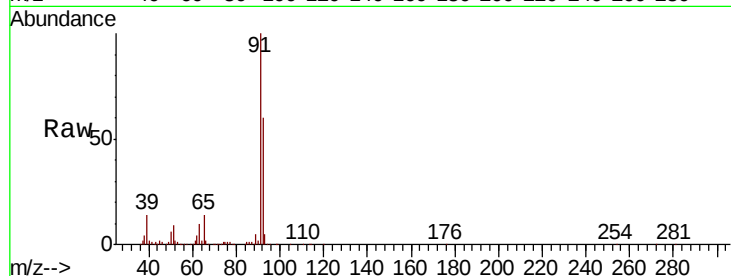
Ion Ratio Lower Upper

91 100

92 60.8 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: VL037071.D

Acq: 1 Jun 2021 15:45

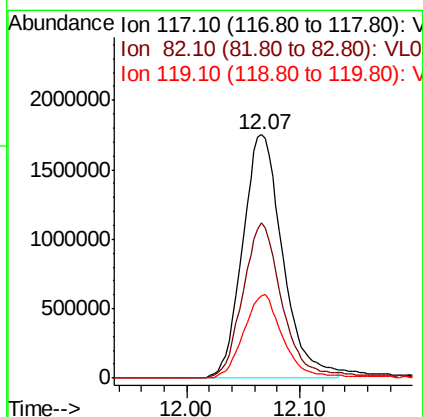
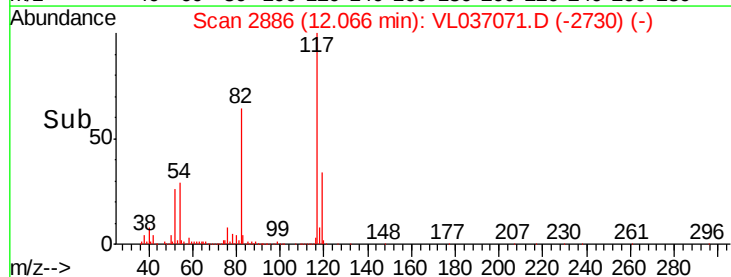
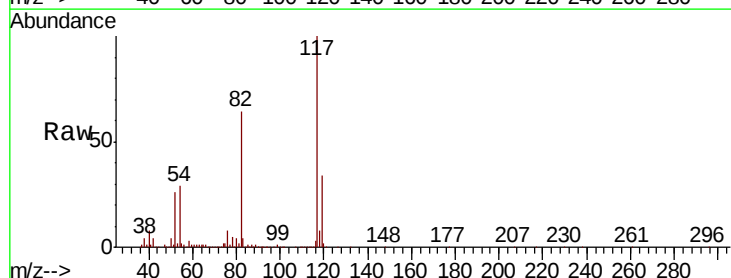
Tgt Ion: 117 Resp: 4314600

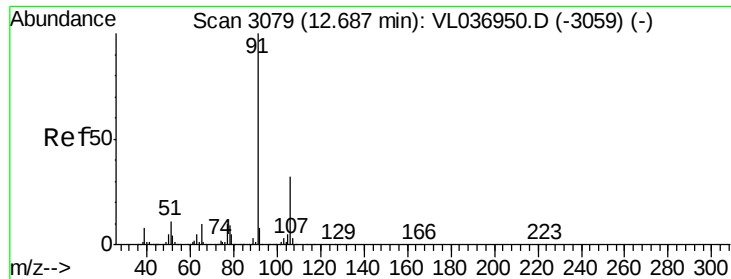
Ion Ratio Lower Upper

117 100

82 64.1 52.6 79.0

119 34.6 46.6 70.0#





#58

Ethyl Benzene

Concen: 0.336 ppbv

RT: 12.69 min Scan# 3081

Delta R.T. 0.01 min

Lab File: VL037071.D

Acq: 1 Jun 2021 15:45

Instrument :

MSVOA_L

ClientSampled :

HSG2DL

Tot Ion: 91 Resp: 204571

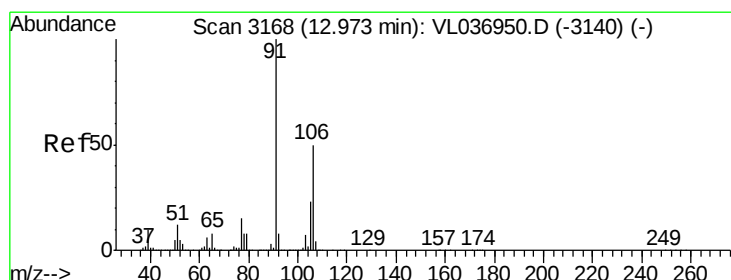
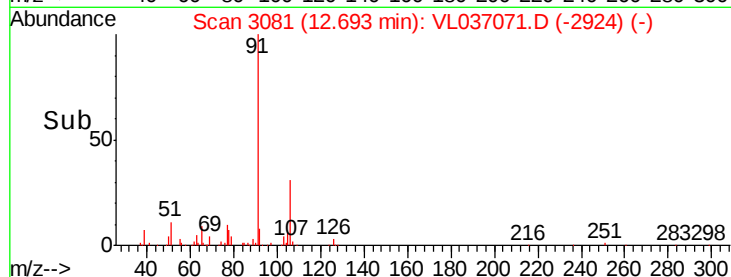
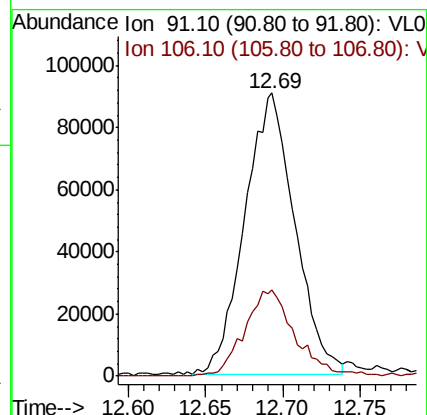
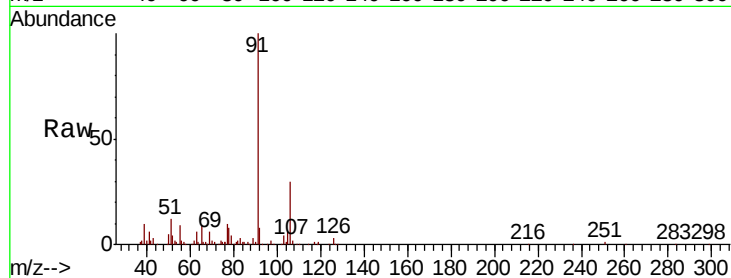
Ion Ratio Lower Upper

91 100

106 30.5 25.6 38.4

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#59

m/p-Xylene

Concen: 1.184 ppbv

RT: 12.95 min Scan# 3160

Delta R.T. -0.03 min

Lab File: VL037071.D

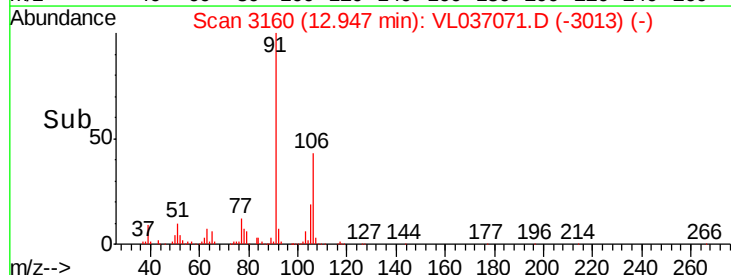
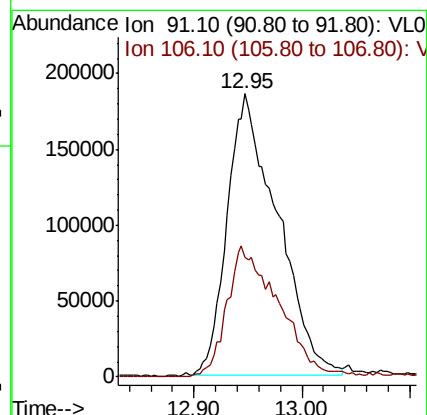
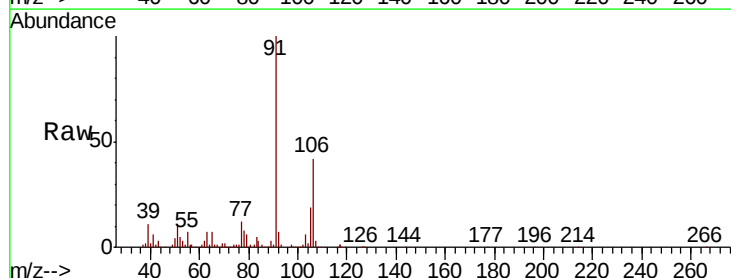
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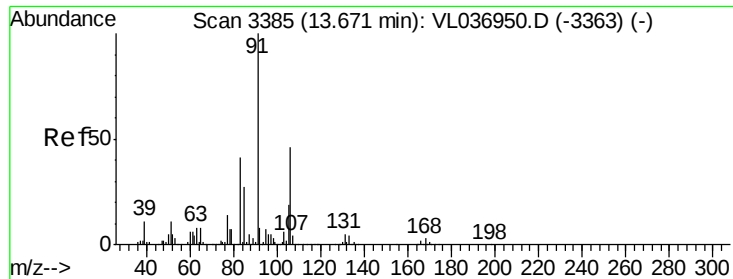
Tgt Ion: 91 Resp: 596030

Ion Ratio Lower Upper

91 100

106 48.4 37.4 56.2





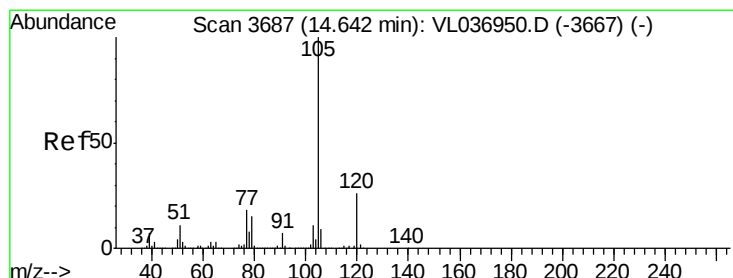
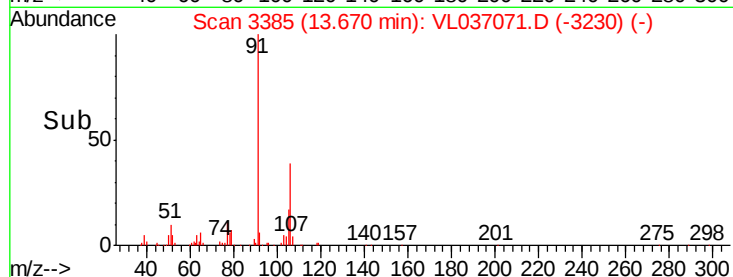
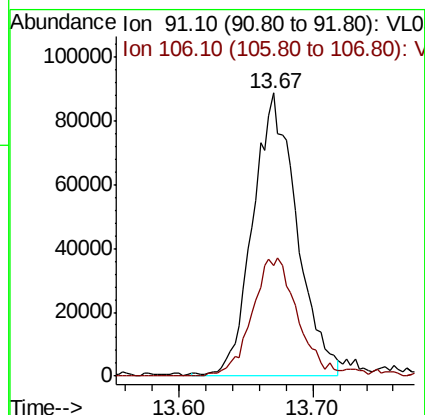
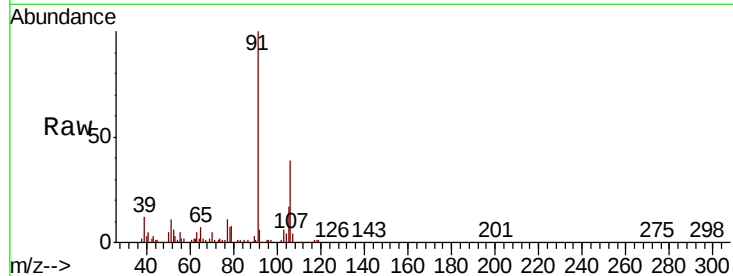
#60
o-Xylene
Concen: 0.421 ppbv m
RT: 13.67 min Scan# 3385
Delta R.T. -0.00 min
Lab File: VL037071.D
Acq: 1 Jun 2021 15:45

Instrument :
MSVOA_L
ClientSampled :
HSG2DL

Tot Ion: 91 Resp: 202140
Ion Ratio Lower Upper
91 100
106 45.4 23.4 70.3

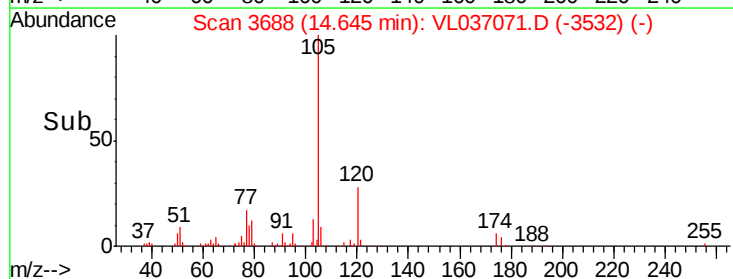
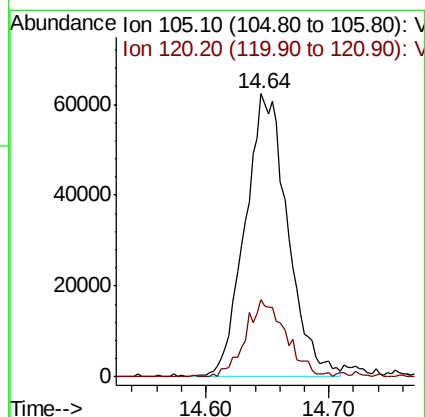
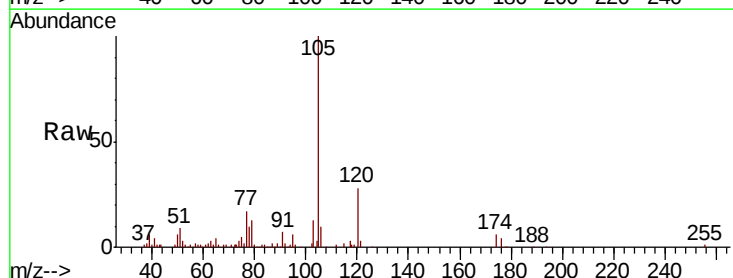
Manual Integrations
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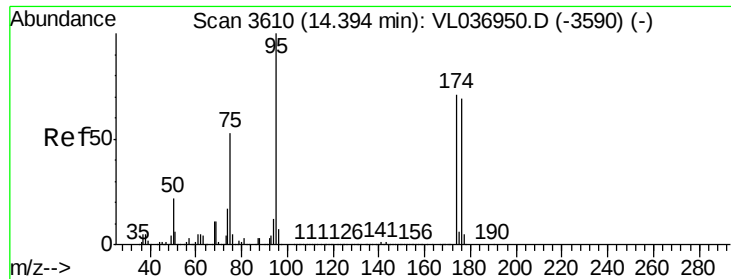
MMDadoda
6/7/2021 2:58:29 PM



#62
Isopropylbenzene
Concen: 0.219 ppbv m
RT: 14.64 min Scan# 3688
Delta R.T. 0.00 min
Lab File: VL037071.D
Acq: 1 Jun 2021 15:45

Tgt Ion: 105 Resp: 150773
Ion Ratio Lower Upper
105 100
120 26.8 21.7 32.5





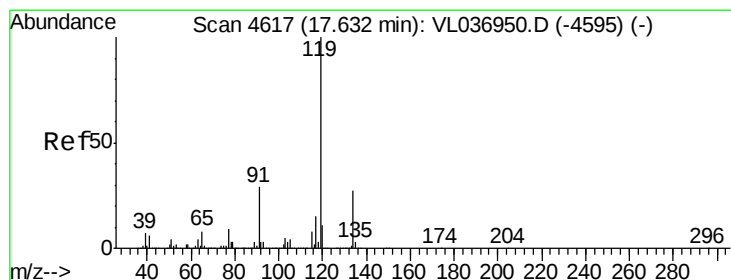
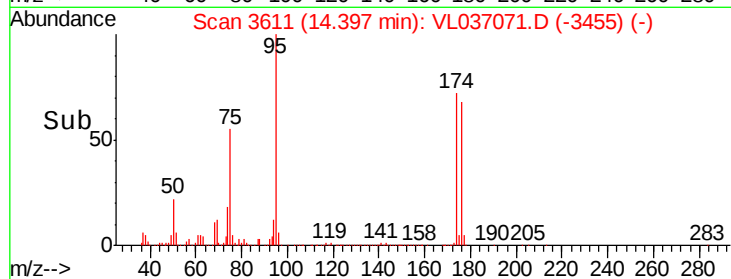
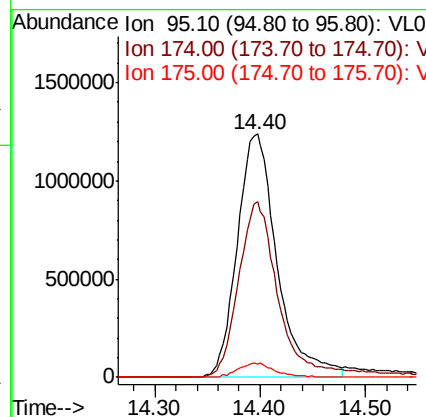
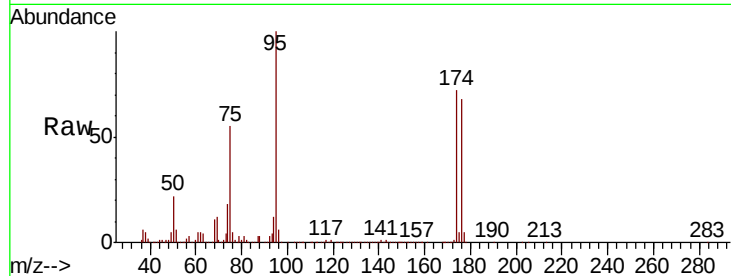
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.048 ppbv
 RT: 14.40 min Scan# 3611
 Delta R.T. 0.00 min
 Lab File: VL037071.D
 Acq: 1 Jun 2021 15:45

Instrument :
 MSVOA_L
 ClientSampleId :
 HSG2DL

Tot Ion: 95 Resp: 3256702
 Ion Ratio Lower Upper
 95 100
 174 75.5 58.4 87.6
 175 5.8 4.4 6.6

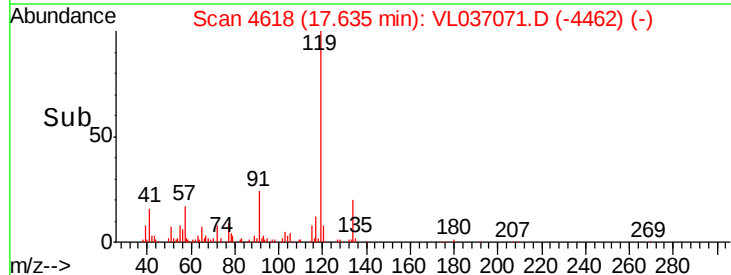
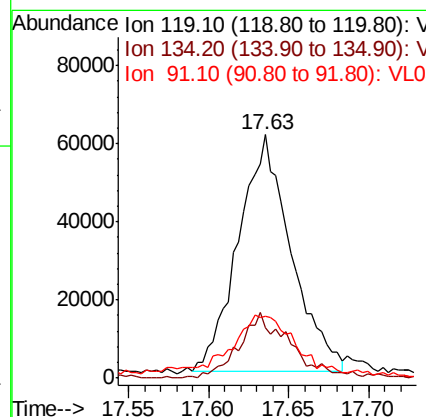
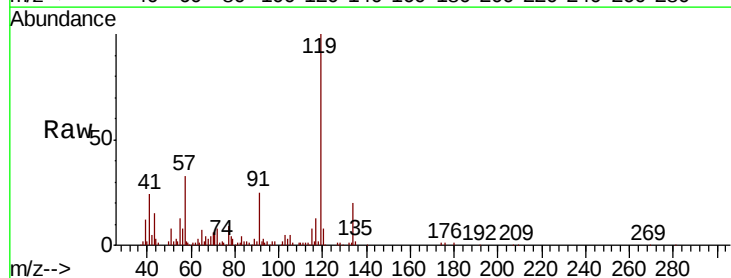
Manual Integrations
 APPROVED

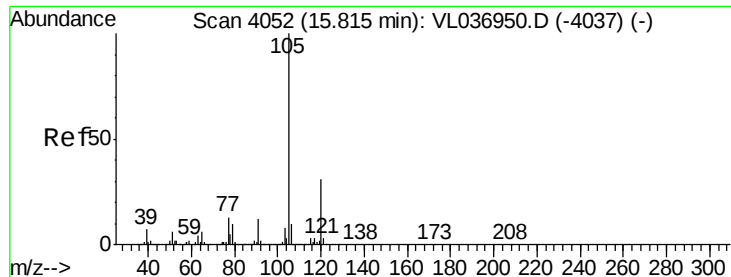
MMDadoda
 6/7/2021 2:58:29 PM



#69
 p-Isopropyltoluene
 Concen: 0.188 ppbv
 RT: 17.63 min Scan# 4618
 Delta R.T. 0.00 min
 Lab File: VL037071.D
 Acq: 1 Jun 2021 15:45

Tgt Ion: 119 Resp: 137104
 Ion Ratio Lower Upper
 119 100
 134 27.4 21.2 31.8
 91 35.3 22.2 33.4#





#72

4-Ethyltoluene

Concen: 0.114 ppbv

RT: 15.82 min Scan# 4053

Delta R.T. 0.00 min

Lab File: VL037071.D

Acq: 1 Jun 2021 15:45

Instrument :

MSVOA_L

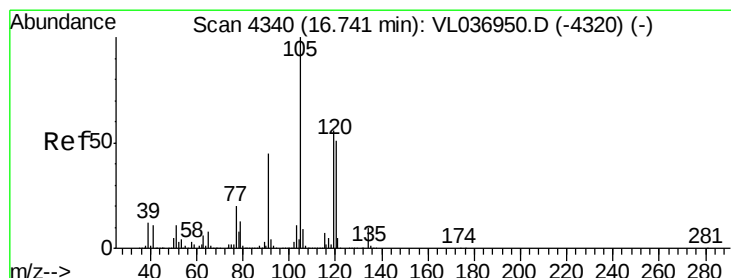
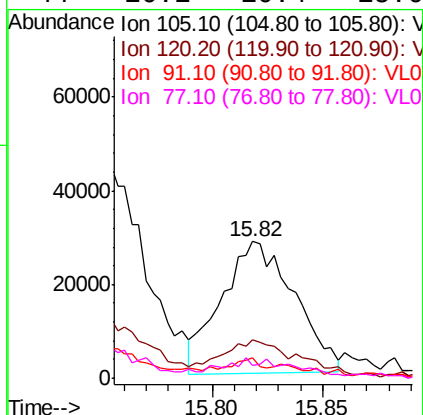
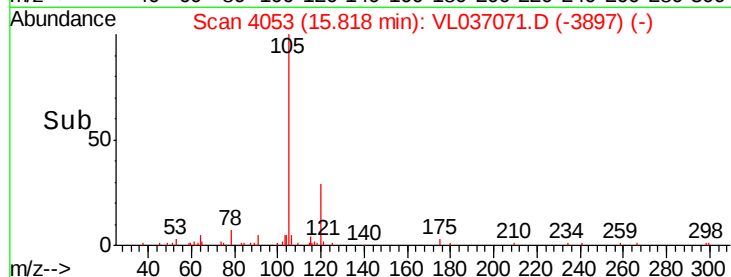
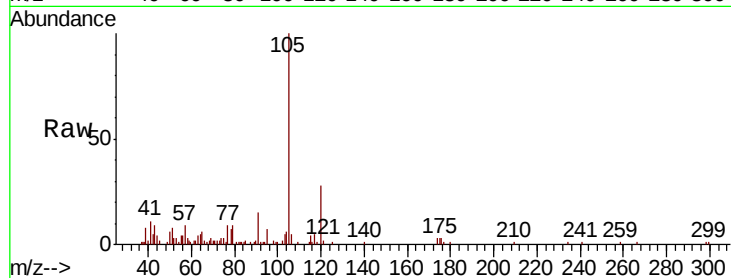
ClientSampleId :

HSG2DL

Tot Ion:	105	Resp:	64837
Ion Ratio	Lower	Upper	
105	100		
120	33.7	24.6	37.0
91	11.7	9.8	14.6
77	16.1	10.4	15.6#

Manual Integrations
APPROVED

MMDadoda
6/7/2021 2:58:29 PM



#74

1,2,4-Trimethylbenzene

Concen: 0.281 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. 0.00 min

Lab File: VL037071.D

Acq: 1 Jun 2021 15:45

Tgt Ion:	105	Resp:	155585
Ion Ratio	Lower	Upper	
105	100		
120	37.7	40.6	61.0#
91	8.9	37.4	56.0#
77	14.7	16.2	24.4#

