

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052521\
 Data File : VL037056.D
 Acq On : 25 May 2021 10:50
 Operator : SY/AP
 Sample : VL0525ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0525ABL01

Quant Time: May 26 01:10:45 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 12:00:15 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	1039108	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3371911	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	2889048	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2137792	9.85	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.50%

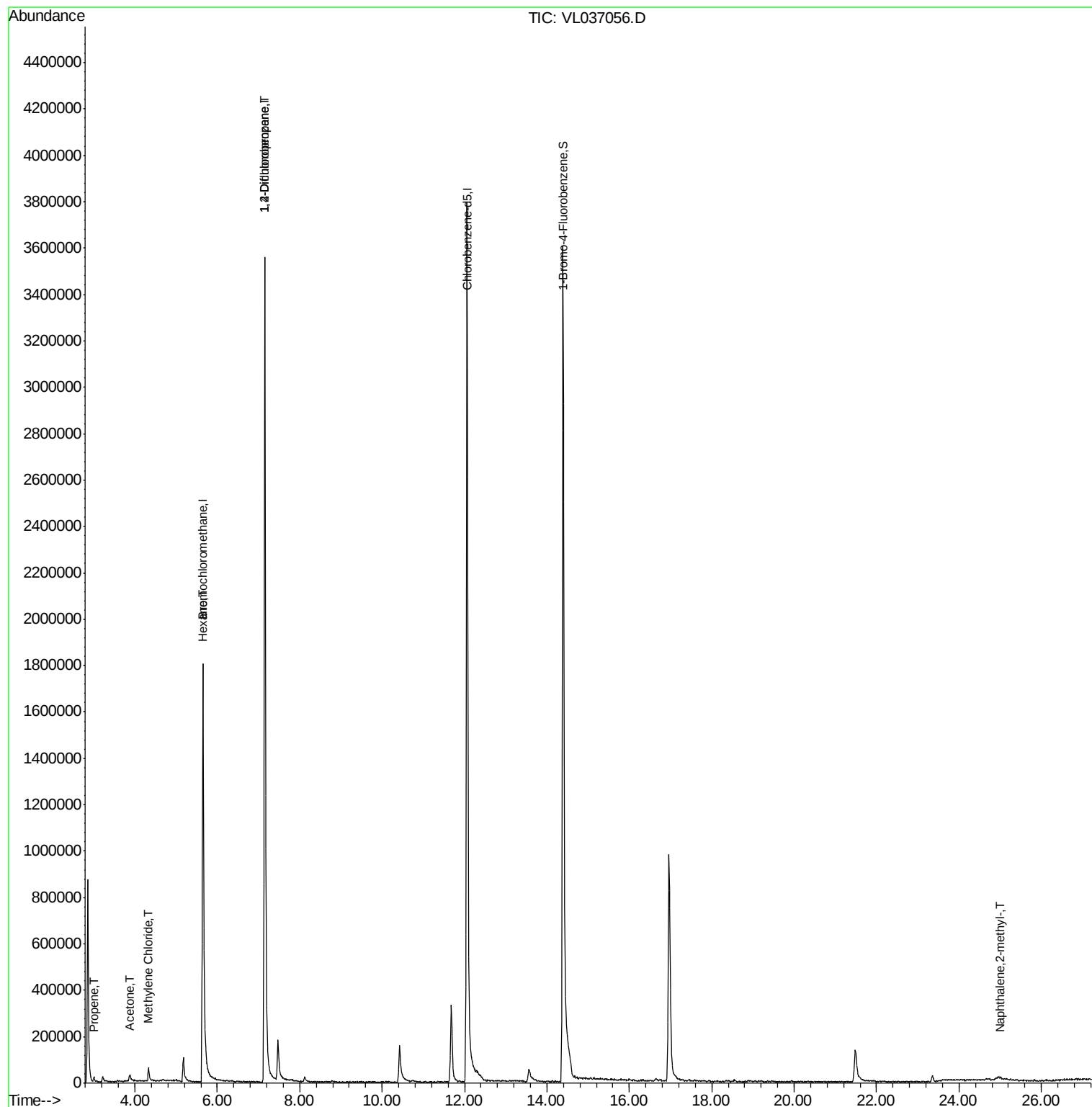
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	5167	0.076	ppbv #	16
15) Acetone	3.87	43	18502	0.174	ppbv #	45
20) Methylene Chloride	4.33	84	22627	0.397	ppbv	87
26) Hexane	5.66	57	10656	0.082	ppbv #	51
39) 1,2-Dichloropropane	7.15	63	788689	7.049	ppbv #	26
80) Naphthalene,2-methyl-	25.01	142	2037	0.032	ppbv #	21

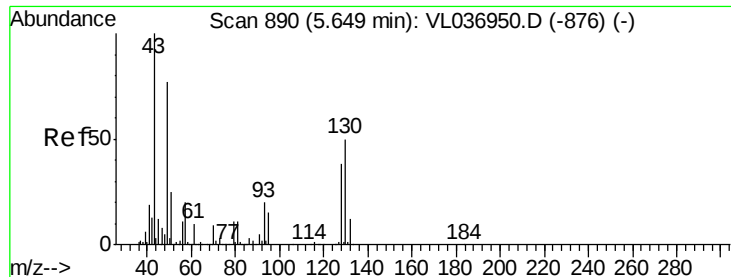
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

VL0525ABL01

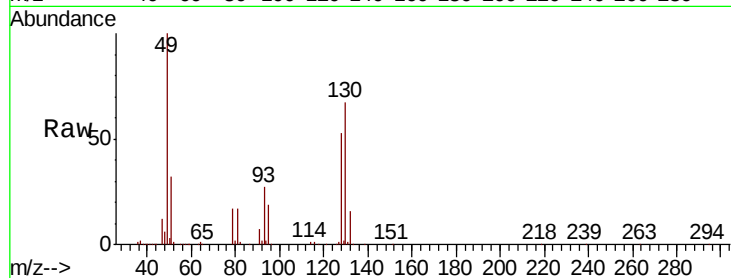
Tot Ion: 49 Resp: 1039108

Ion Ratio Lower Upper

49 100

128 63.4 26.9 80.7

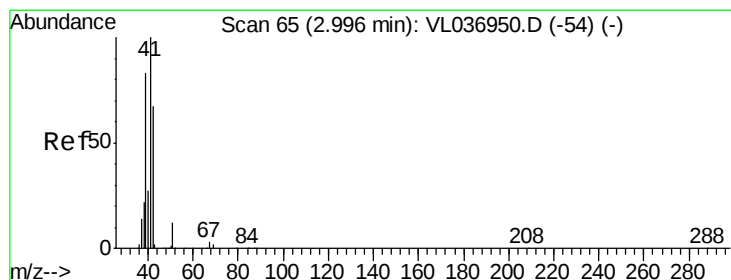
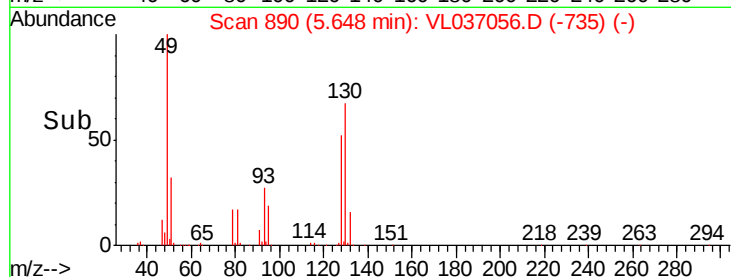
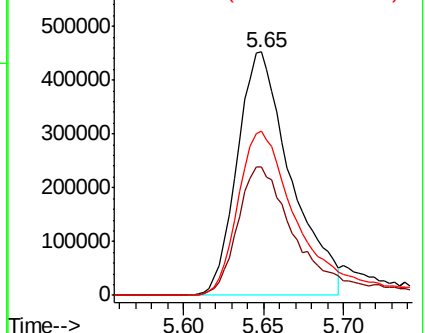
130 79.7 33.8 101.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.076 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.00 min

Lab File: VL037056.D

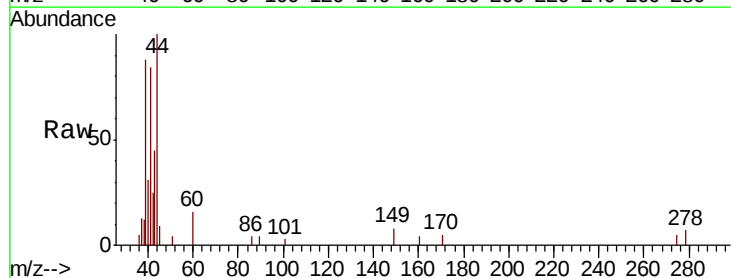
Acq: 25 May 2021 10:50

Tgt Ion: 41 Resp: 5167

Ion Ratio Lower Upper

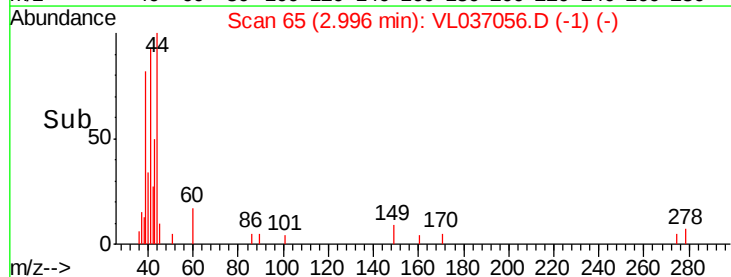
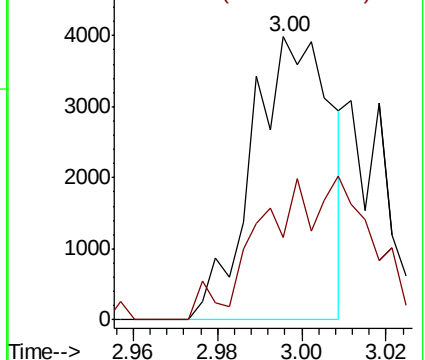
41 100

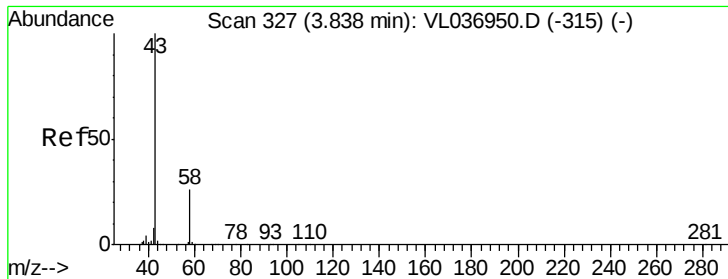
42 0.0 53.9 80.9#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.174 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.03 min

Lab File: VL037056.D

Acq: 25 May 2021 10:50

Instrument :

MSVOA_L

ClientSampleId :

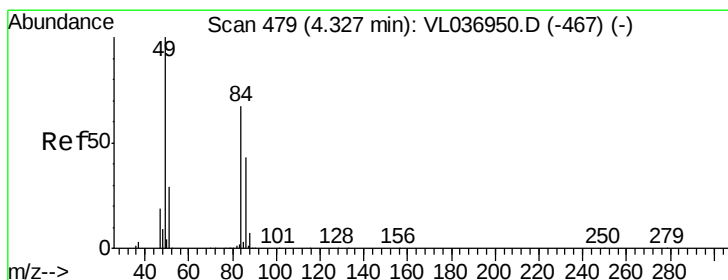
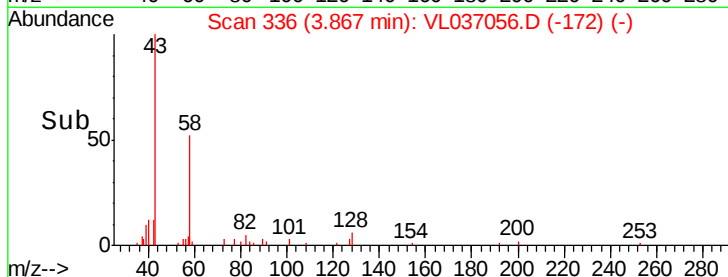
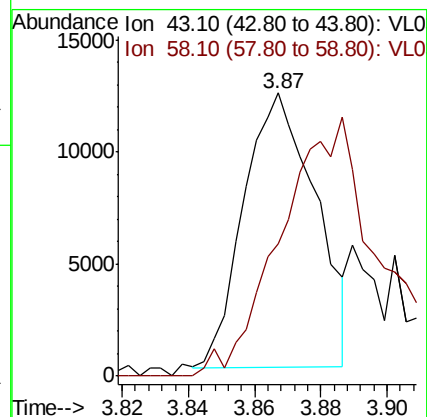
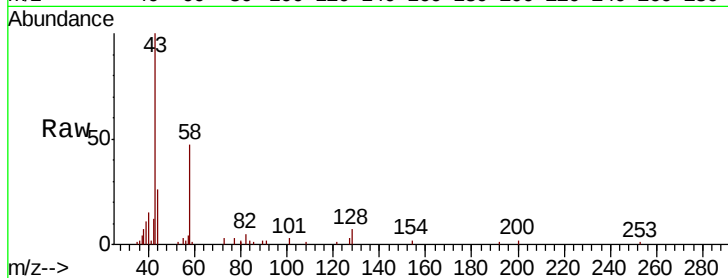
VL0525ABL01

Tot Ion: 43 Resp: 18502

Ion Ratio Lower Upper

43 100

58 0.0 24.0 36.0#



#20

Methylene Chloride

Concen: 0.397 ppbv

RT: 4.33 min Scan# 479

Delta R.T. -0.00 min

Lab File: VL037056.D

Acq: 25 May 2021 10:50

Tgt Ion: 84 Resp: 22627

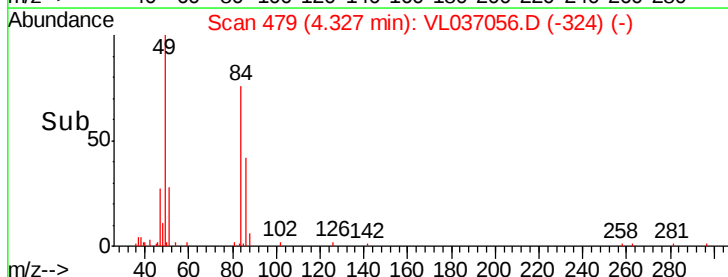
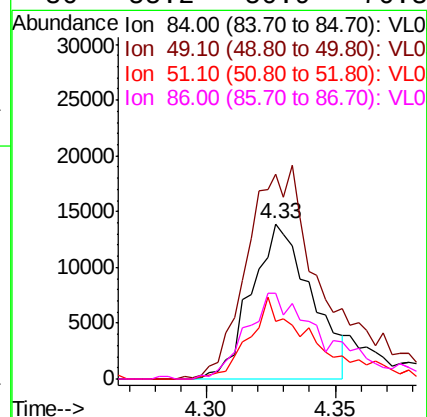
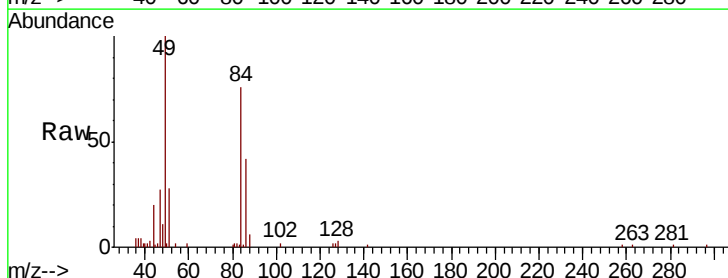
Ion Ratio Lower Upper

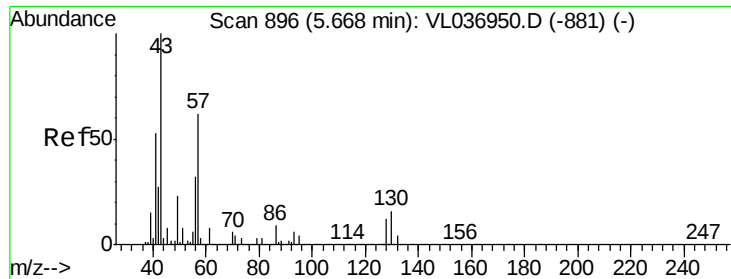
84 100

49 130.7 119.8 179.6

51 36.8 35.1 52.7

86 55.2 50.9 76.3

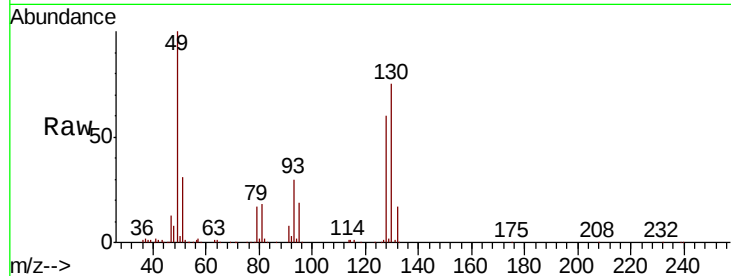




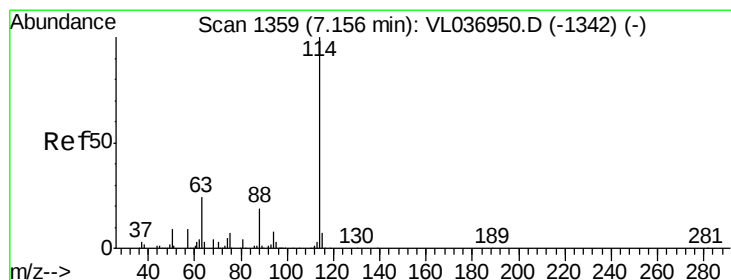
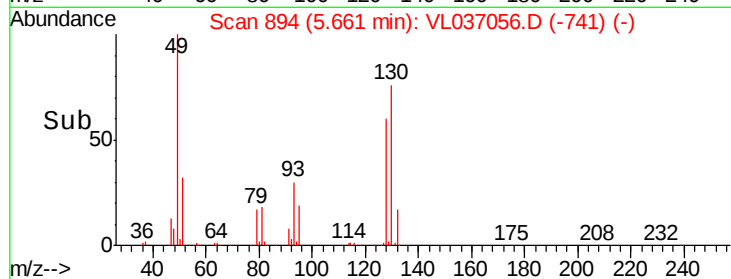
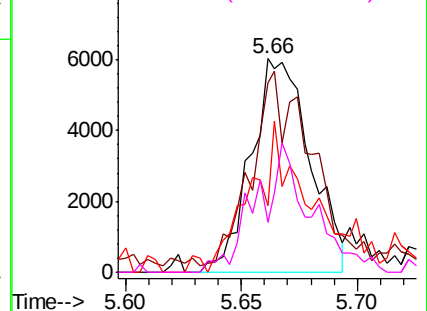
#26
Hexane
Concen: 0.082 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.01 min
Lab File: VL037056.D
Acq: 25 May 2021 10:50

Instrument :
MSVOA_L
ClientSampleId :
VL0525ABL01

Tot Ion: 57 Resp: 10656
Ion Ratio Lower Upper
57 100
41 90.7 70.5 105.7
43 84.2 165.8 248.8#
56 57.7 42.2 63.4

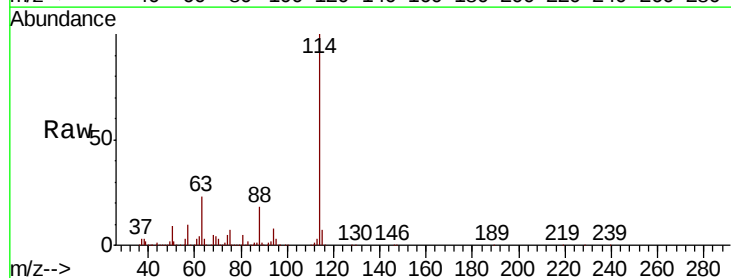


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

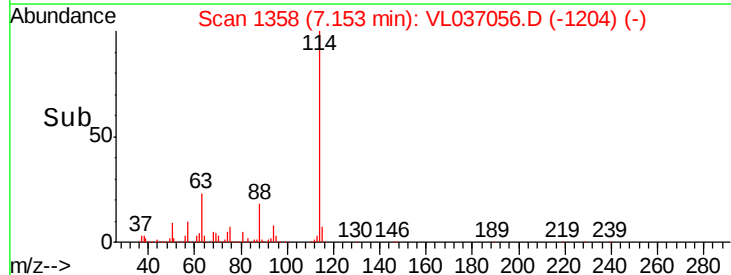
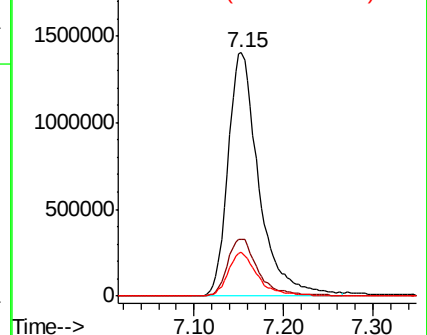


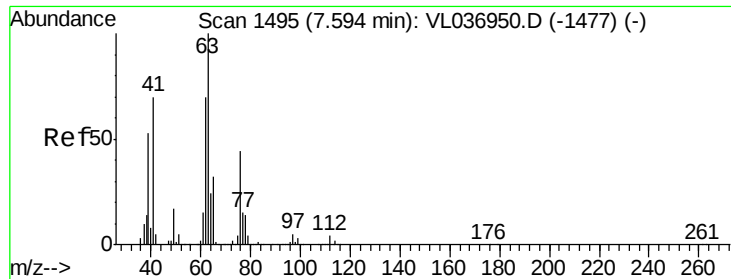
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VL037056.D
Acq: 25 May 2021 10:50

Tgt Ion:114 Resp: 3371911
Ion Ratio Lower Upper
114 100
63 23.9 19.6 29.4
88 17.6 14.6 21.8



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0

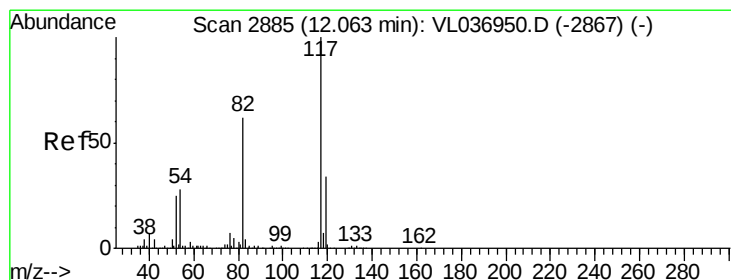
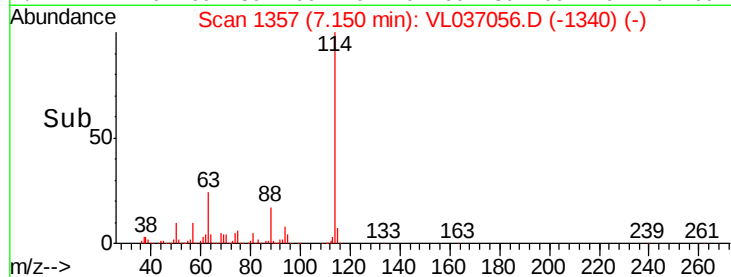
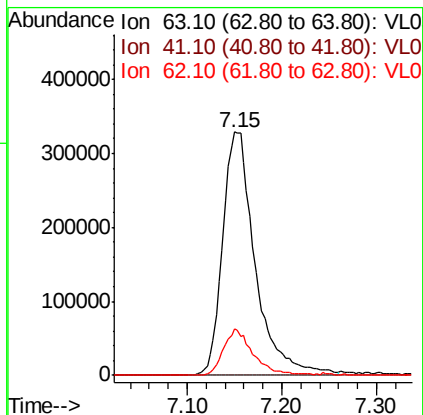
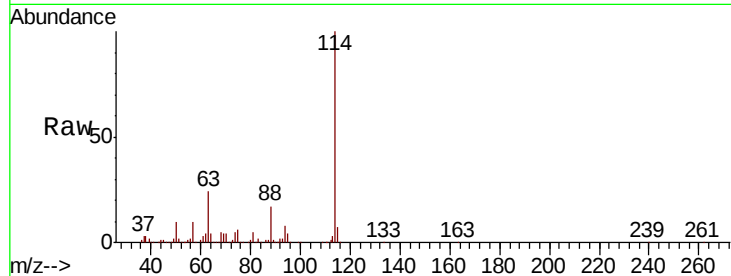




#39
 1,2-Dichloropropane
 Concen: 7.049 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. -0.44 min
 Lab File: VL037056.D
 Acq: 25 May 2021 10:50

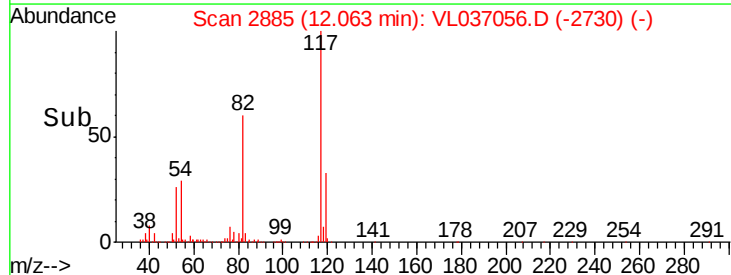
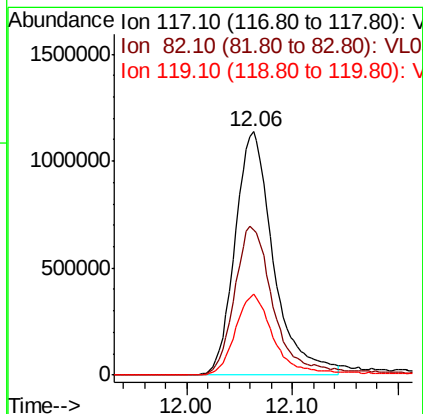
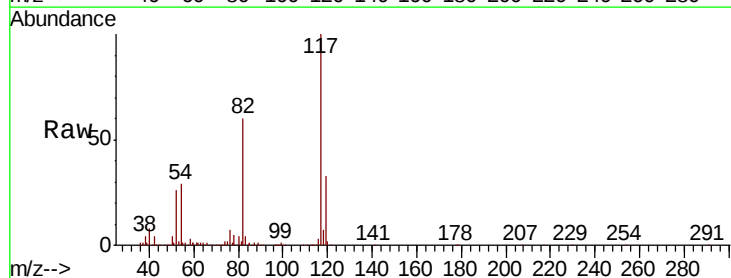
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 VL0525ABL01

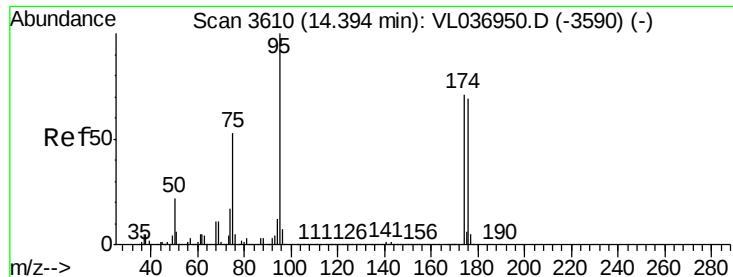
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.1	55.7	83.5#
62	19.0	56.2	84.4#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.06 min Scan# 2885
 Delta R.T. -0.00 min
 Lab File: VL037056.D
 Acq: 25 May 2021 10:50

Tgt Ion	Ratio	Lower	Upper
117	100		
82	65.5	52.6	79.0
119	33.9	46.6	70.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.850 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.00 min

Lab File: VL037056.D

Acq: 25 May 2021 10:50

Instrument :

MSVOA_L

ClientSampleId :

VL0525ABL01

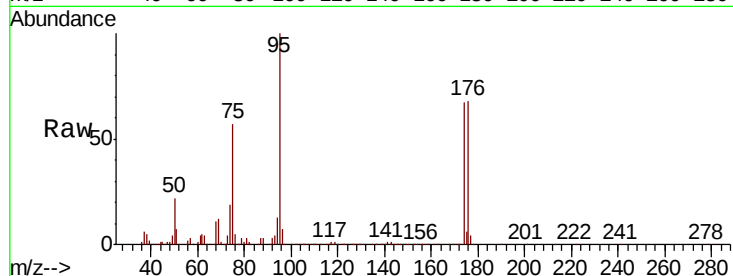
Tot Ion: 95 Resp: 2137792

Ion Ratio Lower Upper

95 100

174 74.5 58.4 87.6

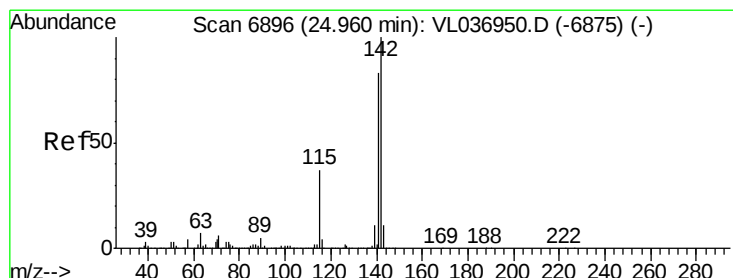
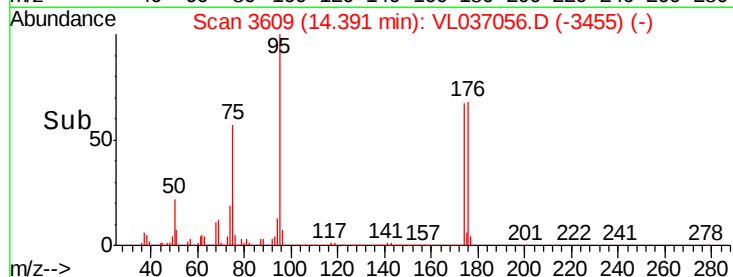
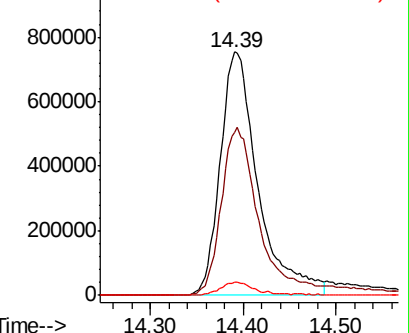
175 5.0 4.4 6.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



#80

Naphthalene, 2-methyl-

Concen: 0.032 ppbv

RT: 25.01 min Scan# 6911

Delta R.T. 0.05 min

Lab File: VL037056.D

Acq: 25 May 2021 10:50

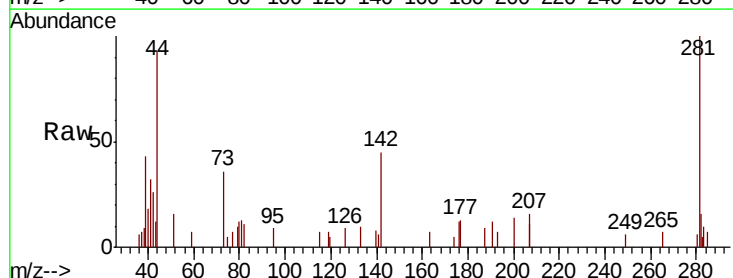
Tgt Ion: 142 Resp: 2037

Ion Ratio Lower Upper

142 100

141 0.0 69.3 103.9#

115 63.0 29.1 43.7#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

