

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060221\
 Data File : VL037102.D
 Acq On : 2 Jun 2021 15:11
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Manual Integrations
 APPROVED

MMDadoda
 6/7/2021 3:00:32 PM

Quant Time: Jun 03 06:49:00 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	1375796	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4066944	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3502915	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2711658	10.30	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.62	45	10021m	0.832	ppbv	
15) Acetone	3.87	43	102845m	0.730	ppbv	
20) Methylene Chloride	4.33	84	51067m	0.676	ppbv	
26) Hexane	5.67	57	32044m	0.185	ppbv	
35) Carbon Tetrachloride	7.00	117	10340m	0.038	ppbv	
38) Trichloroethene	7.82	130	8773m	0.059	ppbv	
52) Tetrachloroethene	11.20	164	7387m	0.053	ppbv	

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

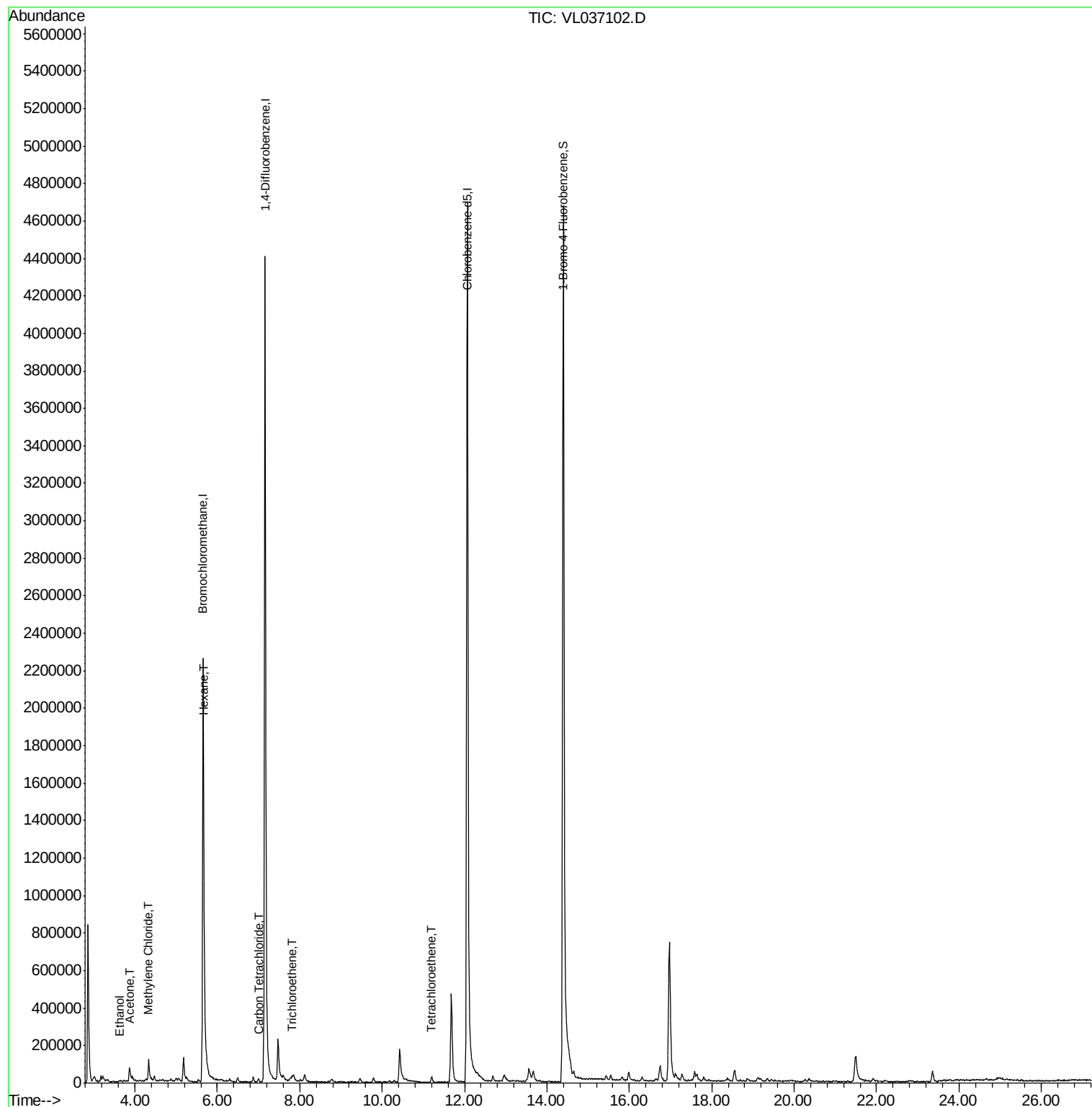
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060221\
Data File : VL037102.D
Acq On : 2 Jun 2021 15:11
Operator : SY/AP
Sample : VIBLK
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

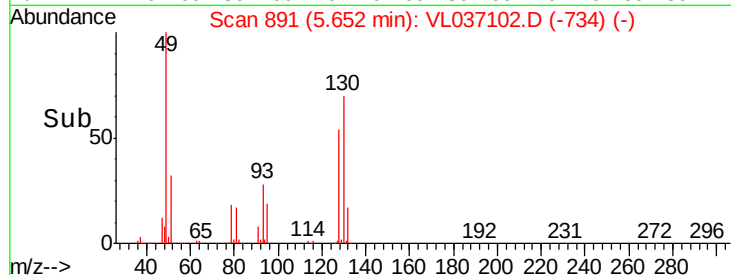
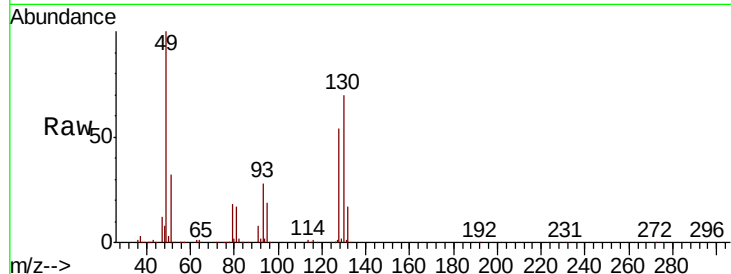
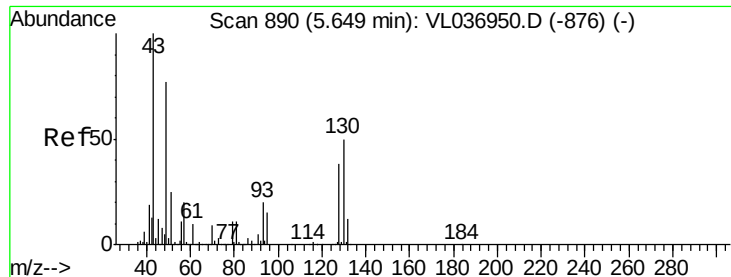
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Manual Integrations
APPROVED

MMDadoda
6/7/2021 3:00:32 PM

Quant Time: Jun 03 06:49:00 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





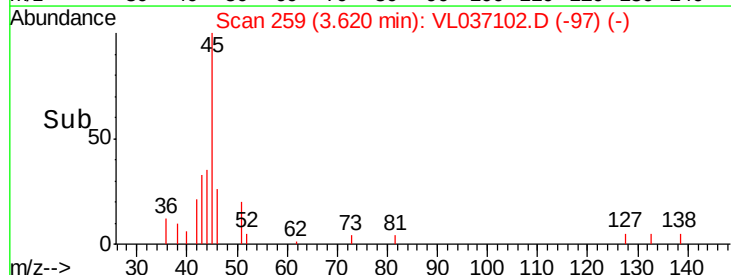
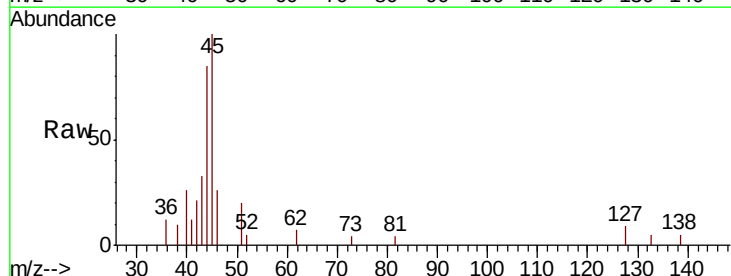
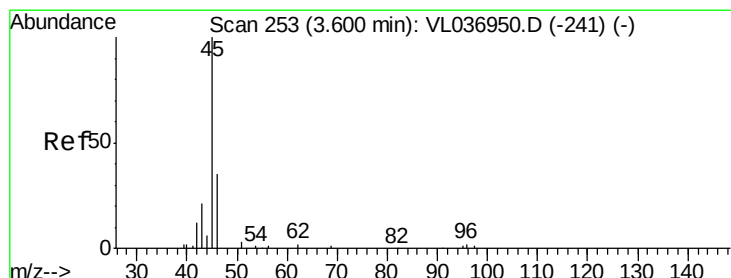
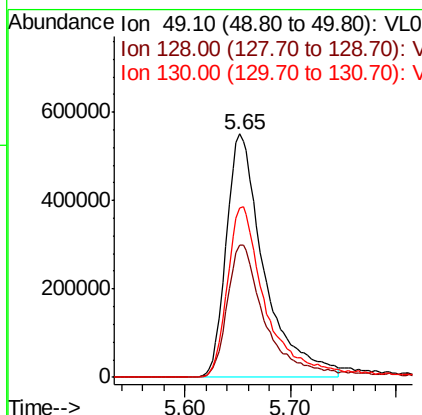
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 891
Delta R.T. 0.00 min
Lab File: VL037102.D
Acq: 2 Jun 2021 15:11

Tot Ion: 49 Resp: 1375796
Ion Ratio Lower Upper
49 100
128 57.0 26.9 80.7
130 75.0 33.8 101.4

Instrument :
MSVOA_L
ClientSampled :
VIBLK

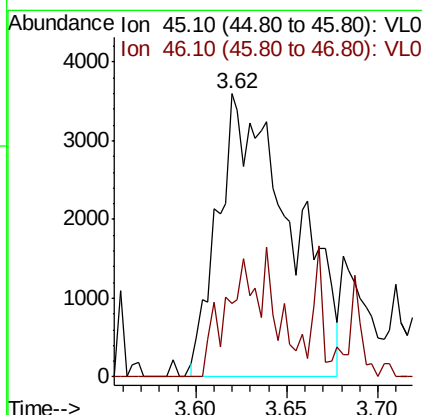
Manual Integrations
APPROVED

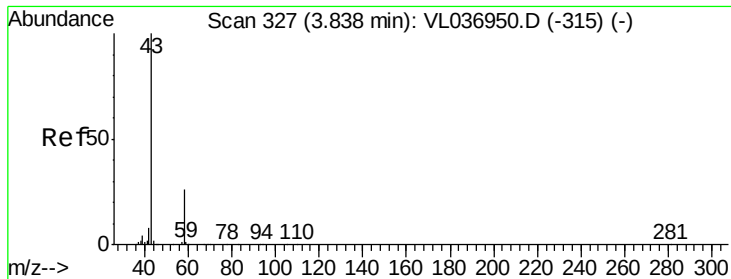
MMDadoda
6/7/2021 3:00:32 PM



#13
Ethanol
Concen: 0.832 ppbv m
RT: 3.62 min Scan# 259
Delta R.T. 0.02 min
Lab File: VL037102.D
Acq: 2 Jun 2021 15:11

Tgt Ion: 45 Resp: 10021
Ion Ratio Lower Upper
45 100
46 0.0 16.3 65.3#





#15

Acetone

Concen: 0.730 ppbv m

RT: 3.87 min Scan# 337

Delta R.T. 0.03 min

Lab File: VL037102.D

Acq: 2 Jun 2021 15:11

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tot Ion: 43 Resp: 102845

Ion Ratio Lower Upper

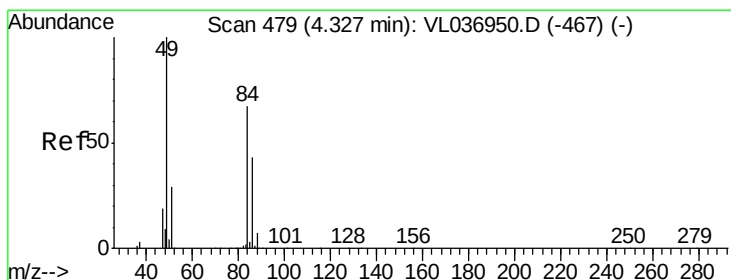
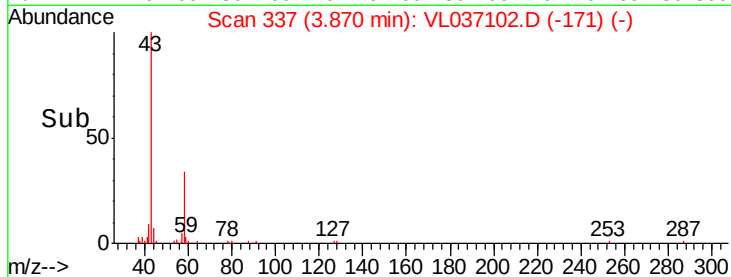
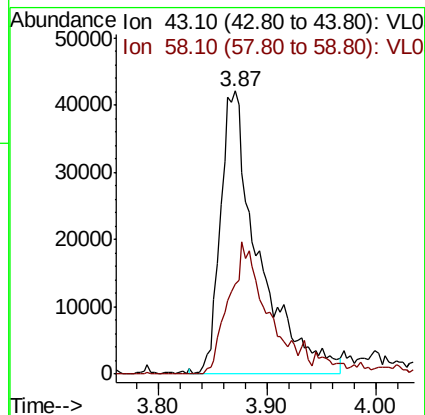
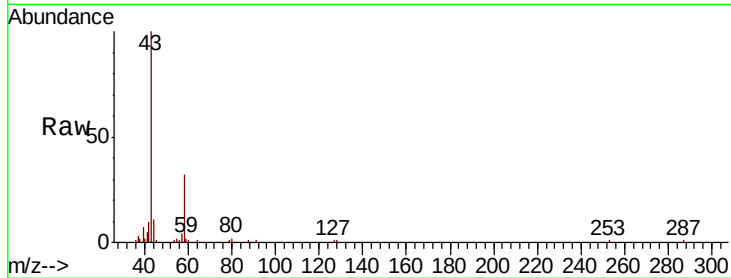
43 100

58 0.0 24.0 36.0#

Manual Integrations
APPROVED

MMDadoda

6/7/2021 3:00:32 PM



#20

Methylene Chloride

Concen: 0.676 ppbv m

RT: 4.33 min Scan# 479

Delta R.T. 0.00 min

Lab File: VL037102.D

Acq: 2 Jun 2021 15:11

Tgt Ion: 84 Resp: 51067

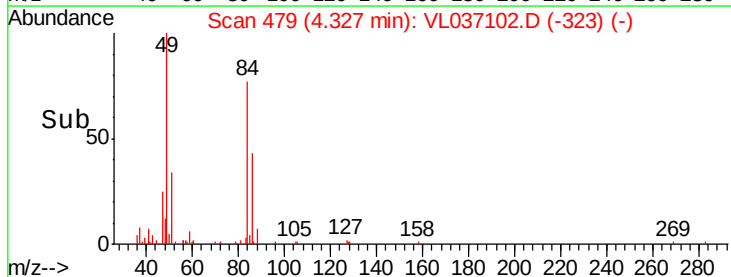
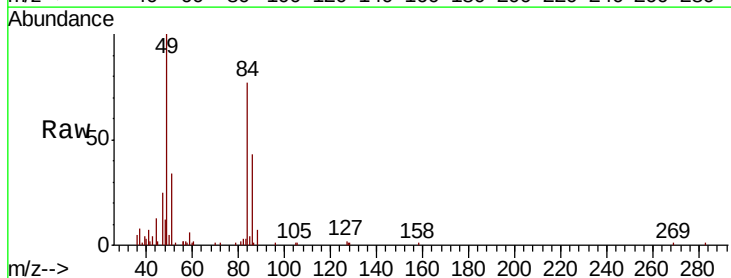
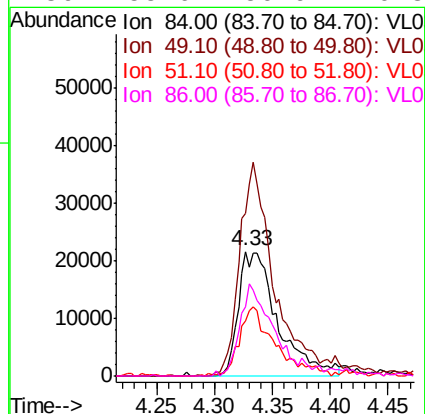
Ion Ratio Lower Upper

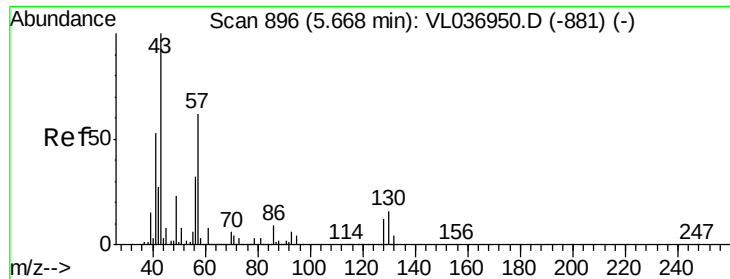
84 100

49 130.2 119.8 179.6

51 44.4 35.1 52.7

86 55.6 50.9 76.3





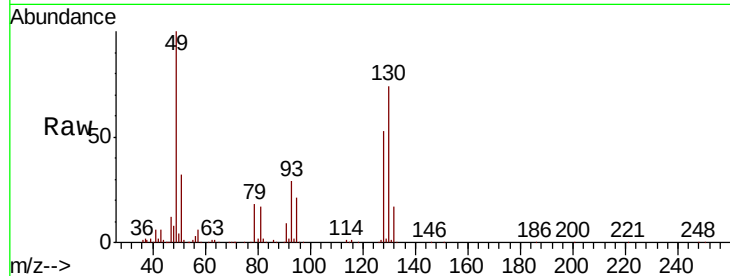
#26
Hexane
Concen: 0.185 ppbv m
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL037102.D
Acq: 2 Jun 2021 15:11

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tot Ion	Ratio	Lower	Upper
57	100		
41	105.5	70.5	105.7
43	103.0	165.8	248.8#
56	51.7	42.2	63.4

Manual Integrations
APPROVED

MMDadoda
6/7/2021 3:00:32 PM



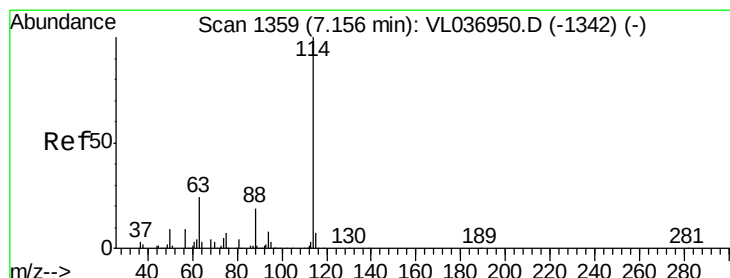
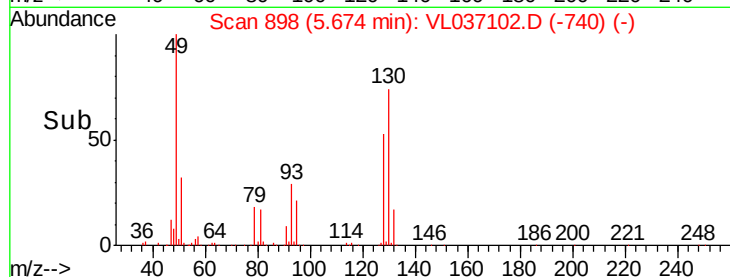
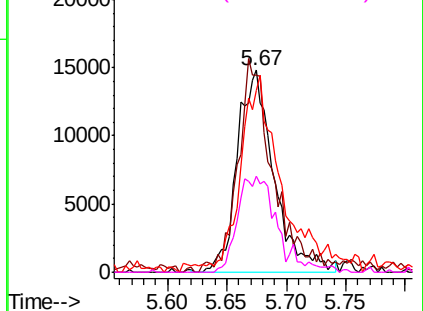
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

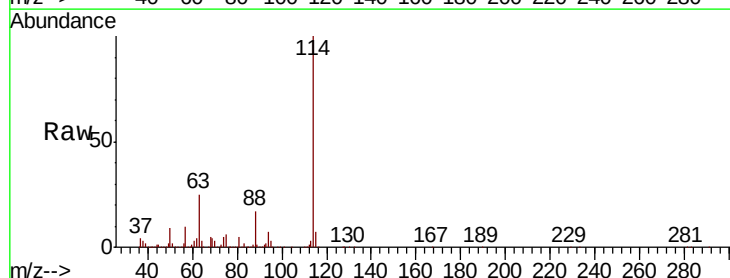
Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. 0.00 min
Lab File: VL037102.D
Acq: 2 Jun 2021 15:11

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.3	19.6	29.4
88	17.9	14.6	21.8

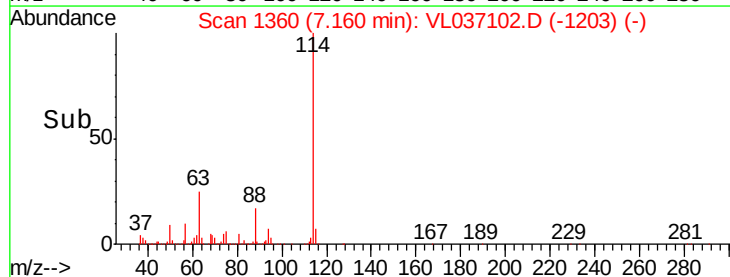
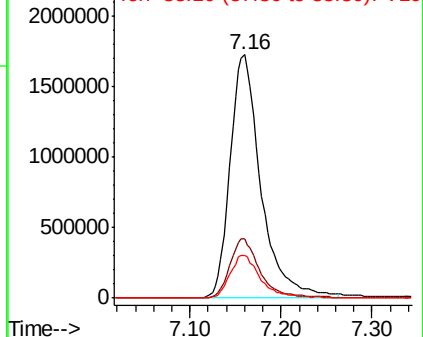


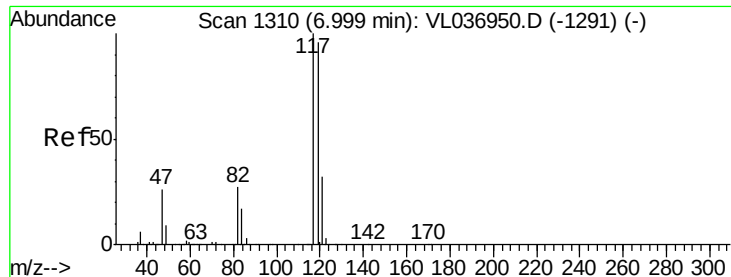
Abundance

Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#35

Carbon Tetrachloride

Concen: 0.038 ppbv m

RT: 7.00 min Scan# 1310

Delta R.T. 0.00 min

Lab File: VL037102.D

Acq: 2 Jun 2021 15:11

Instrument :

MSVOA_L

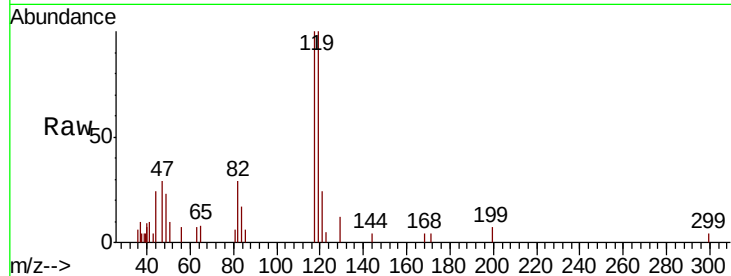
ClientSampleId :

VIBLK

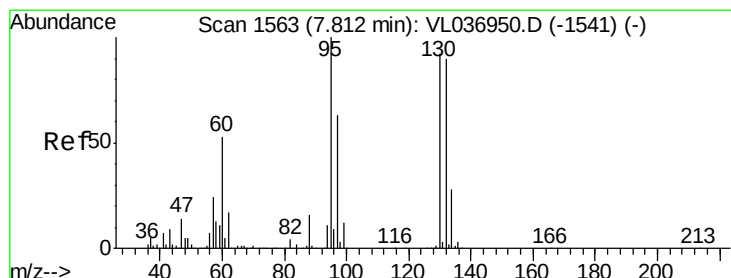
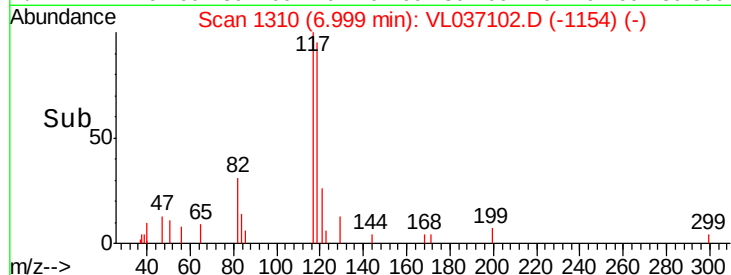
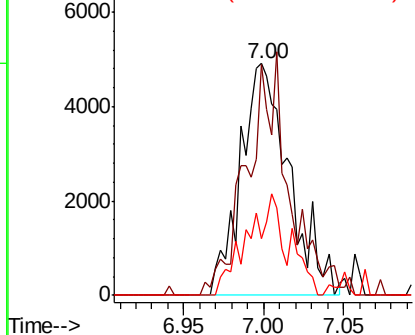
Tot Ion:	117	Resp:	10340
Ion	Ratio	Lower	Upper
117	100		
119	99.8	76.6	114.8
121	24.4	25.8	38.6#

Manual Integrations
APPROVED

MMDadoda
6/7/2021 3:00:32 PM



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#38

Trichloroethene

Concen: 0.059 ppbv m

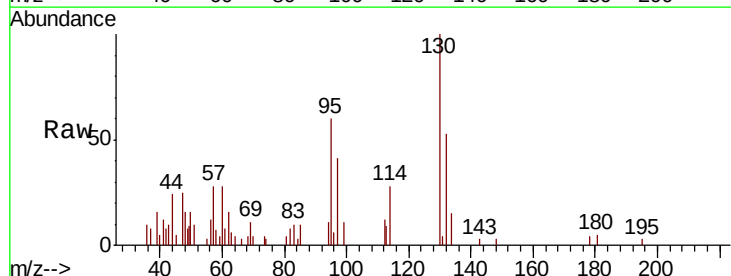
RT: 7.82 min Scan# 1565

Delta R.T. 0.01 min

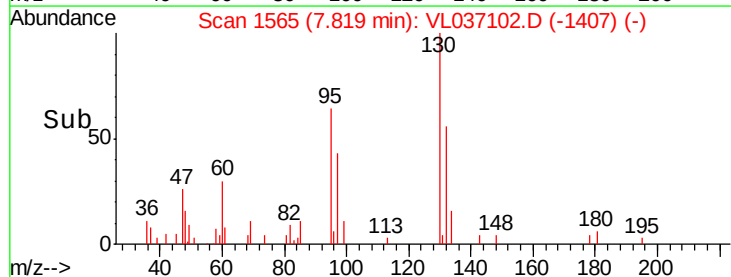
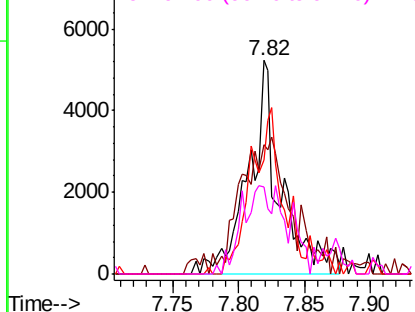
Lab File: VL037102.D

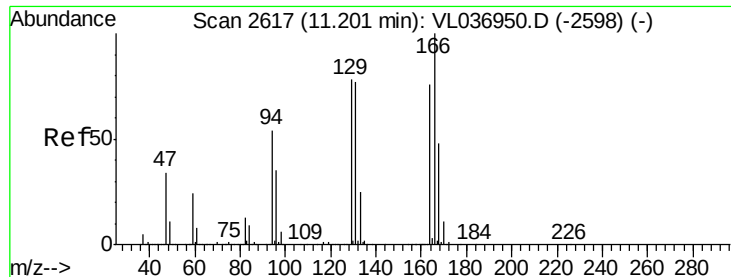
Acq: 2 Jun 2021 15:11

Tgt Ion:	130	Resp:	8773
Ion	Ratio	Lower	Upper
130	100		
95	60.5	86.9	130.3#
132	53.4	78.4	117.6#
97	40.6	55.0	82.6#



Abundance Ion 130.00 (129.70 to 130.70): V
Ion 95.00 (94.70 to 95.70): VL0
Ion 132.00 (131.70 to 132.70): V
Ion 97.00 (96.70 to 97.70): VL0





#52

Tetrachloroethene

Concen: 0.053 ppbv m

RT: 11.20 min Scan# 2618

Delta R.T. 0.00 min

Lab File: VL037102.D

Acq: 2 Jun 2021 15:11

Instrument :

MSVOA_L

ClientSampled :

VIBLK

Tot Ion:164 Resp: 7387

Ion Ratio Lower Upper

164 100

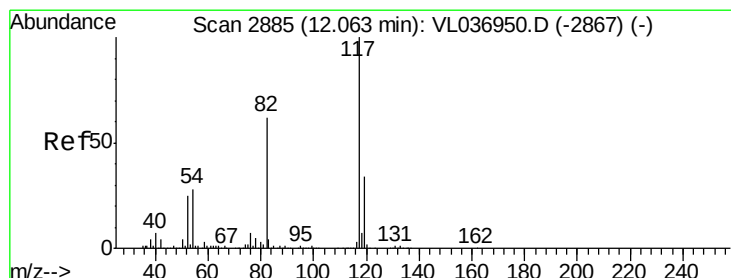
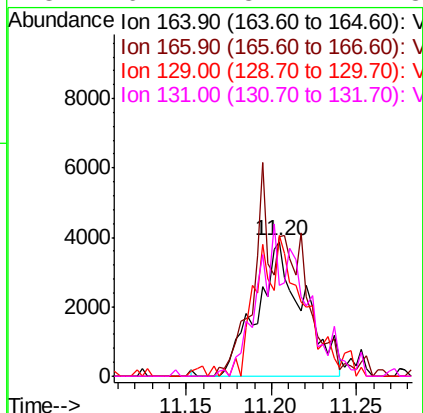
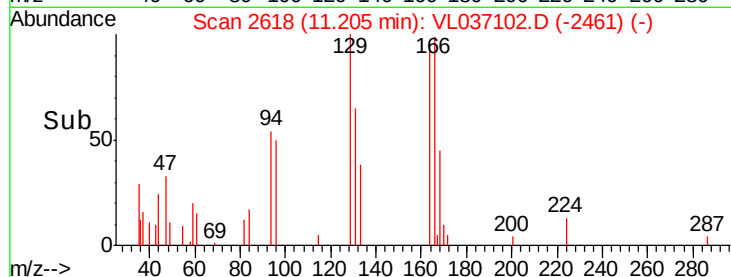
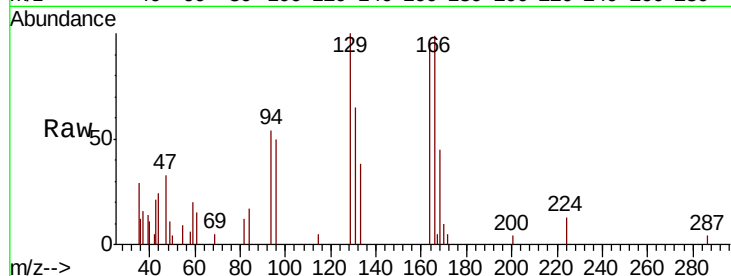
166 103.4 105.5 158.3#

129 104.6 81.8 122.8

131 67.7 81.2 121.8#

Manual Integrations
APPROVED

MMDadoda
6/7/2021 3:00:32 PM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VL037102.D

Acq: 2 Jun 2021 15:11

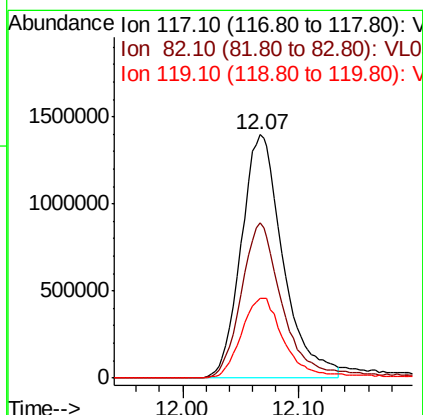
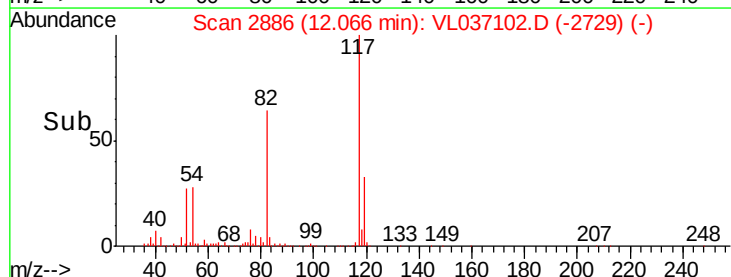
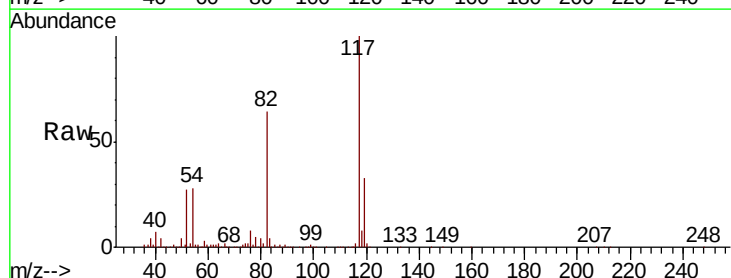
Tgt Ion:117 Resp: 3502915

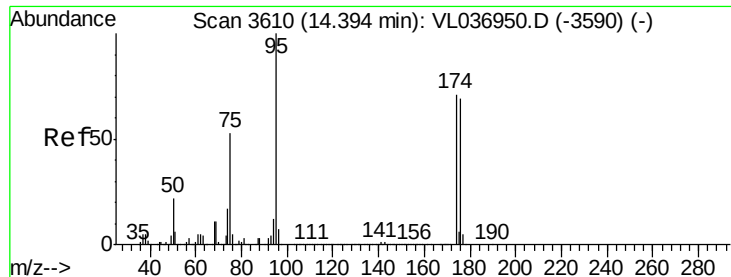
Ion Ratio Lower Upper

117 100

82 66.8 52.6 79.0

119 34.9 46.6 70.0#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.305 ppbv
 RT: 14.40 min Scan# 3611
 Delta R.T. 0.00 min
 Lab File: VL037102.D
 Acq: 2 Jun 2021 15:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Tot Ion	Ratio	Lower	Upper
95	100		
174	74.0	58.4	87.6
175	5.0	4.4	6.6

Manual Integrations
 APPROVED

MMDadoda
 6/7/2021 3:00:32 PM

