

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051921\
 Data File : VL037012.D
 Acq On : 20 May 2021 4:20
 Operator : SY/AP
 Sample : M2424-02DL 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-05DL

Manual Integrations
 APPROVED

MMDadoda
 5/24/2021 3:02:38 PM

Quant Time: May 22 23:09:13 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	5.64	49	987135	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.14	114	2934927	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.05	117	2619063	10.00	ppbv	-0.01

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.38	95	1958701	9.96	ppbv	-0.01	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	29685	0.458	ppbv	99
15) Acetone	3.84	43	650230	6.431	ppbv	96
34) 2-Butanone	5.24	43	60862m	0.570	ppbv	
36) Benzene	6.86	78	57614m	0.228	ppbv	
53) Toluene	9.78	91	56186m	0.187	ppbv	

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

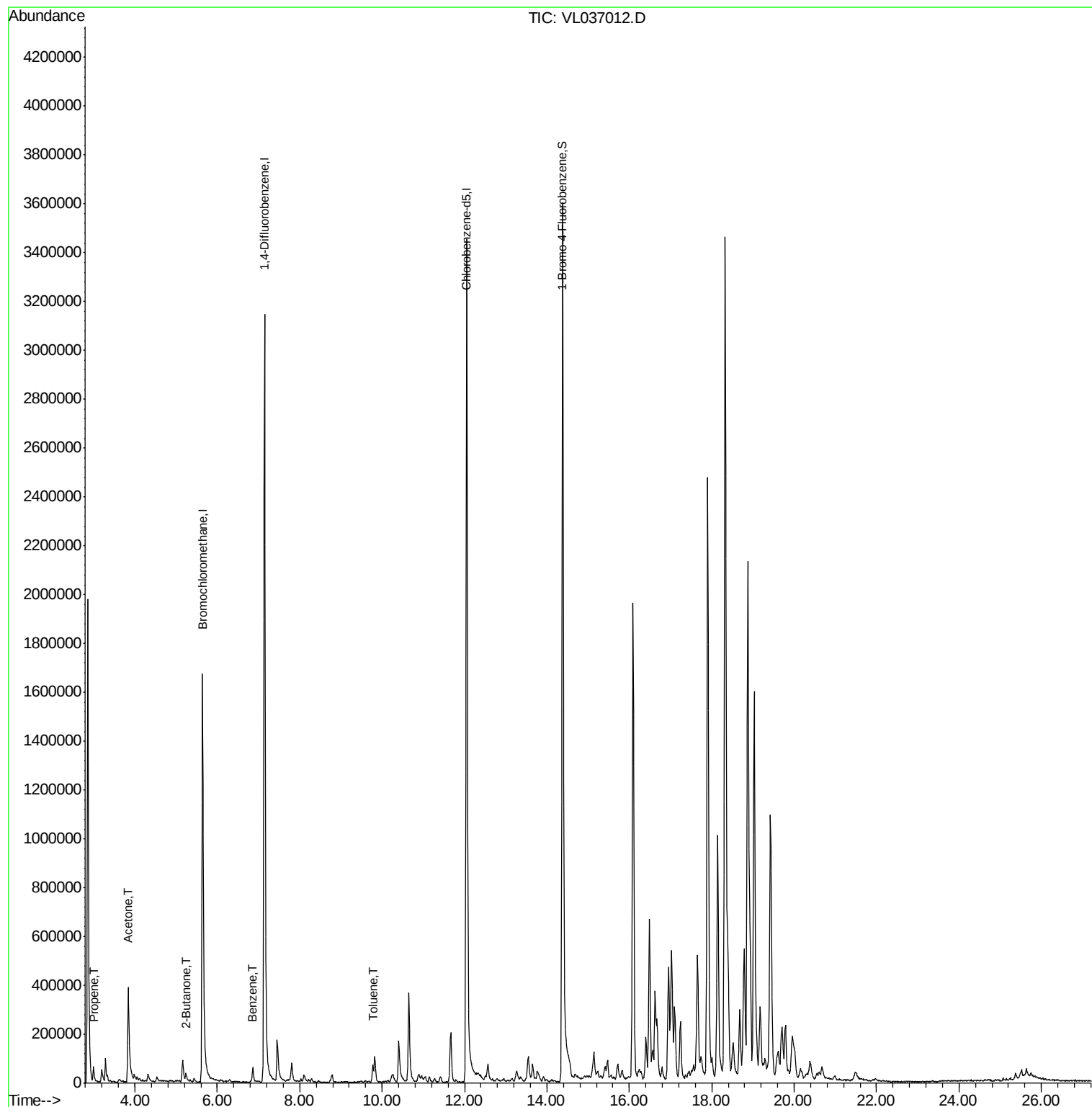
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051921\
Data File : VL037012.D
Acq On : 20 May 2021 4:20
Operator : SY/AP
Sample : M2424-02DL 40X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

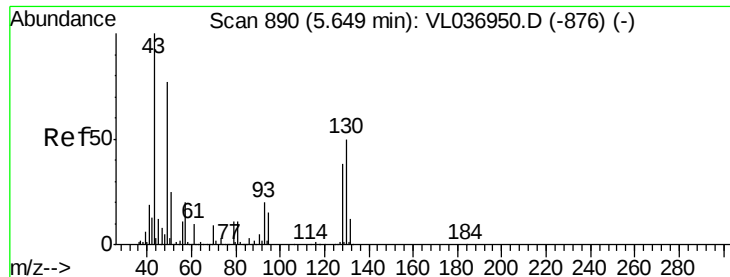
Instrument :
MSVOA_L
ClientSampleId :
KSV-05DL

Manual Integrations
APPROVED

MMDadoda
5/24/2021 3:02:38 PM

Quant Time: May 22 23:09:13 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: 5.64 min Scan# 887

Delta R.T. -0.01 min

Lab File: VL037012.D

Acq: 20 May 2021 4:20

Instrument :

MSVOA_L

ClientSampled :

KSV-05DL

Tot Ion: 49 Resp: 987135

Ion Ratio Lower Upper

49 100

128 53.8 26.9 80.7

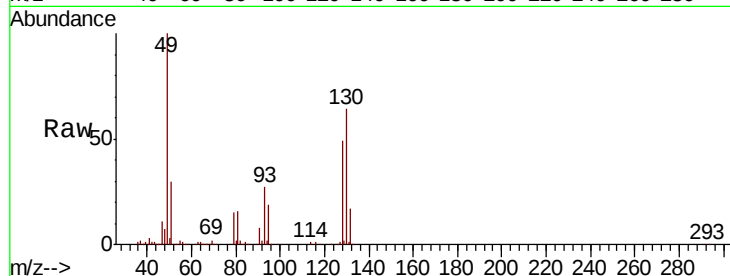
130 70.3 33.8 101.4

Manual Integrations

APPROVED

MMDadoda

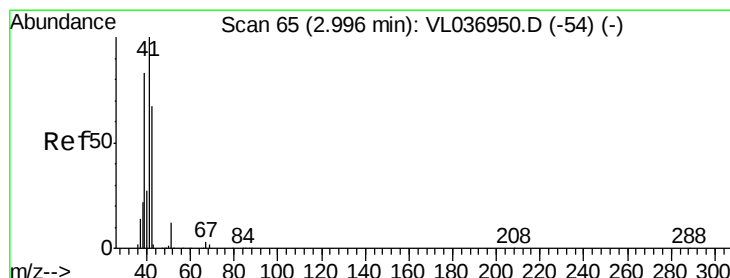
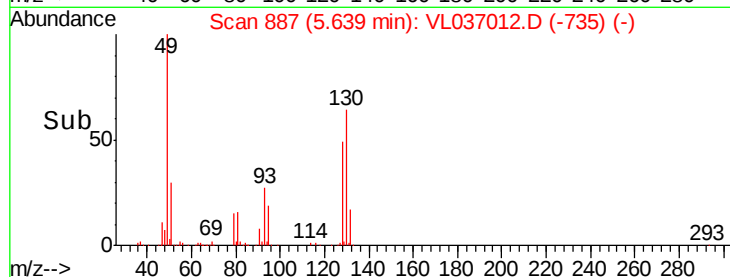
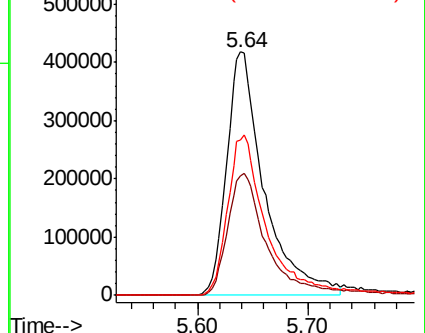
5/24/2021 3:02:38 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.458 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.00 min

Lab File: VL037012.D

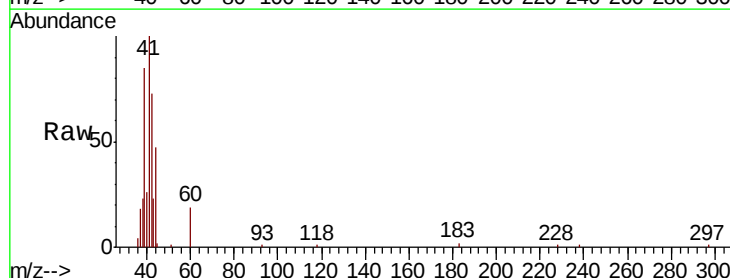
Acq: 20 May 2021 4:20

Tgt Ion: 41 Resp: 29685

Ion Ratio Lower Upper

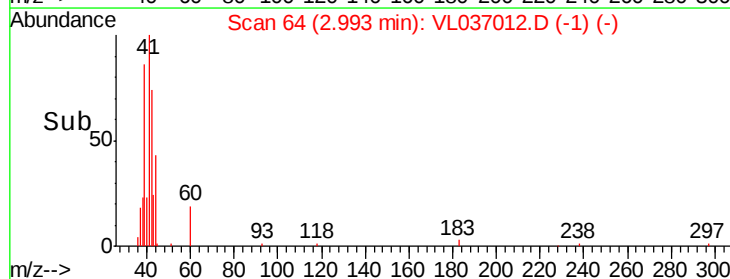
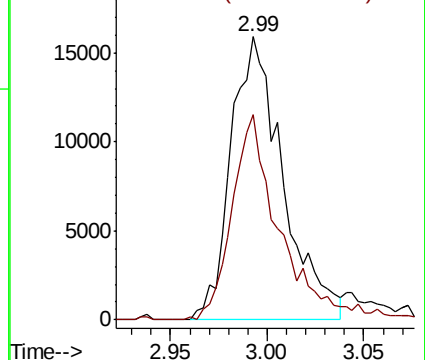
41 100

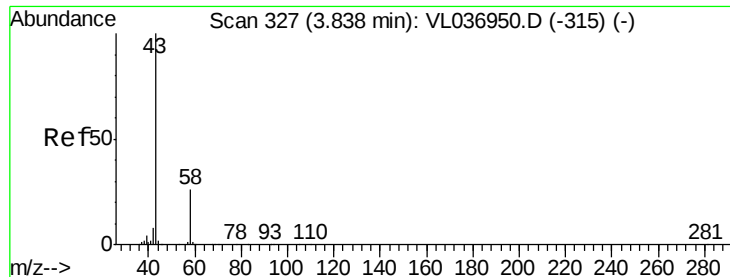
42 66.6 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 6.431 ppbv

RT: 3.84 min Scan# 326

Delta R.T. -0.00 min

Lab File: VL037012.D

Acq: 20 May 2021 4:20

Instrument :

MSVOA_L

ClientSampled :

KSV-05DL

Tot Ion: 43 Resp: 650230

Ion Ratio Lower Upper

43 100

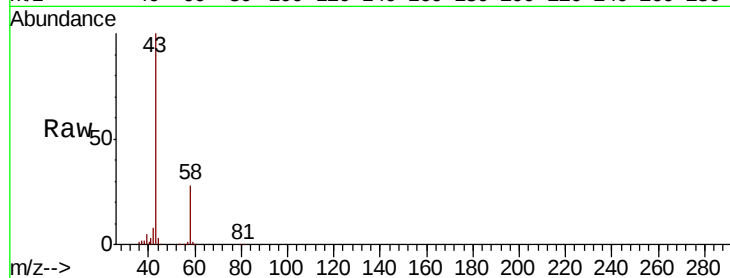
58 31.9 24.0 36.0

Manual Integrations

APPROVED

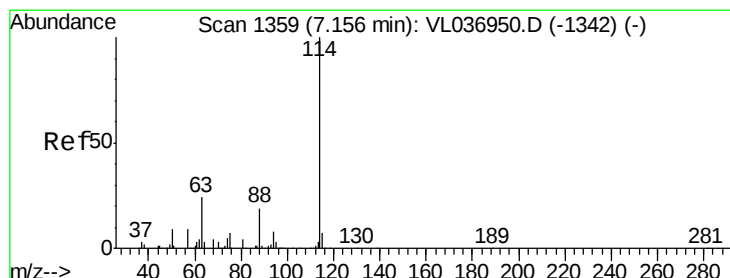
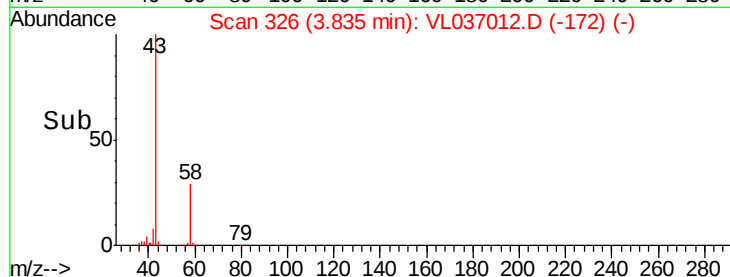
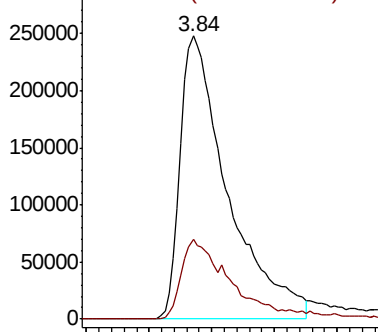
MMDadoda

5/24/2021 3:02:38 PM



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.14 min Scan# 1355

Delta R.T. -0.01 min

Lab File: VL037012.D

Acq: 20 May 2021 4:20

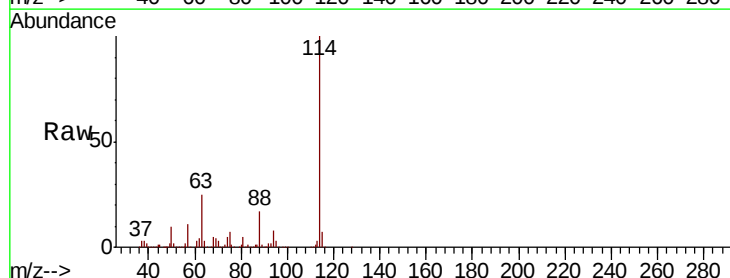
Tgt Ion: 114 Resp: 2934927

Ion Ratio Lower Upper

114 100

63 24.4 19.6 29.4

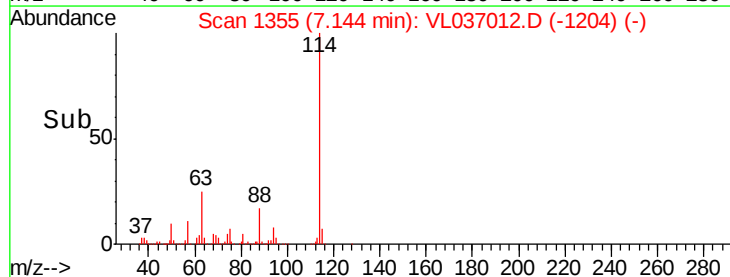
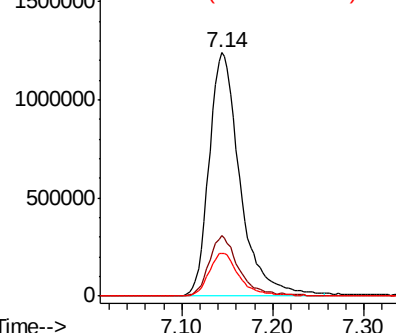
88 17.8 14.6 21.8

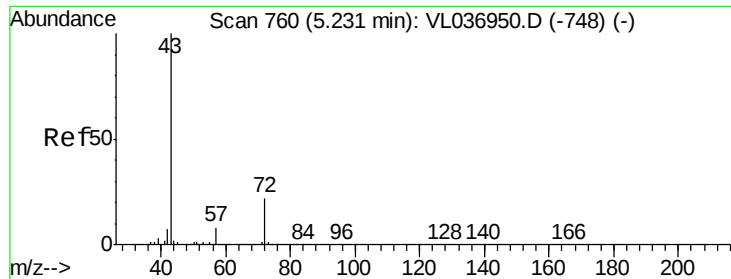


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





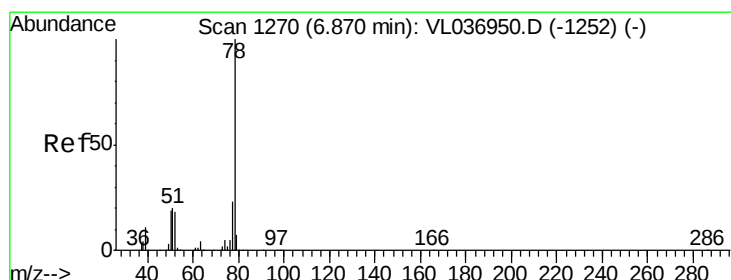
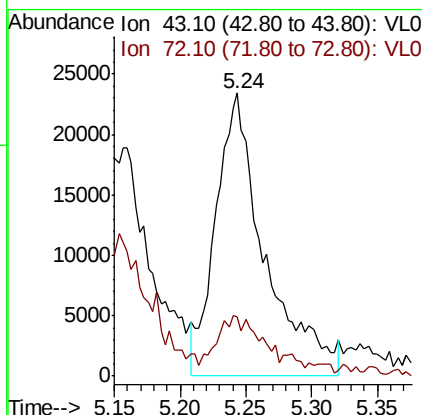
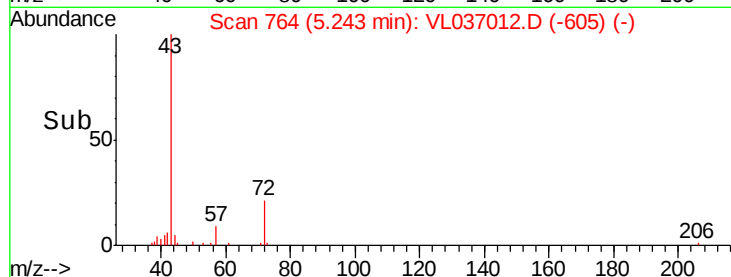
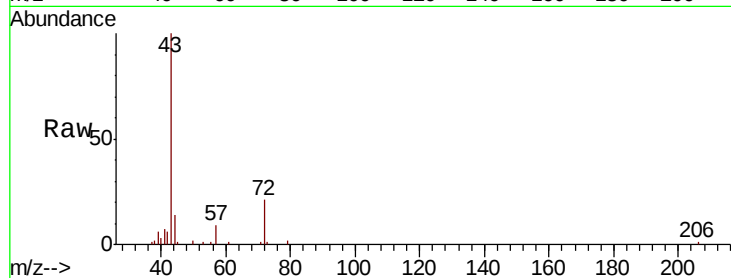
#34
2-Butanone
Concen: 0.570 ppbv m
RT: 5.24 min Scan# 764
Delta R.T. 0.01 min
Lab File: VL037012.D
Acq: 20 May 2021 4:20

Instrument :
MSVOA_L
ClientSampled :
KSV-05DL

Tot Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.0	28.4#

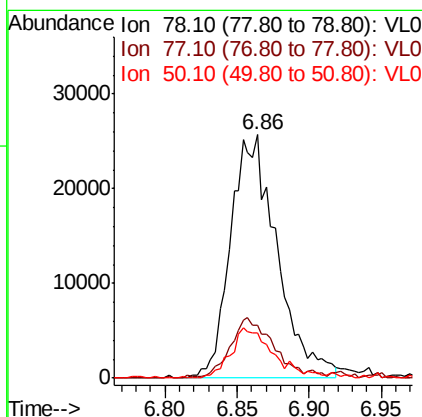
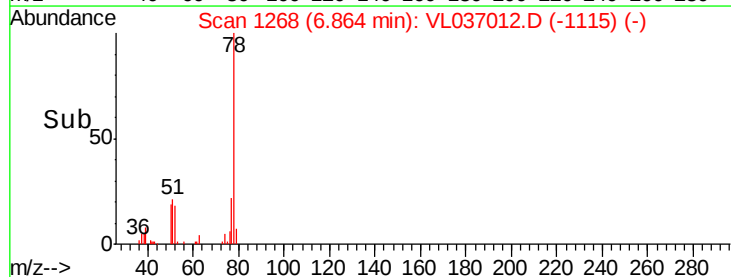
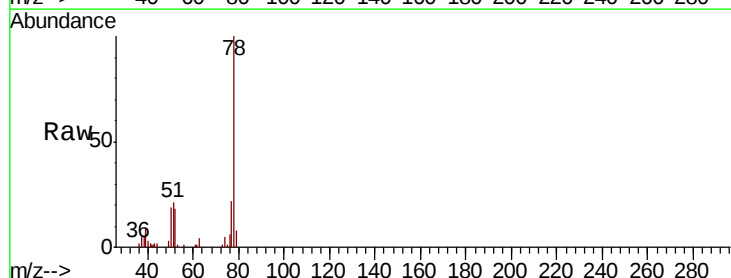
Manual Integrations
APPROVED

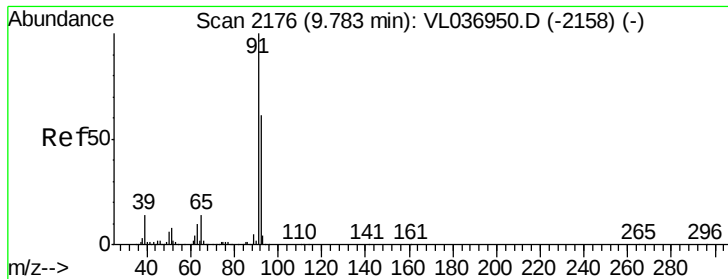
MMDadoda
5/24/2021 3:02:38 PM



#36
Benzene
Concen: 0.228 ppbv m
RT: 6.86 min Scan# 1268
Delta R.T. -0.01 min
Lab File: VL037012.D
Acq: 20 May 2021 4:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.0	18.6	28.0
50	18.6	15.0	22.4





#53

Toluene

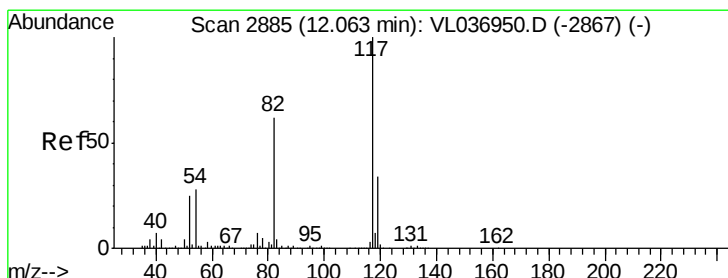
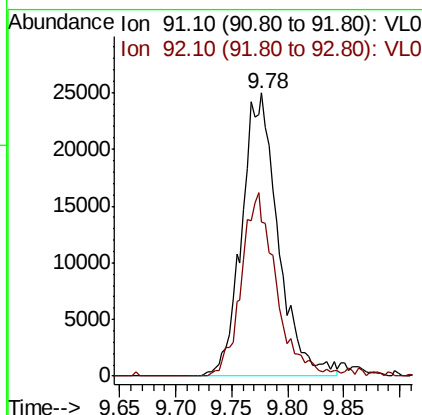
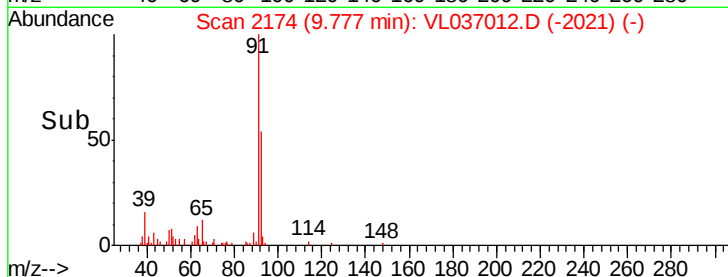
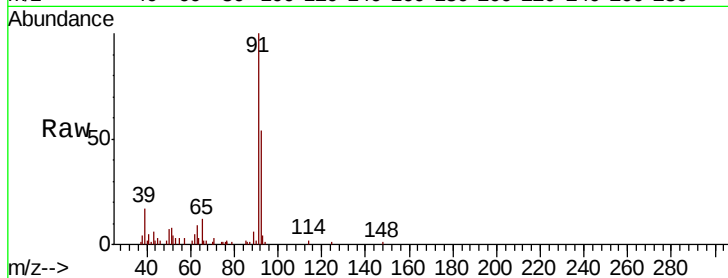
Concen: 0.187 ppbv m
RT: 9.78 min Scan# 2174
Delta R.T. -0.01 min
Lab File: VL037012.D
Acq: 20 May 2021 4:20

Instrument :
MSVOA_L
ClientSampleId :
KSV-05DL

Tot Ion	Ratio	Lower	Upper
91	100		
92	0.0	49.5	74.3#

Manual Integrations
APPROVED

MMDadoda
5/24/2021 3:02:38 PM

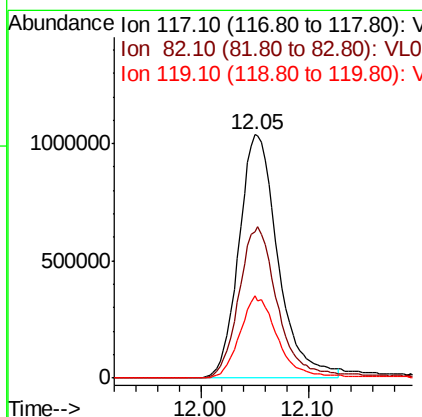
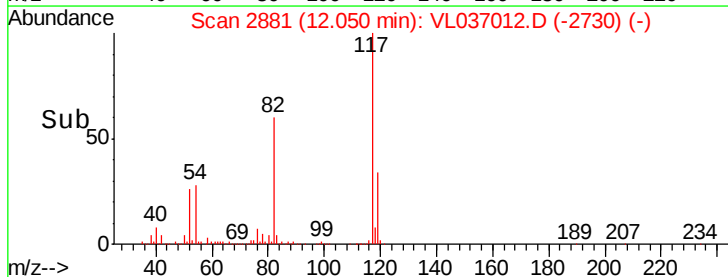
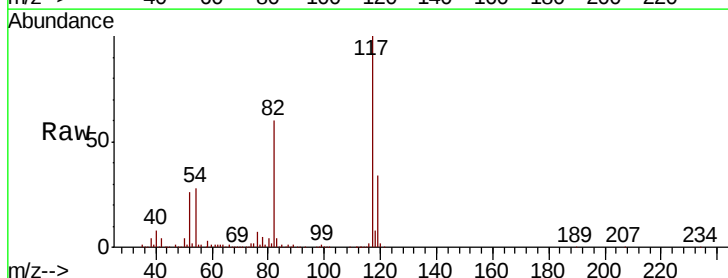


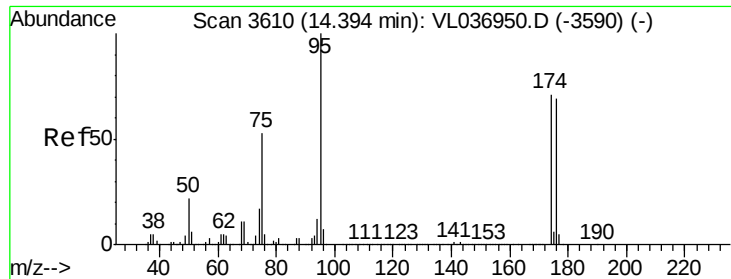
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
RT: 12.05 min Scan# 2881
Delta R.T. -0.01 min
Lab File: VL037012.D
Acq: 20 May 2021 4:20

Tgt Ion	Ratio	Lower	Upper
117	100		
82	63.9	52.6	79.0
119	33.5	46.6	70.0#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.955 ppbv
 RT: 14.38 min Scan# 3606
 Delta R.T. -0.01 min
 Lab File: VL037012.D
 Acq: 20 May 2021 4:20

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-05DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	77.2	58.4	87.6
175	5.6	4.4	6.6

Manual Integrations
 APPROVED

MMDadoda
 5/24/2021 3:02:38 PM

