

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062221\
 Data File : VL037225.D
 Acq On : 22 Jun 2021 20:30
 Operator : SY/AP
 Sample : M2807-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IAQ-01DL

Manual Integrations
 APPROVED

MMDadoda
 6/24/2021 4:33:04 PM

Quant Time: Jun 24 09:20:48 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 16 14:06:32 2021
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1556728	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4523558	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4022349	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2974958	9.76	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	237112m	2.450	ppbv	
10) Heptane	8.13	43	36879m	0.157	ppbv	
13) Ethanol	3.62	45	258266m	17.250	ppbv	
15) Acetone	3.86	43	889952	5.070	ppbv	96
26) Hexane	5.69	57	143511	0.747	ppbv #	61
30) Cyclohexane	7.13	84	17474	0.109	ppbv #	19
34) 2-Butanone	5.26	43	46629m	0.265	ppbv	
53) Toluene	9.81	91	88712m	0.203	ppbv	
59) m/p-Xylene	12.98	91	173141m	0.369	ppbv	
60) o-Xylene	13.70	91	59601m	0.133	ppbv	

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

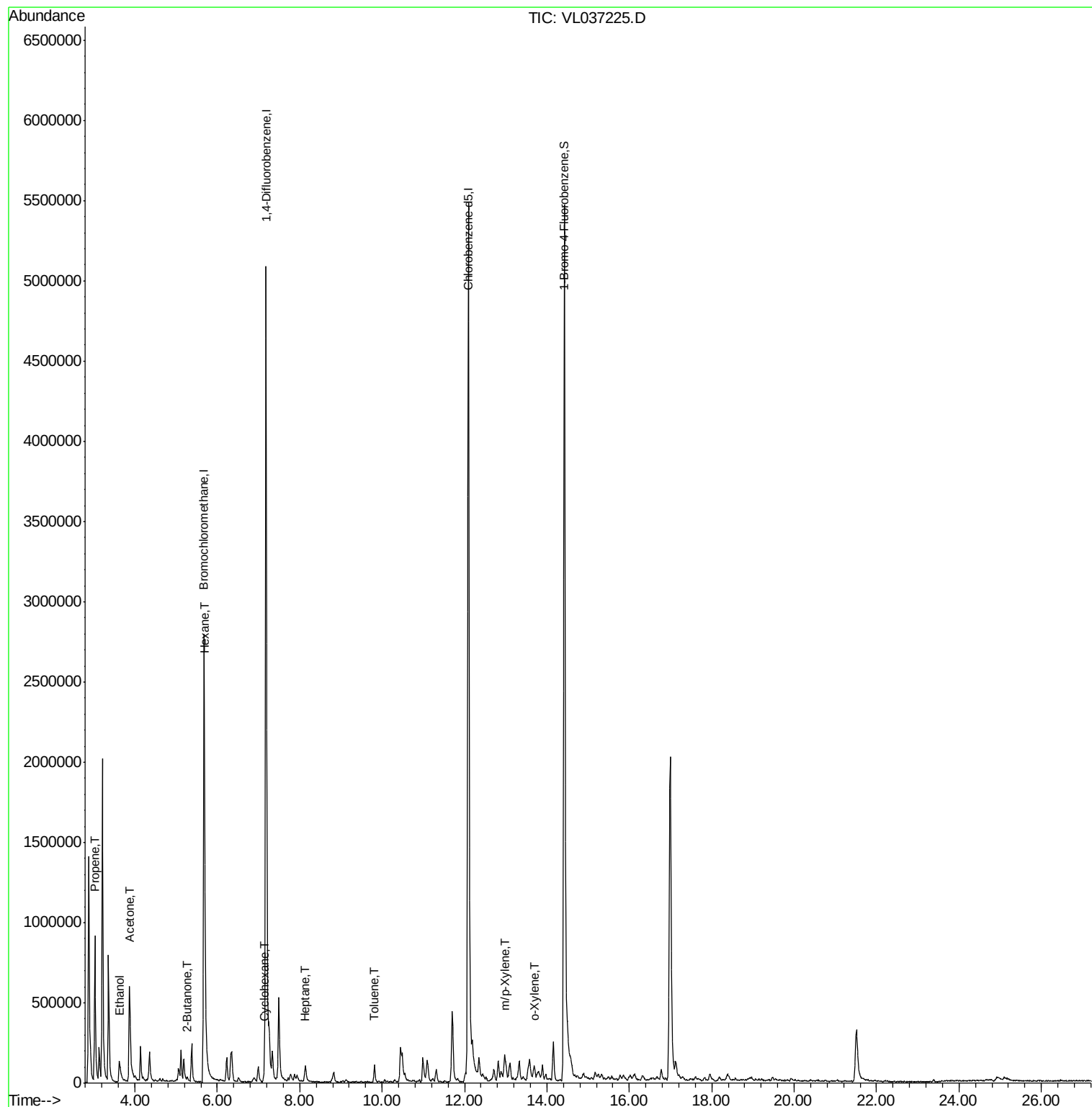
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL062221\
Data File : VL037225.D
Acq On : 22 Jun 2021 20:30
Operator : SY/AP
Sample : M2807-03DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

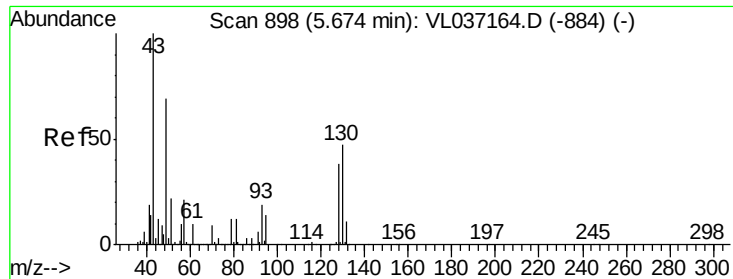
Instrument :
MSVOA_L
ClientSampleId :
IAQ-01DL

Manual Integrations
APPROVED

MMDadoda
6/24/2021 4:33:04 PM

Quant Time: Jun 24 09:20:48 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun
QLast Update : Wed Jun 16 14:06:32 2021
Response via : Initial Calibration





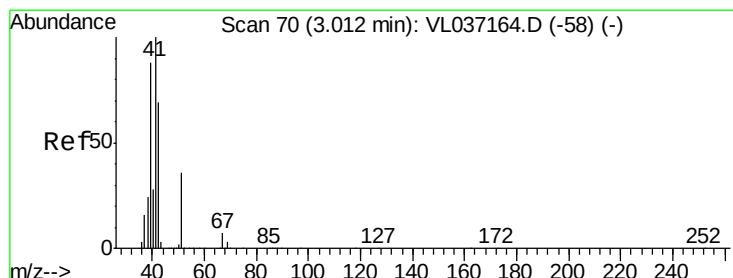
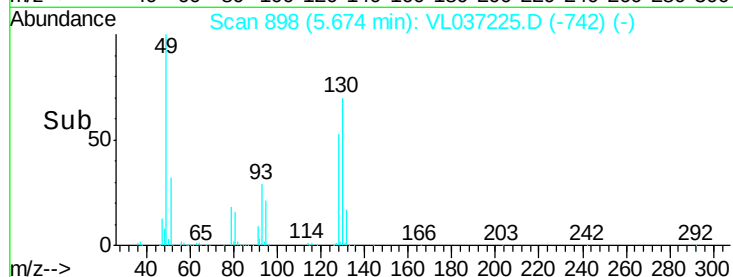
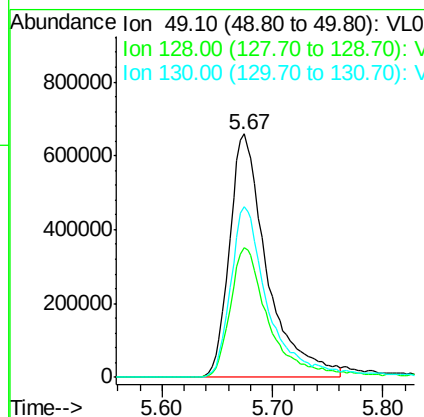
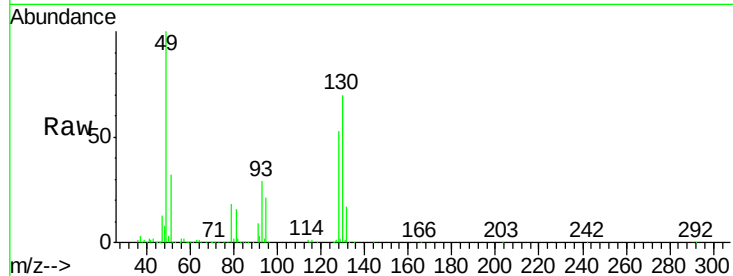
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL037225.D
Acq: 22 Jun 2021 20:30

Instrument :
MSVOA_L
ClientSampleId :
IAQ-01DL

Tot Ion: 49 Resp: 1556728
Ion Ratio Lower Upper
49 100
128 57.3 29.3 88.0
130 71.7 35.9 107.8

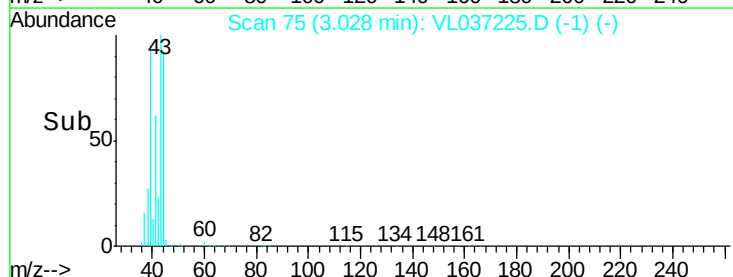
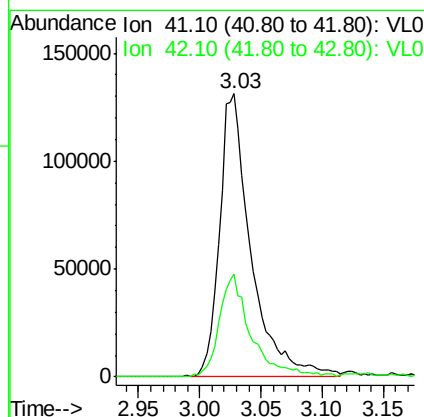
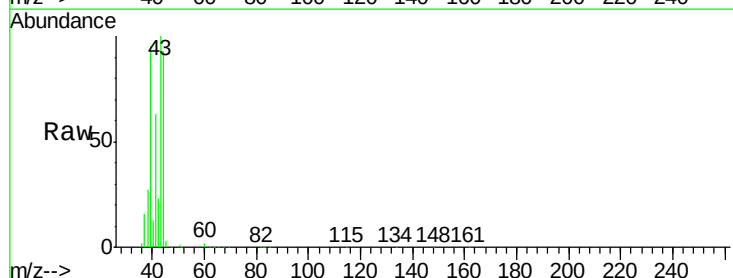
Manual Integrations
APPROVED

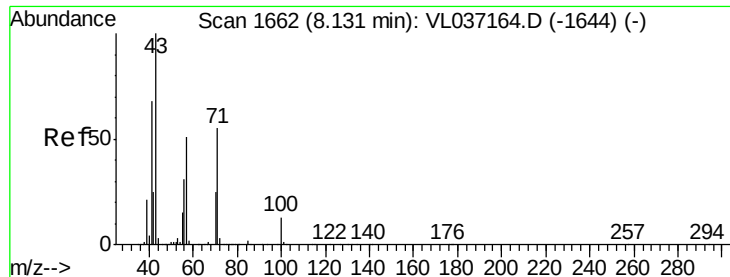
MMDadoda
6/24/2021 4:33:04 PM



#9
Propene
Concen: 2.450 ppbv m
RT: 3.03 min Scan# 75
Delta R.T. 0.02 min
Lab File: VL037225.D
Acq: 22 Jun 2021 20:30

Tgt Ion: 41 Resp: 237112
Ion Ratio Lower Upper
41 100
42 201.8 54.5 81.7#





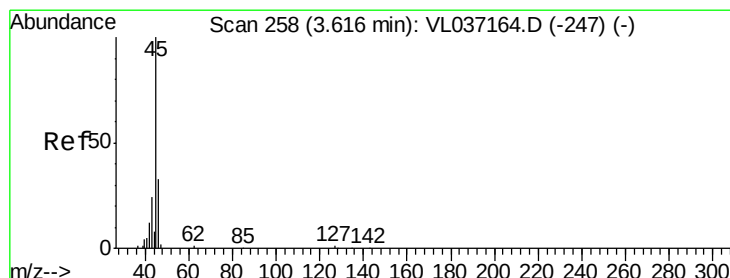
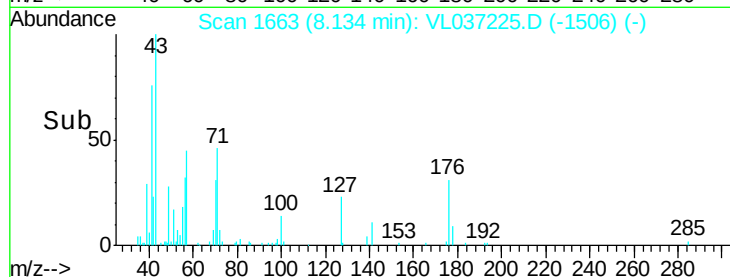
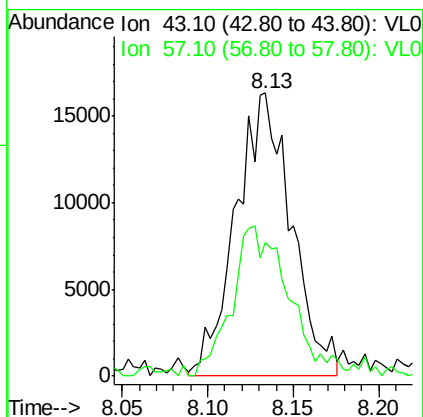
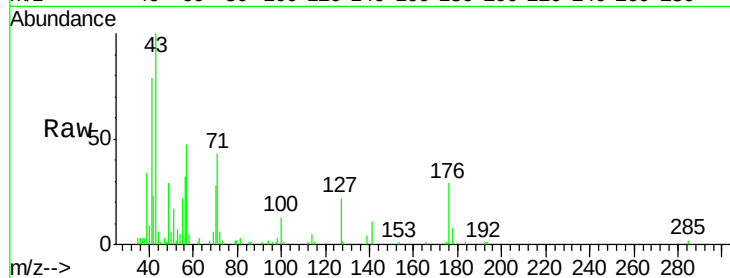
#10
Heptane
Concen: 0.157 ppbv m
RT: 8.13 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VL037225.D
Acq: 22 Jun 2021 20:30

Instrument :
MSVOA_L
ClientSampleId :
IAQ-01DL

Tot Ion: 43 Resp: 36879
Ion Ratio Lower Upper
43 100
57 58.4 40.6 61.0

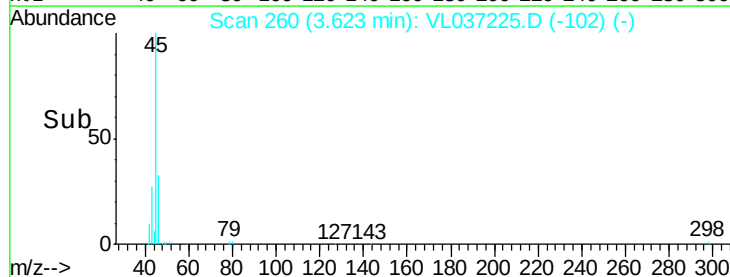
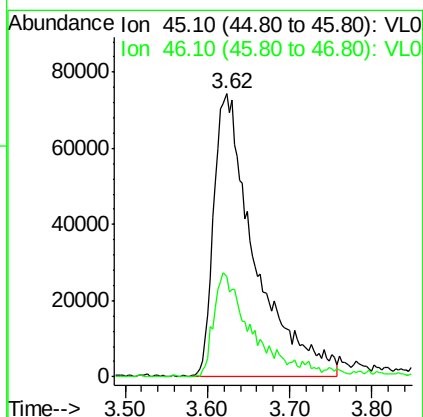
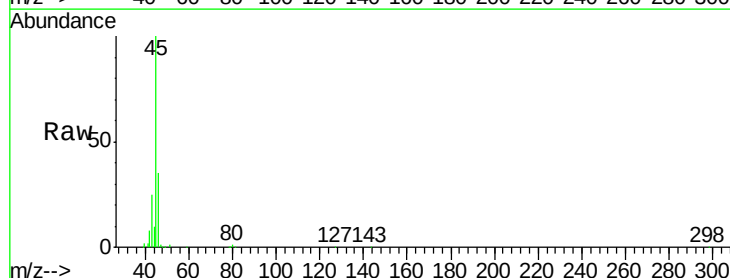
Manual Integrations
APPROVED

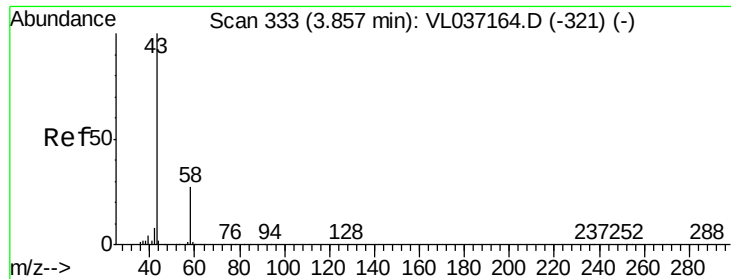
MMDadoda
6/24/2021 4:33:04 PM



#13
Ethanol
Concen: 17.250 ppbv m
RT: 3.62 min Scan# 260
Delta R.T. 0.01 min
Lab File: VL037225.D
Acq: 22 Jun 2021 20:30

Tgt Ion: 45 Resp: 258266
Ion Ratio Lower Upper
45 100
46 36.0 34.2 137.0





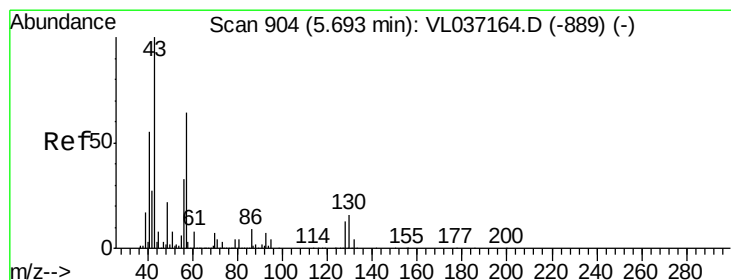
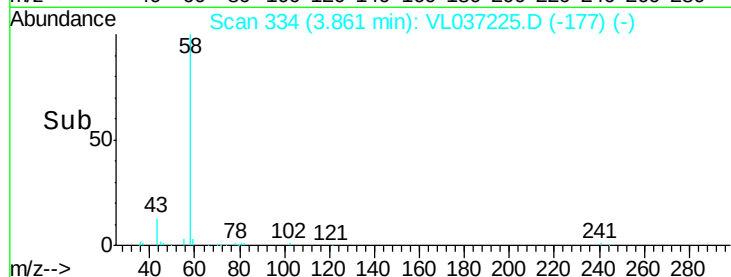
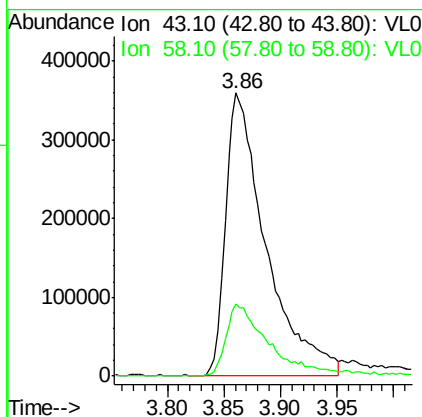
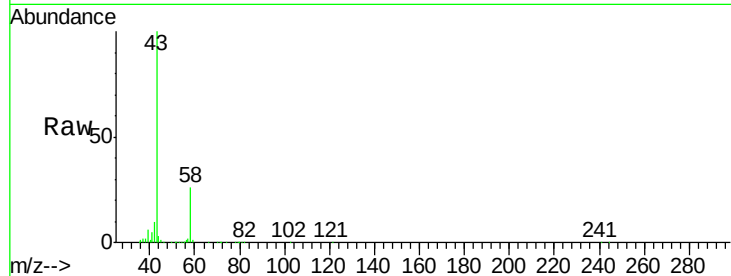
#15
Acetone
Concen: 5.070 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.00 min
Lab File: VL037225.D
Acq: 22 Jun 2021 20:30

Instrument :
MSVOA_L
ClientSampleId :
IAQ-01DL

Tot Ion	Ratio	Lower	Upper
43	100		
58	27.2	23.7	35.5

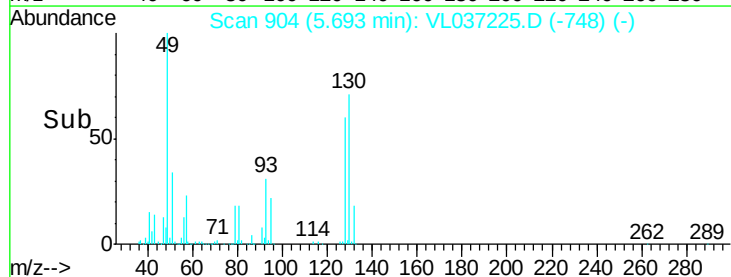
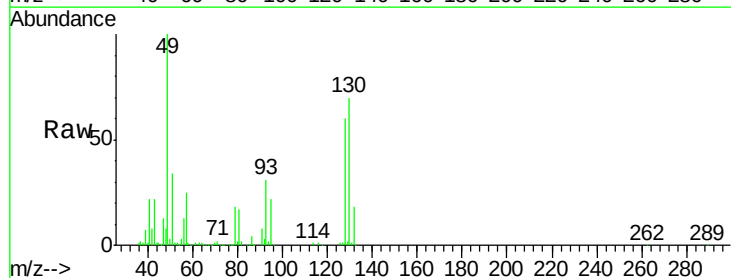
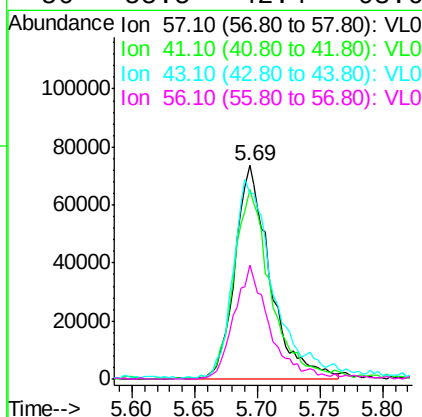
Manual Integrations
APPROVED

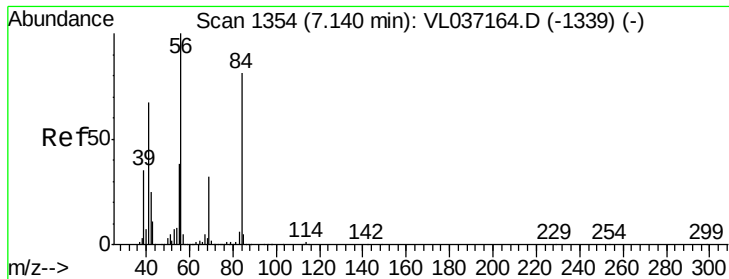
MMDadoda
6/24/2021 4:33:04 PM



#26
Hexane
Concen: 0.747 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.00 min
Lab File: VL037225.D
Acq: 22 Jun 2021 20:30

Tgt Ion	Ratio	Lower	Upper
57	100		
41	96.7	73.5	110.3
43	113.6	170.7	256.1
56	55.5	42.4	63.6





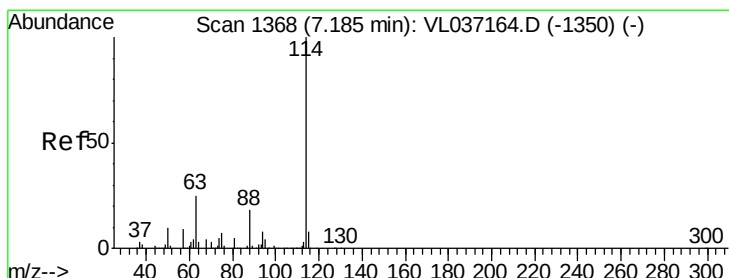
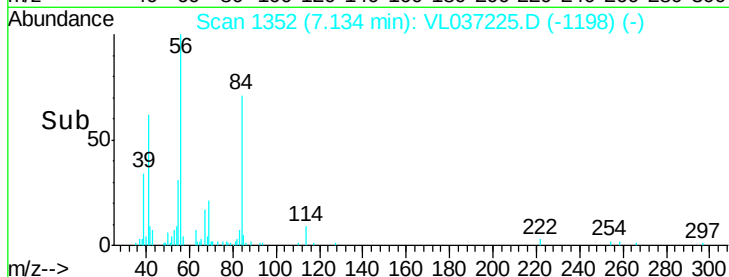
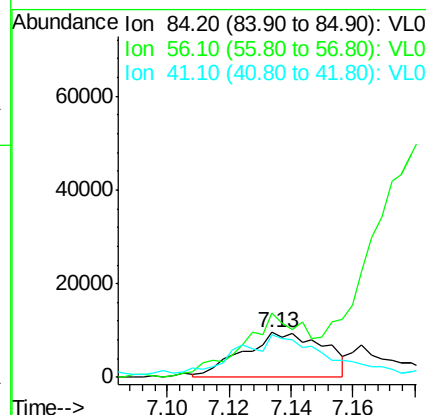
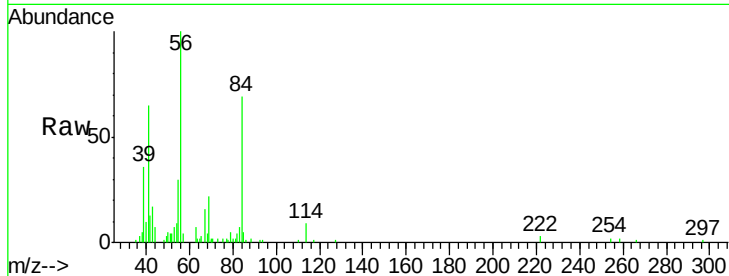
#30
Cyclohexane
Concen: 0.109 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL037225.D
Acq: 22 Jun 2021 20:30

Instrument :
MSVOA_L
ClientSampleId :
IAQ-01DL

Tot Ion	Ratio	Lower	Upper
84	100		
56	0.0	107.7	161.5#
41	115.0	69.0	103.6#

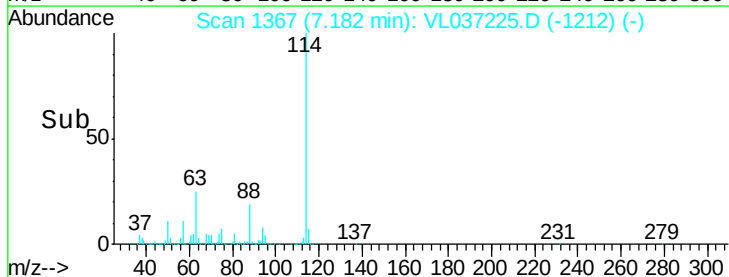
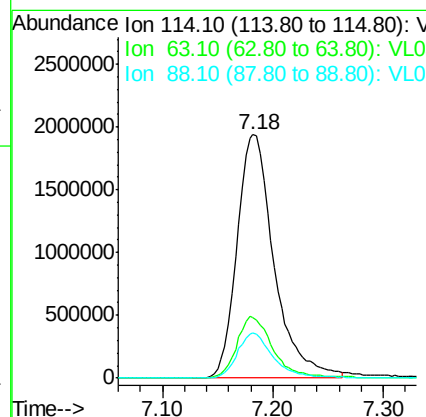
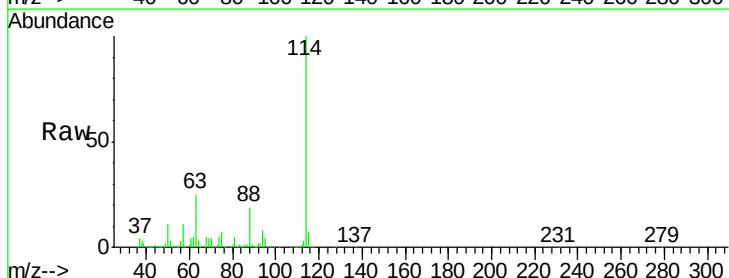
Manual Integrations
APPROVED

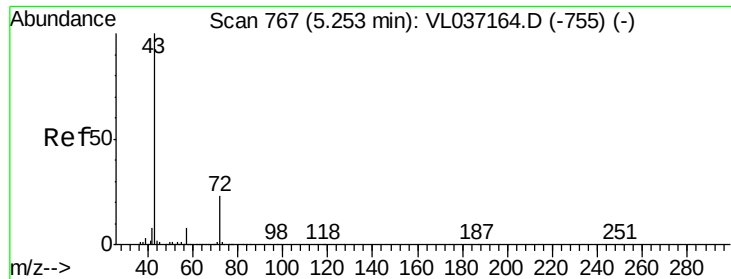
MMDadoda
6/24/2021 4:33:04 PM



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VL037225.D
Acq: 22 Jun 2021 20:30

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.1	19.6	29.4
88	18.2	14.2	21.2





#34

2-Butanone

Concen: 0.265 ppbv m

RT: 5.26 min Scan# 770

Delta R.T. 0.01 min

Lab File: VL037225.D

Acq: 22 Jun 2021 20:30

Instrument :

MSVOA_L

ClientSampled :

IAQ-01DL

Tot Ion: 43 Resp: 46629

Ion Ratio Lower Upper

43 100

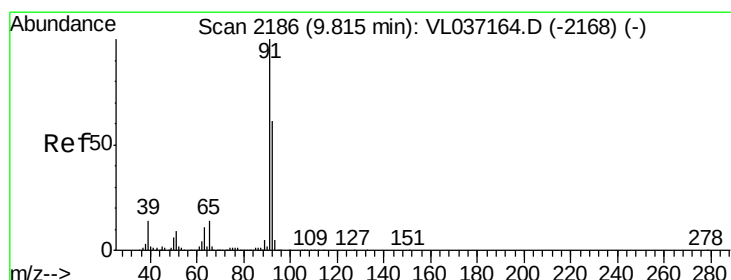
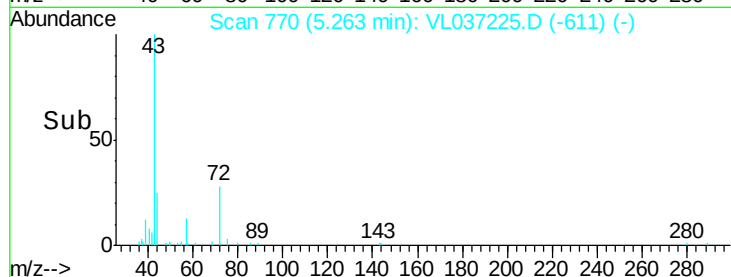
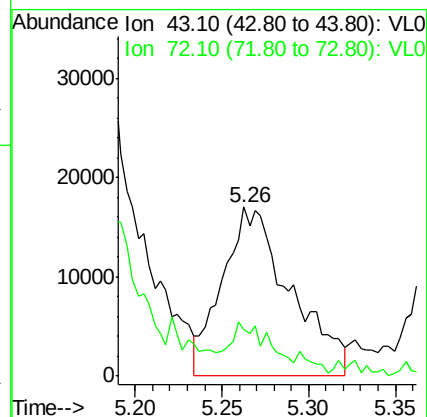
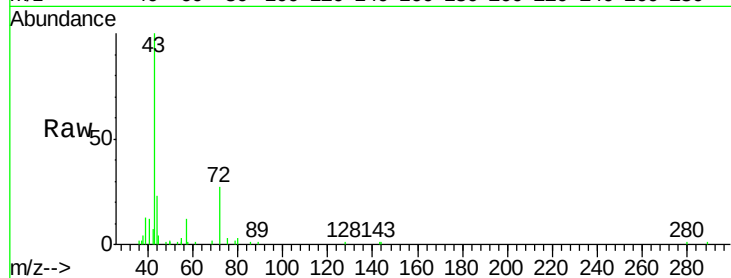
72 27.4 18.9 28.3

Manual Integrations

APPROVED

MMDadoda

6/24/2021 4:33:04 PM



#53

Toluene

Concen: 0.203 ppbv m

RT: 9.81 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VL037225.D

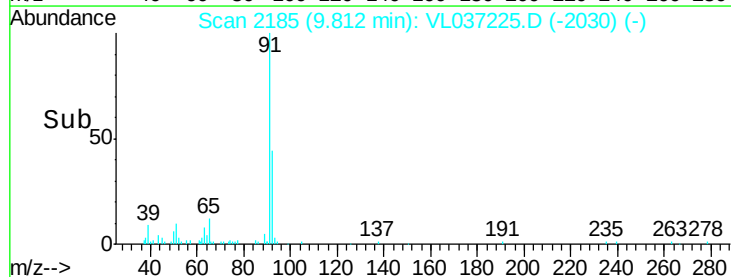
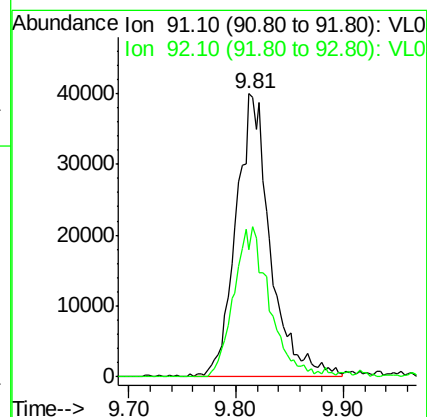
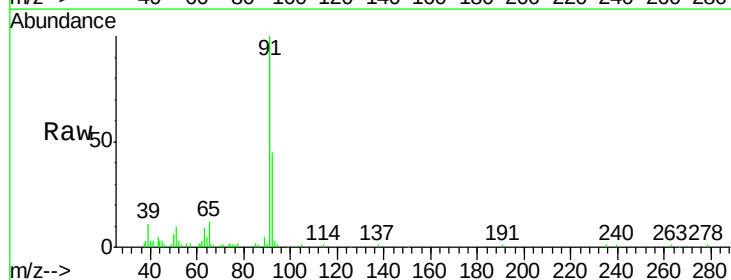
Acq: 22 Jun 2021 20:30

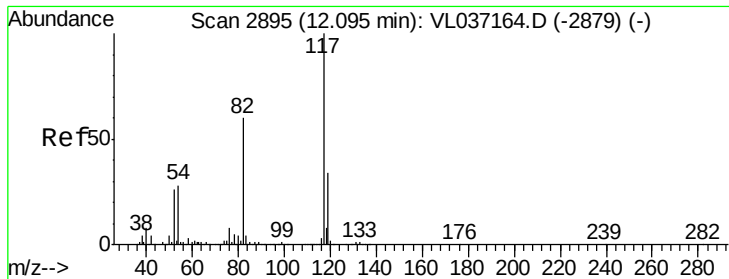
Tgt Ion: 91 Resp: 88712

Ion Ratio Lower Upper

91 100

92 55.7 48.3 72.5





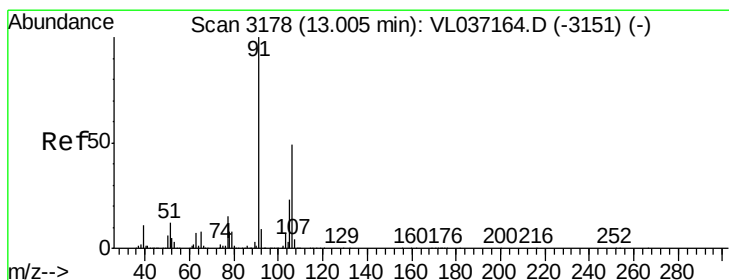
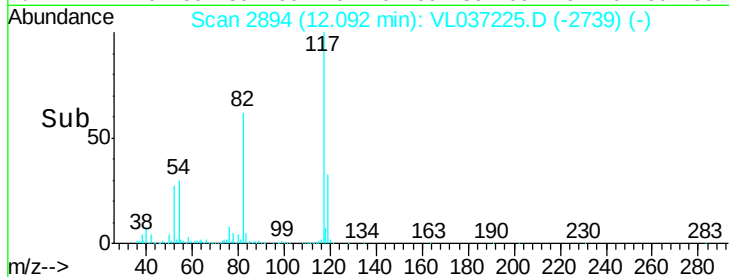
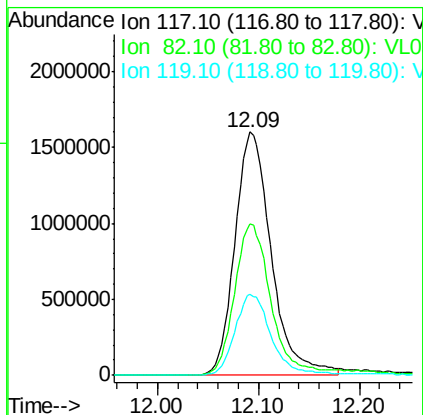
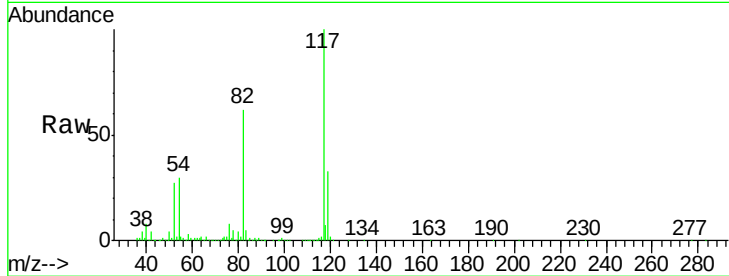
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL037225.D
Acq: 22 Jun 2021 20:30

Instrument :
MSVOA_L
ClientSampleId :
IAQ-01DL

Tot Ion:117 Resp: 4022349
Ion Ratio Lower Upper
117 100
82 65.0 51.7 77.5
119 34.3 47.6 71.4#

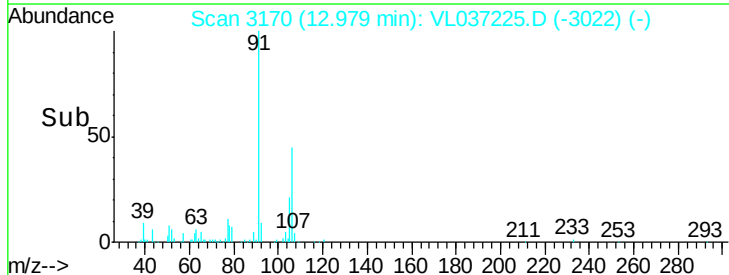
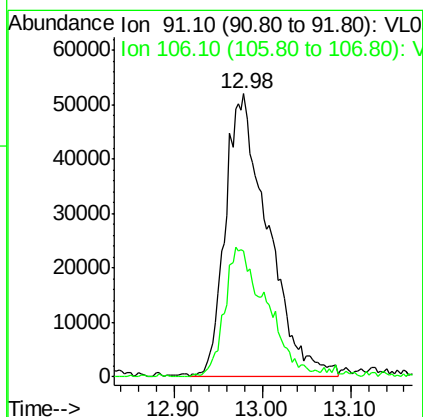
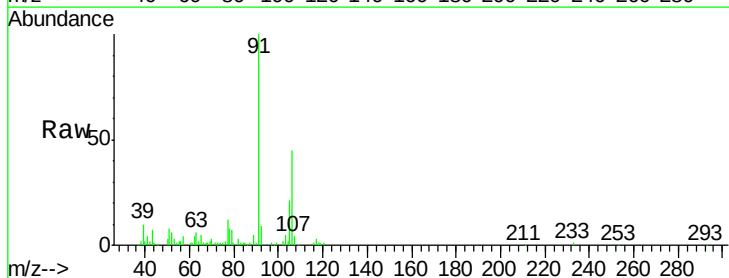
Manual Integrations
APPROVED

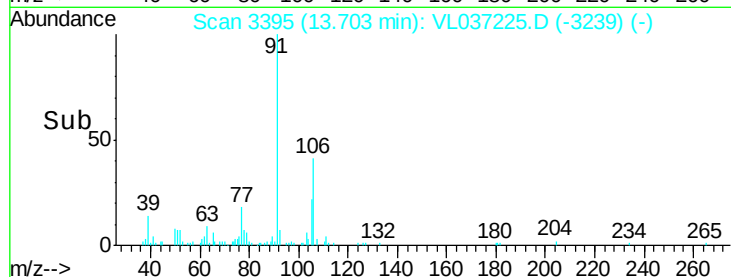
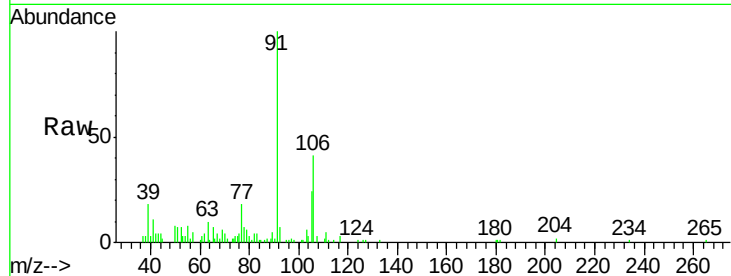
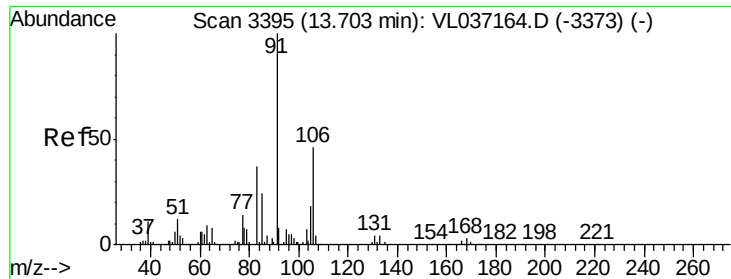
MMDadoda
6/24/2021 4:33:04 PM



#59
m/p-Xylene
Concen: 0.369 ppbv m
RT: 12.98 min Scan# 3170
Delta R.T. -0.03 min
Lab File: VL037225.D
Acq: 22 Jun 2021 20:30

Tgt Ion: 91 Resp: 173141
Ion Ratio Lower Upper
91 100
106 0.0 37.0 55.4#





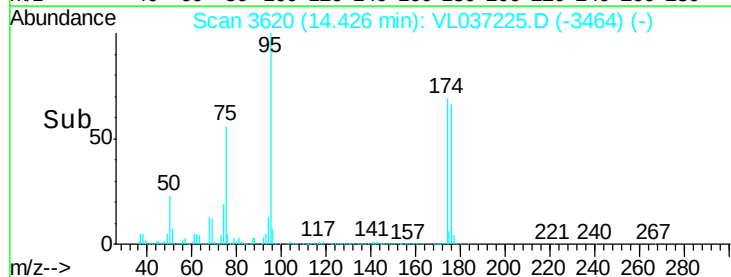
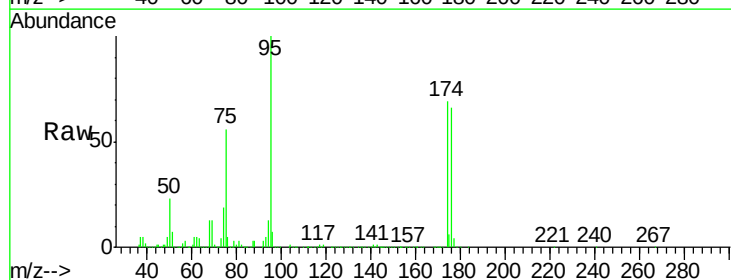
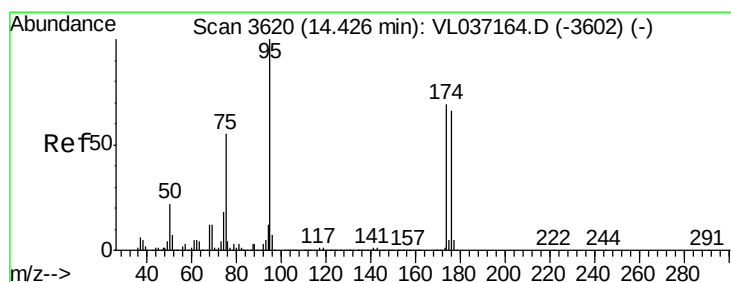
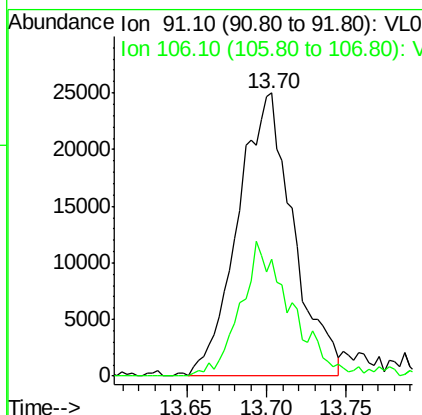
#60
o-Xylene
Concen: 0.133 ppbv m
RT: 13.70 min Scan# 3395
Delta R.T. 0.00 min
Lab File: VL037225.D
Acq: 22 Jun 2021 20:30

Tot Ion: 91 Resp: 59601
Ion Ratio Lower Upper
91 100
106 0.0 23.0 69.0#

Instrument :
MSVOA_L
ClientSampleId :
IAQ-01DL

Manual Integrations
APPROVED

MMDadoda
6/24/2021 4:33:04 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 9.760 ppbv
RT: 14.43 min Scan# 3620
Delta R.T. 0.00 min
Lab File: VL037225.D
Acq: 22 Jun 2021 20:30

Tgt Ion: 95 Resp: 2974958
Ion Ratio Lower Upper
95 100
174 73.6 57.0 85.4
175 5.3 4.4 6.6

