

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040521\
 Data File : VL036685.D
 Acq On : 5 Apr 2021 23:11
 Operator : SY/AP
 Sample : M1945-02 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Manual Integrations
 APPROVED

MMDadoda
 4/6/2021 5:14:11 PM

Quant Time: Apr 06 14:41:18 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1281859	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3217410	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3005108	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2364898	9.87	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) Heptane	8.12	43	22029m	0.113	ppbv	
13) Ethanol	3.63	45	19457m	2.140	ppbv	
15) Acetone	3.86	43	387814	3.074	ppbv	94
20) Methylene Chloride	4.35	84	30301	0.513	ppbv #	86
26) Hexane	5.69	57	289822	2.082	ppbv #	48
29) Chloroform	5.75	83	22993m	0.103	ppbv	
34) 2-Butanone	5.27	43	34829m	0.222	ppbv	
53) Toluene	9.81	91	67015	0.212	ppbv	95
58) Ethyl Benzene	12.71	91	47501m	0.109	ppbv	
59) m/p-Xylene	12.97	91	102278m	0.268	ppbv	
60) o-Xylene	13.69	91	61162m	0.166	ppbv	

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

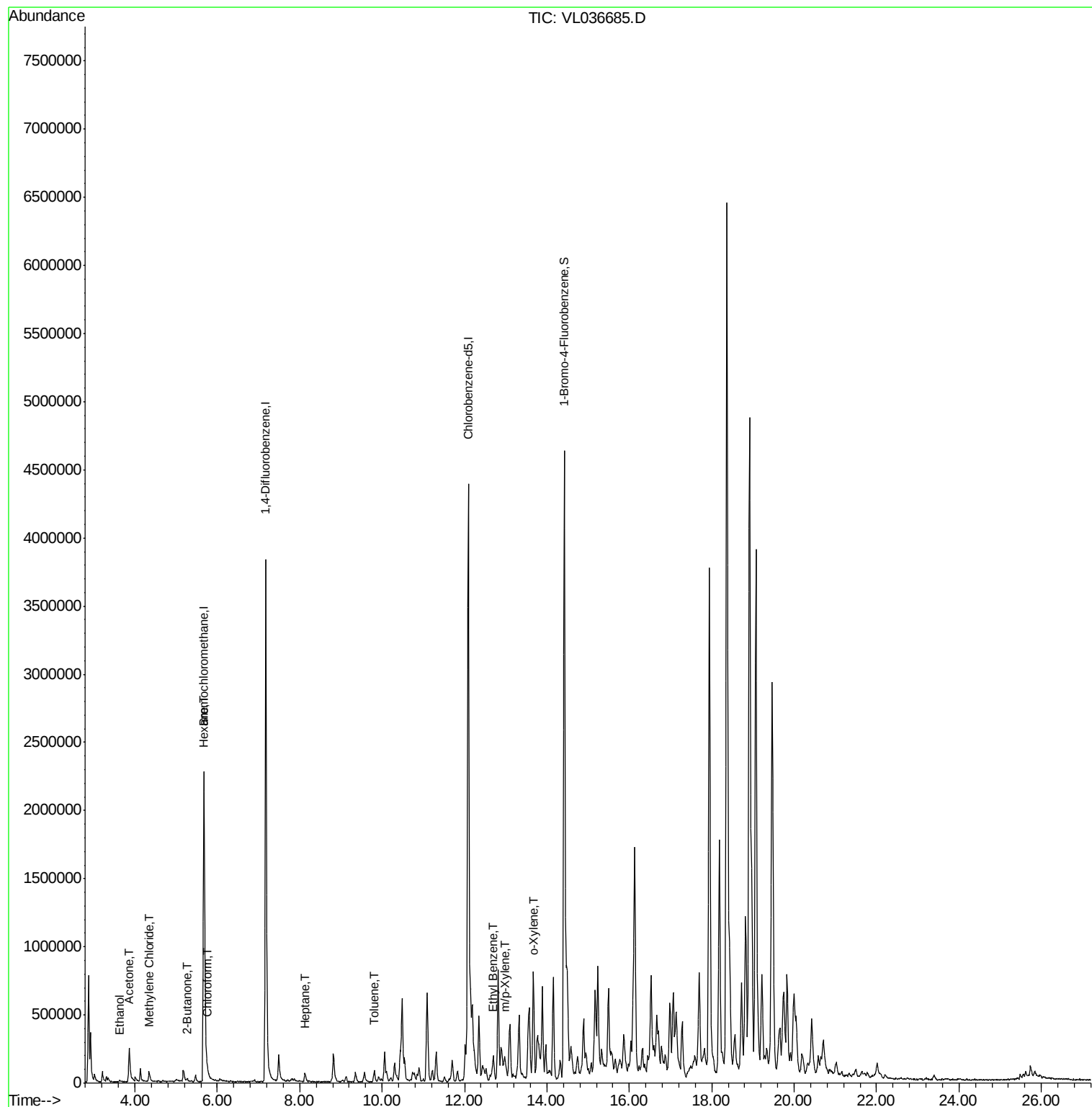
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040521\
Data File : VL036685.D
Acq On : 5 Apr 2021 23:11
Operator : SY/AP
Sample : M1945-02 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Manual Integrations
APPROVED

MMDadoda
4/6/2021 5:14:11 PM

Quant Time: Apr 06 14:41:18 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.00 min

Lab File: VL036685.D

Acq: 5 Apr 2021 23:11

Instrument :

MSVOA_L

ClientSampled :

SV2DL

Tot Ion: 49 Resp: 1281859

Ion Ratio Lower Upper

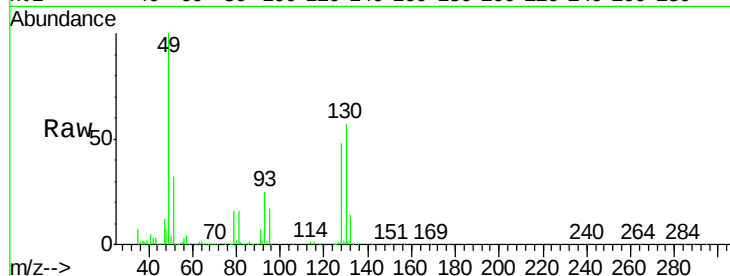
49 100

128 48.2 23.5 70.6

130 61.1 29.1 87.4

Manual Integrations
APPROVED

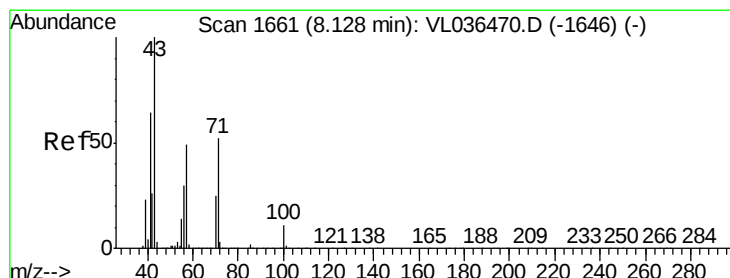
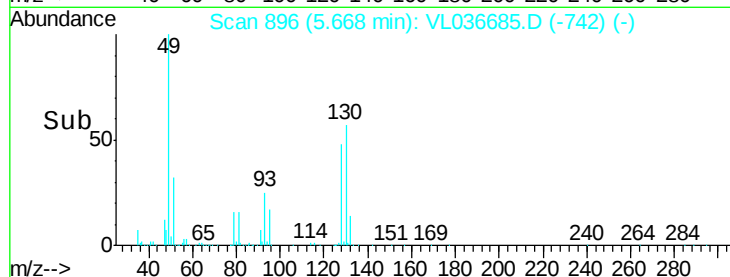
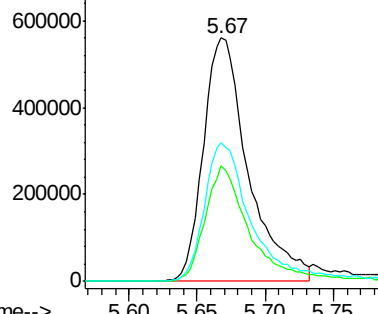
MMDadoda
4/6/2021 5:14:11 PM



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



#10

Heptane

Concen: 0.113 ppbv m

RT: 8.12 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VL036685.D

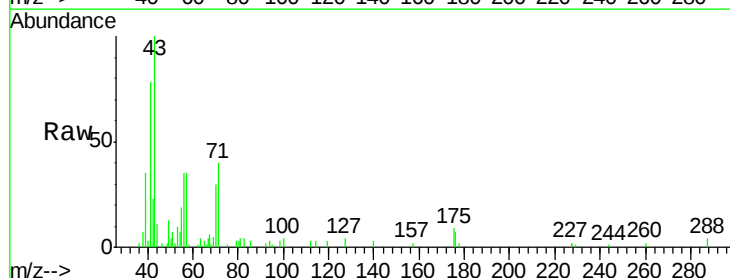
Acq: 5 Apr 2021 23:11

Tgt Ion: 43 Resp: 22029

Ion Ratio Lower Upper

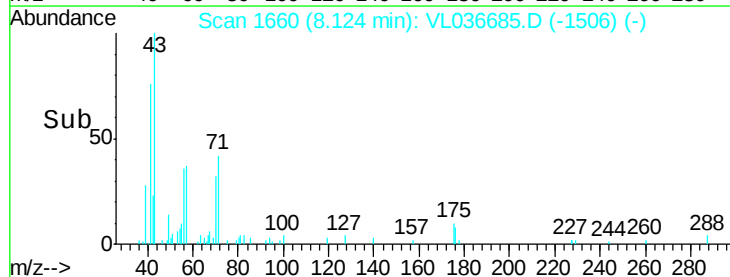
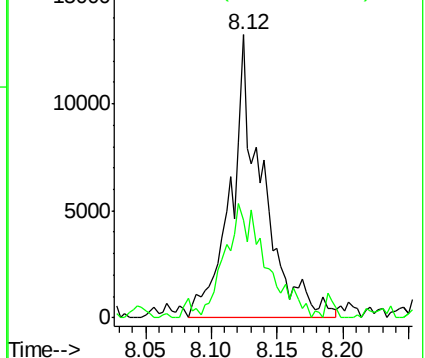
43 100

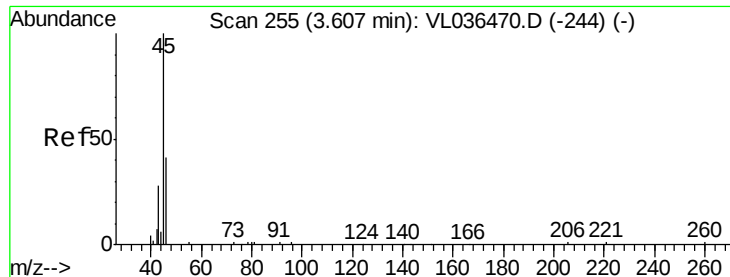
57 56.5 39.0 58.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





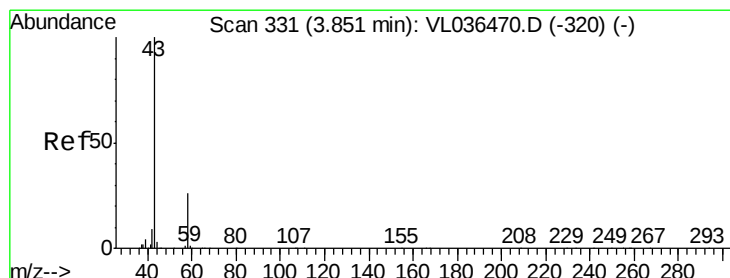
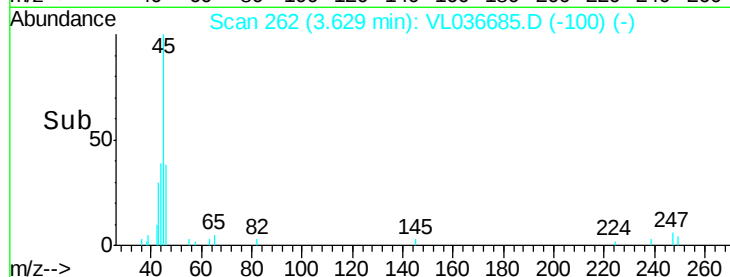
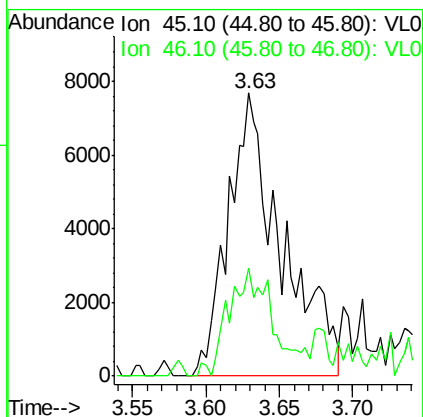
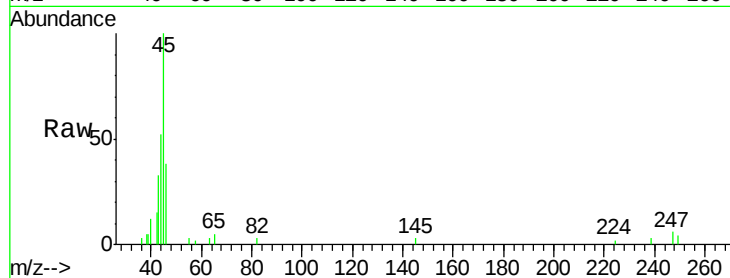
#13
Ethanol
Concen: 2.140 ppbv m
RT: 3.63 min Scan# 262
Delta R.T. 0.02 min
Lab File: VL036685.D
Acq: 5 Apr 2021 23:11

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tot Ion: 45 Resp: 19457
Ion Ratio Lower Upper
45 100
46 0.0 16.6 66.2#

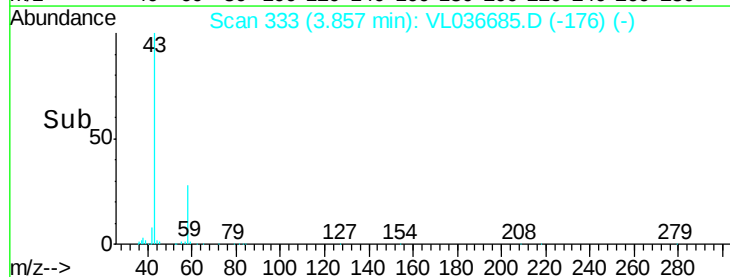
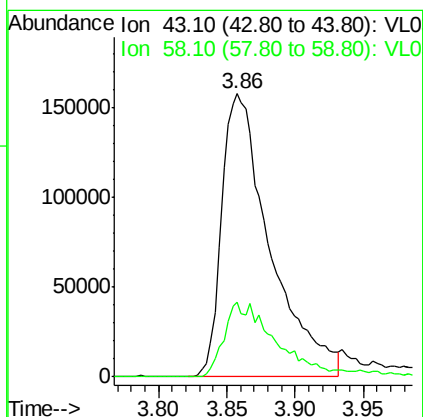
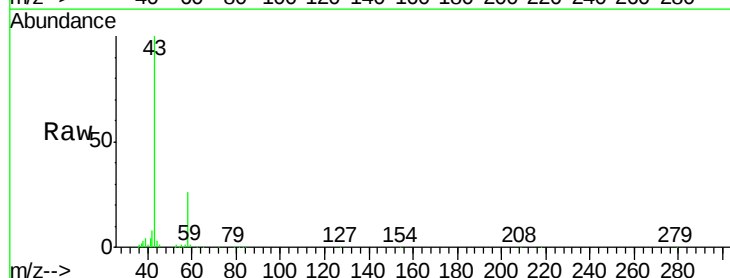
Manual Integrations
APPROVED

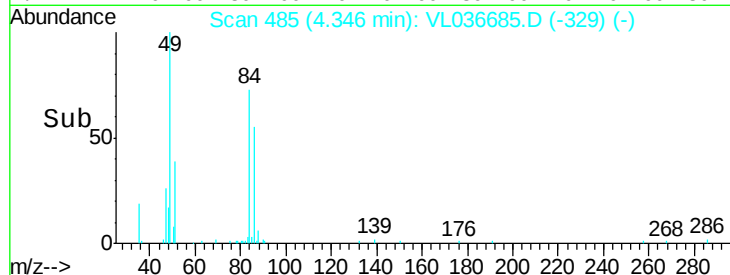
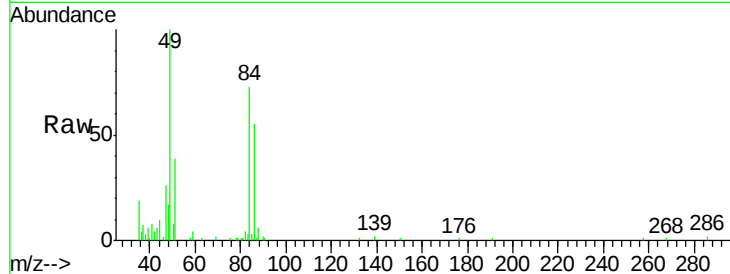
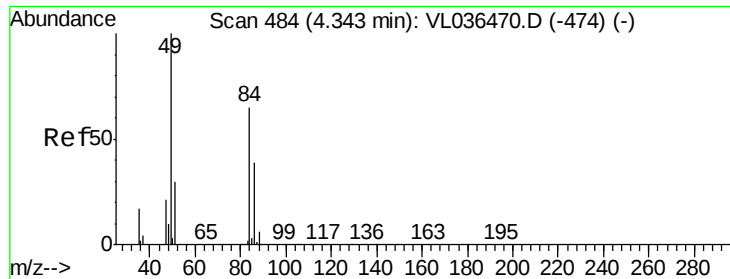
MMDadoda
4/6/2021 5:14:11 PM



#15
Acetone
Concen: 3.074 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.01 min
Lab File: VL036685.D
Acq: 5 Apr 2021 23:11

Tgt Ion: 43 Resp: 387814
Ion Ratio Lower Upper
43 100
58 29.7 21.2 31.8





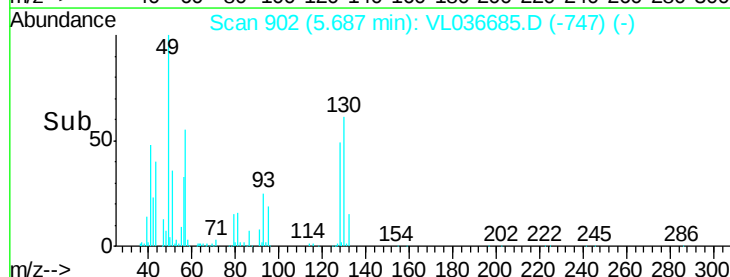
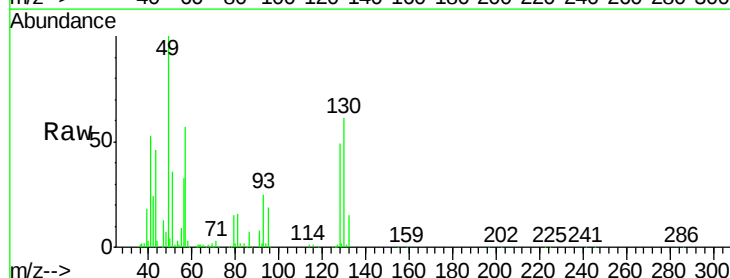
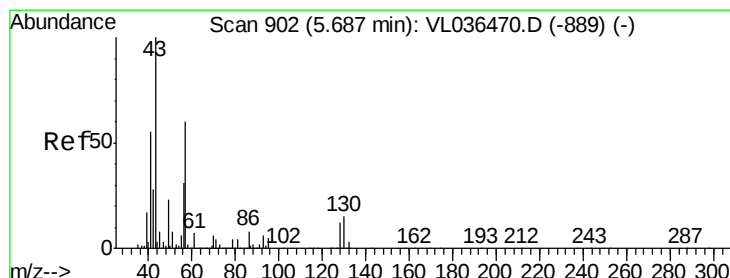
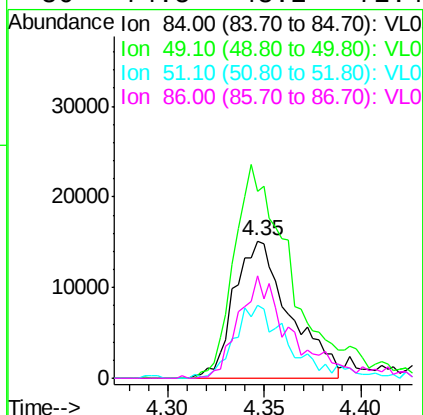
#20
Methvlene Chloride
Concen: 0.513 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.00 min
Lab File: VL036685.D
Acq: 5 Apr 2021 23:11

Tot Ion	Ratio	Lower	Upper
84	100		
49	136.5	122.9	184.3
51	53.3	36.9	55.3
86	74.5	48.2	72.4

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

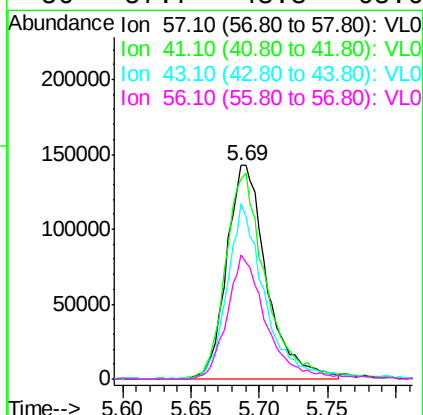
Manual Integrations
APPROVED

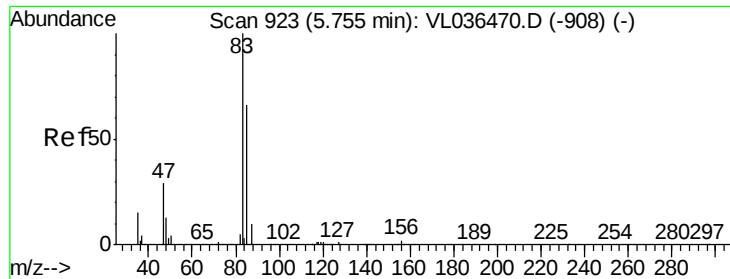
MMDadoda
4/6/2021 5:14:11 PM



#26
Hexane
Concen: 2.082 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL036685.D
Acq: 5 Apr 2021 23:11

Tgt Ion	Ratio	Lower	Upper
57	100		
41	98.4	77.2	115.8
43	78.5	173.8	260.6
56	57.7	43.8	65.6





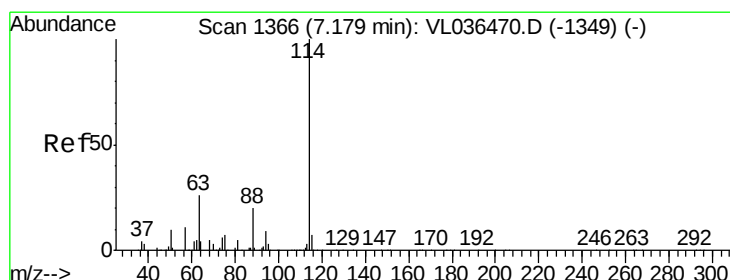
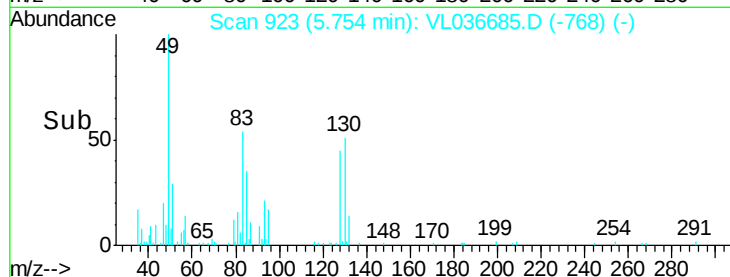
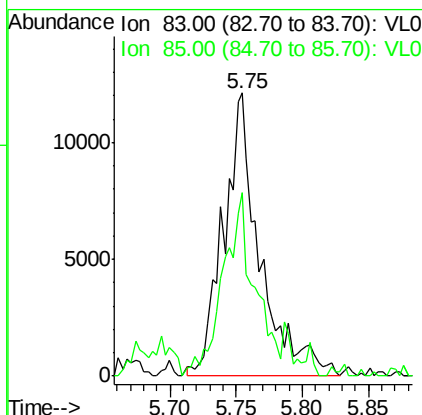
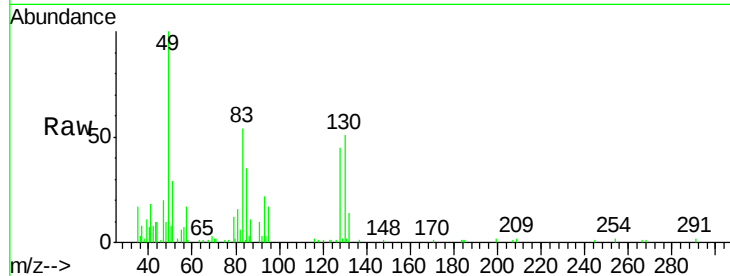
#29
Chloroform
Concen: 0.103 ppbv m
RT: 5.75 min Scan# 923
Delta R.T. -0.00 min
Lab File: VL036685.D
Acq: 5 Apr 2021 23:11

Instrument :
MSVOA_L
ClientSampled :
SV2DL

Tot Ion: 83 Resp: 22993
Ion Ratio Lower Upper
83 100
85 64.9 52.6 78.8

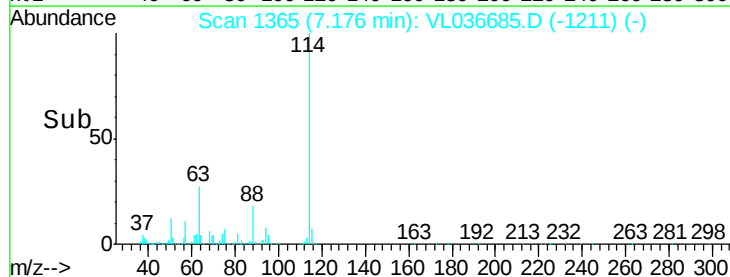
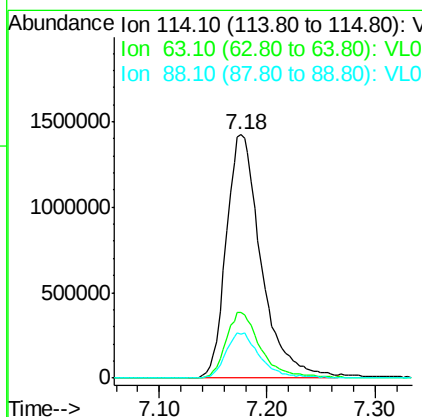
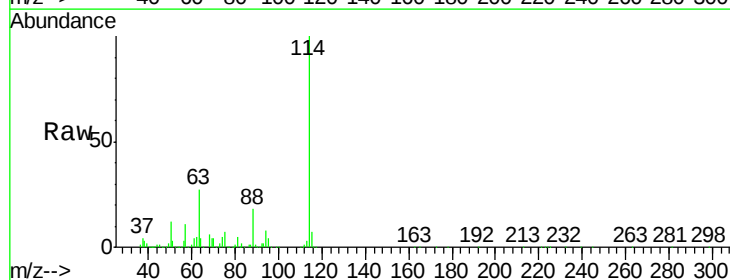
Manual Integrations
APPROVED

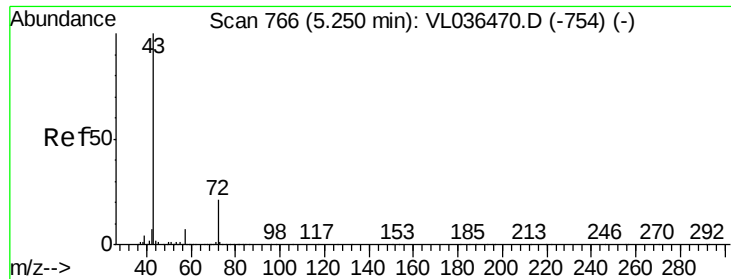
MMDadoda
4/6/2021 5:14:11 PM



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VL036685.D
Acq: 5 Apr 2021 23:11

Tgt Ion: 114 Resp: 3217410
Ion Ratio Lower Upper
114 100
63 27.2 22.4 33.6
88 18.6 15.4 23.0





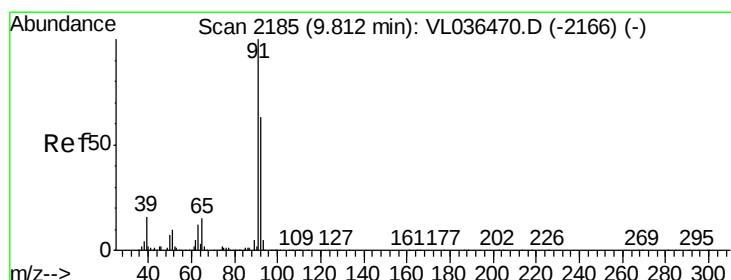
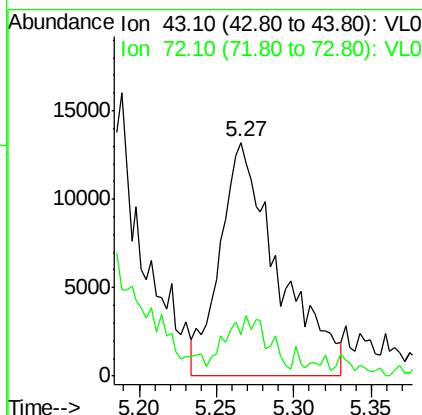
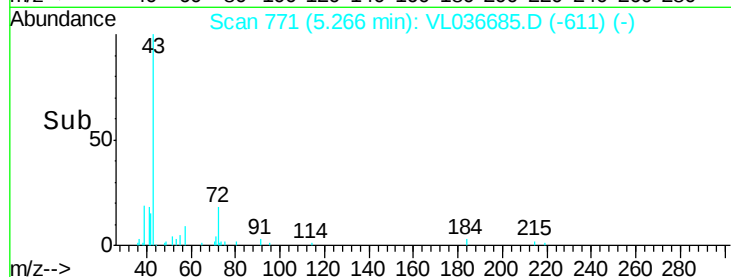
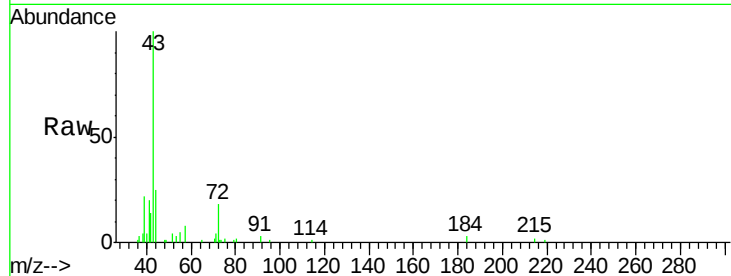
#34
 2-Butanone
 Concen: 0.222 ppbv m
 RT: 5.27 min Scan# 771
 Delta R.T. 0.02 min
 Lab File: VL036685.D
 Acq: 5 Apr 2021 23:11

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Tot Ion: 43 Resp: 34829
 Ion Ratio Lower Upper
 43 100
 72 19.5 17.0 25.6

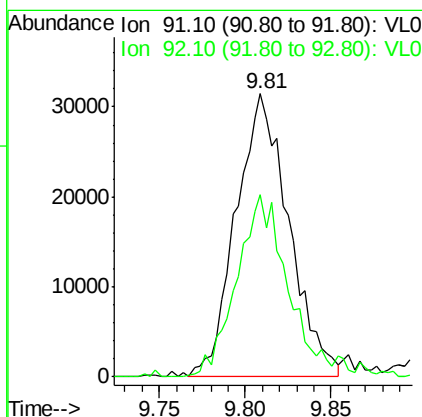
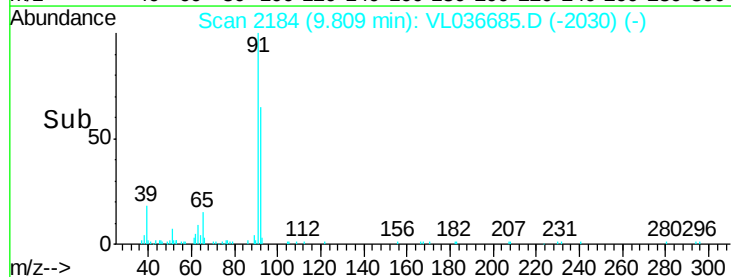
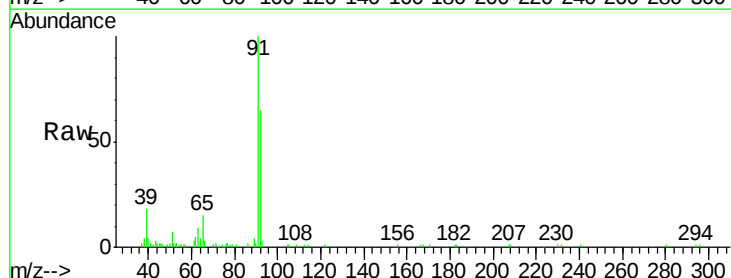
Manual Integrations
 APPROVED

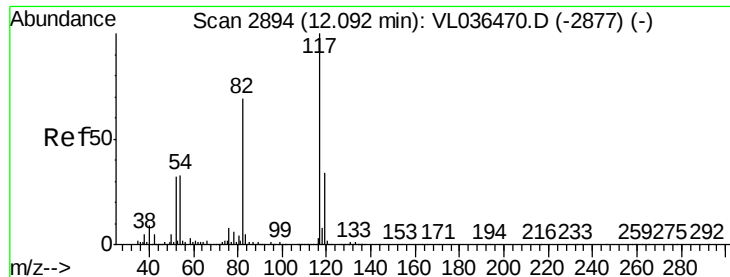
MMDadoda
 4/6/2021 5:14:11 PM



#53
 Toluene
 Concen: 0.212 ppbv
 RT: 9.81 min Scan# 2184
 Delta R.T. -0.00 min
 Lab File: VL036685.D
 Acq: 5 Apr 2021 23:11

Tgt Ion: 91 Resp: 67015
 Ion Ratio Lower Upper
 91 100
 92 64.9 48.8 73.2





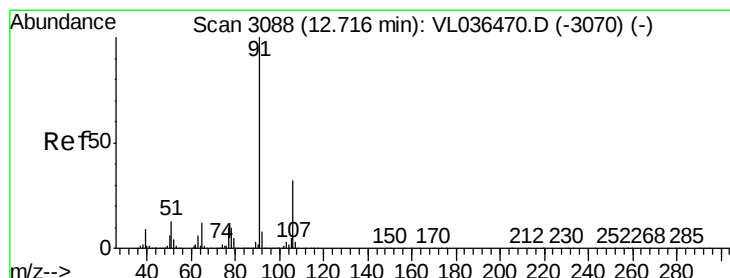
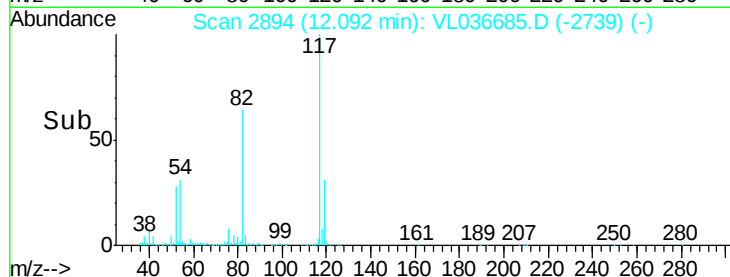
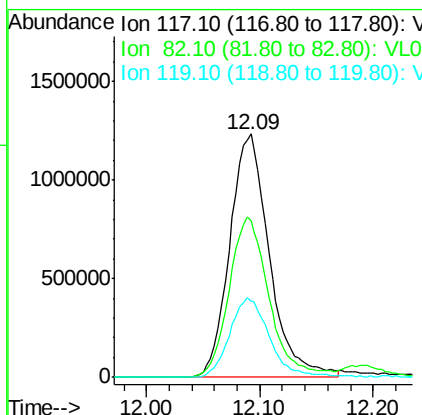
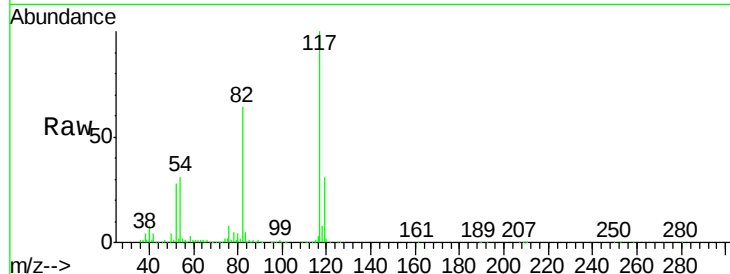
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL036685.D
Acq: 5 Apr 2021 23:11

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	66.7	57.4	86.0
119	33.2	47.4	71.0

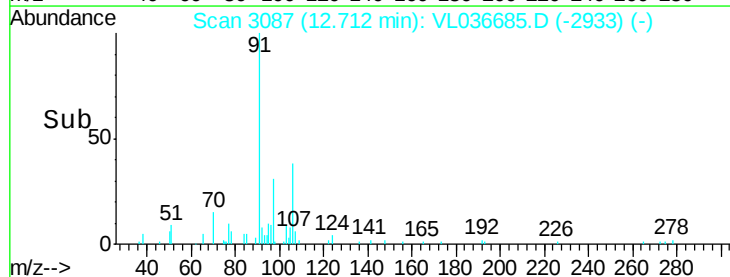
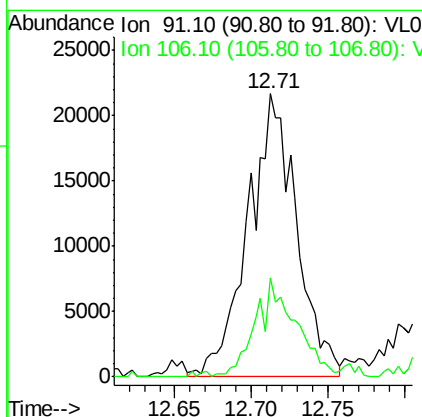
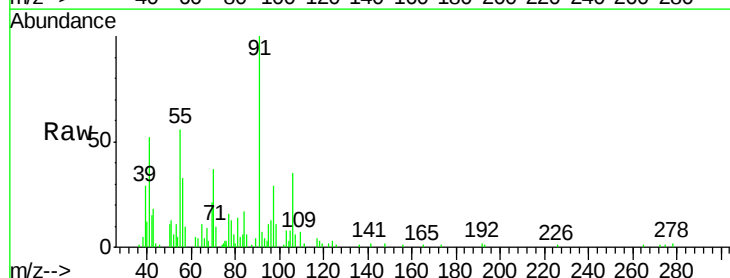
Manual Integrations
APPROVED

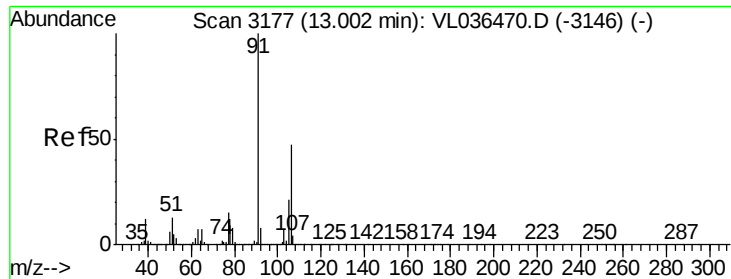
MMDadoda
4/6/2021 5:14:11 PM



#58
Ethyl Benzene
Concen: 0.109 ppbv m
RT: 12.71 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VL036685.D
Acq: 5 Apr 2021 23:11

Tgt Ion	Ratio	Lower	Upper
91	100		
106	34.9	25.3	37.9





#59

m/p-Xylene

Concen: 0.268 ppbv m

RT: 12.97 min Scan# 3166

Delta R.T. -0.04 min

Lab File: VL036685.D

Acq: 5 Apr 2021 23:11

Instrument :

MSVOA_L

ClientSampleId :

SV2DL

Tot Ion: 91 Resp: 102278

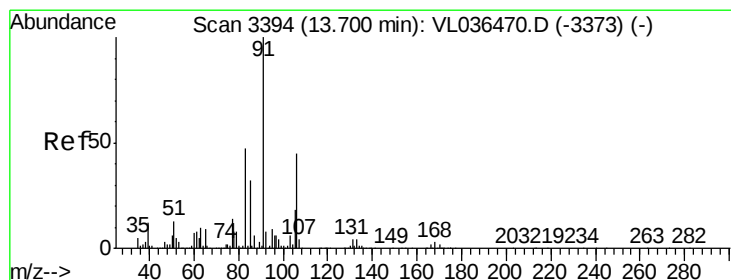
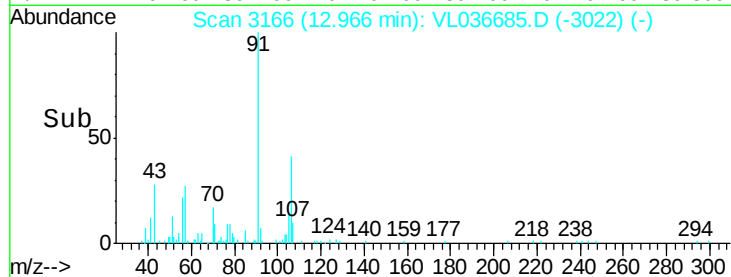
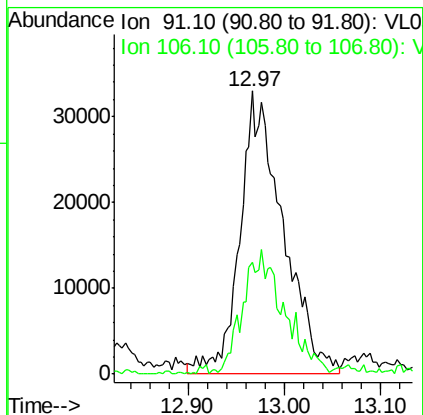
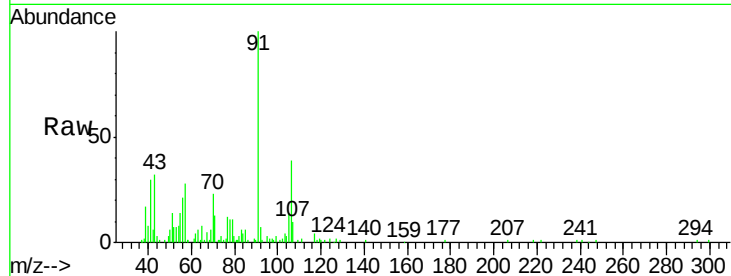
Ion Ratio Lower Upper

91 100

106 0.0 35.3 52.9#

Manual Integrations
APPROVED

MMDadoda
4/6/2021 5:14:11 PM



#60

o-Xylene

Concen: 0.166 ppbv m

RT: 13.69 min Scan# 3392

Delta R.T. -0.01 min

Lab File: VL036685.D

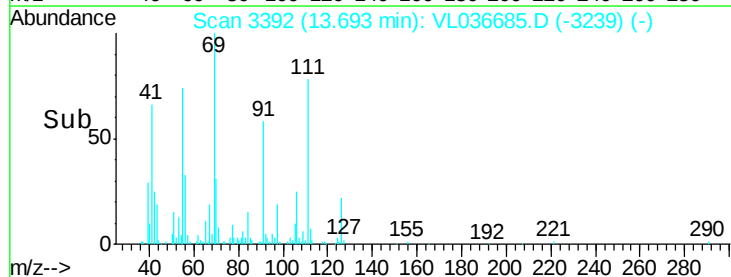
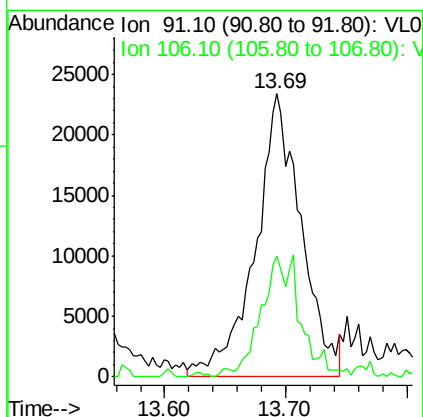
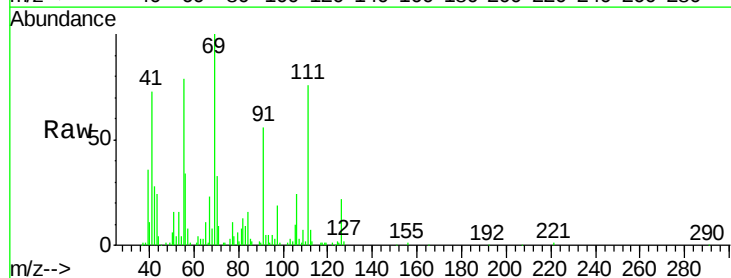
Acq: 5 Apr 2021 23:11

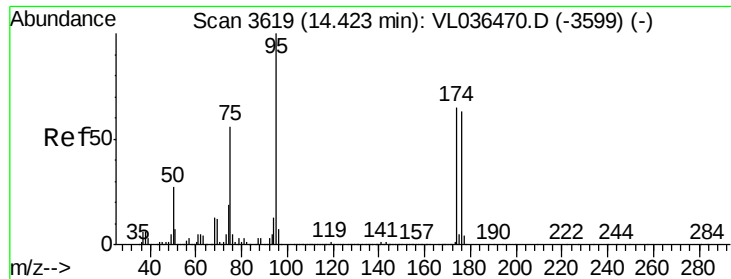
Tgt Ion: 91 Resp: 61162

Ion Ratio Lower Upper

91 100

106 1.5 22.3 66.9#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.874 ppbv
 RT: 14.42 min Scan# 3619
 Delta R.T. -0.00 min
 Lab File: VL036685.D
 Acq: 5 Apr 2021 23:11

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	68.4	51.0	76.6
175	4.9	3.9	5.9

Manual Integrations
 APPROVED

MMDadoda
 4/6/2021 5:14:11 PM

