

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121620\
 Data File : VL036166.D
 Acq On : 16 Dec 2020 14:48
 Operator : SY/AP
 Sample : L5082-01 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

MMDadoda
 12/17/2020 3:55:52 PM

Quant Time: Dec 17 13:38:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1363195	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.16	114	2767763	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.07	117	2535272	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2264867	11.25	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	112.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Heptane	8.10	43	34720m	0.174	ppbv	
13) Ethanol	3.60	45	29948m	2.788	ppbv	
15) Acetone	3.84	43	228612	1.395	ppbv #	84
20) Methylene Chloride	4.32	84	87660	1.306	ppbv	95
26) Hexane	5.66	57	239275	1.624	ppbv #	38
29) Chloroform	5.73	83	21746m	0.112	ppbv	
34) 2-Butanone	5.23	43	45320m	0.247	ppbv	
52) Tetrachloroethene	11.20	164	18505m	0.218	ppbv	
53) Toluene	9.78	91	77909	0.296	ppbv	99
57) Chlorobenzene	12.17	112	72353m	0.407	ppbv	
58) Ethyl Benzene	12.69	91	75401m	0.217	ppbv	
59) m/p-Xylene	12.95	91	129255m	0.442	ppbv	
60) o-Xylene	13.68	91	65495m	0.238	ppbv	
73) 1,3,5-Trimethylbenzene	15.98	105	31925m	0.112	ppbv	

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

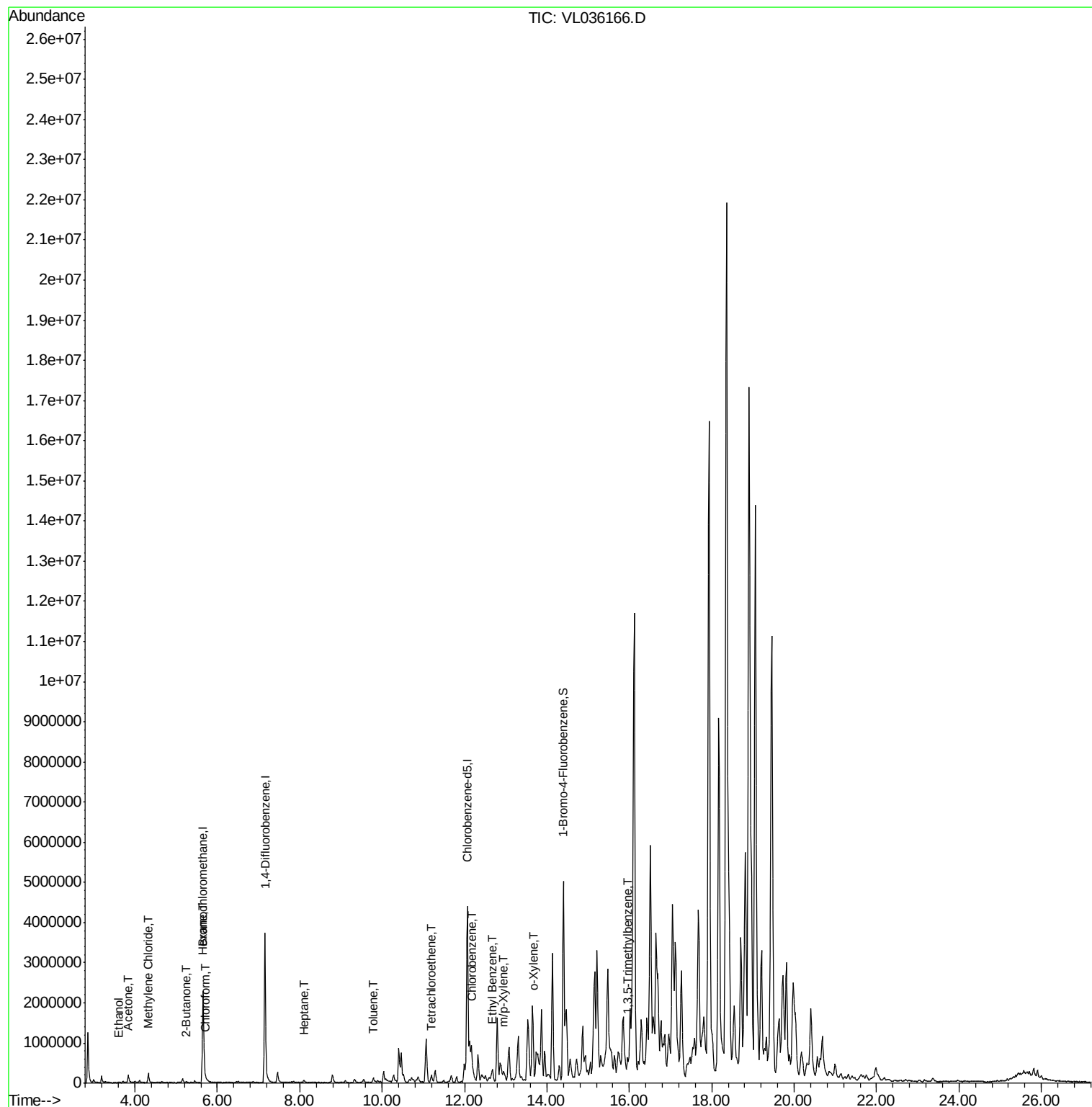
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL121620\
Data File : VL036166.D
Acq On : 16 Dec 2020 14:48
Operator : SY/AP
Sample : L5082-01 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

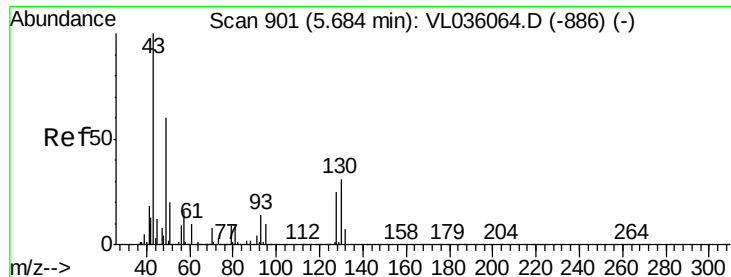
Instrument :
MSVOA_L
ClientSampleId :
SV1

Manual Integrations
APPROVED

MMDadoda
12/17/2020 3:55:52 PM

Quant Time: Dec 17 13:38:26 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration





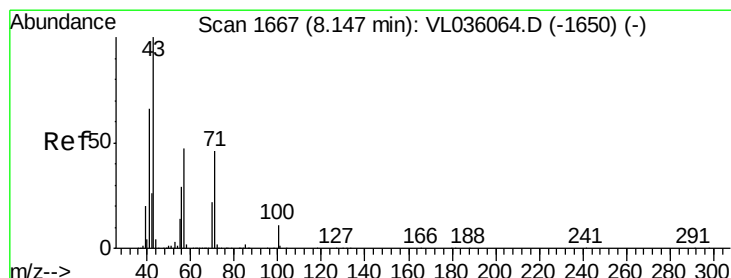
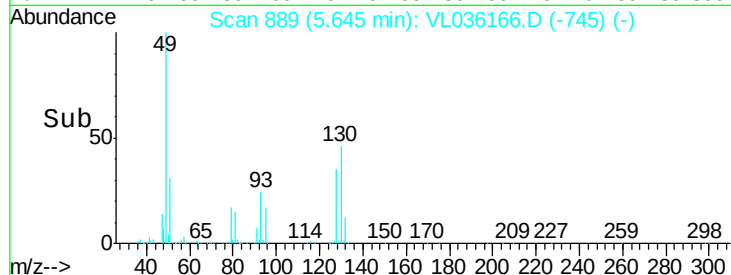
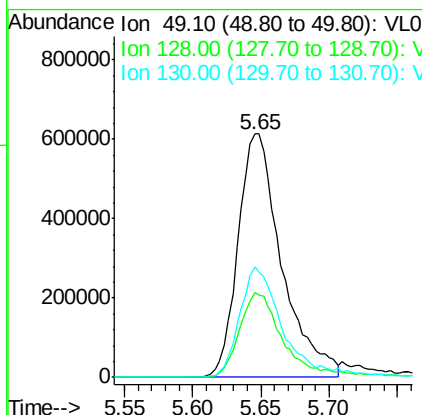
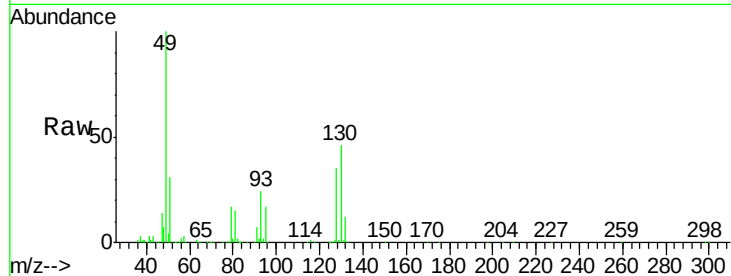
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 889
 Delta R.T. -0.04 min
 Lab File: VL036166.D
 Acq: 16 Dec 2020 14:48

Instrument :
 MSVOA_L
 ClientSampled :
 SV1

Tgt Ion: 49 Resp: 1363195
 Ion Ratio Lower Upper
 49 100
 128 36.2 21.1 63.1
 130 46.3 27.1 81.3

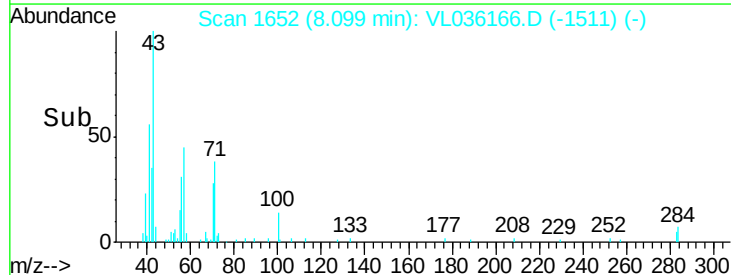
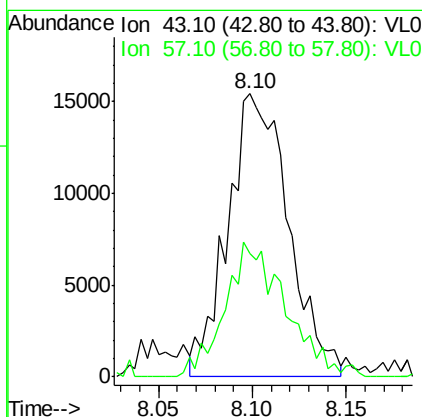
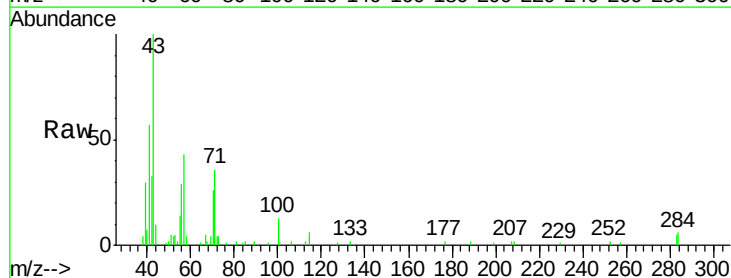
Manual Integrations
 APPROVED

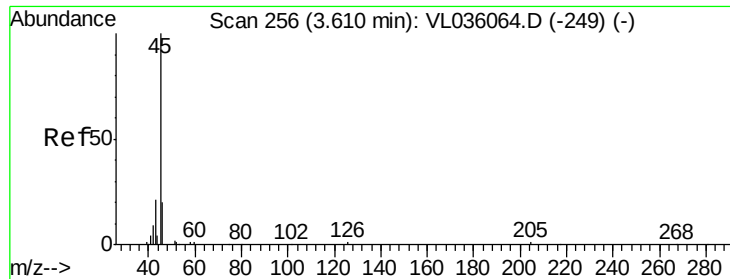
MMDadoda
 12/17/2020 3:55:52 PM



#10
 Heptane
 Concen: 0.174 ppbv m
 RT: 8.10 min Scan# 1652
 Delta R.T. -0.05 min
 Lab File: VL036166.D
 Acq: 16 Dec 2020 14:48

Tgt Ion: 43 Resp: 34720
 Ion Ratio Lower Upper
 43 100
 57 47.5 37.9 56.9





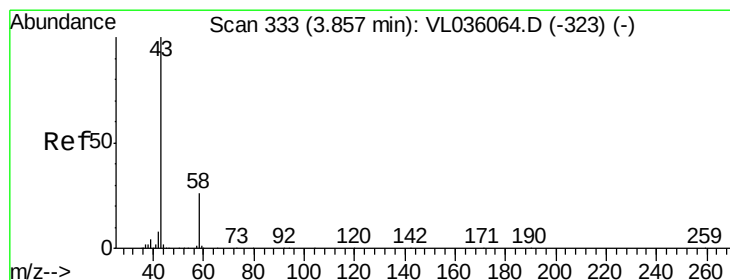
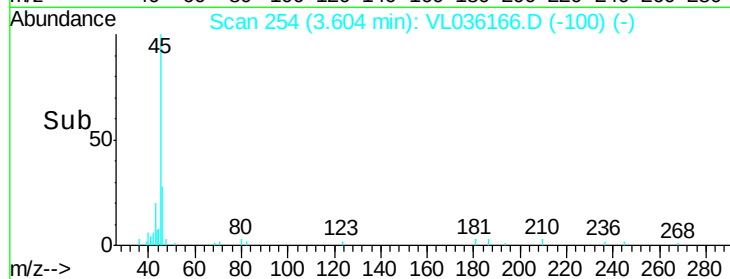
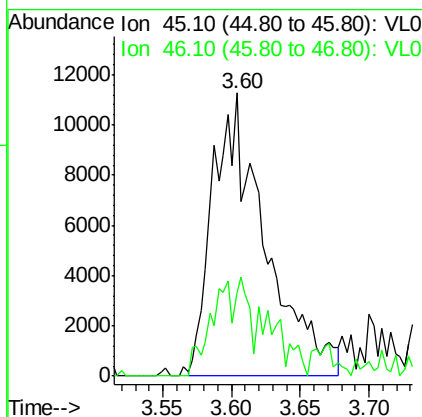
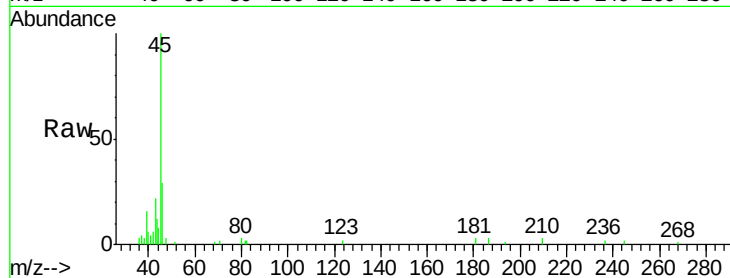
#13
Ethanol
Concen: 2.788 ppbv m
RT: 3.60 min Scan# 254
Delta R.T. -0.01 min
Lab File: VL036166.D
Acq: 16 Dec 2020 14:48

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 45 Resp: 29948
Ion Ratio Lower Upper
45 100
46 0.0 19.0 75.8#

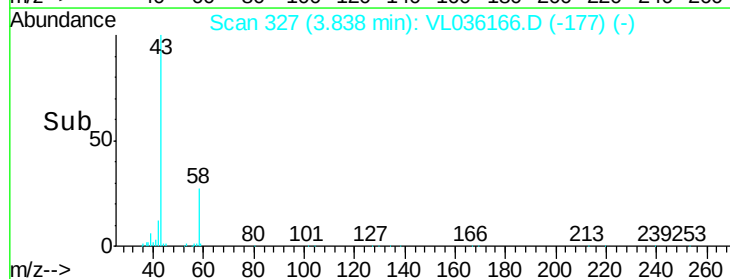
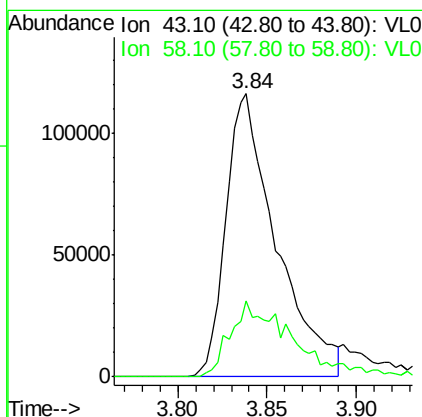
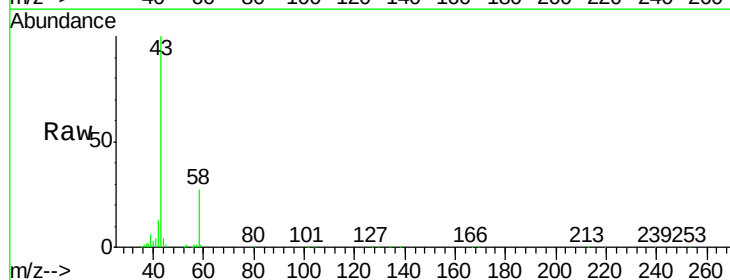
Manual Integrations
APPROVED

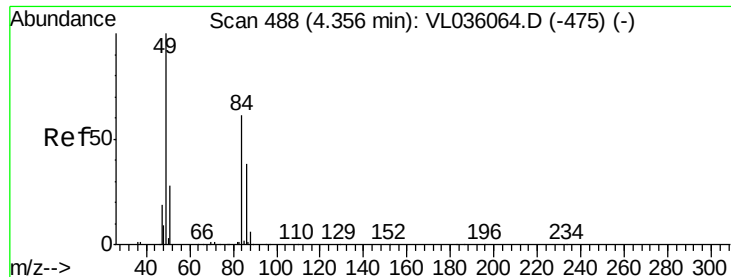
MMDadoda
12/17/2020 3:55:52 PM



#15
Acetone
Concen: 1.395 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.02 min
Lab File: VL036166.D
Acq: 16 Dec 2020 14:48

Tgt Ion: 43 Resp: 228612
Ion Ratio Lower Upper
43 100
58 34.1 20.9 31.3#





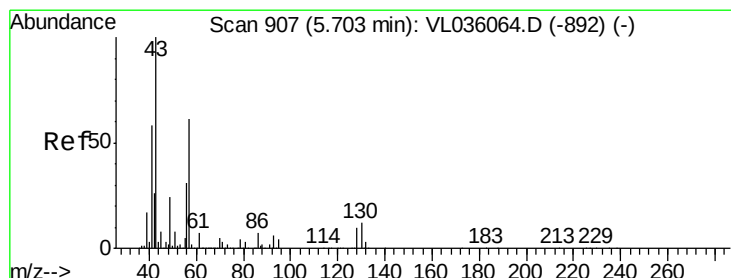
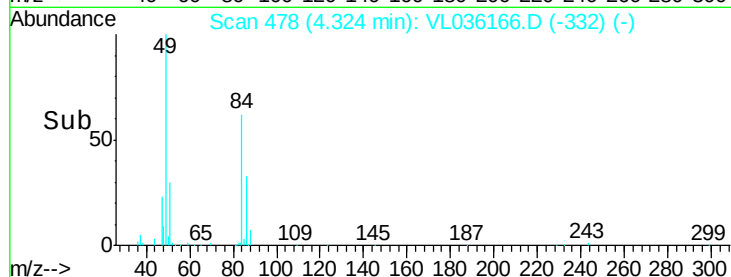
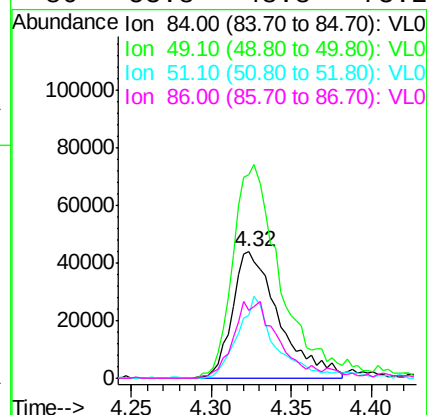
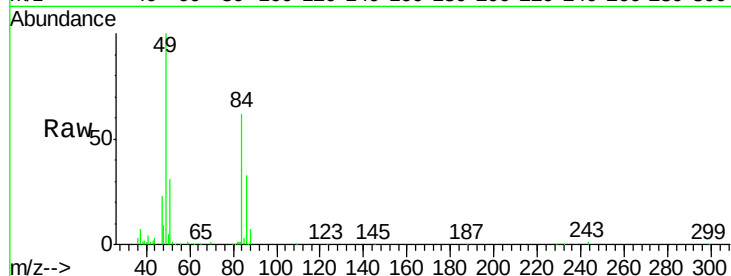
#20
Methylene Chloride
Concen: 1.306 ppbv
RT: 4.32 min Scan# 478
Delta R.T. -0.03 min
Lab File: VL036166.D
Acq: 16 Dec 2020 14:48

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion	Ratio	Lower	Upper
84	100		
49	160.9	133.0	199.4
51	49.7	38.9	58.3
86	53.8	48.8	73.2

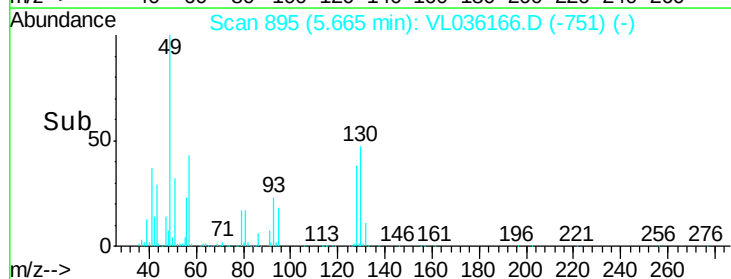
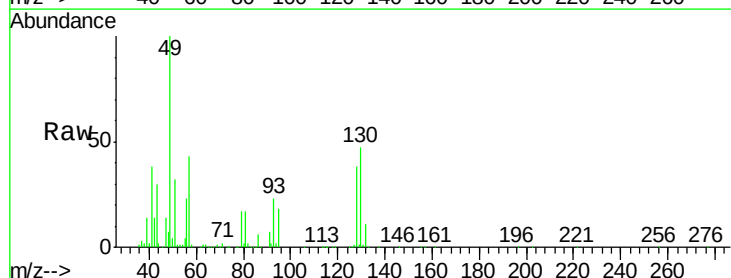
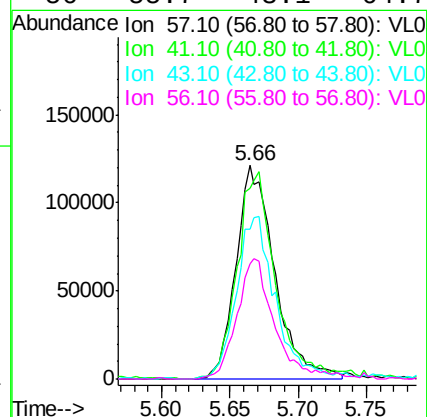
Manual Integrations
APPROVED

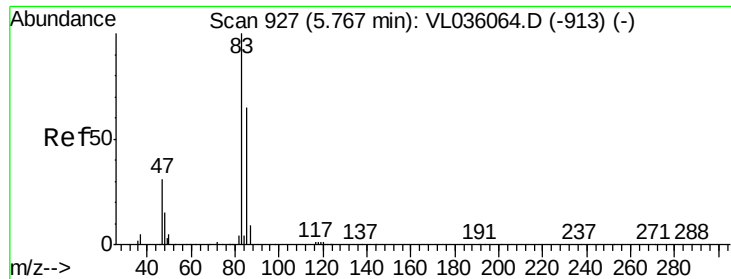
MMDadoda
12/17/2020 3:55:52 PM



#26
Hexane
Concen: 1.624 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.04 min
Lab File: VL036166.D
Acq: 16 Dec 2020 14:48

Tgt Ion	Ratio	Lower	Upper
57	100		
41	99.1	82.9	124.3
43	77.9	199.9	299.9#
56	55.7	43.1	64.7





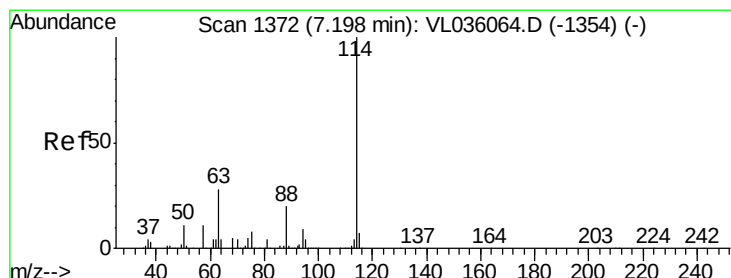
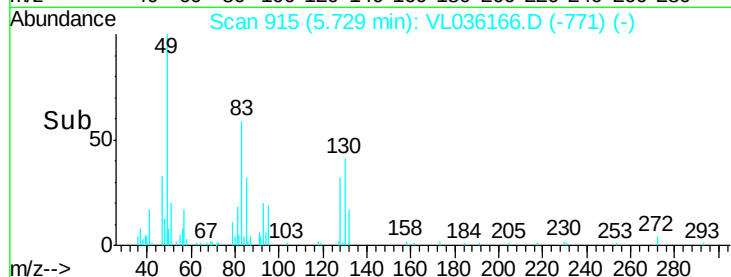
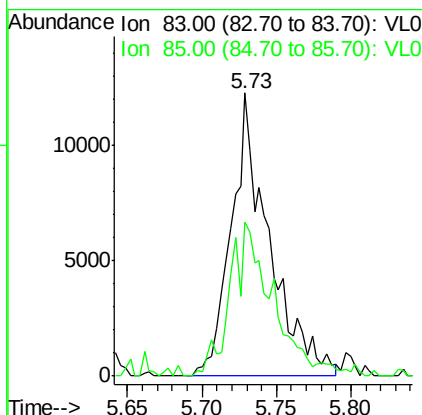
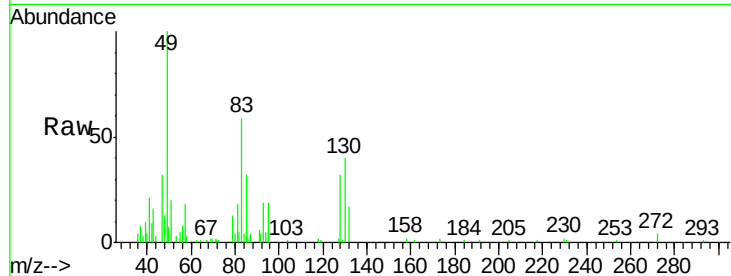
#29
Chloroform
Concen: 0.112 ppbv m
RT: 5.73 min Scan# 915
Delta R.T. -0.04 min
Lab File: VL036166.D
Acq: 16 Dec 2020 14:48

Instrument :
MSVOA_L
ClientSampled :
SV1

Tgt Ion: 83 Resp: 21746
Ion Ratio Lower Upper
83 100
85 54.5 51.8 77.6

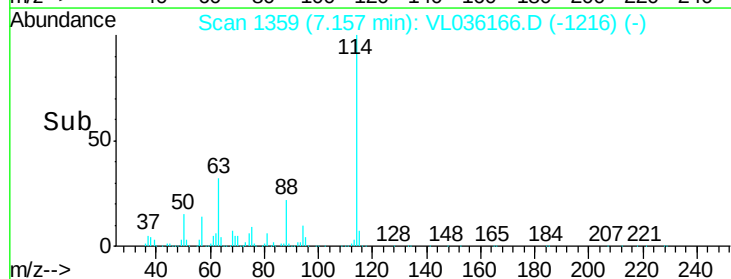
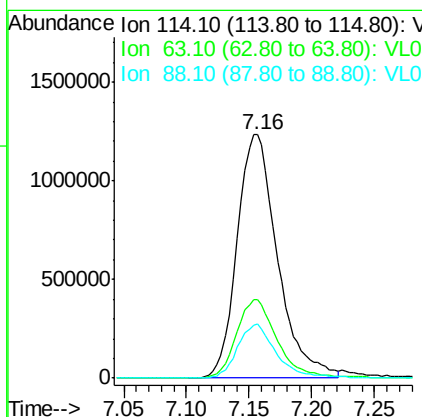
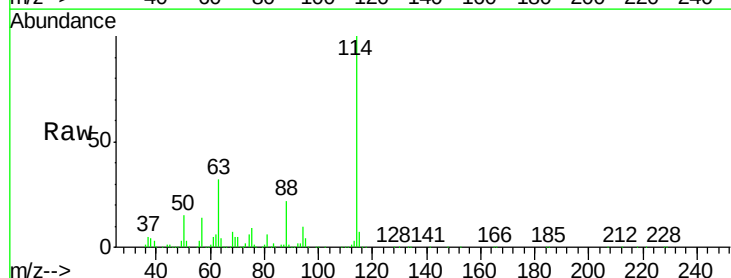
Manual Integrations
APPROVED

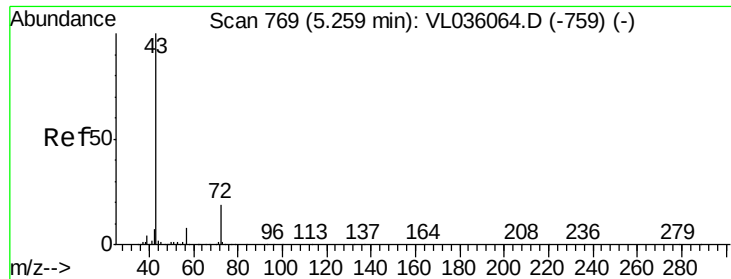
MMDadoda
12/17/2020 3:55:52 PM



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.04 min
Lab File: VL036166.D
Acq: 16 Dec 2020 14:48

Tgt Ion: 114 Resp: 2767763
Ion Ratio Lower Upper
114 100
63 33.0 23.6 35.4
88 21.6 15.8 23.6





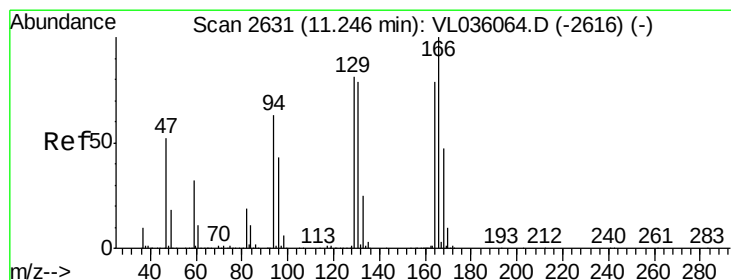
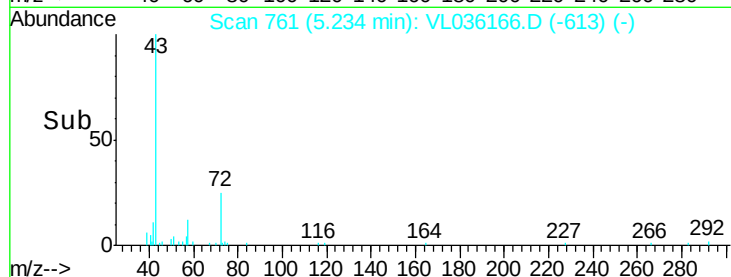
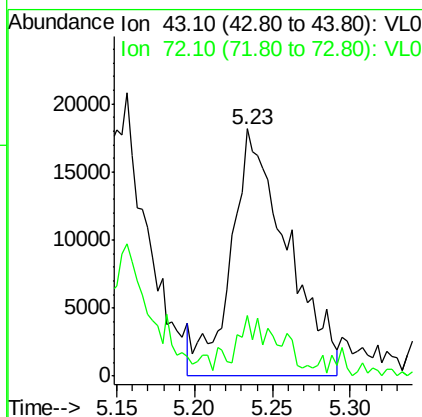
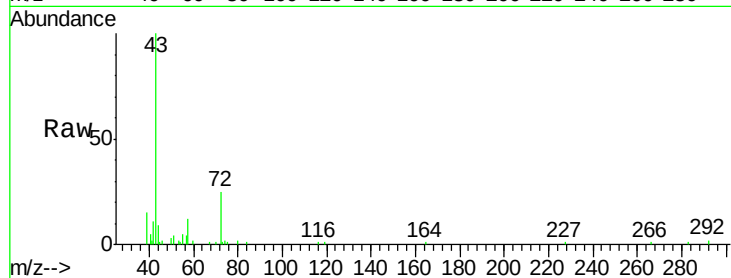
#34
2-Butanone
Concen: 0.247 ppbv m
RT: 5.23 min Scan# 761
Delta R.T. -0.03 min
Lab File: VL036166.D
Acq: 16 Dec 2020 14:48

Instrument :
MSVOA_L
ClientSampled :
SV1

Tgt Ion: 43 Resp: 45320
Ion Ratio Lower Upper
43 100
72 24.4 16.5 24.7

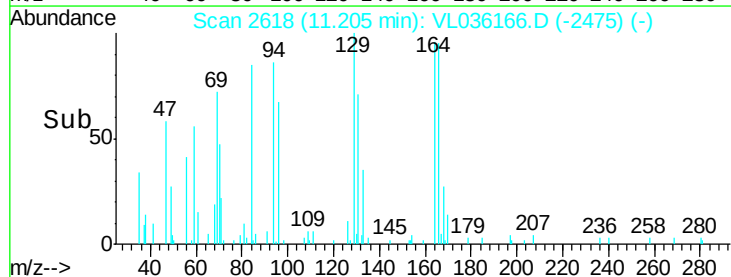
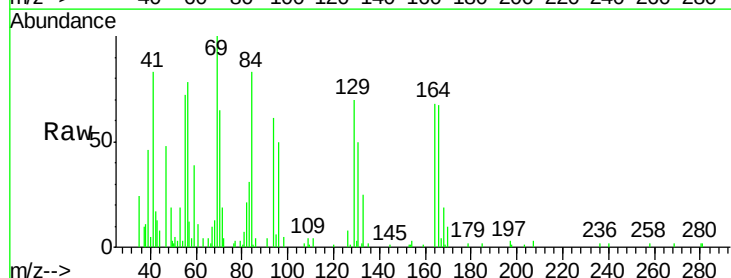
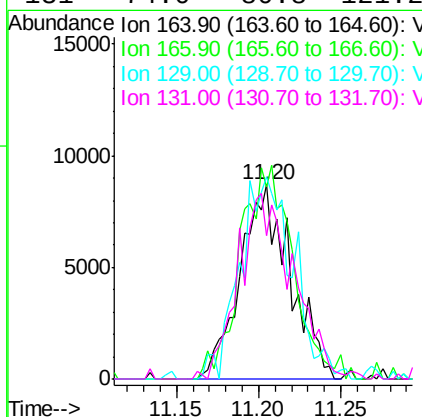
Manual Integrations
APPROVED

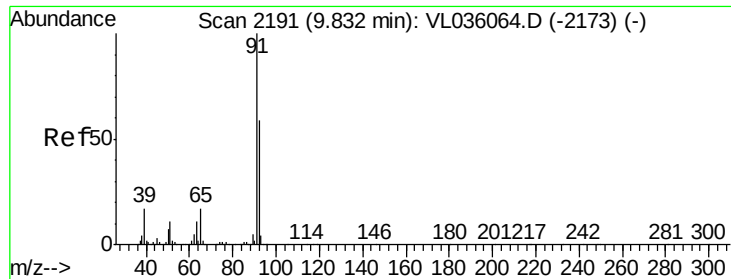
MMDadoda
12/17/2020 3:55:52 PM



#52
Tetrachloroethene
Concen: 0.218 ppbv m
RT: 11.20 min Scan# 2618
Delta R.T. -0.04 min
Lab File: VL036166.D
Acq: 16 Dec 2020 14:48

Tgt Ion: 164 Resp: 18505
Ion Ratio Lower Upper
164 100
166 98.7 101.9 152.9#
129 103.8 82.1 123.1
131 74.0 80.8 121.2#





#53

Toluene

Concen: 0.296 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.05 min

Lab File: VL036166.D

Acq: 16 Dec 2020 14:48

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 91 Resp: 77909

Ion Ratio Lower Upper

91 100

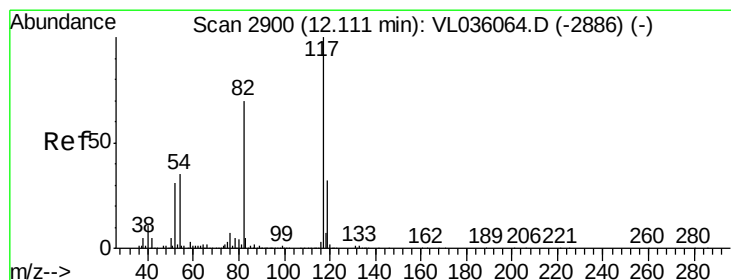
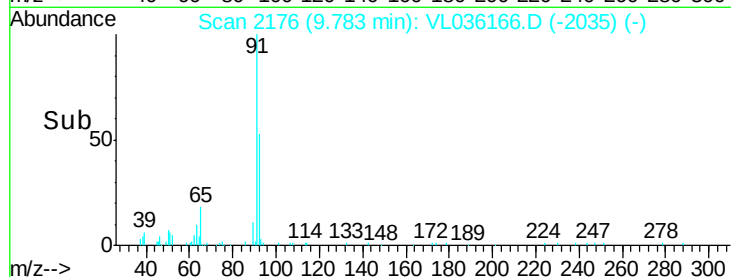
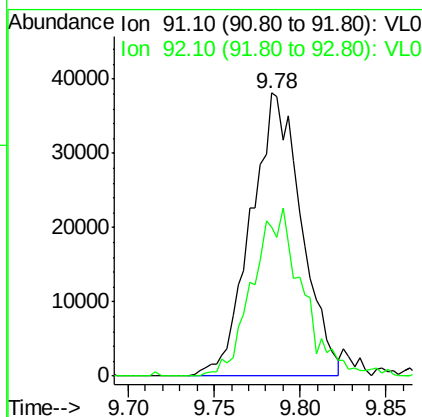
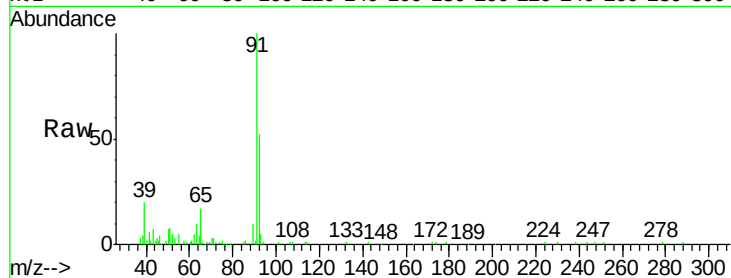
92 59.2 48.2 72.2

Manual Integrations

APPROVED

MMDadoda

12/17/2020 3:55:52 PM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2886

Delta R.T. -0.04 min

Lab File: VL036166.D

Acq: 16 Dec 2020 14:48

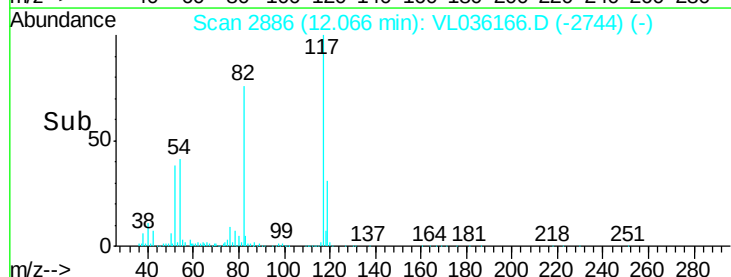
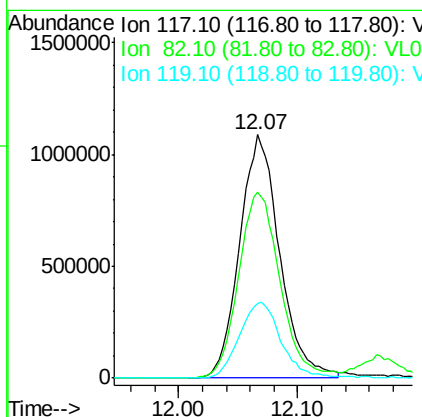
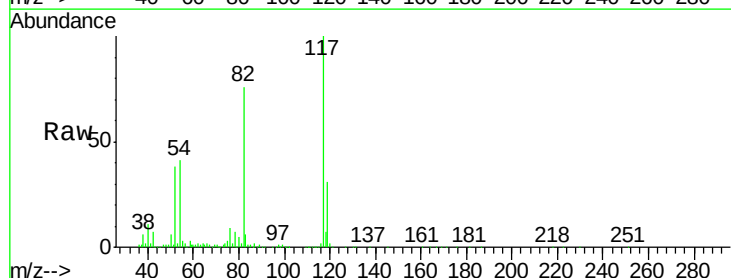
Tgt Ion: 117 Resp: 2535272

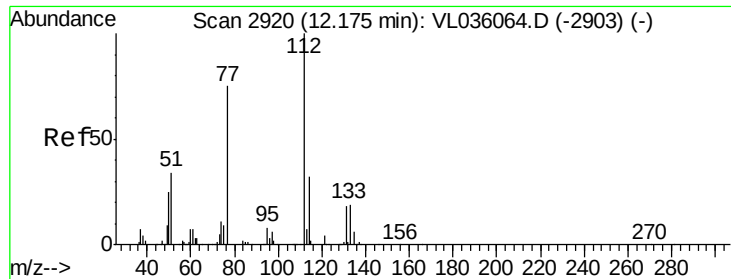
Ion Ratio Lower Upper

117 100

82 78.9 0.0 0.0#

119 32.8 0.0 0.0#





#57

Chlorobenzene

Concen: 0.407 ppbv m

RT: 12.17 min Scan# 2918

Delta R.T. -0.01 min

Lab File: VL036166.D

Acq: 16 Dec 2020 14:48

Instrument :

MSVOA_L

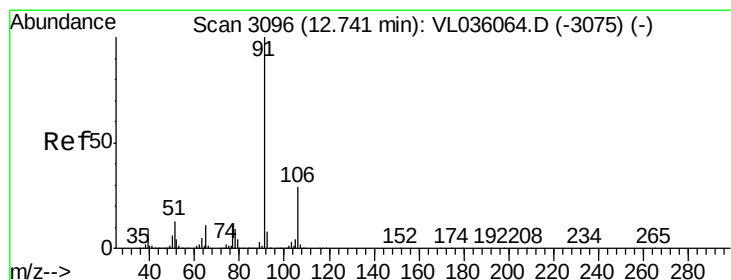
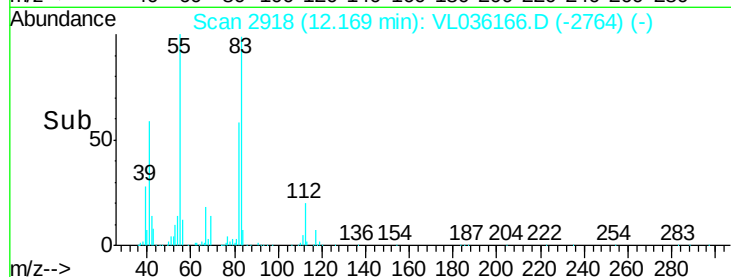
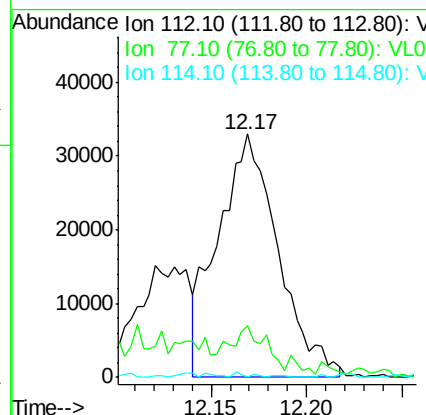
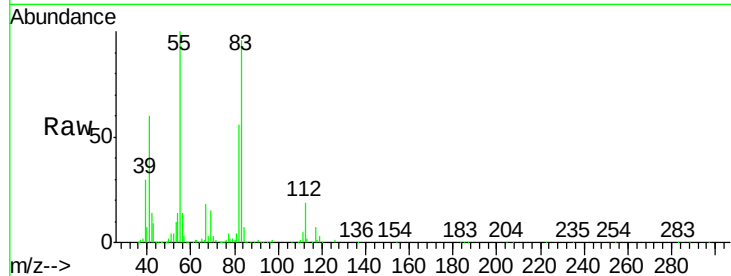
ClientSampled :

SV1

Tgt Ion	Ratio	Lower	Upper
112	100		
77	21.4	60.5	90.7#
114	0.0	29.2	35.6#

Manual Integrations
APPROVED

MMDadoda
12/17/2020 3:55:52 PM



#58

Ethyl Benzene

Concen: 0.217 ppbv m

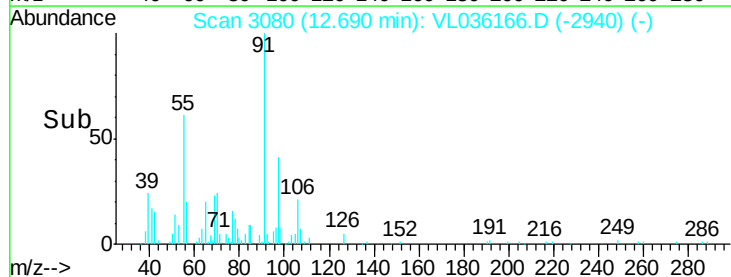
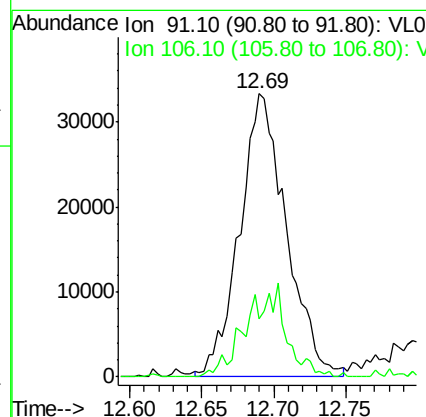
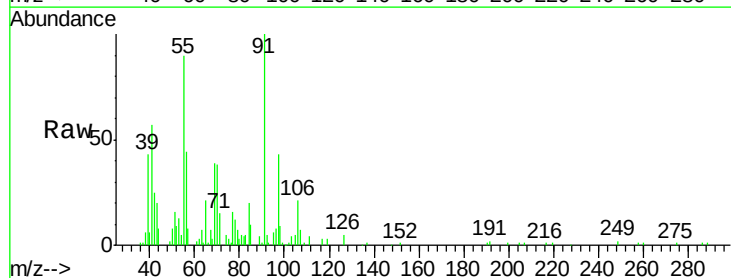
RT: 12.69 min Scan# 3080

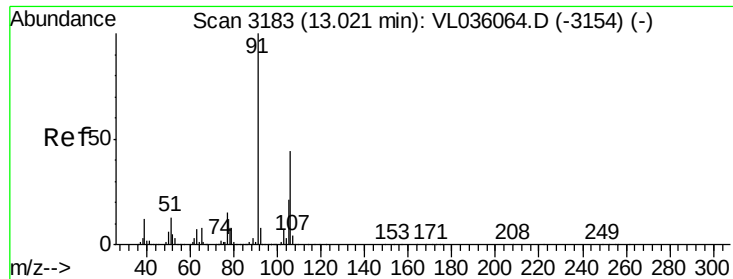
Delta R.T. -0.05 min

Lab File: VL036166.D

Acq: 16 Dec 2020 14:48

Tgt Ion	Ratio	Lower	Upper
91	100		
106	20.5	23.0	34.4#





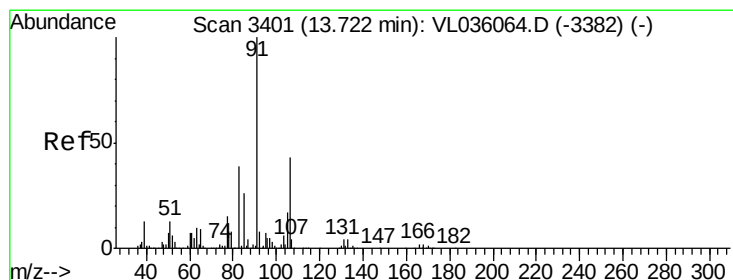
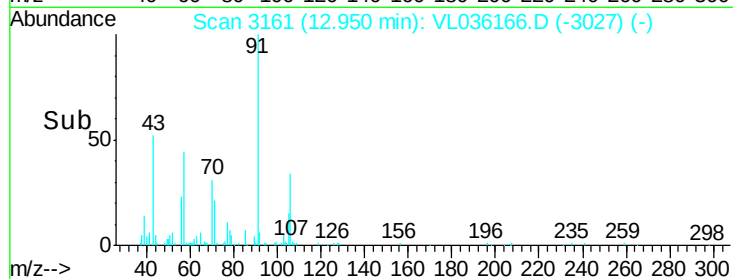
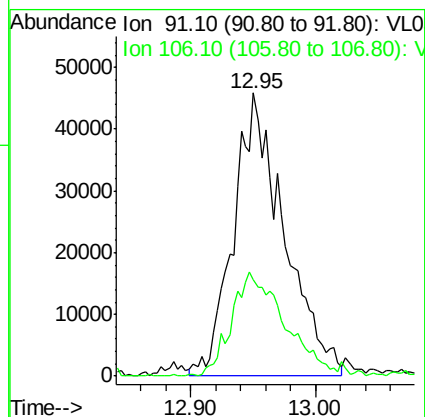
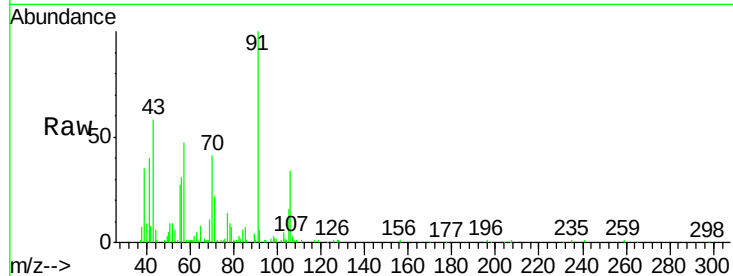
#59
m/p-Xylene
Concen: 0.442 ppbv m
RT: 12.95 min Scan# 3161
Delta R.T. -0.07 min
Lab File: VL036166.D
Acq: 16 Dec 2020 14:48

Instrument :
MSVOA_L
ClientSampled :
SV1

Tgt Ion: 91 Resp: 129255
Ion Ratio Lower Upper
91 100
106 0.0 33.6 50.4#

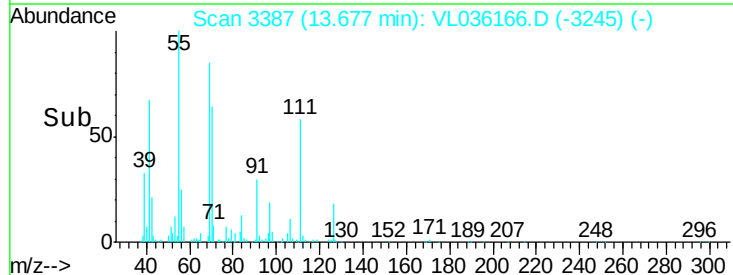
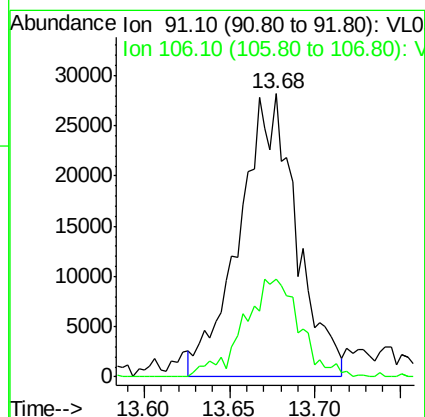
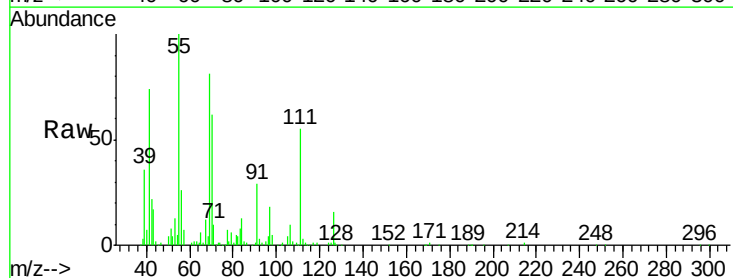
Manual Integrations
APPROVED

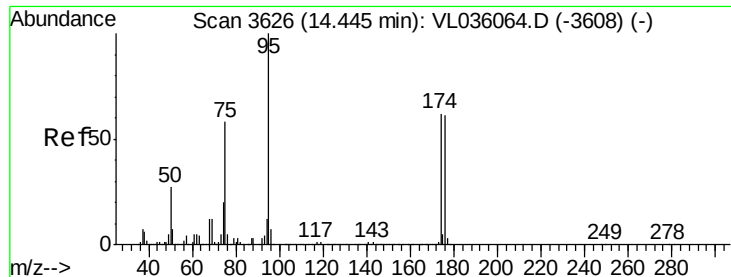
MMDadoda
12/17/2020 3:55:52 PM



#60
o-Xylene
Concen: 0.238 ppbv m
RT: 13.68 min Scan# 3387
Delta R.T. -0.04 min
Lab File: VL036166.D
Acq: 16 Dec 2020 14:48

Tgt Ion: 91 Resp: 65495
Ion Ratio Lower Upper
91 100
106 34.1 21.6 64.6





#68

1-Bromo-4-Fluorobenzene

Concen: 11.251 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. -0.04 min

Lab File: VL036166.D

Acq: 16 Dec 2020 14:48

Instrument :

MSVOA_L

ClientSampled :

SV1

Tgt Ion: 95 Resp: 2264867

Ion Ratio Lower Upper

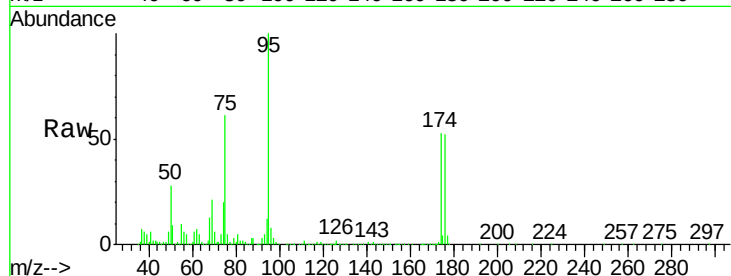
95 100

174 55.2 50.7 76.1

175 4.1 4.0 6.0

Manual Integrations
APPROVED

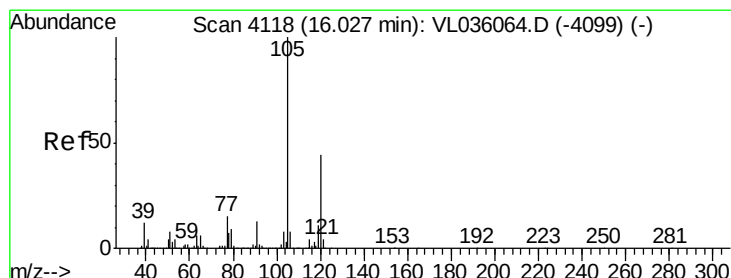
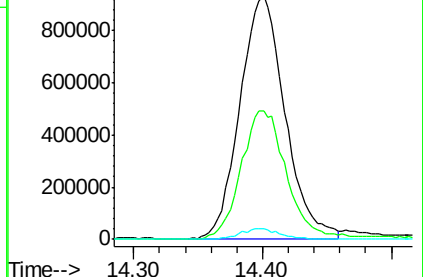
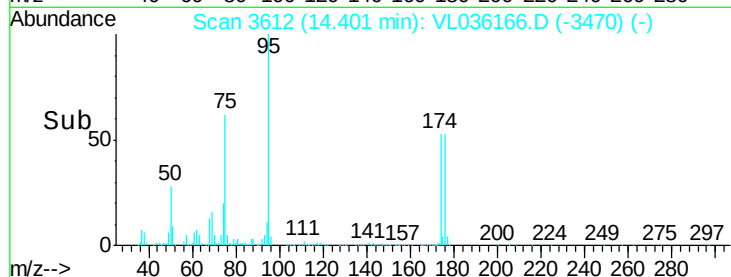
MMDadoda
12/17/2020 3:55:52 PM



Abundance Ion 95.10 (94.80 to 95.80): VL036166.D (-3470) (-)

Ion 174.00 (173.70 to 174.70): VL036166.D (-3470) (-)

Ion 175.00 (174.70 to 175.70): VL036166.D (-3470) (-)



#73

1,3,5-Trimethylbenzene

Concen: 0.112 ppbv m

RT: 15.98 min Scan# 4103

Delta R.T. -0.05 min

Lab File: VL036166.D

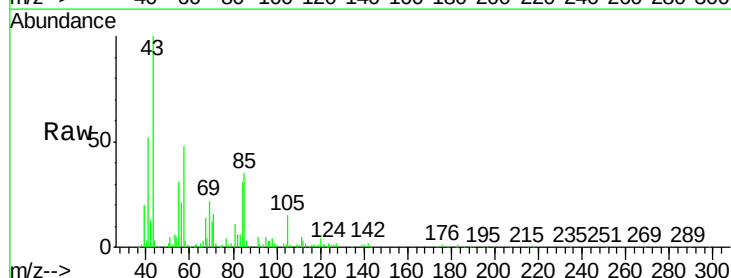
Acq: 16 Dec 2020 14:48

Tgt Ion: 105 Resp: 31925

Ion Ratio Lower Upper

105 100

120 28.6 35.4 53.2#



Abundance Ion 105.10 (104.80 to 105.80): VL036166.D (-3962) (-)

Ion 120.20 (119.90 to 120.90): VL036166.D (-3962) (-)

