

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022421\
 Data File : VL036360.D
 Acq On : 24 Feb 2021 21:20
 Operator : SY/AP
 Sample : M1463-06DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 NS-11DL

Manual Integrations
 APPROVED

MMDadoda
 2/26/2021 4:17:32 PM

Quant Time: Feb 26 14:15:00 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1689122	10.00	ppbv	0.04
33) 1,4-Difluorobenzene	7.19	114	3956831	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	3531972	10.00	ppbv	0.05

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2845242	9.79	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	28897m	0.369	ppbv	
13) Ethanol	3.62	45	129007m	8.778	ppbv	
20) Methylene Chloride	4.36	84	319993	4.804	ppbv	93
26) Hexane	5.70	57	131756	0.804	ppbv #	39
44) 2,2,4-Trimethylpentane	7.88	57	156244	0.256	ppbv #	84
53) Toluene	9.82	91	225052m	0.618	ppbv	
59) m/p-Xylene	12.98	91	106011m	0.250	ppbv	

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

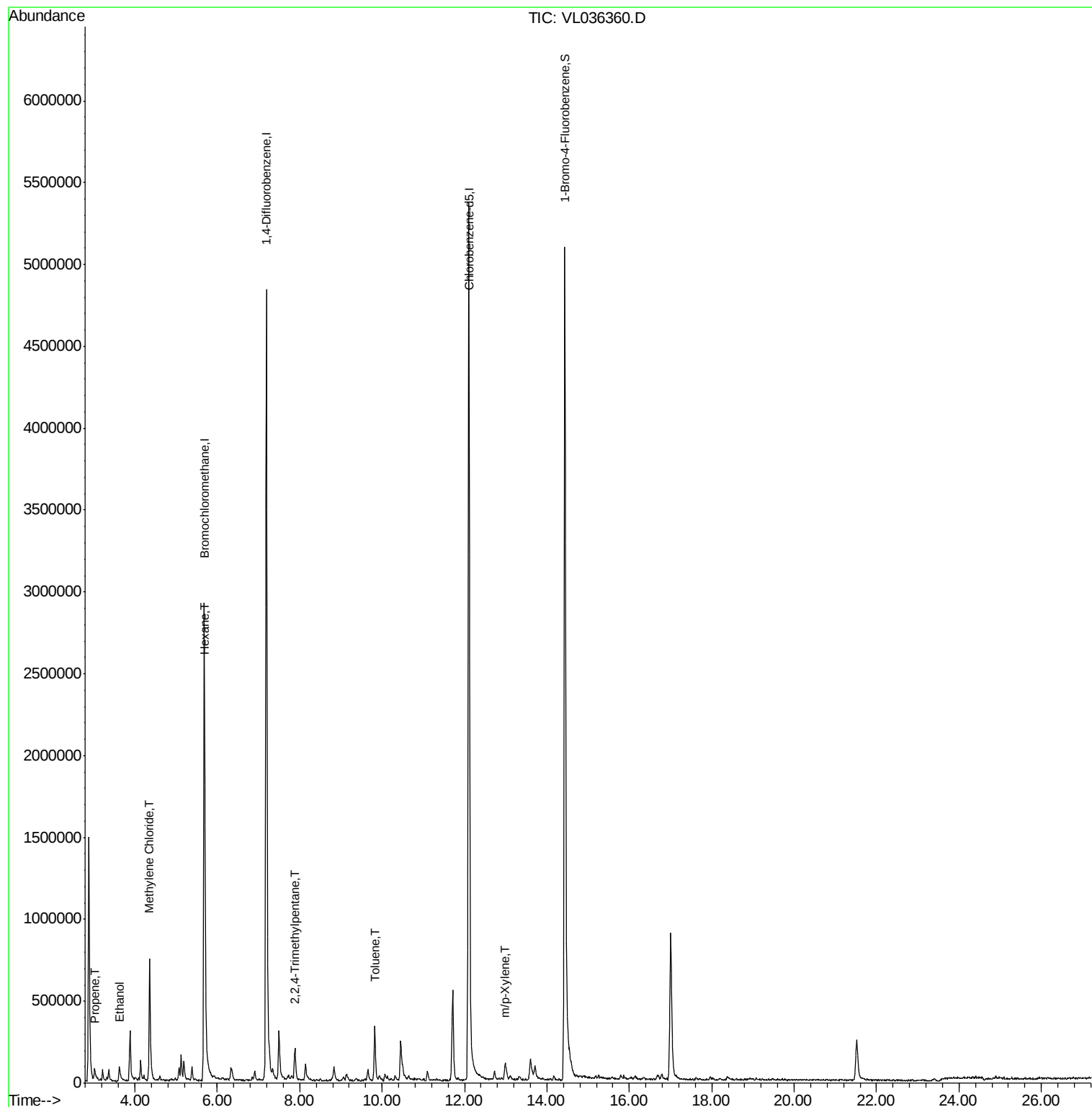
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL022421\
Data File : VL036360.D
Acq On : 24 Feb 2021 21:20
Operator : SY/AP
Sample : M1463-06DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

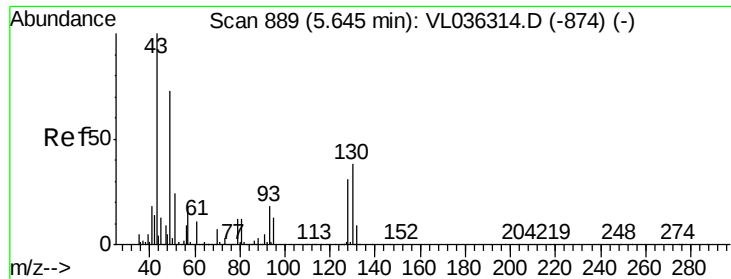
Instrument :
MSVOA_L
ClientSampleId :
NS-11DL

Manual Integrations
APPROVED

MMDadoda
2/26/2021 4:17:32 PM

Quant Time: Feb 26 14:15:00 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb
QLast Update : Wed Feb 10 16:04:02 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.04 min

Lab File: VL036360.D

Acq: 24 Feb 2021 21:20

Instrument :

MSVOA_L

ClientSampleId :

NS-11DL

Tot Ion: 49 Resp: 1689122

Ion Ratio Lower Upper

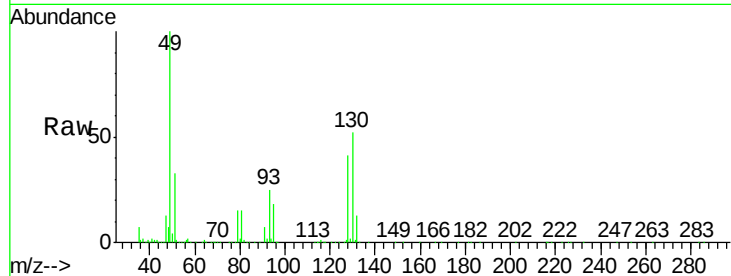
49 100

128 44.7 20.8 62.5

130 56.7 26.7 80.1

Manual Integrations
APPROVED

MMDadoda
2/26/2021 4:17:32 PM



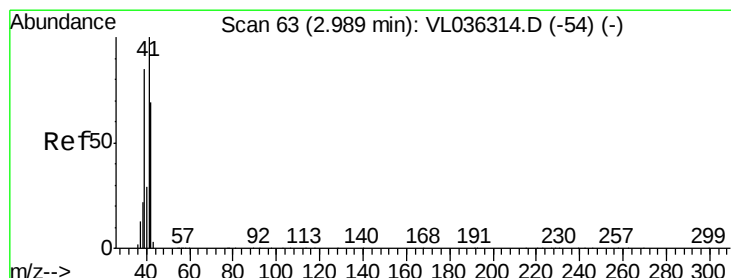
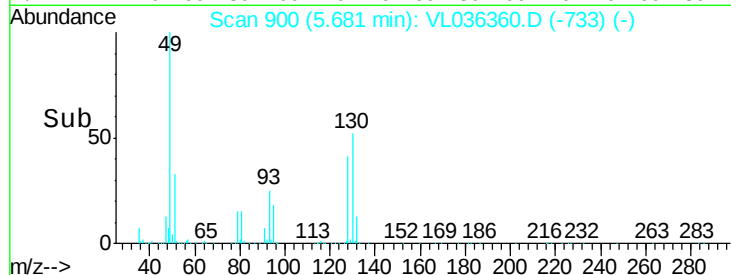
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.68

Time-->



#9

Propene

Concen: 0.369 ppbv m

RT: 3.02 min Scan# 73

Delta R.T. 0.03 min

Lab File: VL036360.D

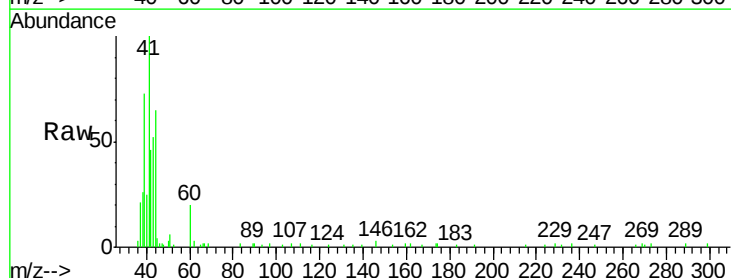
Acq: 24 Feb 2021 21:20

Tgt Ion: 41 Resp: 28897

Ion Ratio Lower Upper

41 100

42 0.0 56.2 84.2#

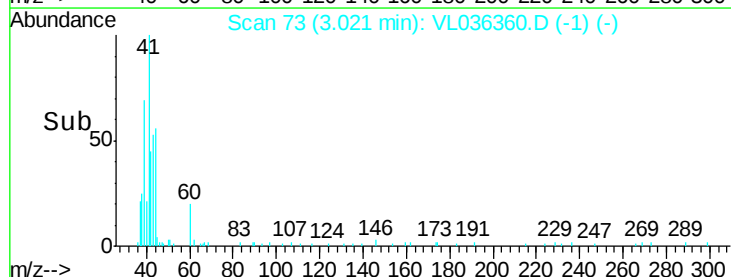


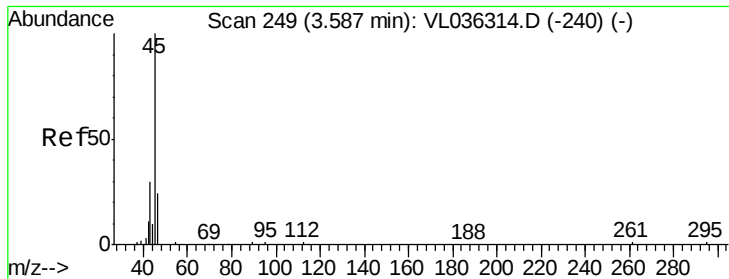
Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.02

Time-->





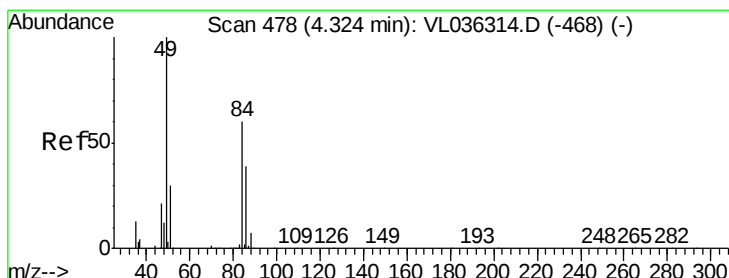
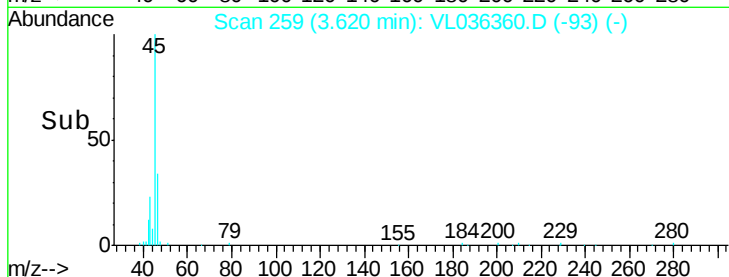
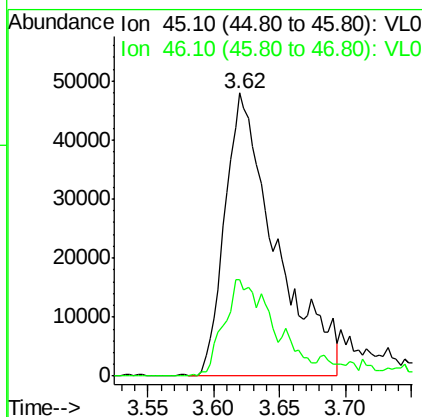
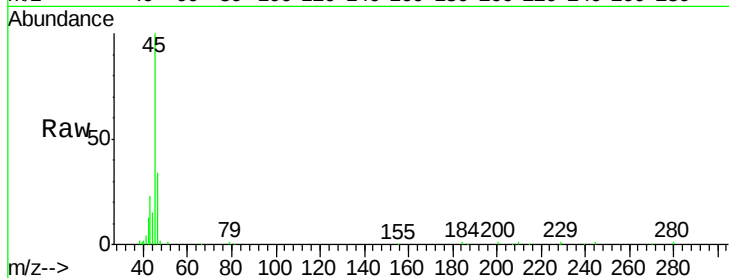
#13
Ethanol
Concen: 8.778 ppbv m
RT: 3.62 min Scan# 259
Delta R.T. 0.03 min
Lab File: VL036360.D
Acq: 24 Feb 2021 21:20

Instrument :
MSVOA_L
ClientSampled :
NS-11DL

Tot Ion: 45 Resp: 129007
Ion Ratio Lower Upper
45 100
46 40.8 17.7 70.7

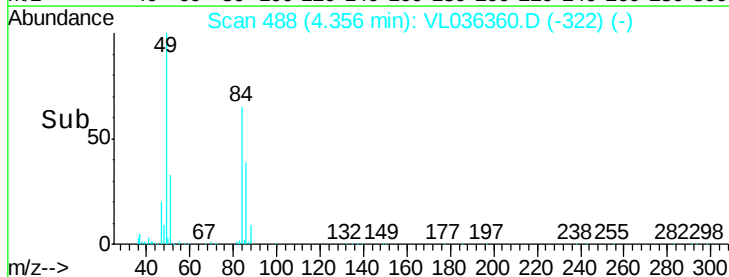
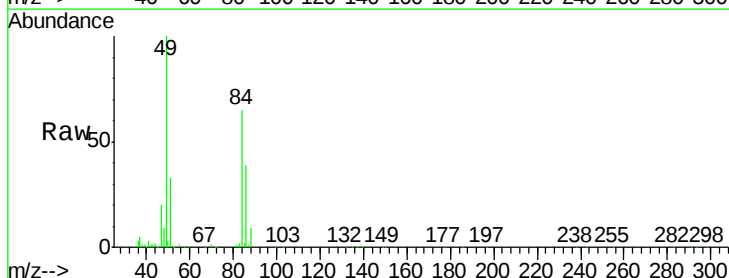
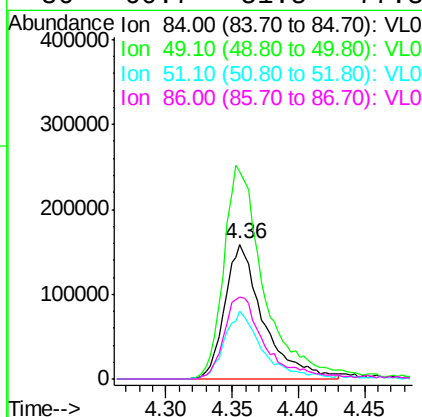
Manual Integrations
APPROVED

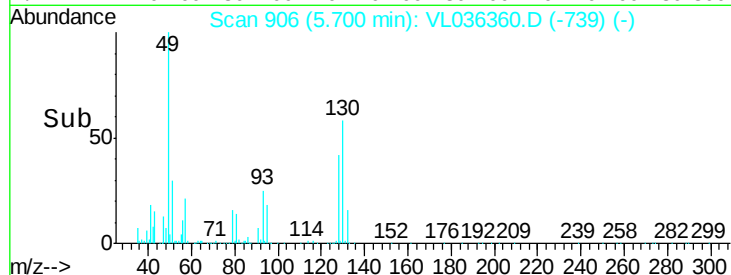
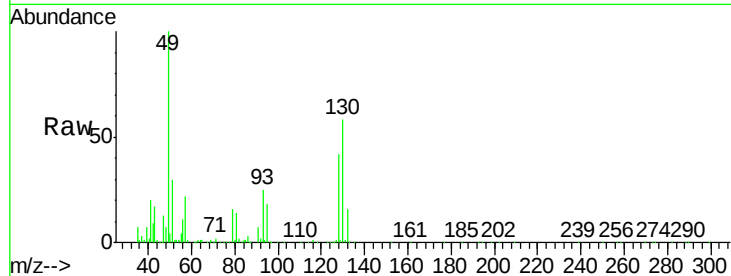
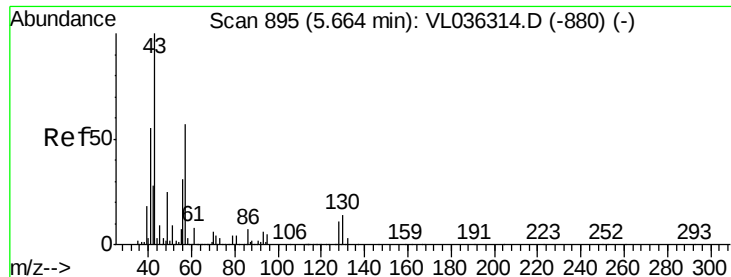
MMDadoda
2/26/2021 4:17:32 PM



#20
Methylene Chloride
Concen: 4.804 ppbv
RT: 4.36 min Scan# 488
Delta R.T. 0.03 min
Lab File: VL036360.D
Acq: 24 Feb 2021 21:20

Tgt Ion: 84 Resp: 319993
Ion Ratio Lower Upper
84 100
49 154.4 133.8 200.8
51 50.0 41.4 62.0
86 60.7 51.5 77.3





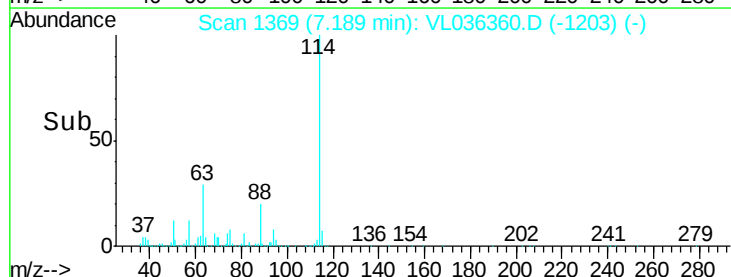
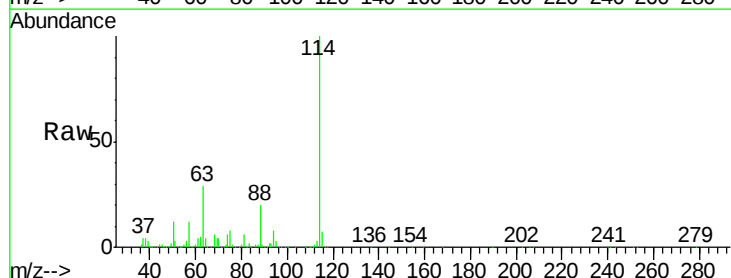
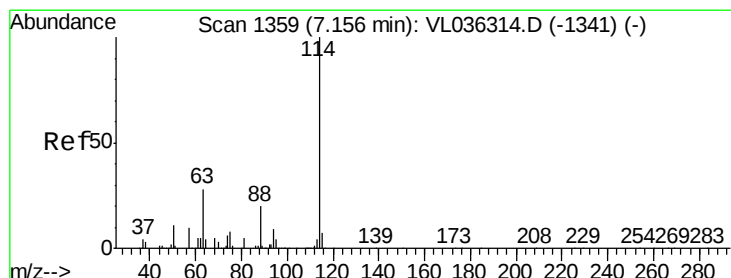
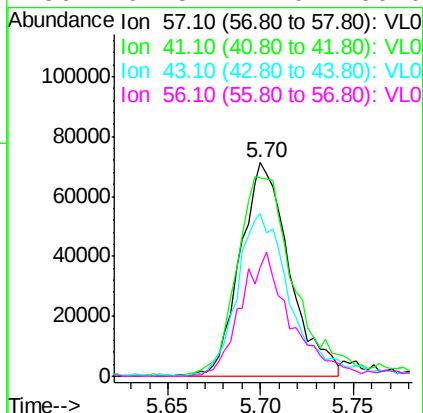
#26
Hexane
Concen: 0.804 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.04 min
Lab File: VL036360.D
Acq: 24 Feb 2021 21:20

Tot Ion	57	Resp	131756
Ion	Ratio	Lower	Upper
57	100		
41	111.1	81.7	122.5
43	84.8	199.1	298.7#
56	61.8	44.0	66.0

Instrument :
MSVOA_L
ClientSampleId :
NS-11DL

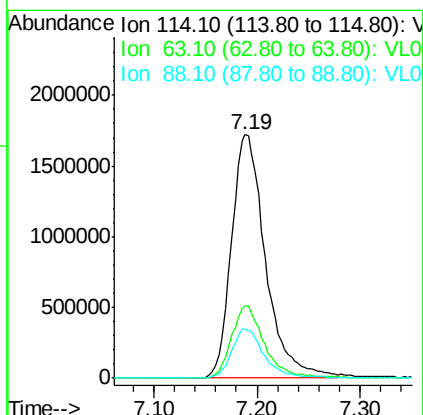
Manual Integrations
APPROVED

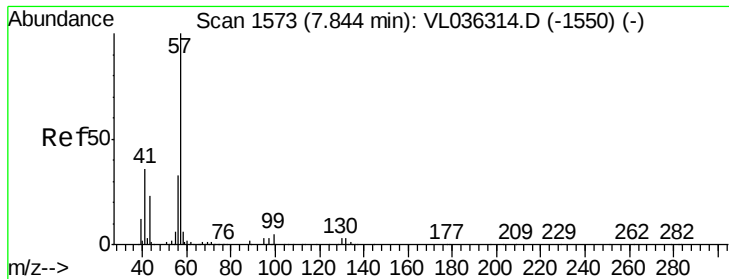
MMDadoda
2/26/2021 4:17:32 PM



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. 0.03 min
Lab File: VL036360.D
Acq: 24 Feb 2021 21:20

Tgt Ion	114	Resp	3956831
Ion	Ratio	Lower	Upper
114	100		
63	29.1	24.1	36.1
88	19.8	16.0	24.0





#44

2,2,4-Trimethylpentane

Concen: 0.256 ppbv

RT: 7.88 min Scan# 1585

Delta R.T. 0.04 min

Lab File: VL036360.D

Acq: 24 Feb 2021 21:20

Instrument :

MSVOA_L

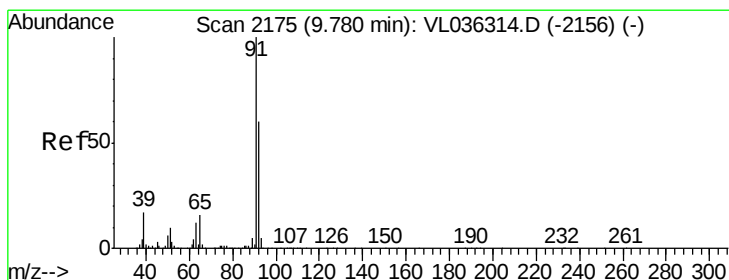
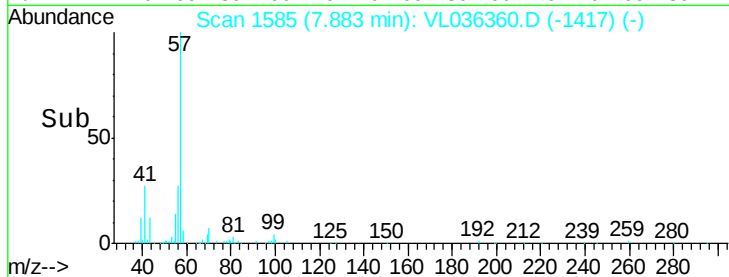
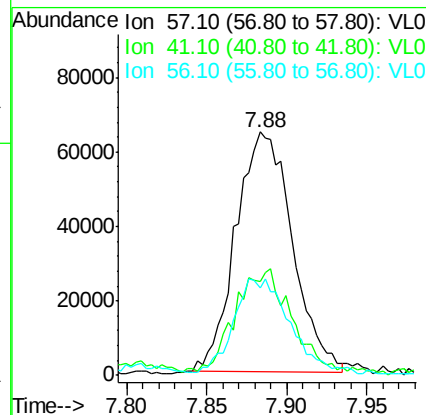
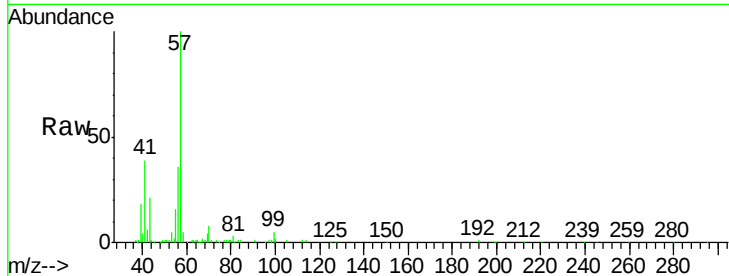
ClientSampleId :

NS-11DL

Tot Ion:	57	Resp:	156244
Ion	Ratio	Lower	Upper
57	100		
41	45.3	28.8	43.2#
56	41.2	25.8	38.6#

Manual Integrations
APPROVED

MMDadoda
2/26/2021 4:17:32 PM



#53

Toluene

Concen: 0.618 ppbv m

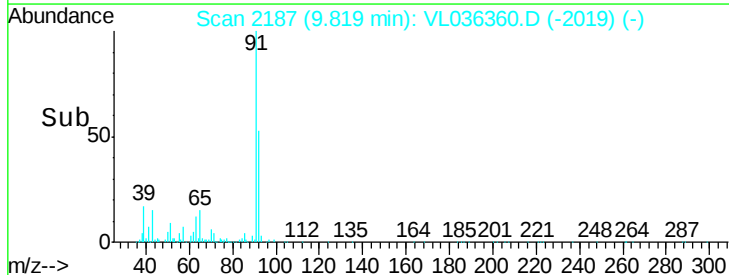
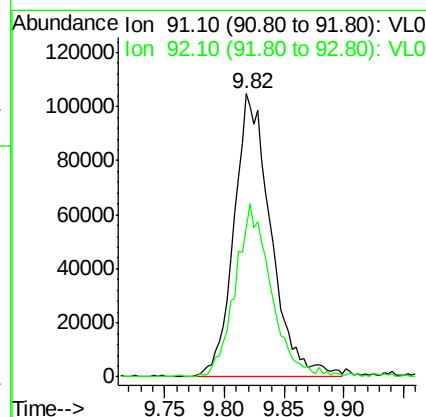
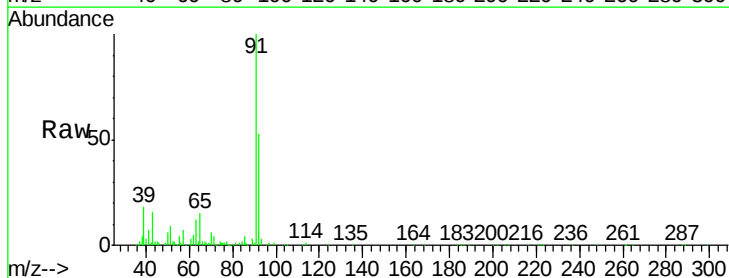
RT: 9.82 min Scan# 2187

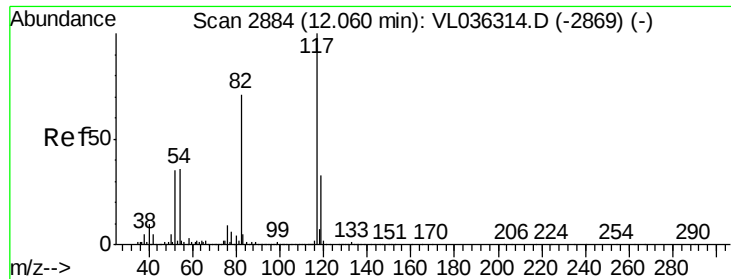
Delta R.T. 0.04 min

Lab File: VL036360.D

Acq: 24 Feb 2021 21:20

Tgt Ion:	91	Resp:	225052
Ion	Ratio	Lower	Upper
91	100		
92	59.9	48.6	72.8





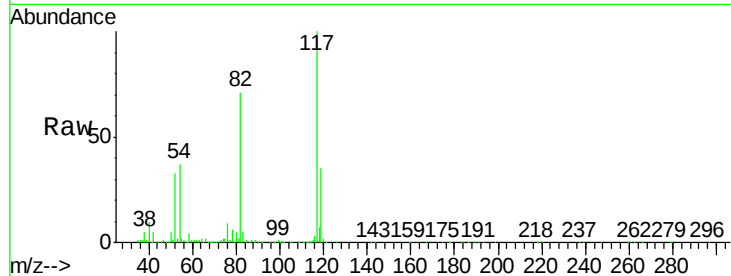
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. 0.05 min
Lab File: VL036360.D
Acq: 24 Feb 2021 21:20

Instrument :
MSVOA_L
ClientSampleId :
NS-11DL

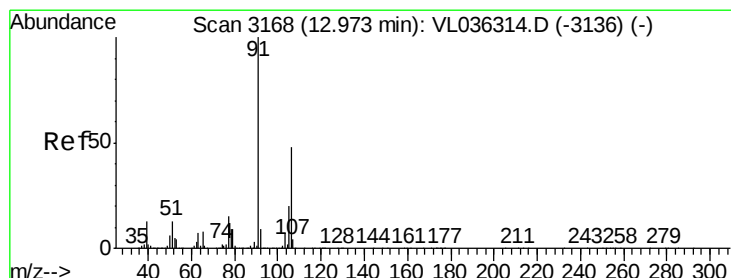
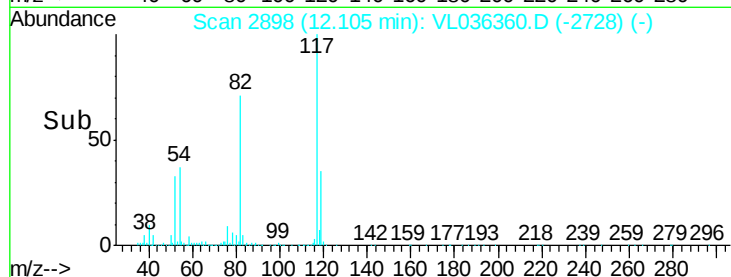
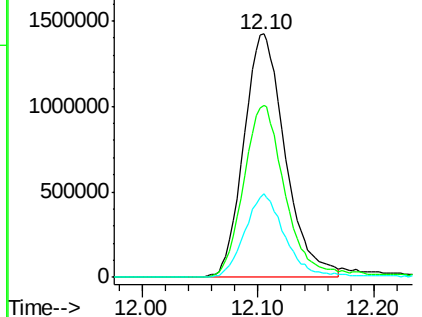
Tot Ion:117 Resp: 3531972
Ion Ratio Lower Upper
117 100
82 72.7 59.1 88.7
119 34.1 46.3 69.5#

Manual Integrations
APPROVED

MMDadoda
2/26/2021 4:17:32 PM

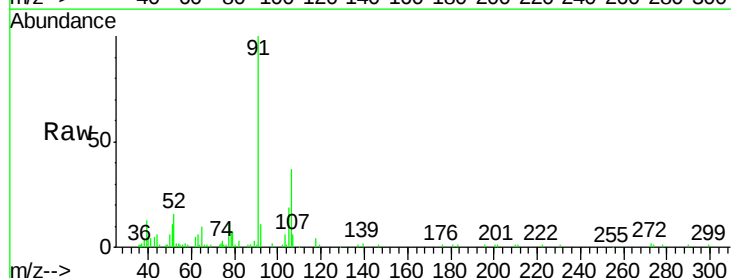


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

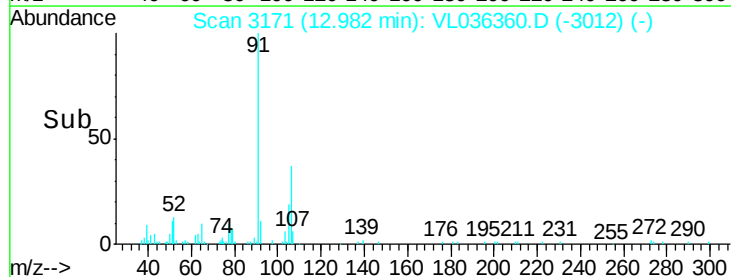
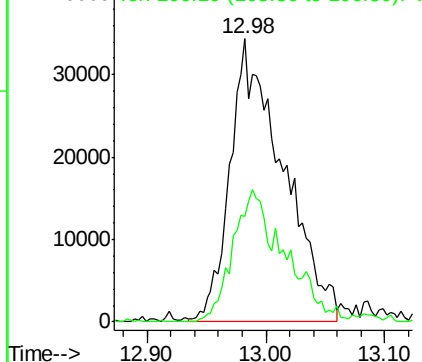


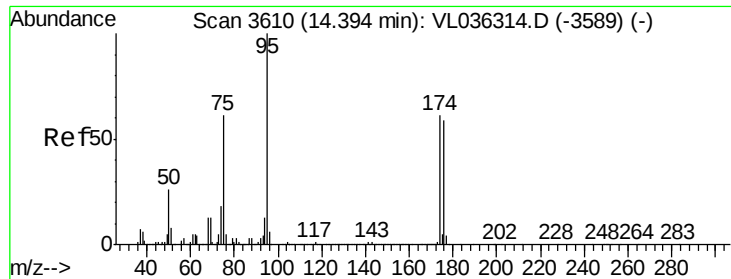
#59
m/p-Xylene
Concen: 0.250 ppbv m
RT: 12.98 min Scan# 3171
Delta R.T. 0.01 min
Lab File: VL036360.D
Acq: 24 Feb 2021 21:20

Tgt Ion: 91 Resp: 106011
Ion Ratio Lower Upper
91 100
106 0.0 34.2 51.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.791 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. 0.04 min

Lab File: VL036360.D

Acq: 24 Feb 2021 21:20

Instrument :

MSVOA_L

ClientSampleId :

NS-11DL

Tot Ion: 95 Resp: 2845242

Ion Ratio Lower Upper

95 100

174 65.4 49.8 74.6

175 4.8 3.7 5.5

Manual Integrations
APPROVED

MMDadoda
2/26/2021 4:17:32 PM

