

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040521\
 Data File : VL036694.D
 Acq On : 6 Apr 2021 4:54
 Operator : SY/AP
 Sample : M1877-10DL 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 UP-SG-7(2021)DL

Manual Integrations
 APPROVED

MMDadoda
 4/6/2021 5:14:46 PM

Quant Time: Apr 06 15:12:10 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	1289212	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3199723	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2761654	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2124713	9.65	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.61	45	534696	58.473	ppbv	99
15) Acetone	3.86	43	213670m	1.684	ppbv	
19) Isopropyl Alcohol	3.99	45	160758m	2.303	ppbv	
44) 2,2,4-Trimethylpentane	7.87	57	227437	0.438	ppbv #	88

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

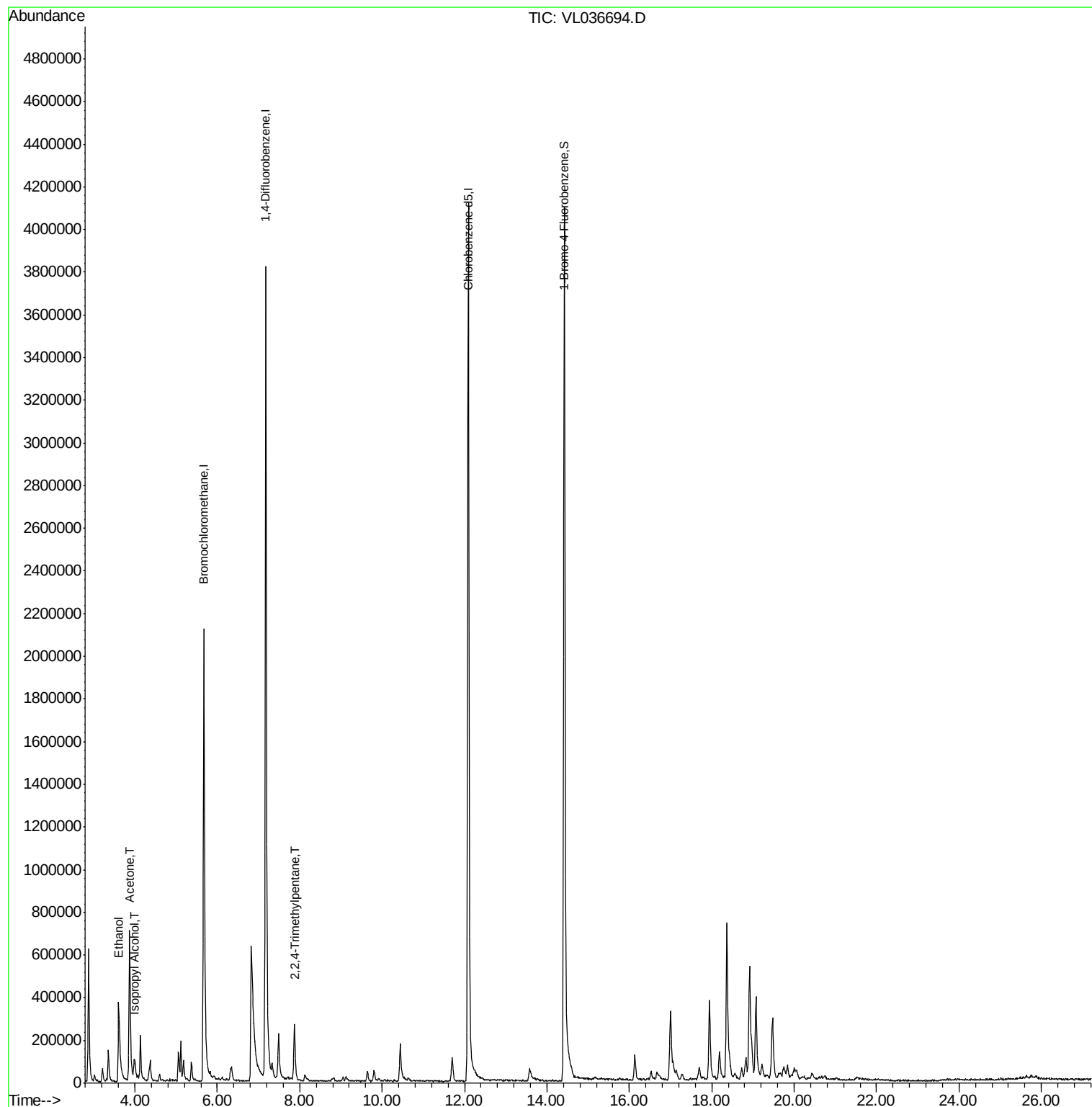
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040521\
Data File : VL036694.D
Acq On : 6 Apr 2021 4:54
Operator : SY/AP
Sample : M1877-10DL 40X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

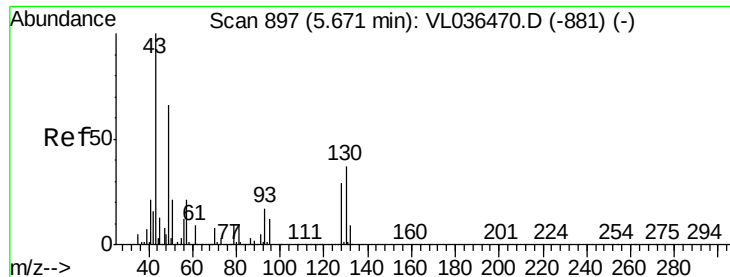
Instrument :
MSVOA_L
ClientSampleId :
UP-SG-7(2021)DL

Manual Integrations
APPROVED

MMDadoda
4/6/2021 5:14:46 PM

Quant Time: Apr 06 15:12:10 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# 897

Delta R.T. 0.00 min

Lab File: VL036694.D

Acq: 6 Apr 2021 4:54

Instrument :

MSVOA_L

ClientSampleId :

UP-SG-7(2021)DL

Tot Ion: 49 Resp: 1289212

Ion Ratio Lower Upper

49 100

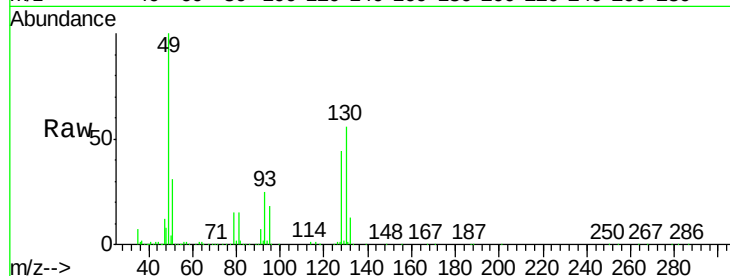
128 45.4 23.5 70.6

130 59.5 29.1 87.4

Manual Integrations
APPROVED

MMDadoda

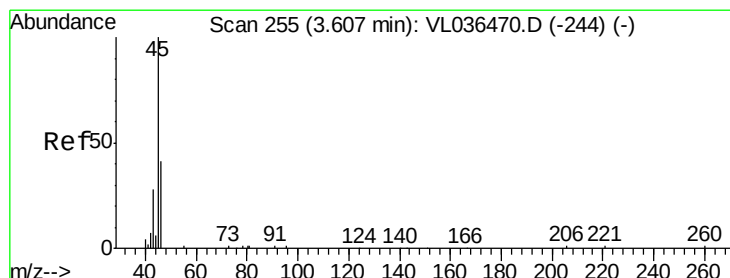
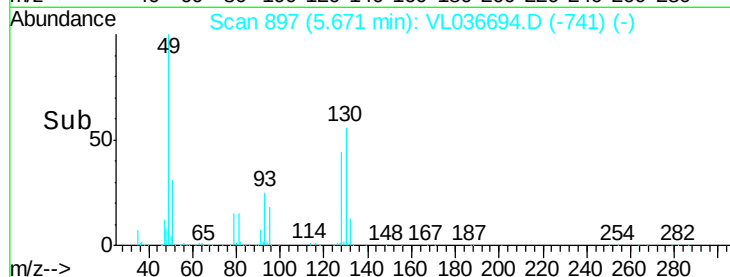
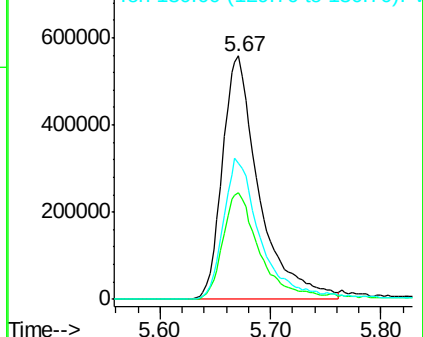
4/6/2021 5:14:46 PM



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



#13

Ethanol

Concen: 58.473 ppbv

RT: 3.61 min Scan# 255

Delta R.T. 0.00 min

Lab File: VL036694.D

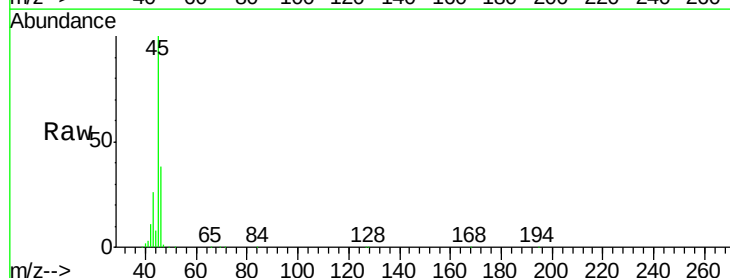
Acq: 6 Apr 2021 4:54

Tgt Ion: 45 Resp: 534696

Ion Ratio Lower Upper

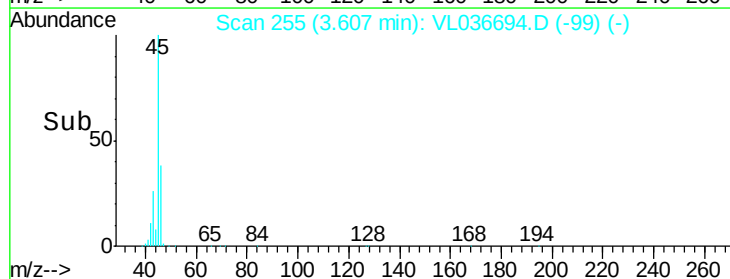
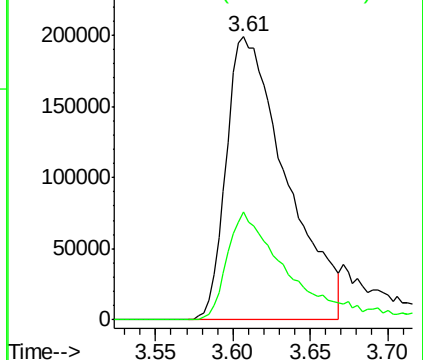
45 100

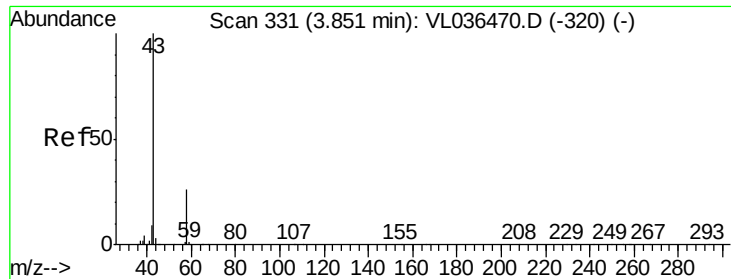
46 40.6 16.6 66.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





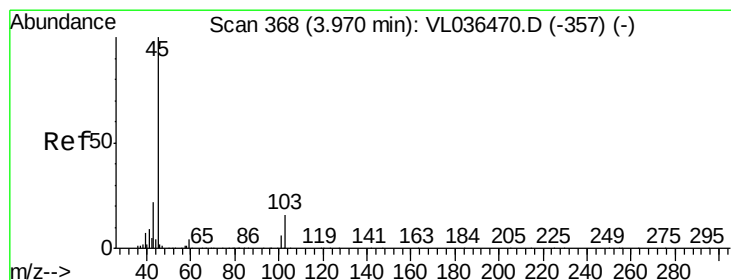
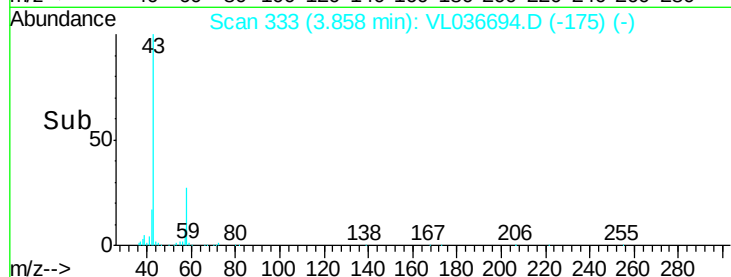
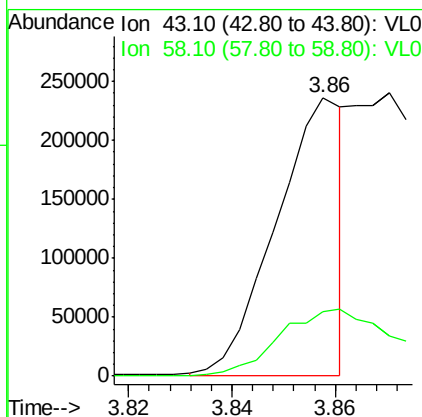
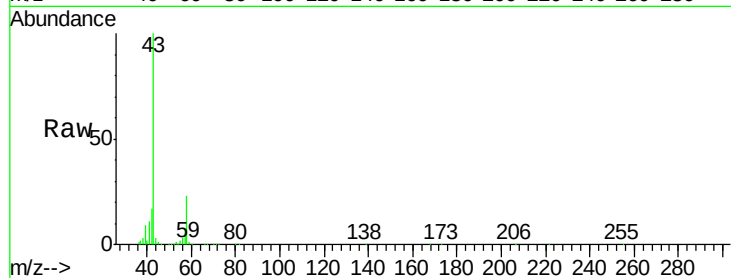
#15
Acetone
Concen: 1.684 ppbv m
RT: 3.86 min Scan# 333
Delta R.T. 0.01 min
Lab File: VL036694.D
Acq: 6 Apr 2021 4:54

Instrument :
MSVOA_L
ClientSampleId :
UP-SG-7(2021)DL

Tot Ion: 43 Resp: 213670
Ion Ratio Lower Upper
43 100
58 60.7 21.2 31.8#

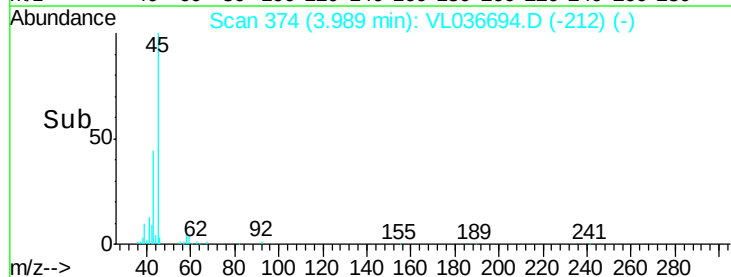
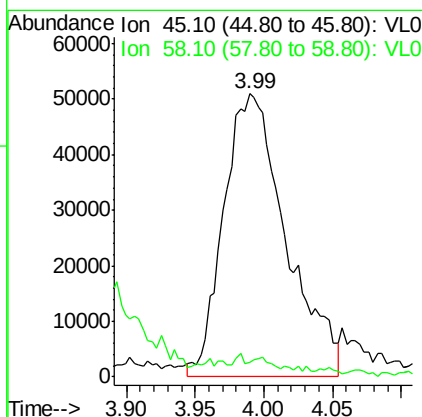
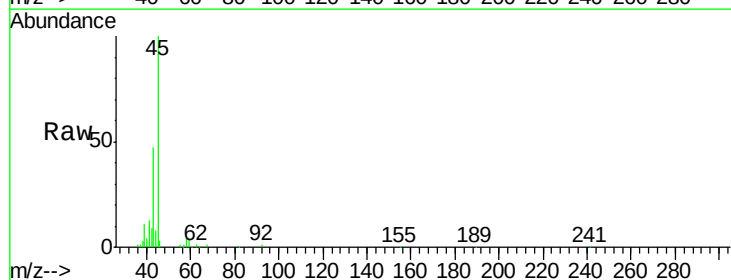
Manual Integrations
APPROVED

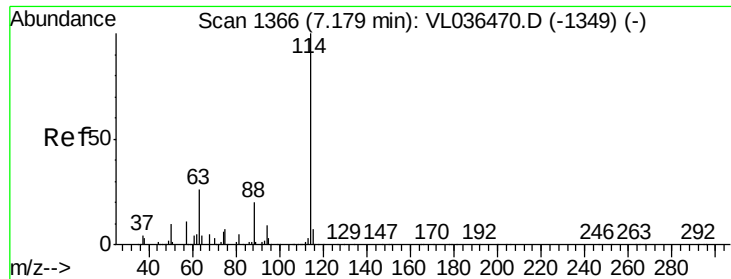
MMDadoda
4/6/2021 5:14:46 PM



#19
Isopropyl Alcohol
Concen: 2.303 ppbv m
RT: 3.99 min Scan# 374
Delta R.T. 0.02 min
Lab File: VL036694.D
Acq: 6 Apr 2021 4:54

Tgt Ion: 45 Resp: 160758
Ion Ratio Lower Upper
45 100
58 2.9 2.9 4.3





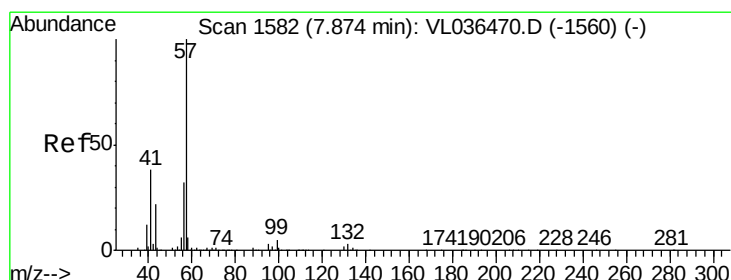
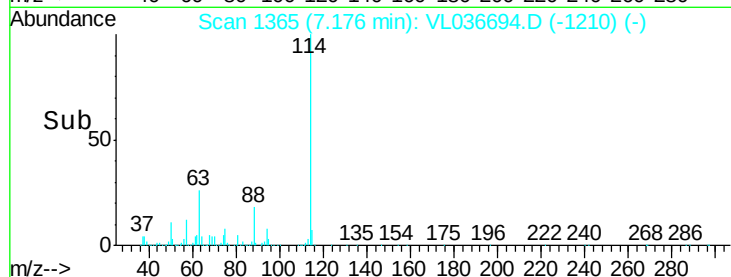
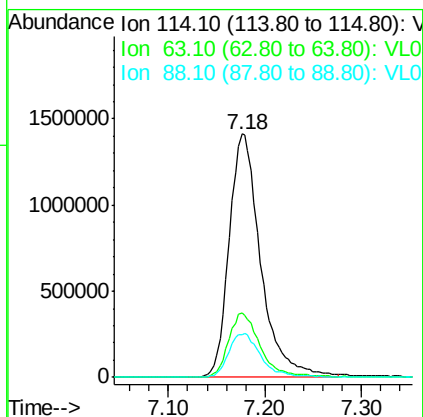
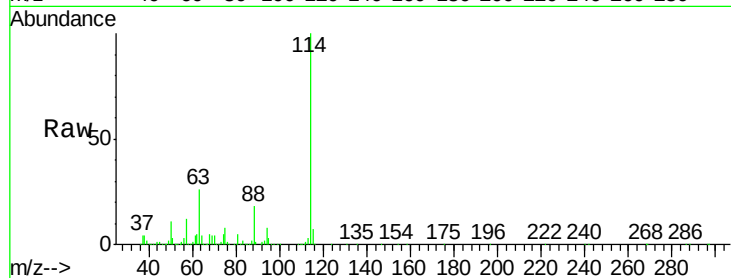
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VL036694.D
 Acq: 6 Apr 2021 4:54

Instrument :
 MSVOA_L
 ClientSampleId :
 UP-SG-7(2021)DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.1	22.4	33.6
88	18.8	15.4	23.0

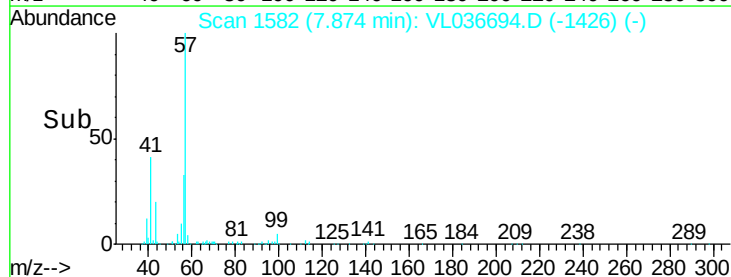
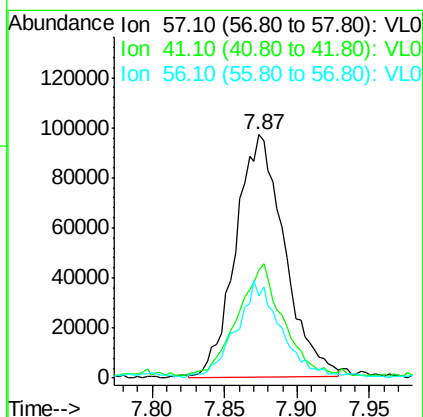
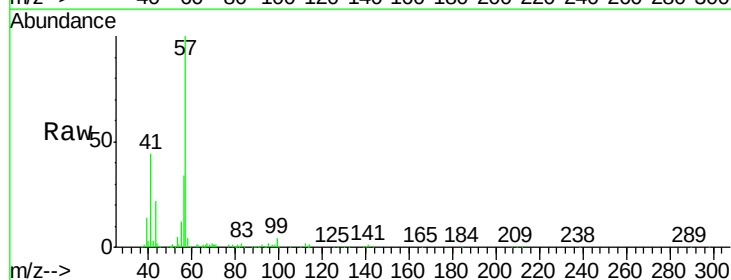
Manual Integrations
 APPROVED

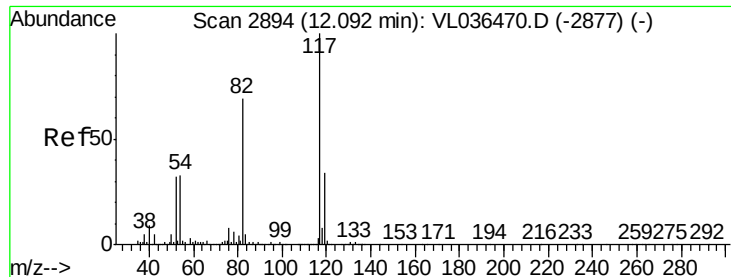
MMDadoda
 4/6/2021 5:14:46 PM



#44
 2,2,4-Trimethylpentane
 Concen: 0.438 ppbv
 RT: 7.87 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VL036694.D
 Acq: 6 Apr 2021 4:54

Tgt Ion	Ratio	Lower	Upper
57	100		
41	44.2	28.8	43.2#
56	38.5	26.1	39.1





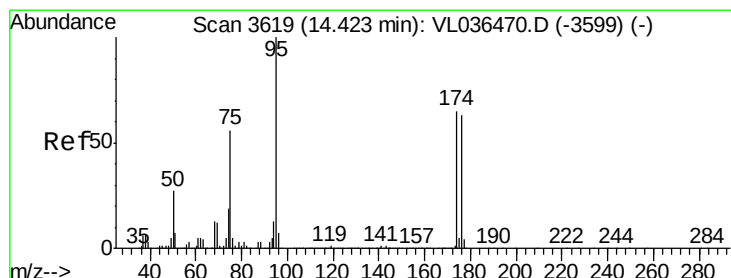
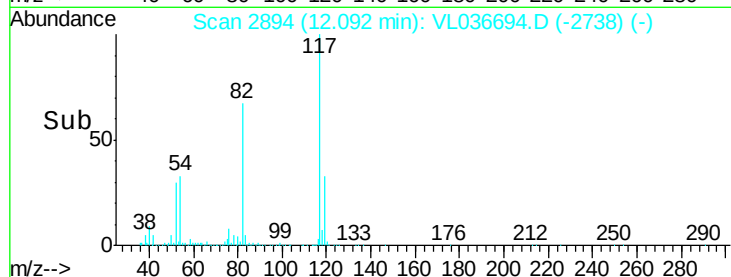
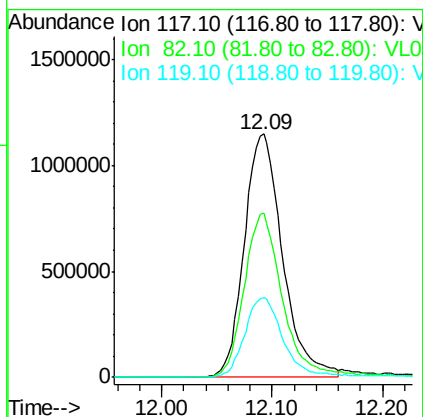
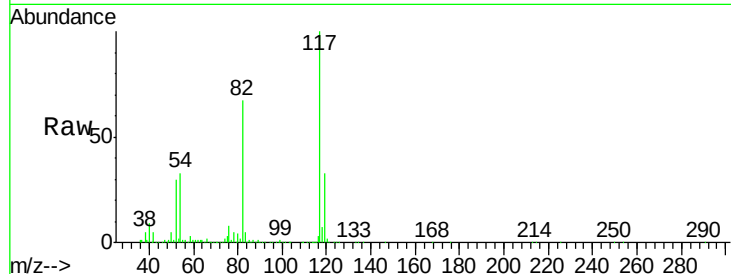
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. 0.00 min
Lab File: VL036694.D
Acq: 6 Apr 2021 4:54

Instrument :
MSVOA_L
ClientSampleId :
UP-SG-7(2021)DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.7	57.4	86.0
119	34.2	47.4	71.0#

Manual Integrations
APPROVED

MMDadoda
4/6/2021 5:14:46 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 9.653 ppbv
RT: 14.42 min Scan# 3619
Delta R.T. 0.00 min
Lab File: VL036694.D
Acq: 6 Apr 2021 4:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	68.0	51.0	76.6
175	5.0	3.9	5.9

