

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062221\
 Data File : VL037227.D
 Acq On : 22 Jun 2021 21:51
 Operator : SY/AP
 Sample : M2807-01DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-01DL

Manual Integrations
 APPROVED

MMDadoda
 6/24/2021 4:33:21 PM

Quant Time: Jun 23 07:25:12 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 1
 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	1538025	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4509356	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3932983	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2843613	9.54	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	73737	0.771	ppbv #	65
13) Ethanol	3.64	45	47541m	3.214	ppbv	
15) Acetone	3.87	43	108188m	0.624	ppbv	
20) Methylene Chloride	4.35	84	102218	0.984	ppbv	96
26) Hexane	5.69	57	62548	0.330	ppbv #	47
29) Chloroform	5.76	83	35878m	0.122	ppbv	
52) Tetrachloroethene	11.23	164	5291m	0.031	ppbv	
53) Toluene	9.81	91	86543m	0.199	ppbv	

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

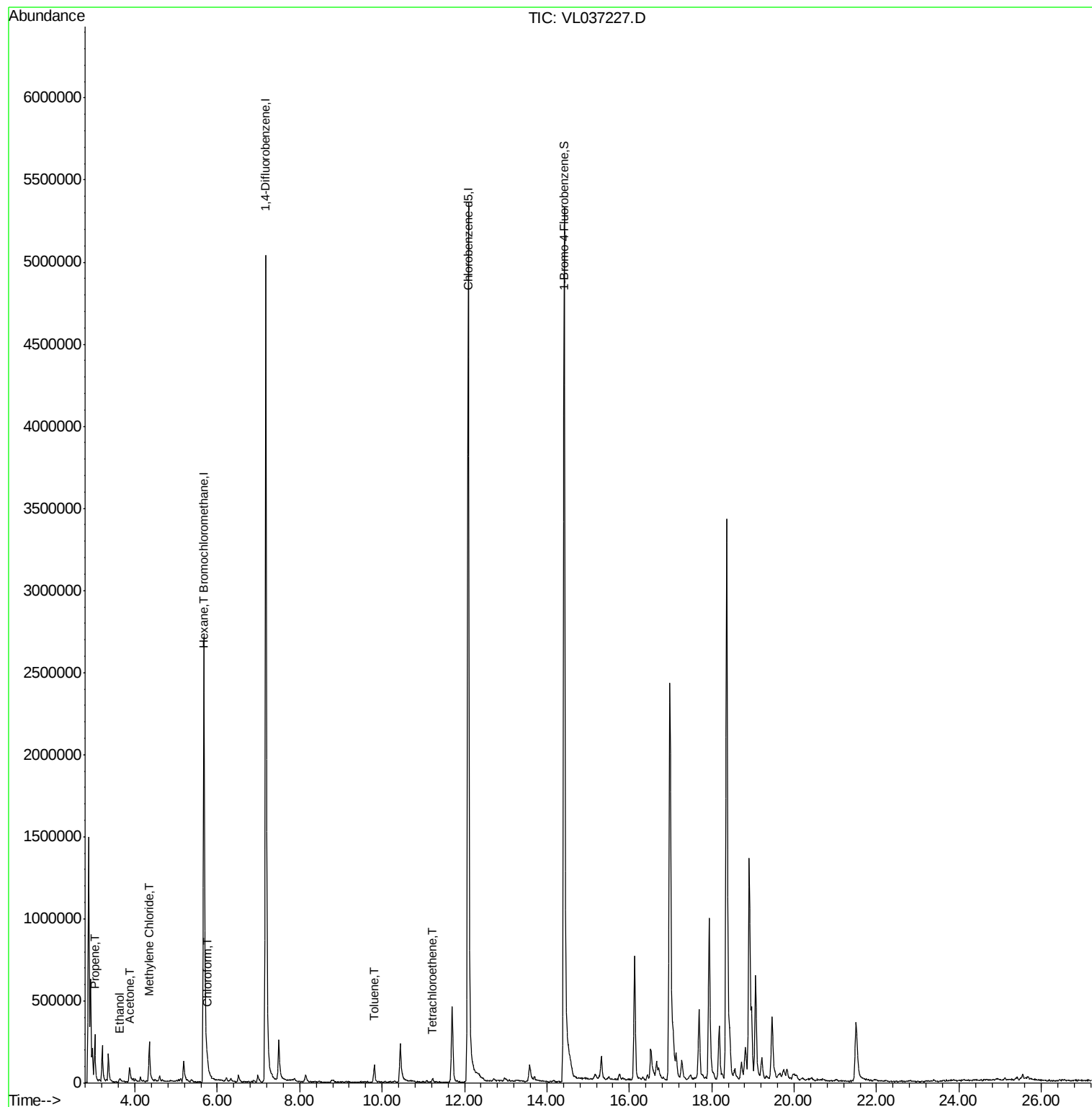
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL062221\
Data File : VL037227.D
Acq On : 22 Jun 2021 21:51
Operator : SY/AP
Sample : M2807-01DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

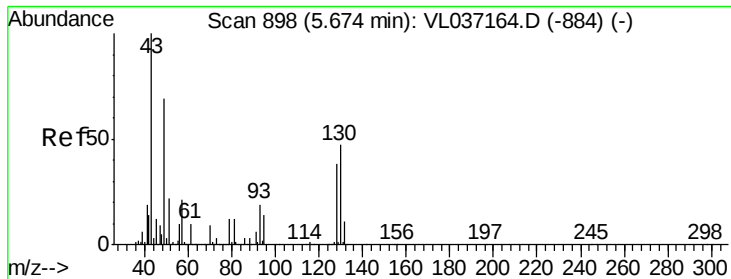
Instrument :
MSVOA_L
ClientSampleId :
SV-01DL

Manual Integrations
APPROVED

MMDadoda
6/24/2021 4:33:21 PM

Quant Time: Jun 23 07:25:12 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

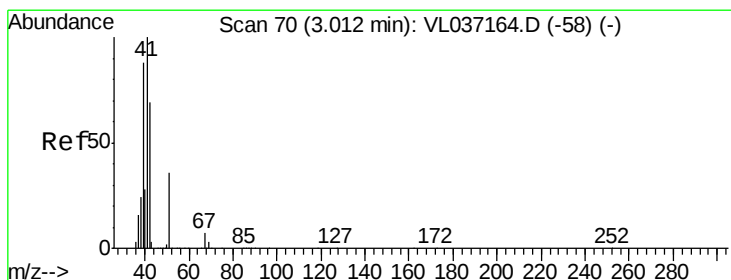
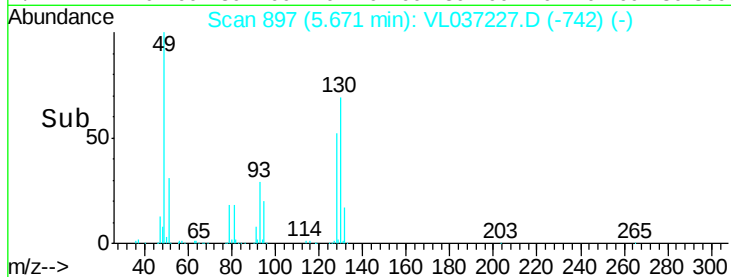
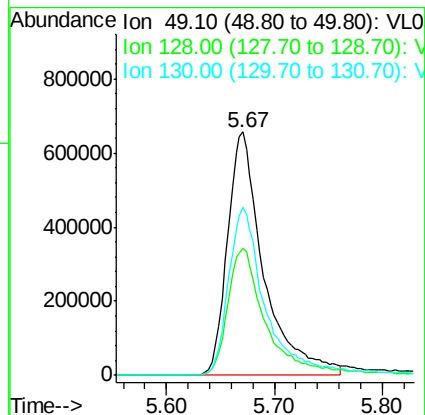
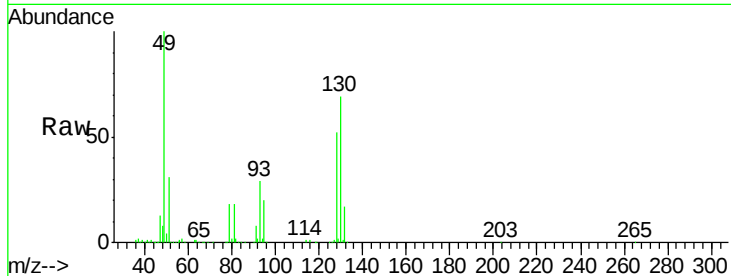
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 897
 Delta R.T. -0.00 min
 Lab File: VL037227.D
 Acq: 22 Jun 2021 21:51

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-01DL

Tot Ion: 49 Resp: 1538025
 Ion Ratio Lower Upper
 49 100
 128 56.7 29.3 88.0
 130 72.6 35.9 107.8

Manual Integrations
 APPROVED

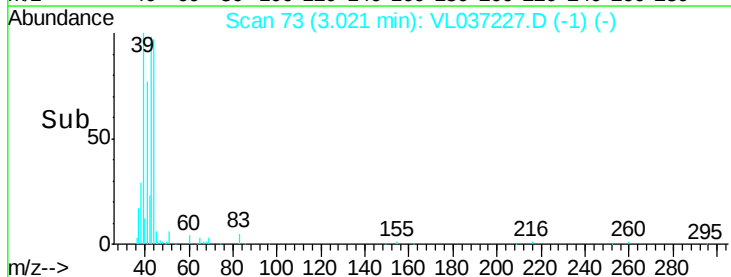
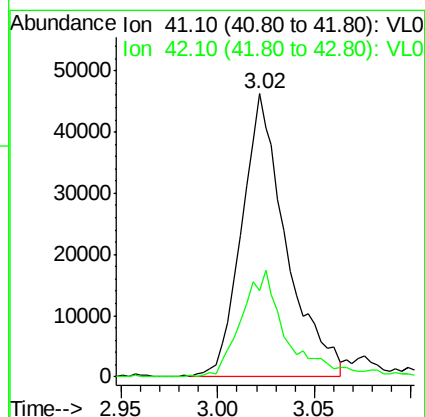
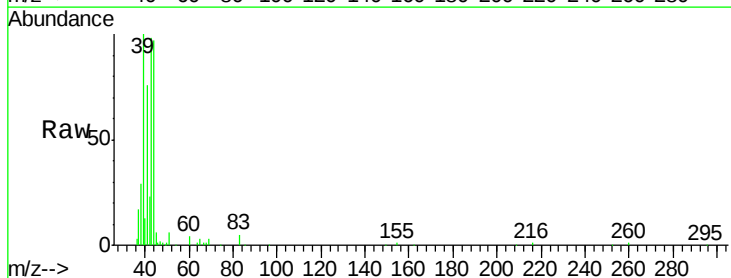
MMDadoda
 6/24/2021 4:33:21 PM

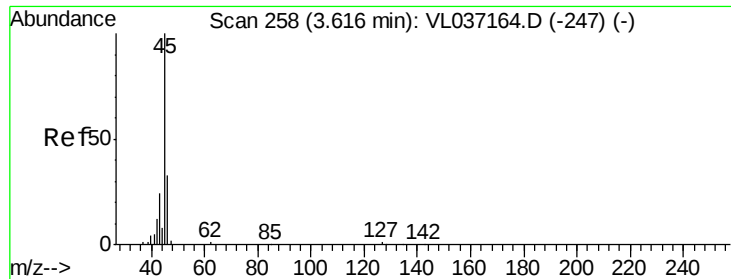


#9

Propene
 Concen: 0.771 ppbv
 RT: 3.02 min Scan# 73
 Delta R.T. 0.01 min
 Lab File: VL037227.D
 Acq: 22 Jun 2021 21:51

Tgt Ion: 41 Resp: 73737
 Ion Ratio Lower Upper
 41 100
 42 39.7 54.5 81.7#





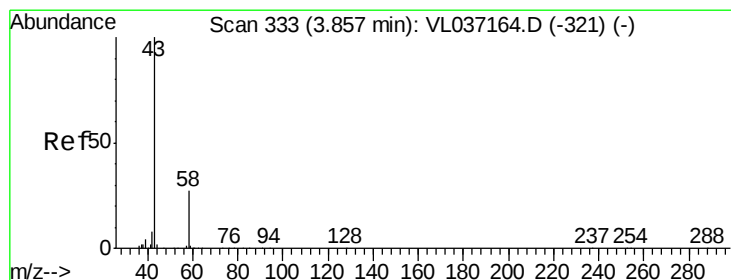
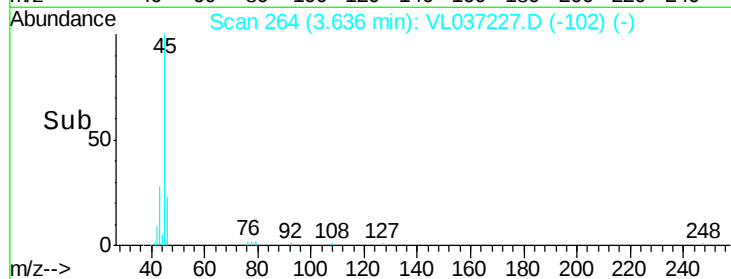
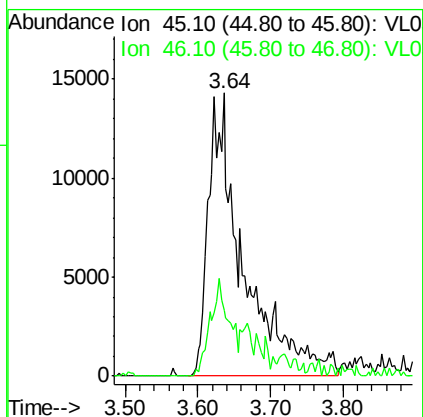
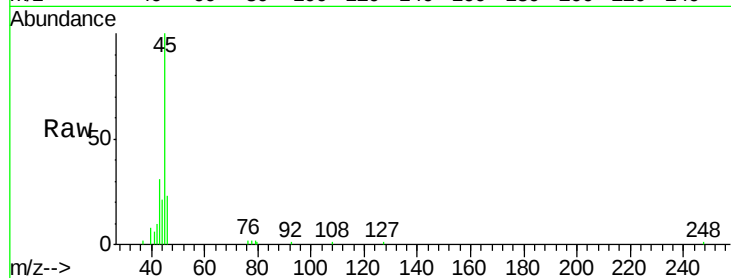
#13
Ethanol
Concen: 3.214 ppbv m
RT: 3.64 min Scan# 264
Delta R.T. 0.02 min
Lab File: VL037227.D
Acq: 22 Jun 2021 21:51

Instrument :
MSVOA_L
ClientSampleId :
SV-01DL

Tot Ion: 45 Resp: 47541
Ion Ratio Lower Upper
45 100
46 18.6 34.2 137.0#

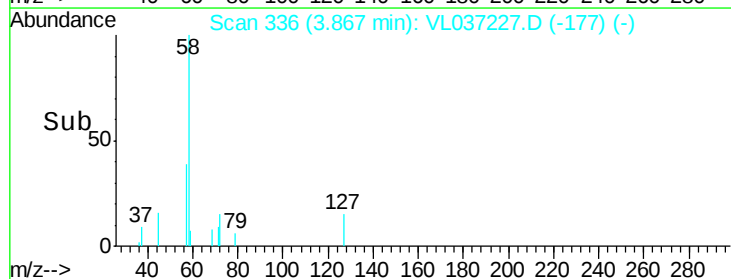
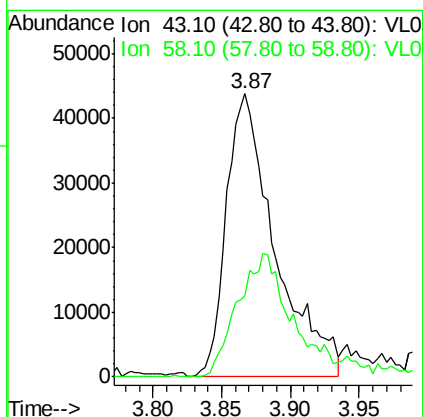
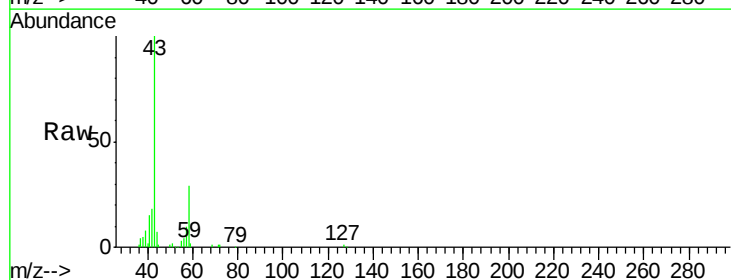
Manual Integrations
APPROVED

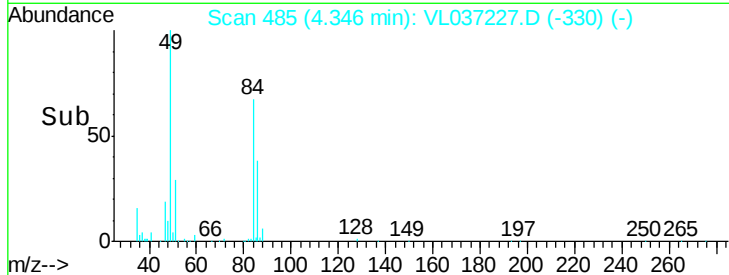
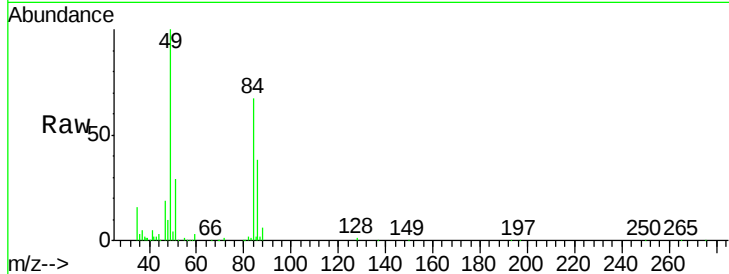
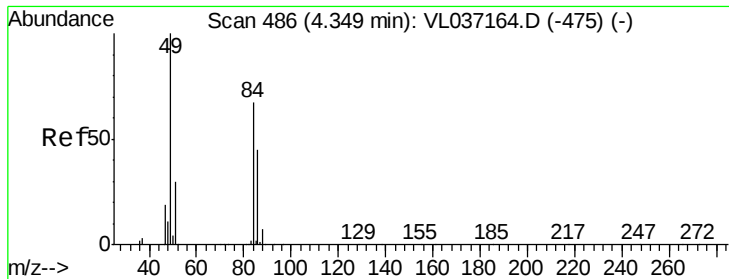
MMDadoda
6/24/2021 4:33:21 PM



#15
Acetone
Concen: 0.624 ppbv m
RT: 3.87 min Scan# 336
Delta R.T. 0.01 min
Lab File: VL037227.D
Acq: 22 Jun 2021 21:51

Tgt Ion: 43 Resp: 108188
Ion Ratio Lower Upper
43 100
58 53.8 23.7 35.5#





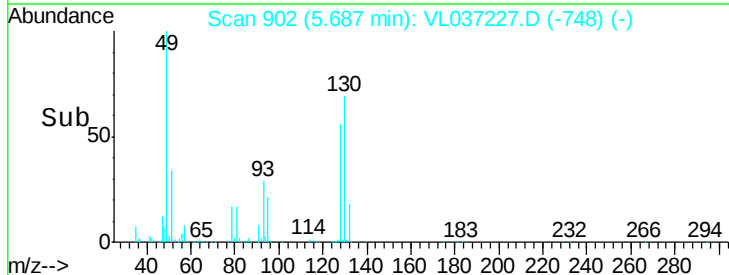
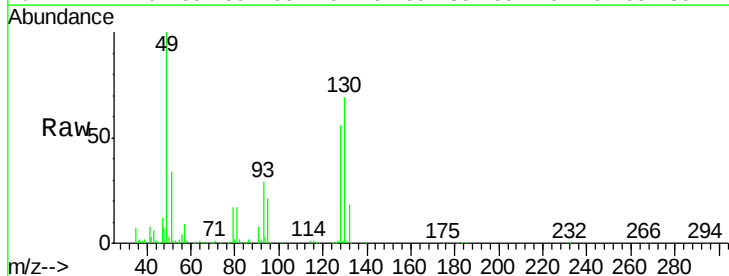
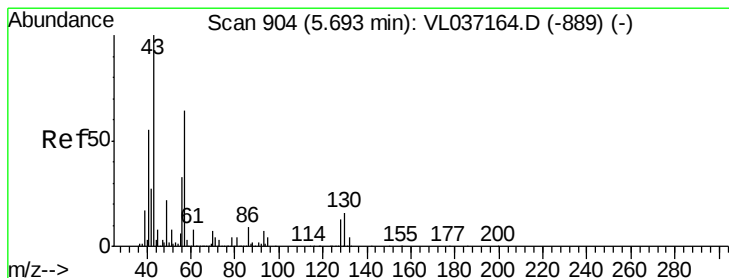
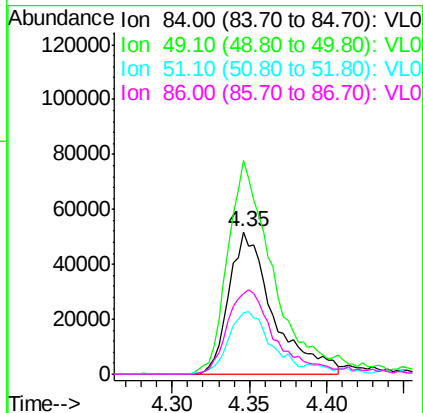
#20
Methvlene Chloride
Concen: 0.984 ppbv
RT: 4.35 min Scan# 485
Delta R.T. -0.00 min
Lab File: VL037227.D
Acq: 22 Jun 2021 21:51

Tot Ion	84	Resp	102218
Ion Ratio	Lower	Upper	
84	100		
49	150.2	119.7	179.5
51	43.7	36.1	54.1
86	56.2	53.7	80.5

Instrument :
MSVOA_L
ClientSampleId :
SV-01DL

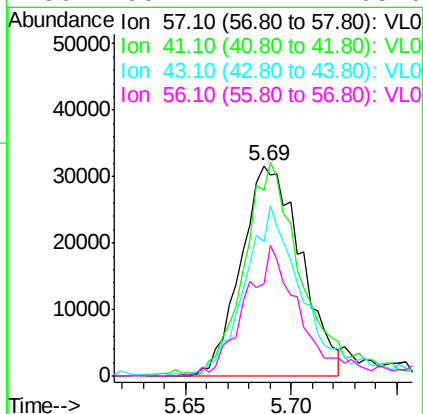
Manual Integrations
APPROVED

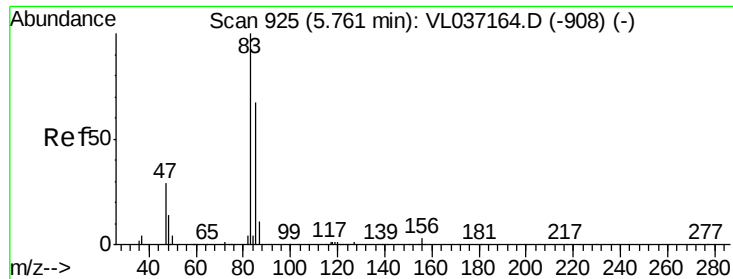
MMDadoda
6/24/2021 4:33:21 PM



#26
Hexane
Concen: 0.330 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL037227.D
Acq: 22 Jun 2021 21:51

Tgt Ion	57	Resp	62548
Ion Ratio	Lower	Upper	
57	100		
41	101.9	73.5	110.3
43	84.5	170.7	256.1
56	59.7	42.4	63.6





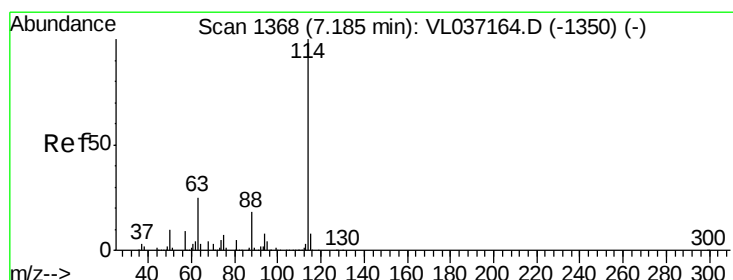
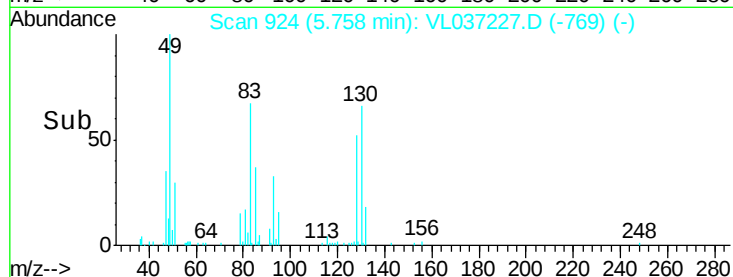
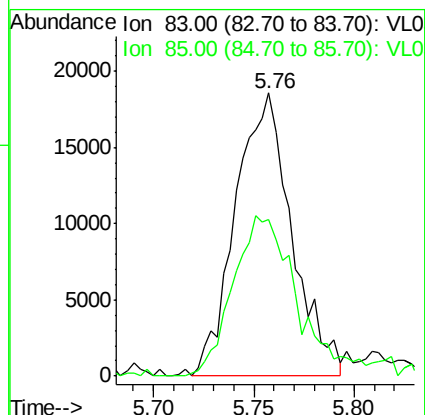
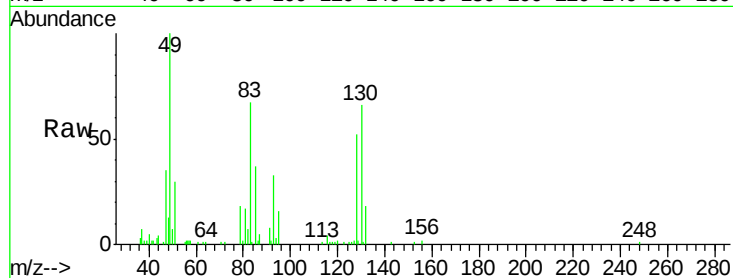
#29
Chloroform
Concen: 0.122 ppbv m
RT: 5.76 min Scan# 924
Delta R.T. -0.00 min
Lab File: VL037227.D
Acq: 22 Jun 2021 21:51

Instrument :
MSVOA_L
ClientSampleId :
SV-01DL

Tot Ion: 83 Resp: 35878
Ion Ratio Lower Upper
83 100
85 55.3 53.6 80.4

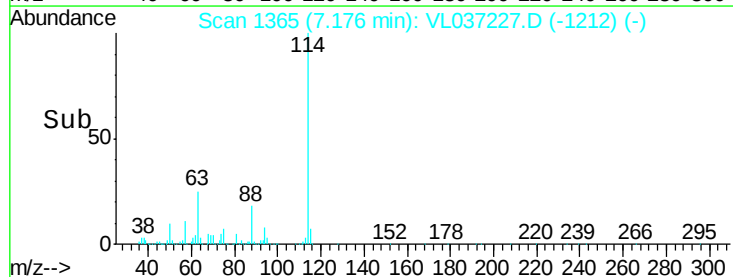
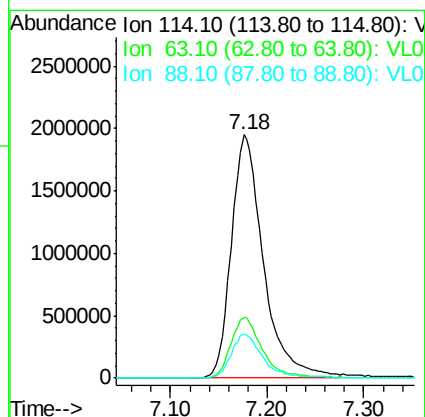
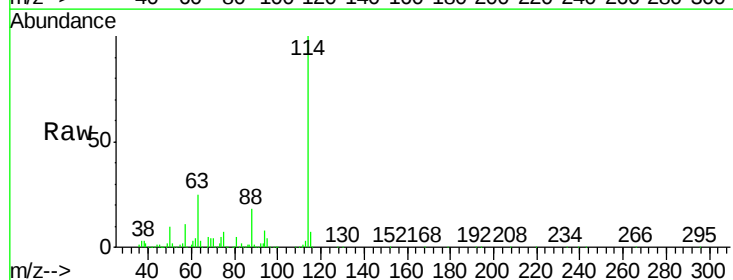
Manual Integrations
APPROVED

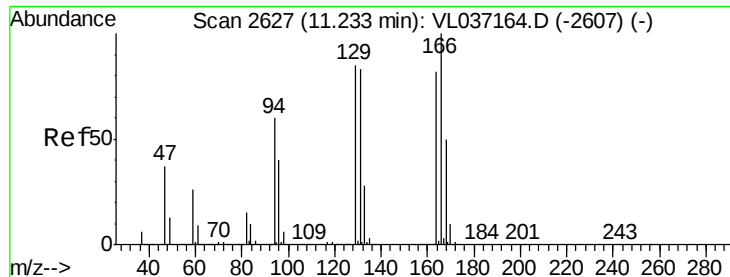
MMDadoda
6/24/2021 4:33:21 PM



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VL037227.D
Acq: 22 Jun 2021 21:51

Tgt Ion: 114 Resp: 4509356
Ion Ratio Lower Upper
114 100
63 24.8 19.6 29.4
88 18.1 14.2 21.2





#52

Tetrachloroethene

Concen: 0.031 ppbv m

RT: 11.23 min Scan# 2627

Delta R.T. -0.00 min

Lab File: VL037227.D

Acq: 22 Jun 2021 21:51

Instrument :

MSVOA_L

ClientSampleId :

SV-01DL

Tot Ion:164 Resp: 5291

Ion Ratio Lower Upper

164 100

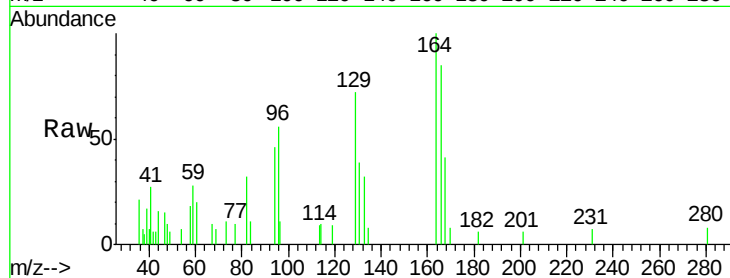
166 84.9 97.6 146.4#

129 71.8 82.9 124.3#

131 38.6 80.6 120.8#

Manual Integrations
APPROVED

MMDadoda
6/24/2021 4:33:21 PM

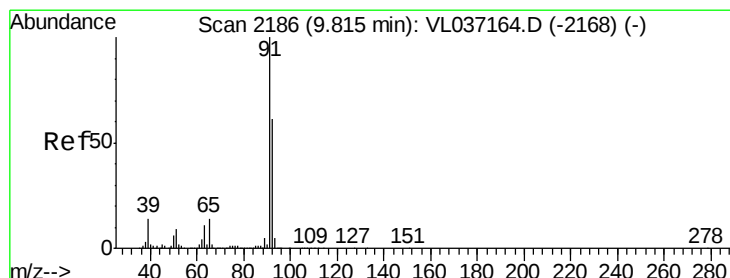
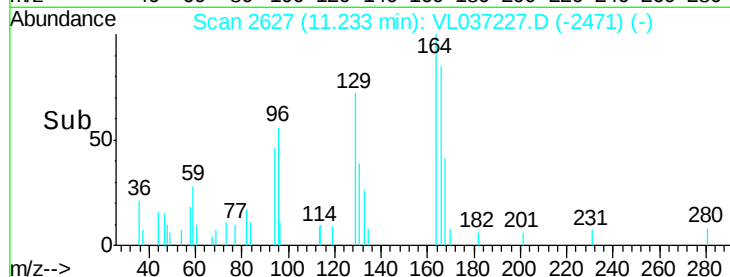
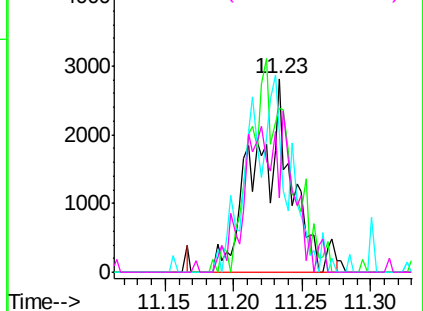


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.199 ppbv m

RT: 9.81 min Scan# 2184

Delta R.T. -0.01 min

Lab File: VL037227.D

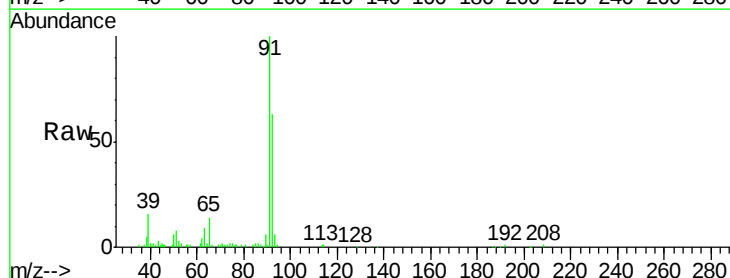
Acq: 22 Jun 2021 21:51

Tgt Ion: 91 Resp: 86543

Ion Ratio Lower Upper

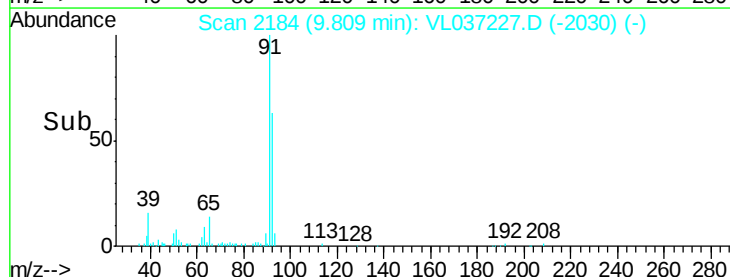
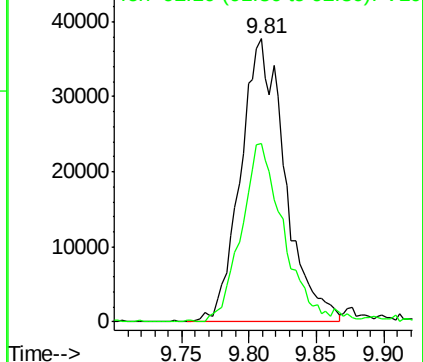
91 100

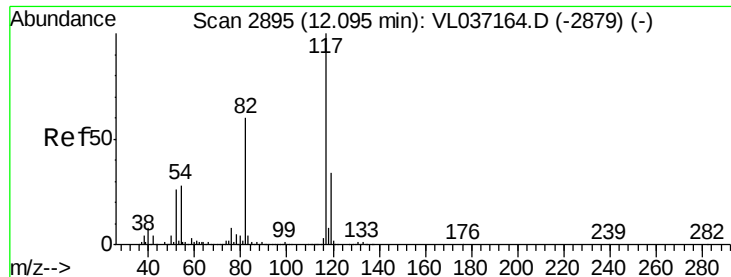
92 61.5 48.3 72.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





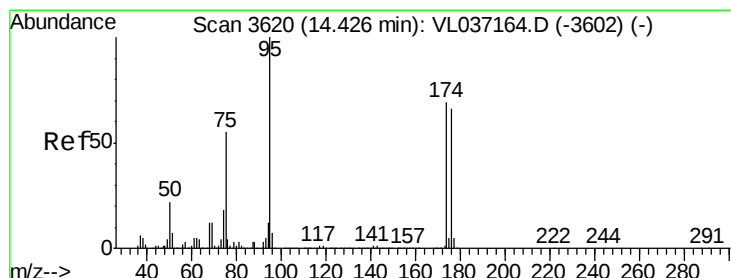
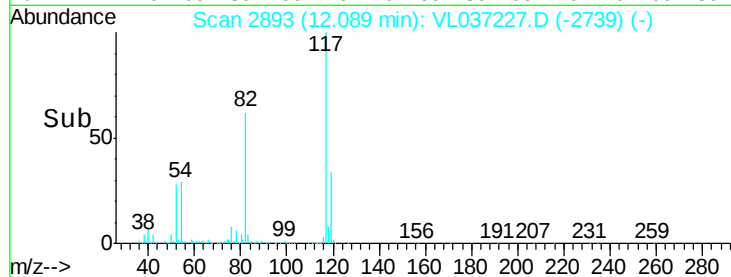
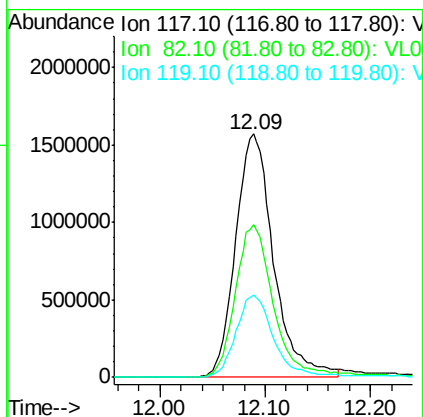
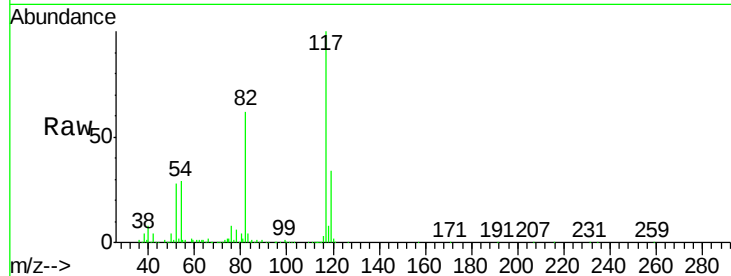
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL037227.D
Acq: 22 Jun 2021 21:51

Instrument :
MSVOA_L
ClientSampleId :
SV-01DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.9	51.7	77.5
119	35.2	47.6	71.4#

Manual Integrations
APPROVED

MMDadoda
6/24/2021 4:33:21 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 9.542 ppbv
RT: 14.42 min Scan# 3617
Delta R.T. -0.01 min
Lab File: VL037227.D
Acq: 22 Jun 2021 21:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.0	57.0	85.4
175	5.6	4.4	6.6

