

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051920\
 Data File : VL035075.D
 Acq On : 20 May 2020 11:08
 Operator : SY/AP
 Sample : OC051920 CAN 10268
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC051920 CAN 10268

Manual Integrations
 APPROVED

MMDadoda
 5/20/2020 4:28:47 PM

Quant Time: May 20 14:15:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1159121	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.16	114	2674533	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.09	117	2564192	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2104745	10.14	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.82	43	75063	0.490	ppbv	# 80
20) Methylene Chloride	4.30	84	19789m	0.390	ppbv	
38) Trichloroethene	7.83	130	10899m	0.128	ppbv	
52) Tetrachloroethene	11.23	164	36539m	0.466	ppbv	

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

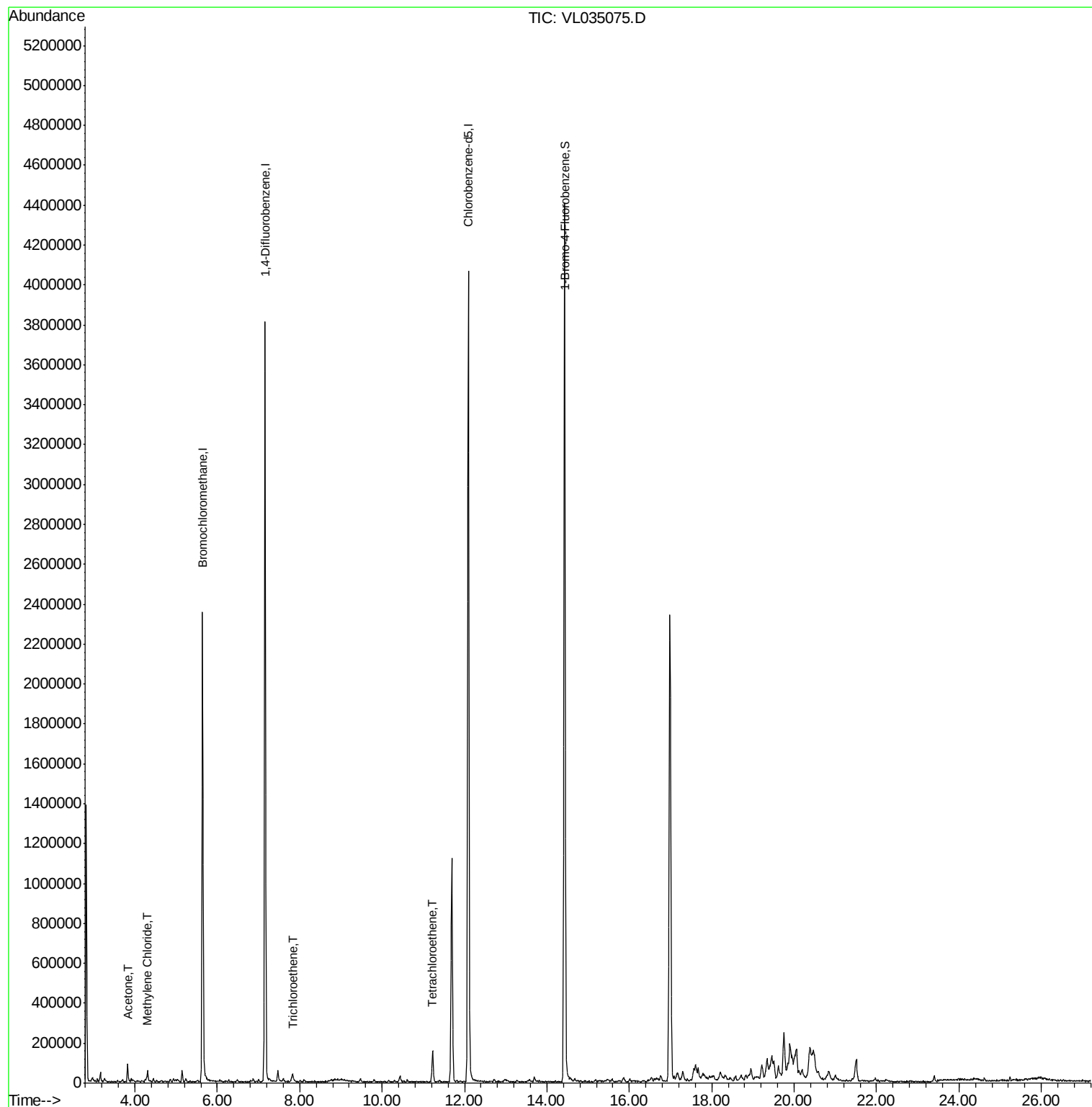
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051920\
Data File : VL035075.D
Acq On : 20 May 2020 11:08
Operator : SY/AP
Sample : OC051920 CAN 10268
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

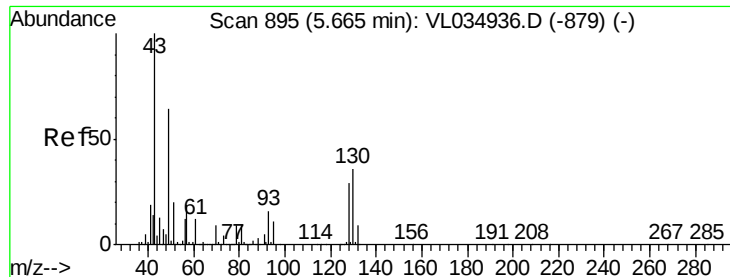
Instrument :
MSVOA_L
ClientSampleId :
QC051920 CAN 10268

Manual Integrations
APPROVED

MMDadoda
5/20/2020 4:28:47 PM

Quant Time: May 20 14:15:06 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed May
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration





#1

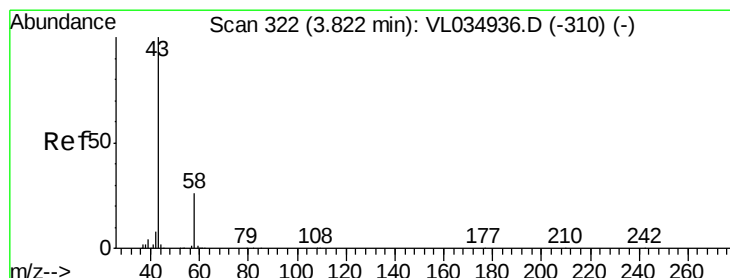
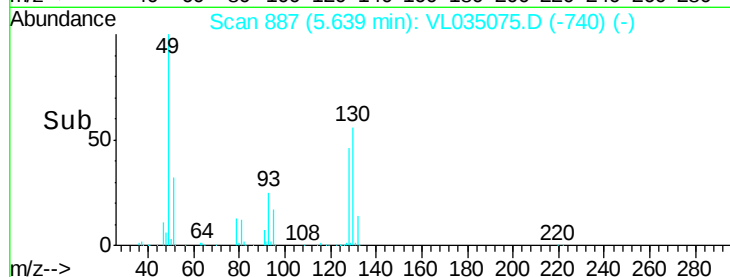
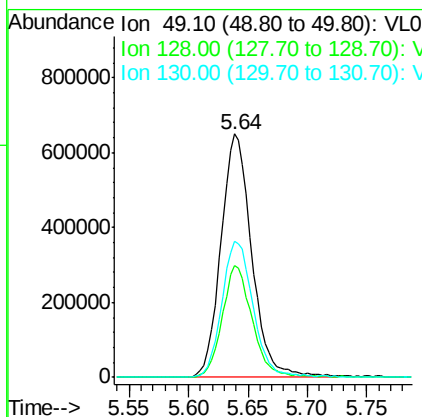
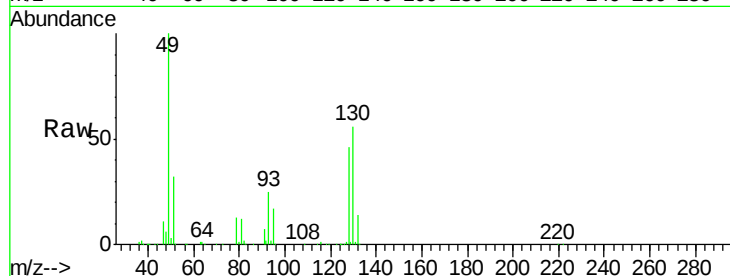
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.64 min Scan# 887
 Delta R.T. -0.03 min
 Lab File: VL035075.D
 Acq: 20 May 2020 11:08

Instrument :
 MSVOA_L
 ClientSampleId :
 QC051920 CAN 10268

Tot Ion	Ratio	Lower	Upper
49	100		
128	45.0	22.1	66.5
130	57.4	29.1	87.3

Manual Integrations
 APPROVED

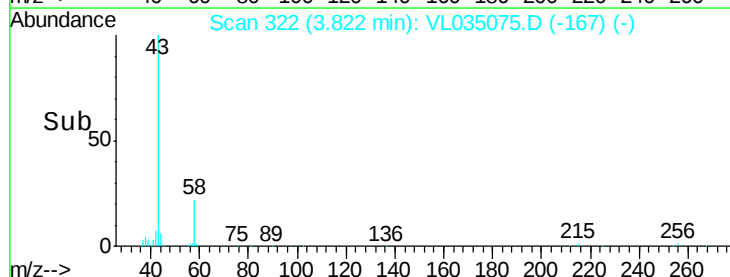
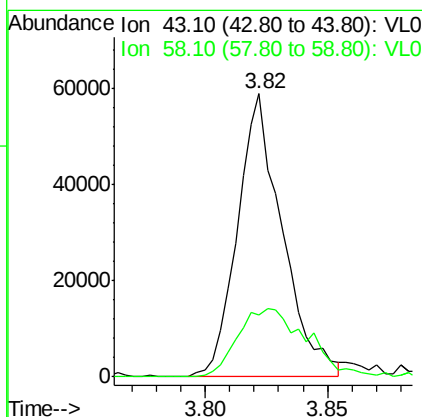
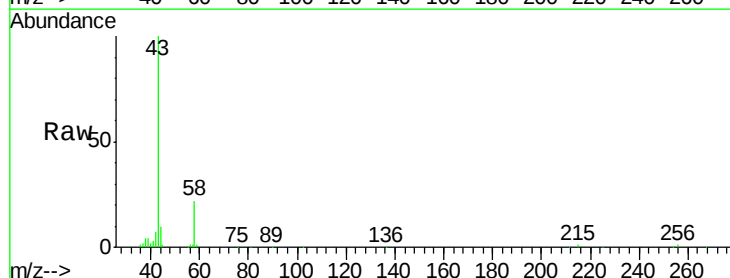
MMDadoda
 5/20/2020 4:28:47 PM

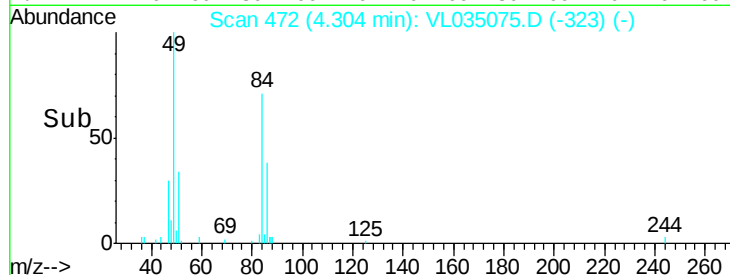
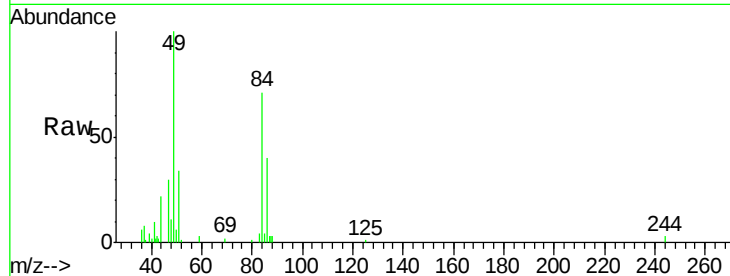
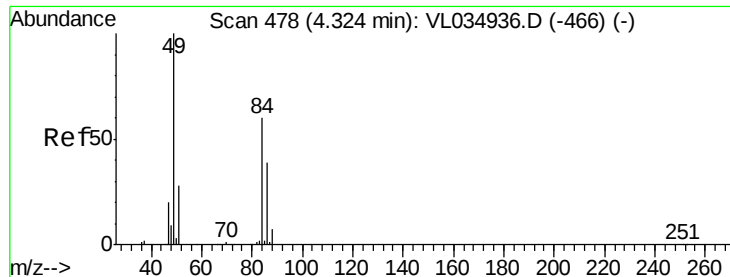


#15

Acetone
 Concen: 0.490 ppbv
 RT: 3.82 min Scan# 322
 Delta R.T. -0.00 min
 Lab File: VL035075.D
 Acq: 20 May 2020 11:08

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.5	21.7	32.5#





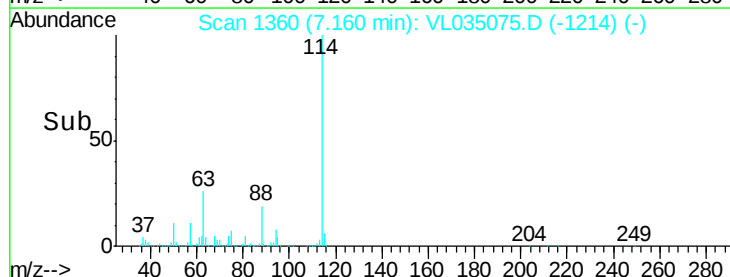
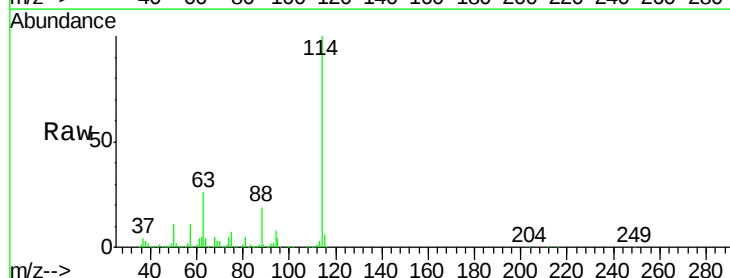
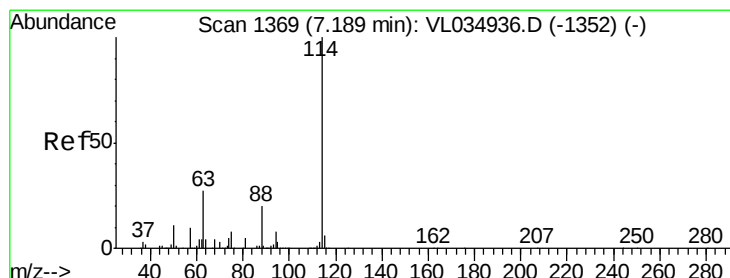
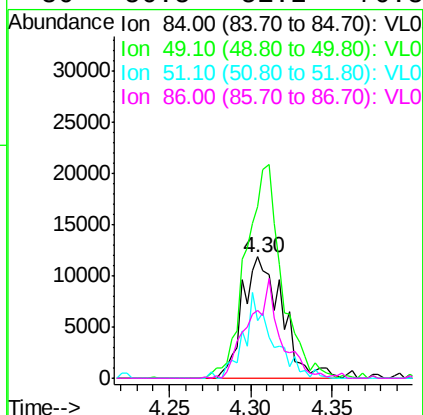
#20
Methvlene Chloride
Concen: 0.390 ppbv m
RT: 4.30 min Scan# 472
Delta R.T. -0.02 min
Lab File: VL035075.D
Acq: 20 May 2020 11:08

Tot Ion	84	Resp	19789
Ion Ratio	Lower	Upper	
84	100		
49	141.8	132.5	198.7
51	47.8	38.4	57.6
86	56.5	51.2	76.8

Instrument :
MSVOA_L
ClientSampleId :
QC051920 CAN 10268

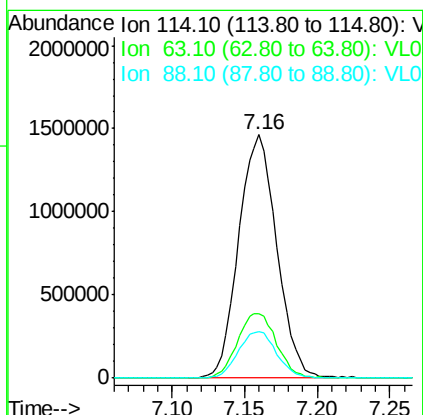
Manual Integrations
APPROVED

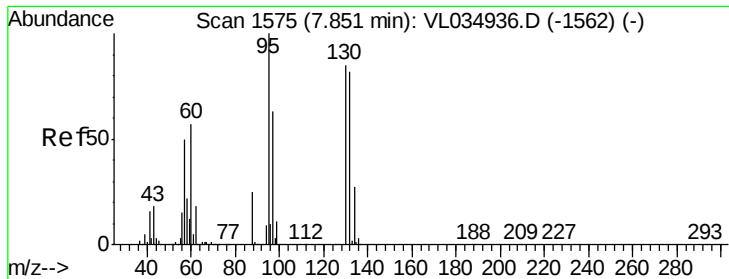
MMDadoda
5/20/2020 4:28:47 PM



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.03 min
Lab File: VL035075.D
Acq: 20 May 2020 11:08

Tgt Ion	114	Resp	2674533
Ion Ratio	Lower	Upper	
114	100		
63	27.2	22.2	33.4
88	19.4	15.5	23.3





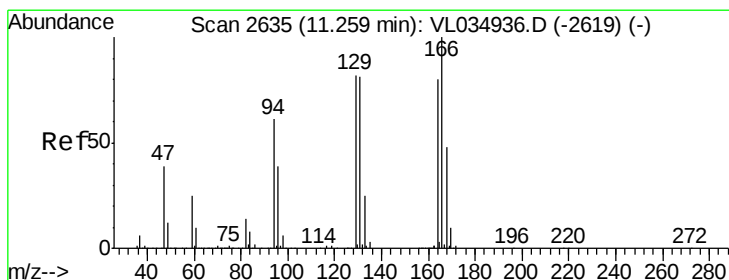
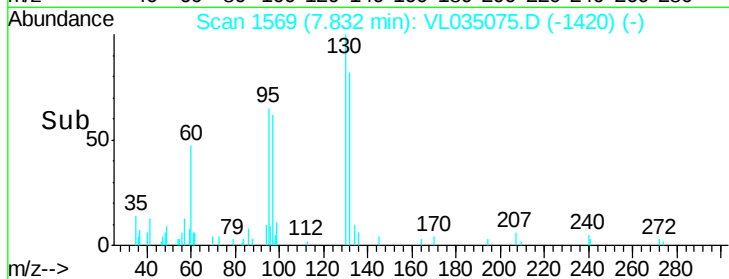
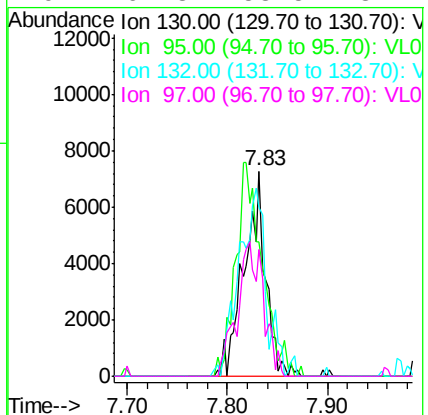
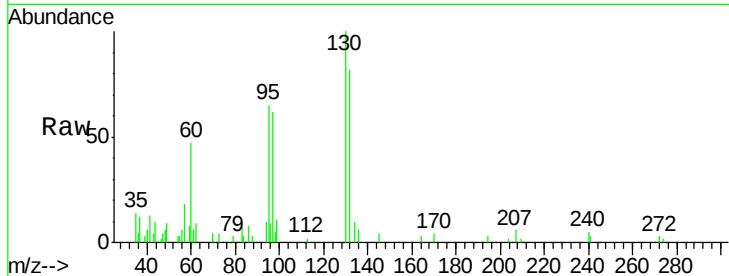
#38
 Trichloroethene
 Concen: 0.128 ppbv m
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.02 min
 Lab File: VL035075.D
 Acq: 20 May 2020 11:08

Instrument :
 MSVOA_L
 ClientSampleId :
 QC051920 CAN 10268

Tot Ion	Ratio	Lower	Upper
130	100		
95	65.2	93.4	140.0#
132	82.0	76.4	114.6
97	61.8	58.5	87.7

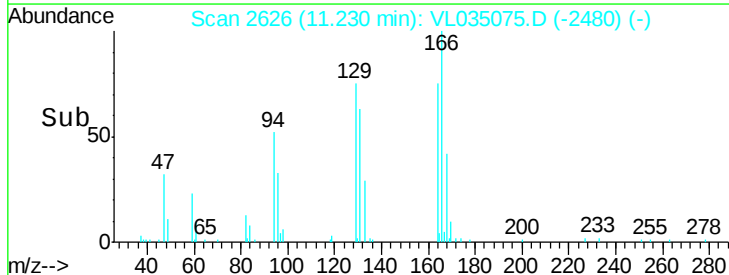
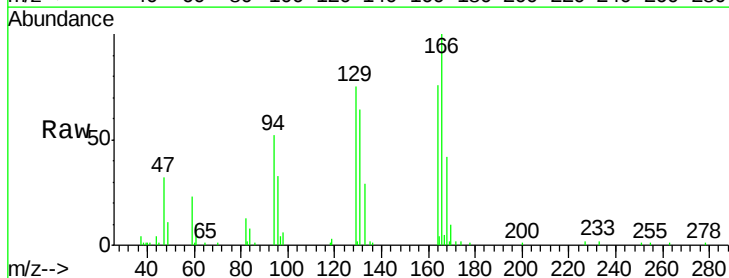
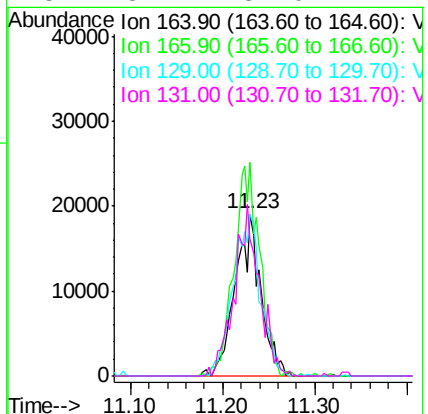
Manual Integrations
 APPROVED

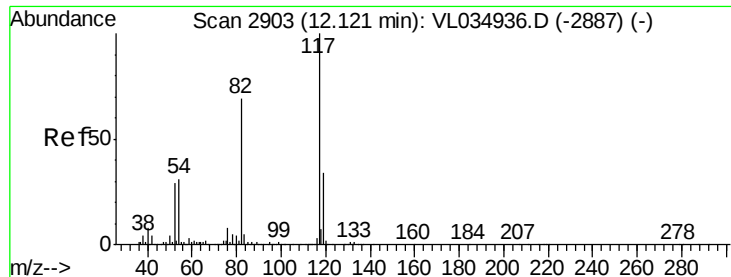
MMDadoda
 5/20/2020 4:28:47 PM



#52
 Tetrachloroethene
 Concen: 0.466 ppbv m
 RT: 11.23 min Scan# 2626
 Delta R.T. -0.03 min
 Lab File: VL035075.D
 Acq: 20 May 2020 11:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.0	100.7	151.1
129	99.5	83.0	124.4
131	84.7	81.0	121.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. -0.03 min

Lab File: VL035075.D

Acq: 20 May 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

QC051920 CAN 10268

Tot Ion:117 Resp: 2564192

Ion Ratio Lower Upper

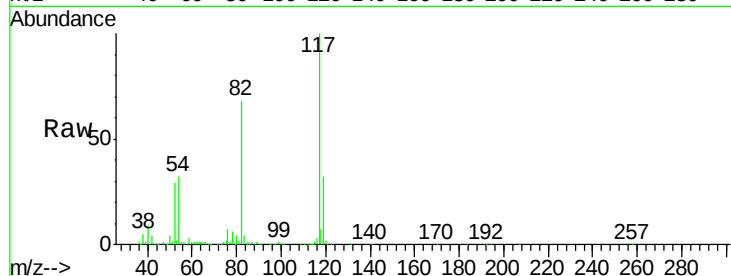
117 100

82 68.2 53.1 79.7

119 33.1 26.7 40.1

Manual Integrations
APPROVED

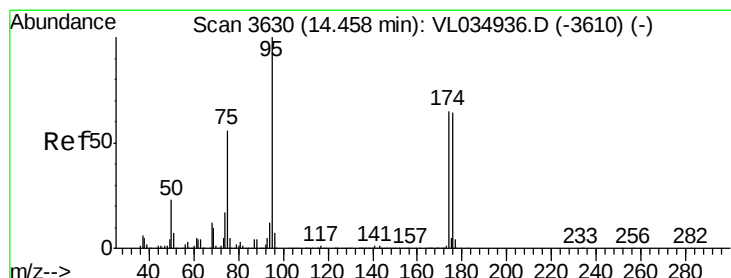
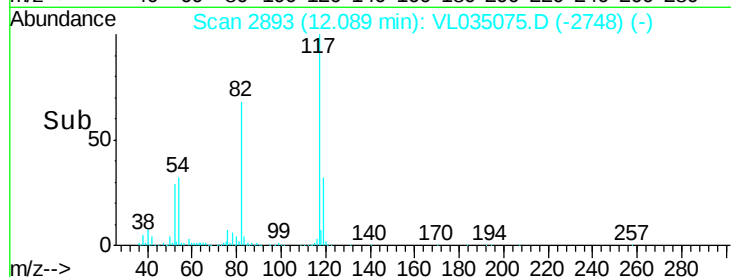
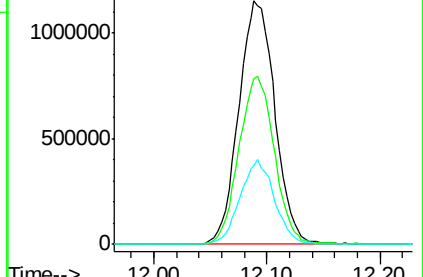
MMDadoda
5/20/2020 4:28:47 PM



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



#68

1-Bromo-4-Fluorobenzene

Concen: 10.141 ppbv

RT: 14.43 min Scan# 3621

Delta R.T. -0.03 min

Lab File: VL035075.D

Acq: 20 May 2020 11:08

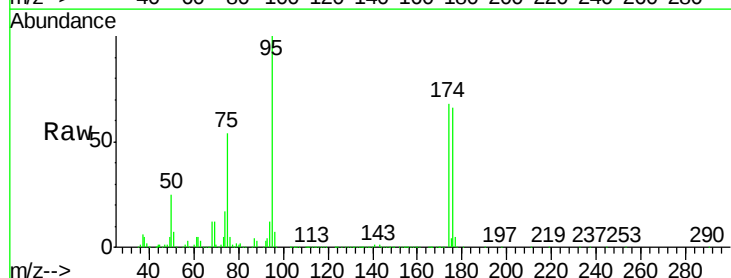
Tgt Ion: 95 Resp: 2104745

Ion Ratio Lower Upper

95 100

174 67.0 51.5 77.3

175 4.9 3.8 5.8



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

