

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031720\
 Data File : VL034920.D
 Acq On : 17 Mar 2020 18:03
 Operator : SY/AP
 Sample : L1952-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL

Manual Integrations
 APPROVED

MMDadoda
 3/18/2020 5:35:49 PM

Quant Time: Mar 18 17:24:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 0
 QLast Update : Mon Mar 09 16:42:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1061056	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2253568	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2230408	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1866883	10.73	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	11307	0.200	ppbv	# 82
13) Ethanol	3.58	45	44461	2.584	ppbv	98
15) Acetone	3.83	43	208227	1.514	ppbv	100
34) 2-Butanone	5.24	43	54331m	0.363	ppbv	
41) Tetrahydrofuran	6.08	42	19298m	0.238	ppbv	
53) Toluene	9.82	91	33966	0.146	ppbv	92

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

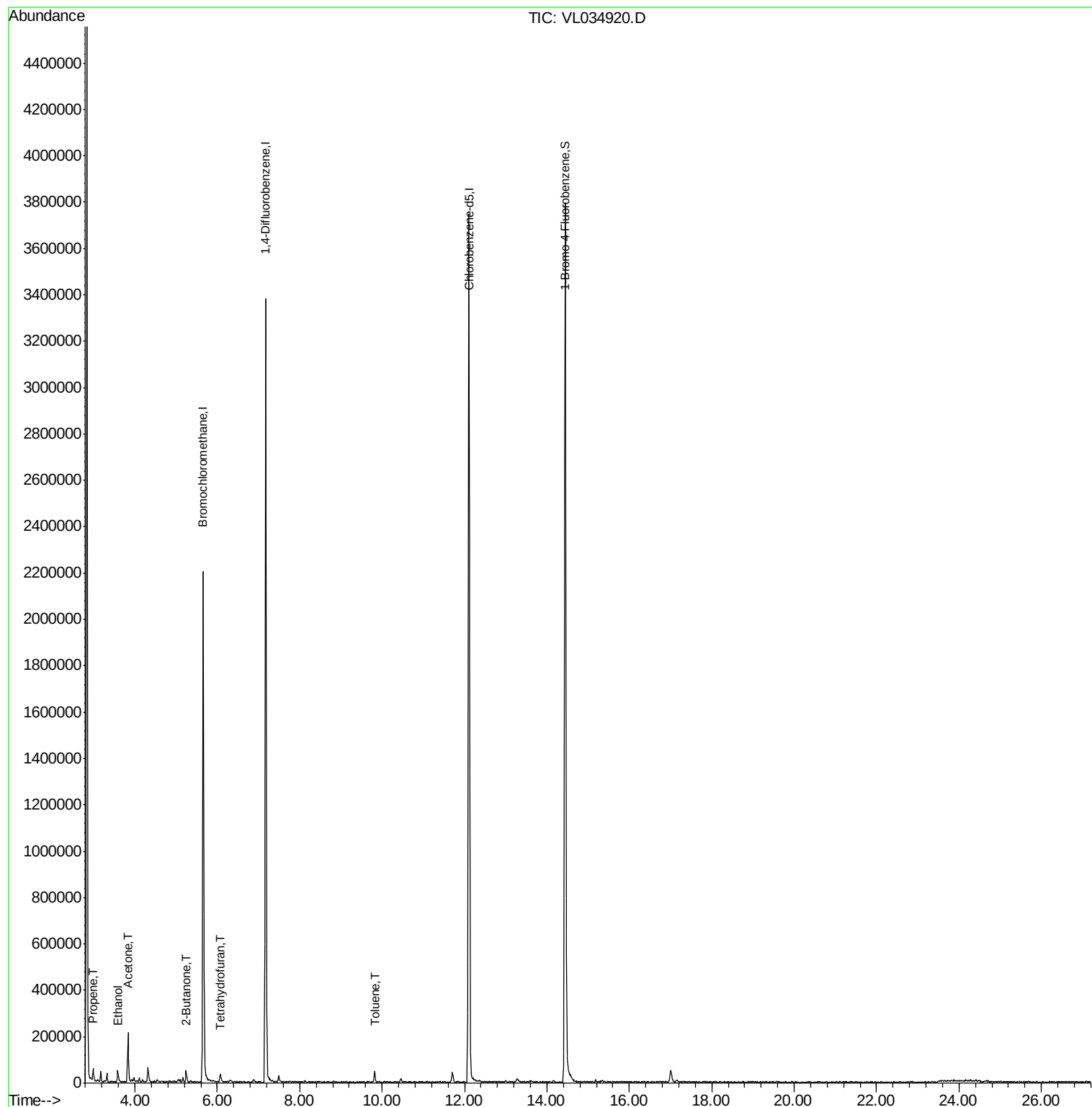
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL031720\
Data File : VL034920.D
Acq On : 17 Mar 2020 18:03
Operator : SY/AP
Sample : L1952-02DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

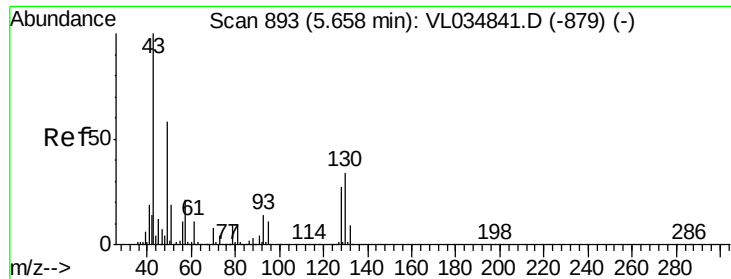
Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Manual Integrations
APPROVED

MMDadoda
3/18/2020 5:35:49 PM

Quant Time: Mar 18 17:24:02 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.00 min

Lab File: VL034920.D

Acq: 17 Mar 2020 18:03

Instrument :

MSVOA_L

ClientSampled :

IA-1DL

Tot Ion: 49 Resp: 1061056

Ion Ratio Lower Upper

49 100

128 45.8 23.4 70.3

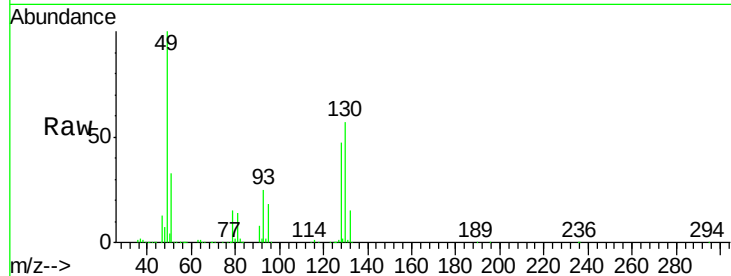
130 57.1 30.0 90.0

Manual Integrations

APPROVED

MMDadoda

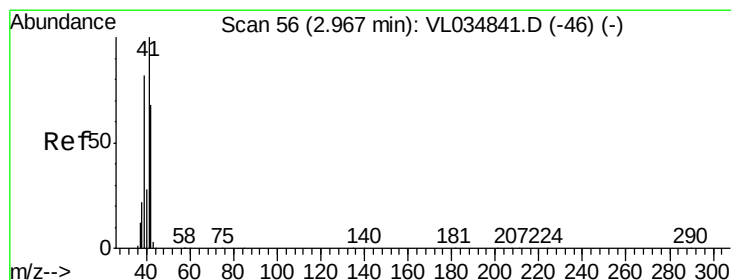
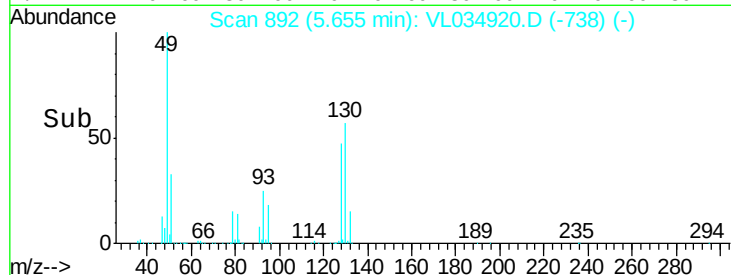
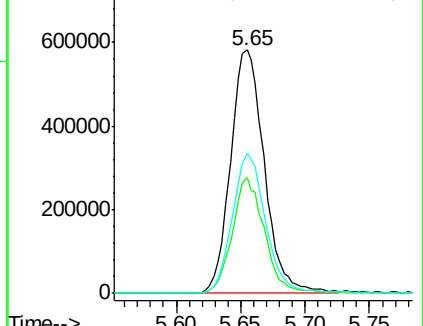
3/18/2020 5:35:49 PM



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



#9

Propene

Concen: 0.200 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.02 min

Lab File: VL034920.D

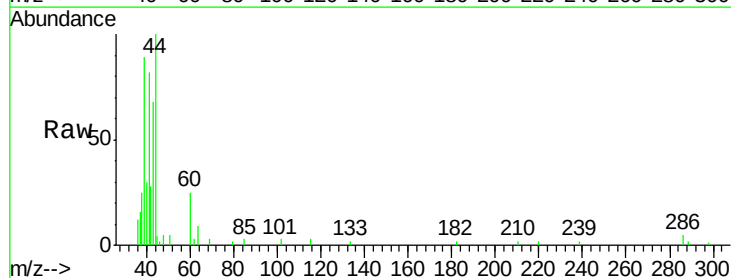
Acq: 17 Mar 2020 18:03

Tgt Ion: 41 Resp: 11307

Ion Ratio Lower Upper

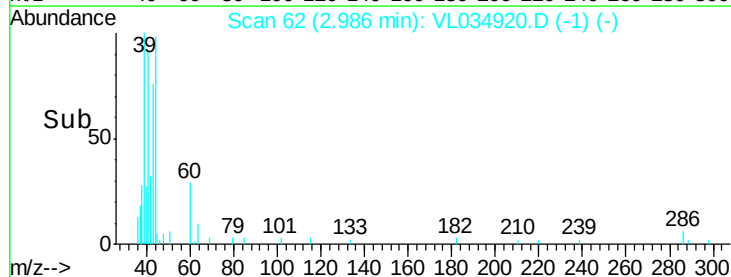
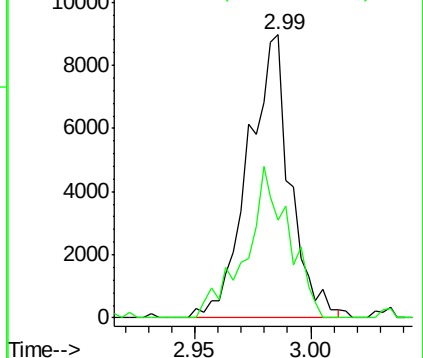
41 100

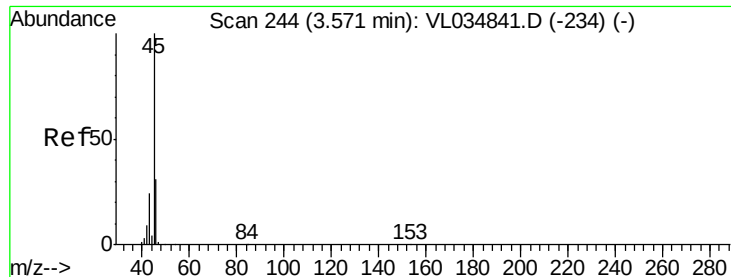
42 54.6 55.2 82.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





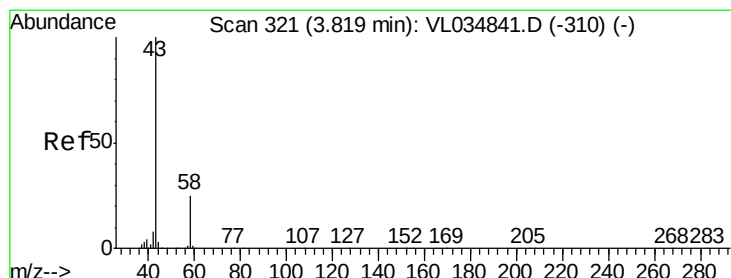
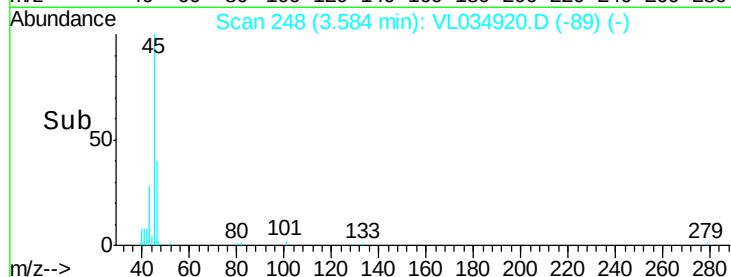
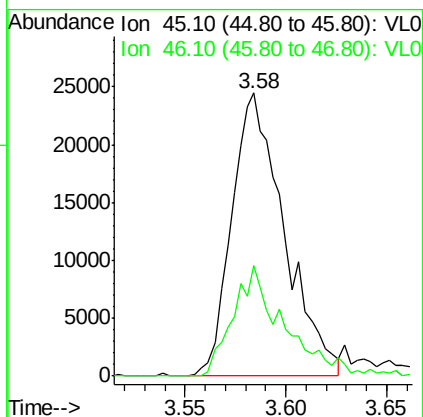
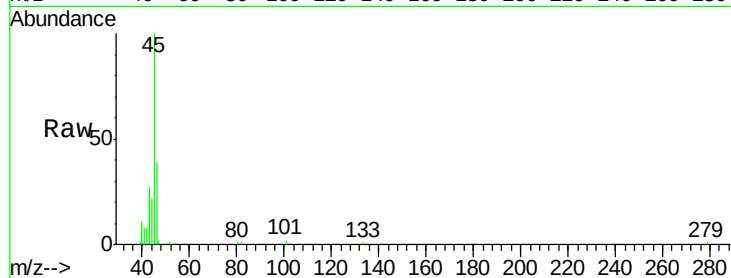
#13
Ethanol
Concen: 2.584 ppbv
RT: 3.58 min Scan# 248
Delta R.T. 0.01 min
Lab File: VL034920.D
Acq: 17 Mar 2020 18:03

Instrument :
MSVOA_L
ClientSampled :
IA-1DL

Tot Ion	45	Resp	44461
Ion Ratio	100	Lower	Upper
46	39.0	16.0	64.0

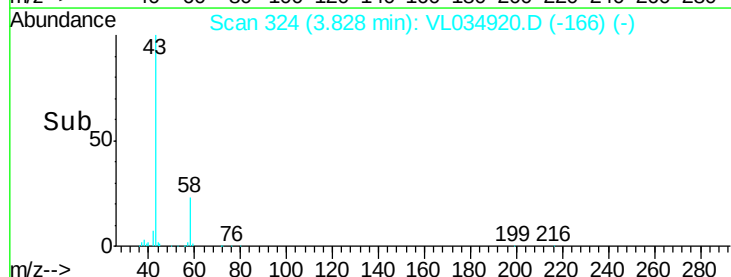
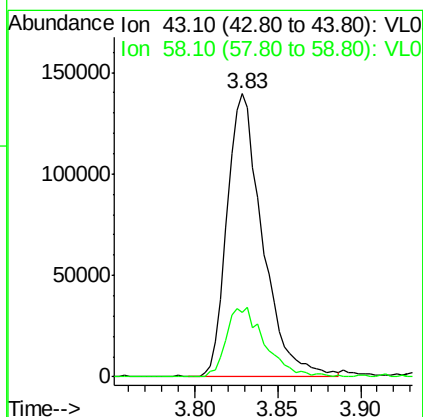
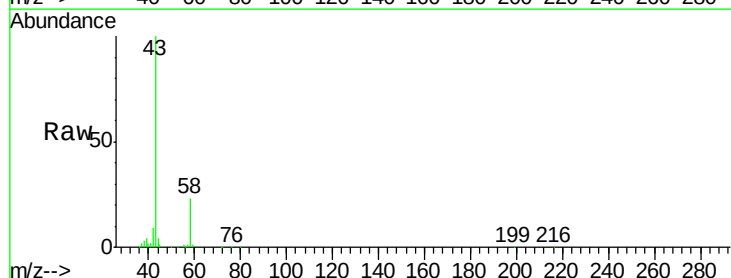
Manual Integrations
APPROVED

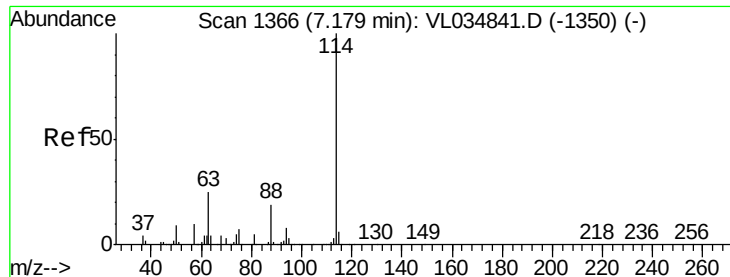
MMDadoda
3/18/2020 5:35:49 PM



#15
Acetone
Concen: 1.514 ppbv
RT: 3.83 min Scan# 324
Delta R.T. 0.01 min
Lab File: VL034920.D
Acq: 17 Mar 2020 18:03

Tgt Ion	43	Resp	208227
Ion Ratio	100	Lower	Upper
58	26.5	21.0	31.6





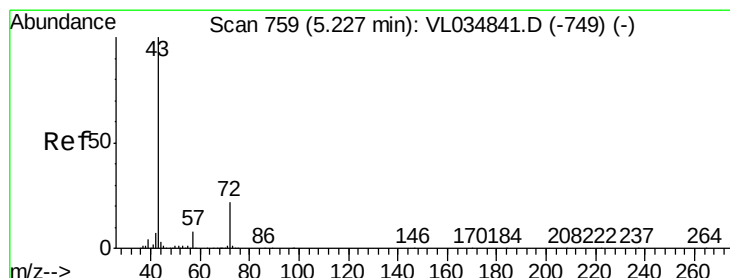
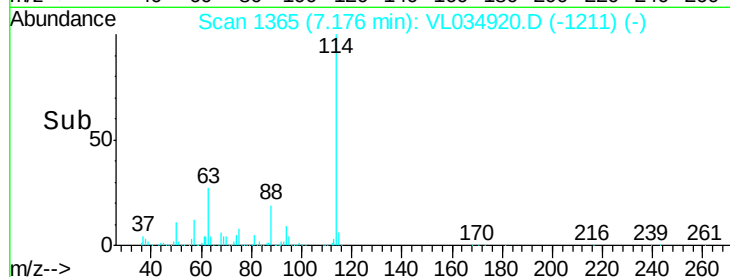
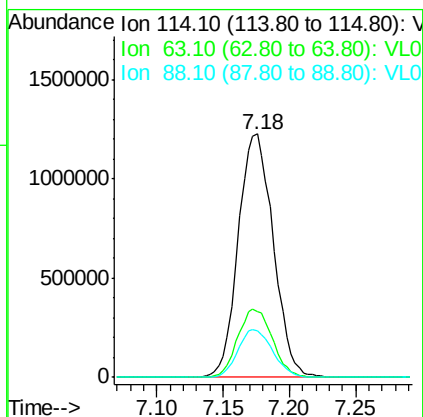
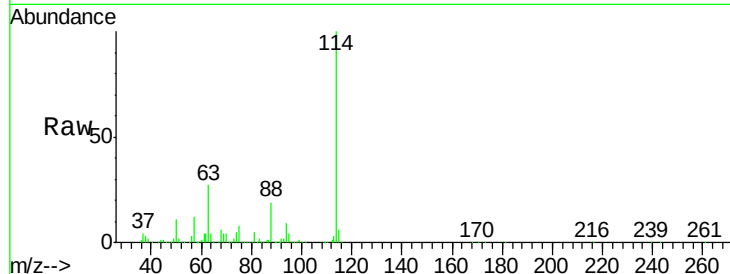
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VL034920.D
 Acq: 17 Mar 2020 18:03

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.9	20.6	31.0
88	19.5	15.0	22.6

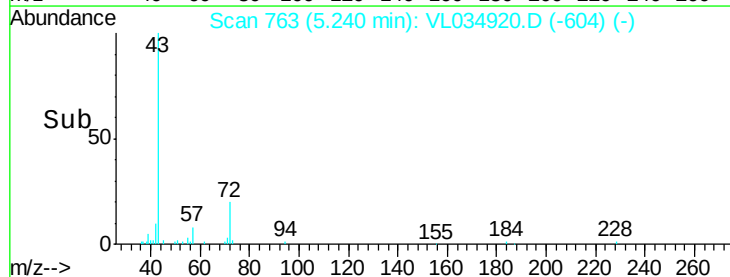
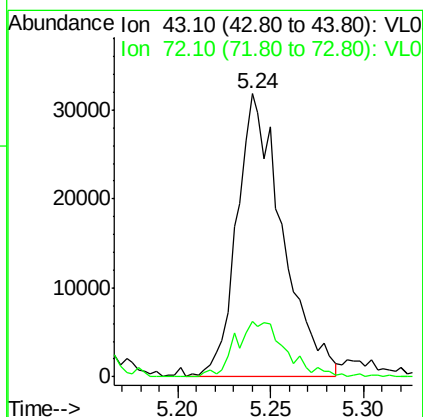
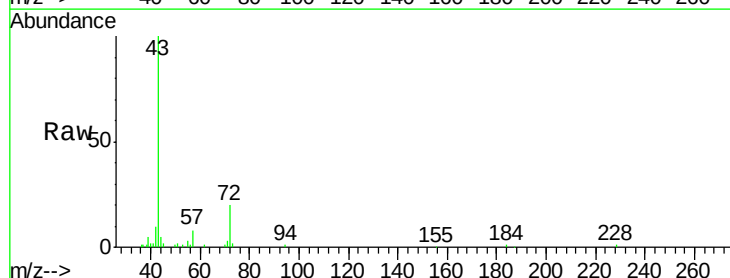
Manual Integrations
 APPROVED

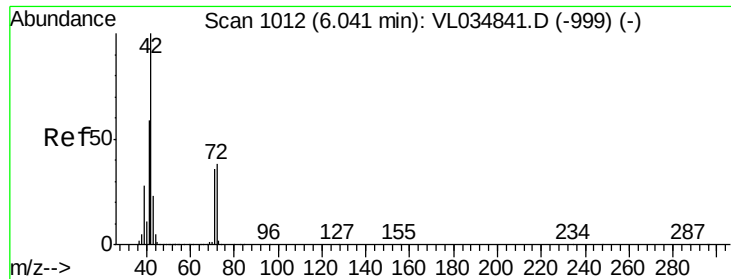
MMDadoda
 3/18/2020 5:35:49 PM



#34
 2-Butanone
 Concen: 0.363 ppbv m
 RT: 5.24 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VL034920.D
 Acq: 17 Mar 2020 18:03

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.8	17.6	26.4





#41

Tetrahydrofuran

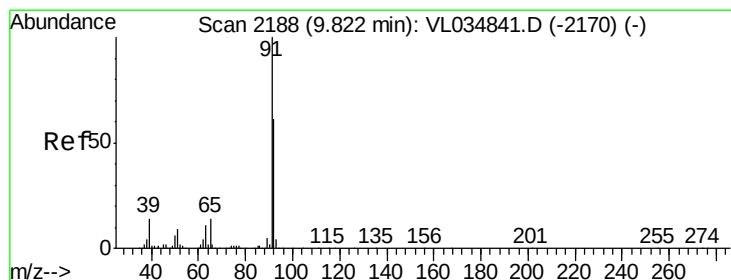
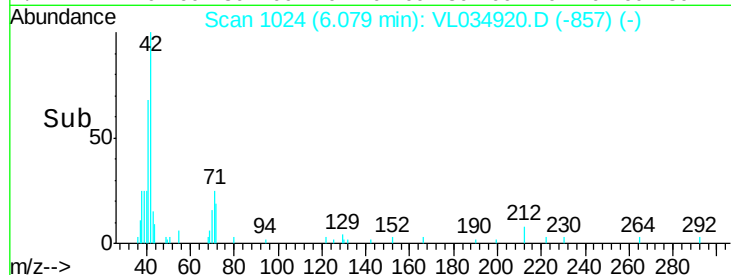
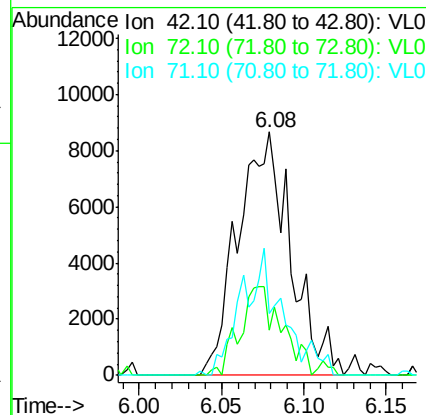
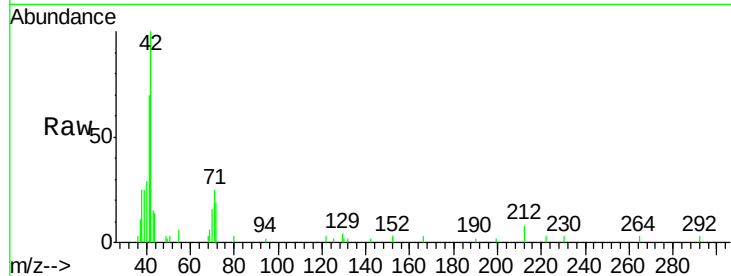
Concen: 0.238 ppbv m
RT: 6.08 min Scan# 1024
Delta R.T. 0.04 min
Lab File: VL034920.D
Acq: 17 Mar 2020 18:03

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.8	46.2#
71	0.0	30.1	45.1#

Manual Integrations
APPROVED

MMDadoda
3/18/2020 5:35:49 PM

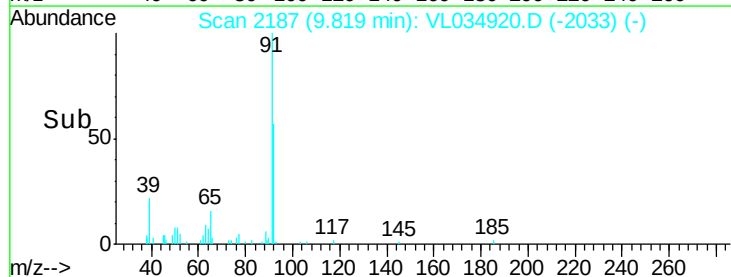
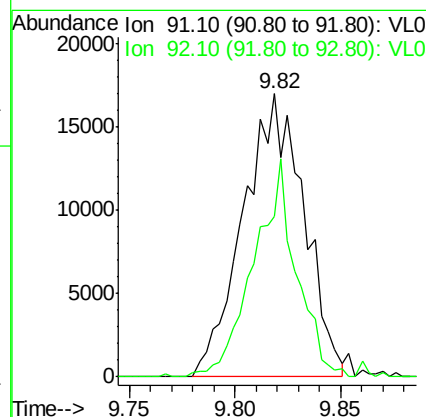
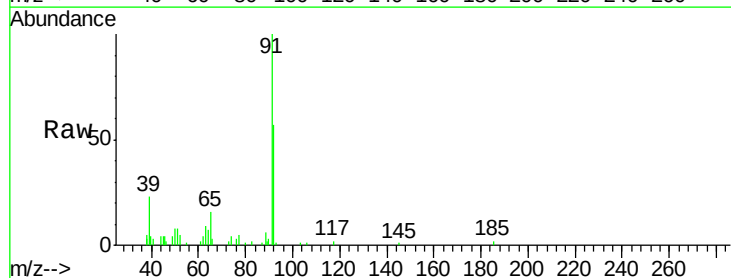


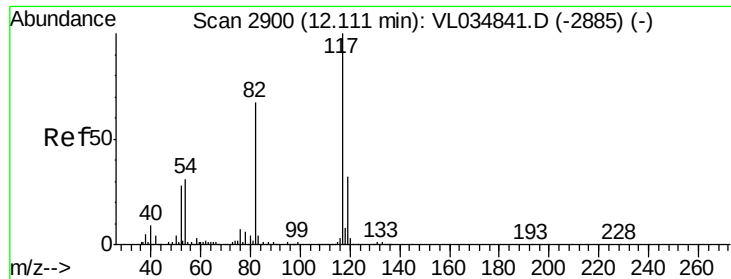
#53

Toluene

Concen: 0.146 ppbv
RT: 9.82 min Scan# 2187
Delta R.T. -0.00 min
Lab File: VL034920.D
Acq: 17 Mar 2020 18:03

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.7	48.6	72.8





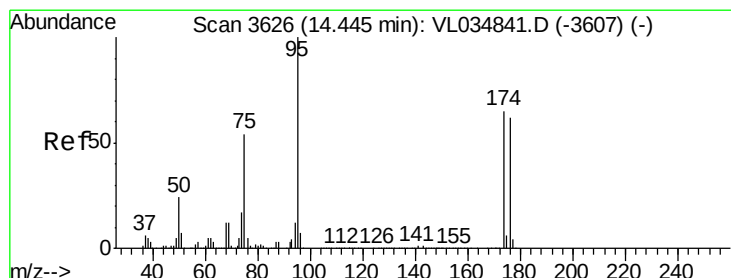
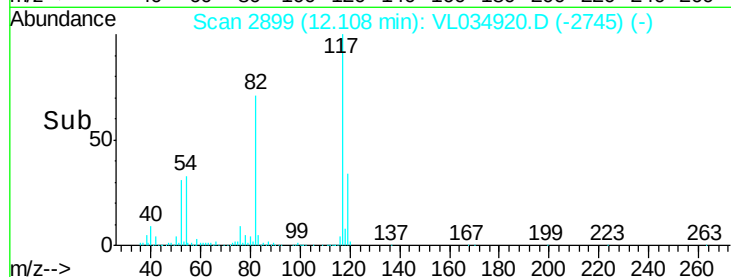
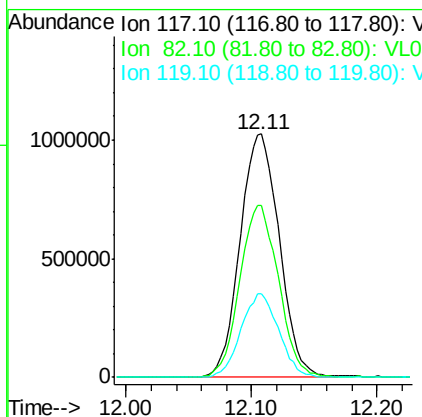
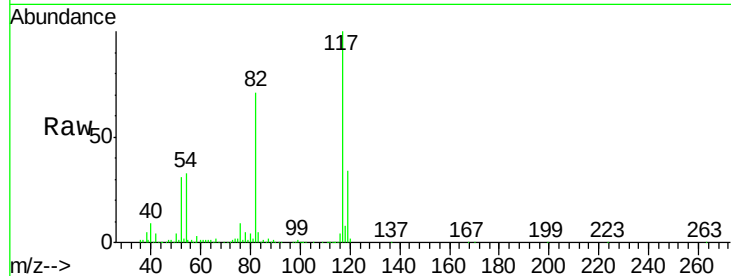
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL034920.D
Acq: 17 Mar 2020 18:03

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tot Ion:117 Resp: 2230408
Ion Ratio Lower Upper
117 100
82 70.3 51.1 76.7
119 33.4 27.3 40.9

Manual Integrations
APPROVED

MMDadoda
3/18/2020 5:35:49 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.733 ppbv
RT: 14.44 min Scan# 3625
Delta R.T. -0.00 min
Lab File: VL034920.D
Acq: 17 Mar 2020 18:03

Tgt Ion: 95 Resp: 1866883
Ion Ratio Lower Upper
95 100
174 64.0 55.2 82.8
175 4.6 4.3 6.5

