

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051420\
 Data File : VL035037.D
 Acq On : 15 May 2020 8:43
 Operator : SY/AP
 Sample : L2566-06DL 60X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-3DL

Manual Integrations
 APPROVED

MMDadoda
 5/18/2020 1:35:29 PM

Quant Time: May 18 09:32:02 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	5.65	49	1141125	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	2639617	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2595827	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2256760	10.74	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) Heptane	8.12	43	30258	0.214	ppbv	95
13) Ethanol	3.57	45	52602	2.820	ppbv	91
15) Acetone	3.82	43	666876	4.420	ppbv	98
17) tert-Butyl alcohol	4.27	59	80526	0.600	ppbv #	94
19) Isopropyl Alcohol	3.93	45	217173	2.159	ppbv #	93
22) trans-1,2-Dichloroethene	4.86	96	8785m	0.172	ppbv	
29) Chloroform	5.73	83	142652	0.794	ppbv	92
31) cis-1,2-Dichloroethene	5.53	61	57487	0.536	ppbv #	89
38) Trichloroethene	7.83	130	211169	2.505	ppbv	96
52) Tetrachloroethene	11.24	164	519770	6.717	ppbv	96
53) Toluene	9.82	91	84008	0.364	ppbv	96
58) Ethyl Benzene	12.73	91	61988m	0.193	ppbv	
59) m/p-Xylene	12.99	91	321931m	1.140	ppbv	
60) o-Xylene	13.72	91	107170	0.385	ppbv	96
62) Isopropylbenzene	14.70	105	86007m	0.207	ppbv	

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

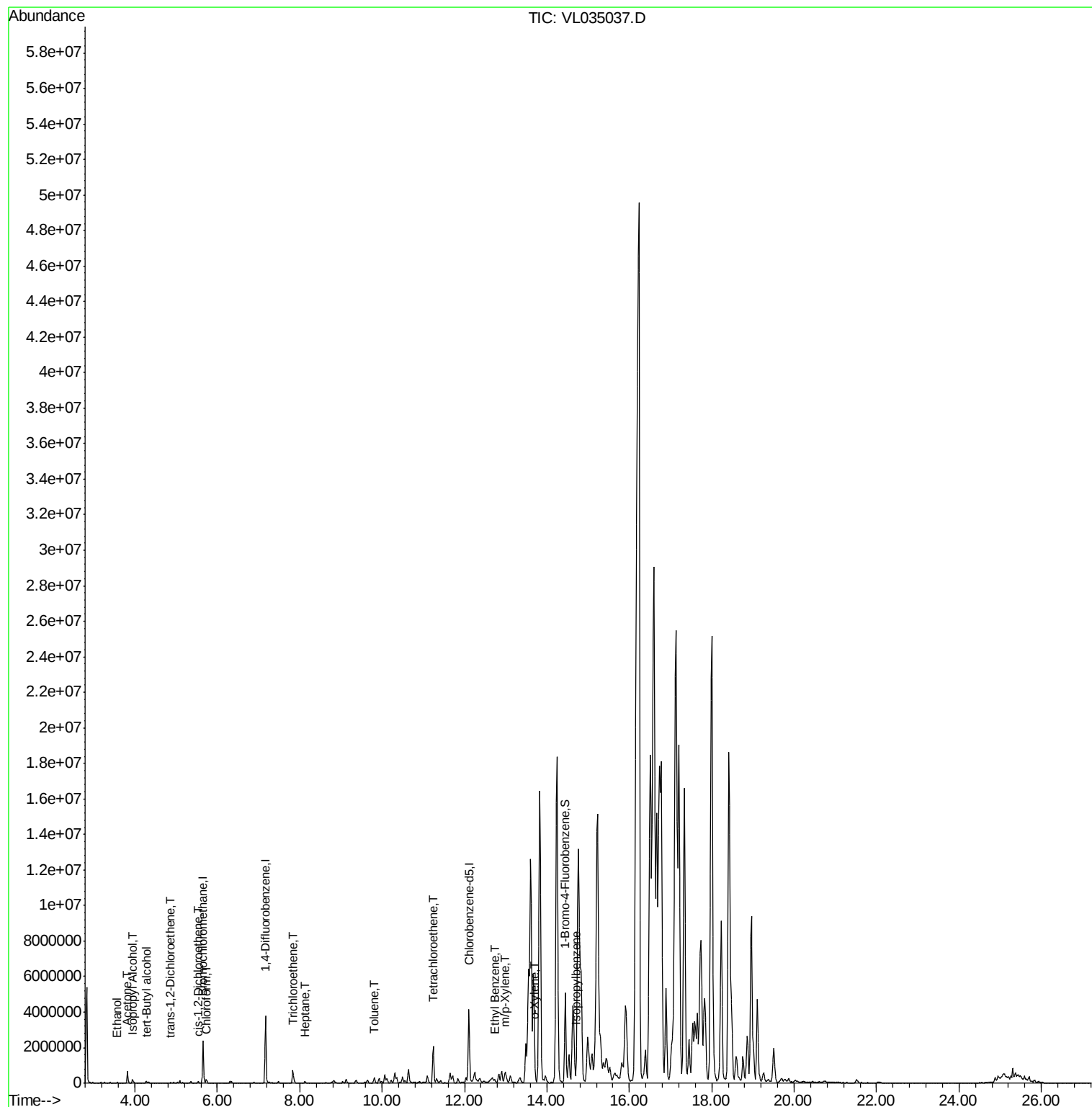
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051420\
Data File : VL035037.D
Acq On : 15 May 2020 8:43
Operator : SY/AP
Sample : L2566-06DL 60X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

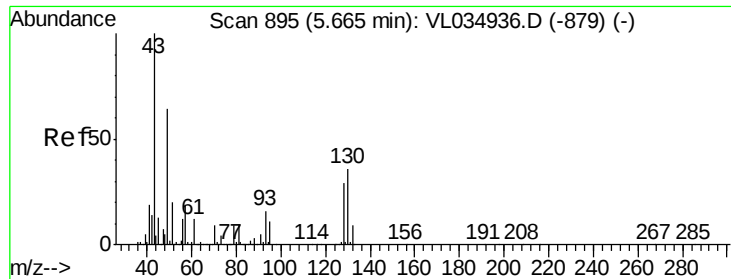
Instrument :
MSVOA_L
ClientSampleId :
SG-3DL

Manual Integrations
APPROVED

MMDadoda
5/18/2020 1:35:29 PM

Quant Time: May 18 09:32:02 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

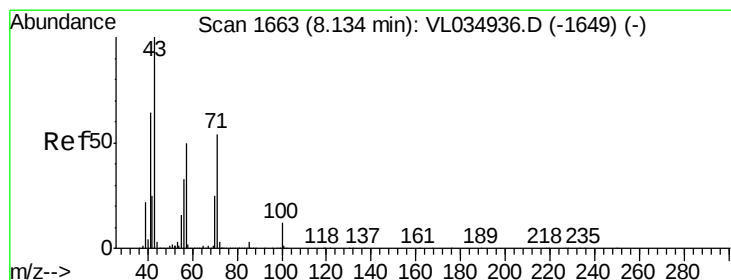
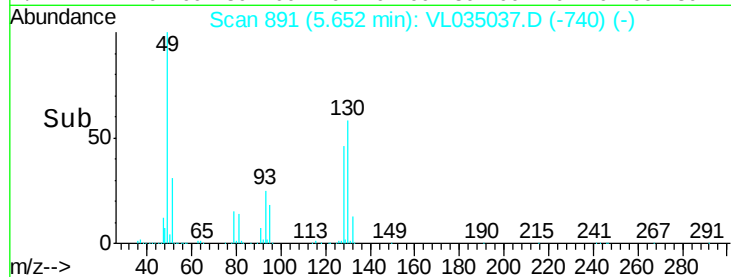
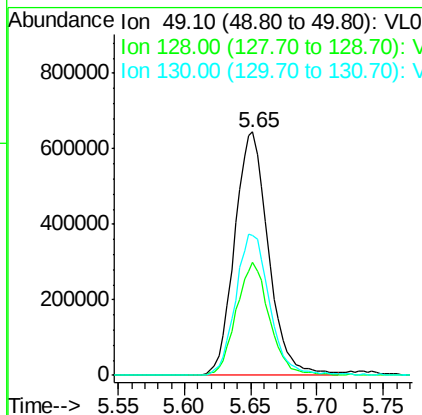
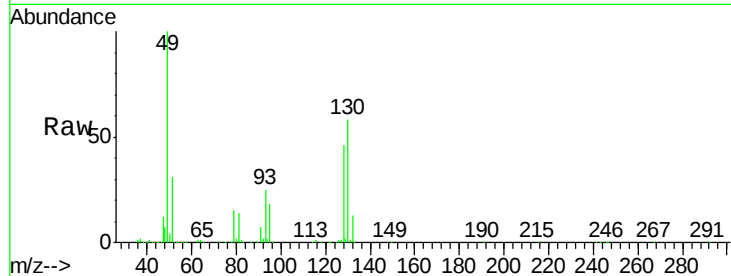
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 891
 Delta R.T. -0.01 min
 Lab File: VL035037.D
 Acq: 15 May 2020 8:43

Instrument :
 MSVOA_L
 ClientSampled :
 SG-3DL

Tot Ion	Ratio	Lower	Upper
49	100		
128	45.8	22.1	66.5
130	58.8	29.1	87.3

Manual Integrations
 APPROVED

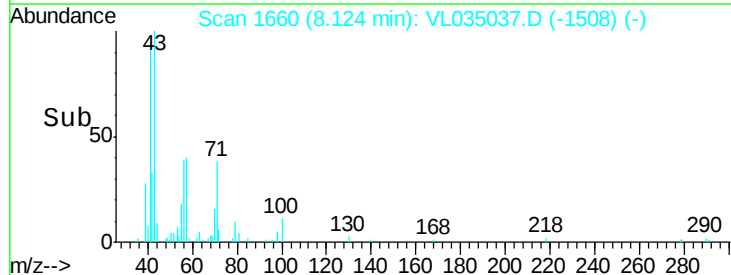
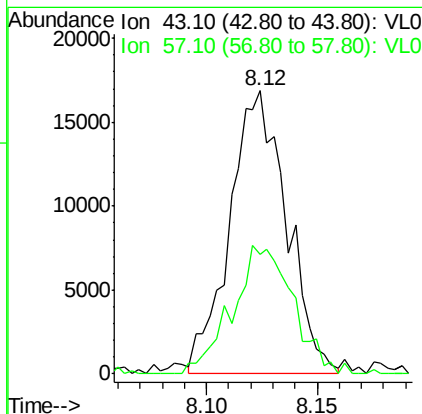
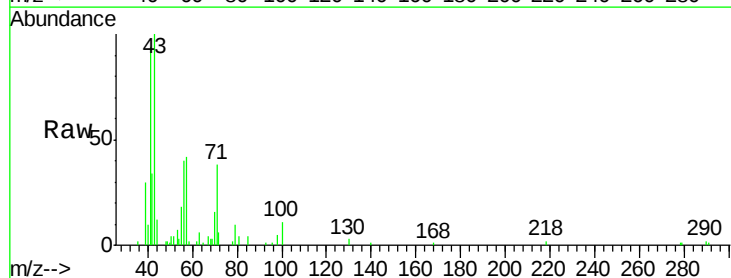
MMDadoda
 5/18/2020 1:35:29 PM

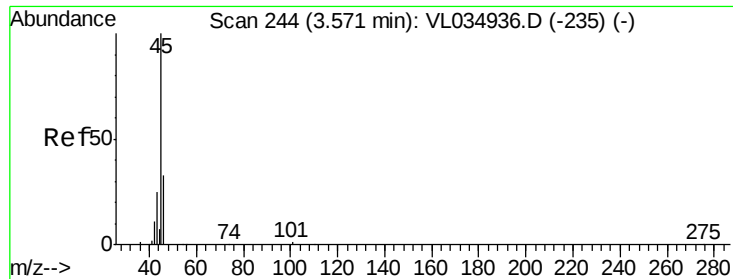


#10

Heptane
 Concen: 0.214 ppbv
 RT: 8.12 min Scan# 1660
 Delta R.T. -0.01 min
 Lab File: VL035037.D
 Acq: 15 May 2020 8:43

Tgt Ion	Ratio	Lower	Upper
43	100		
57	48.1	41.1	61.7





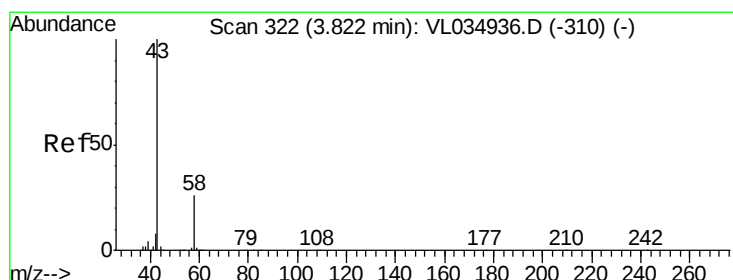
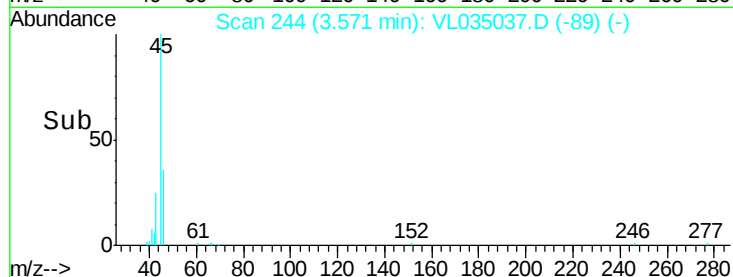
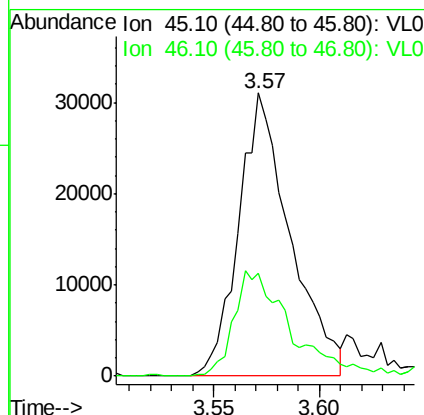
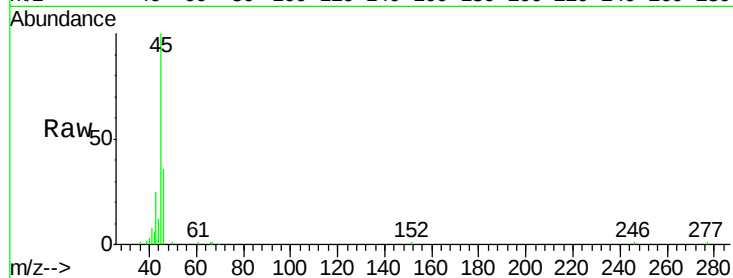
#13
Ethanol
Concen: 2.820 ppbv
RT: 3.57 min Scan# 244
Delta R.T. -0.00 min
Lab File: VL035037.D
Acq: 15 May 2020 8:43

Instrument :
MSVOA_L
ClientSampleId :
SG-3DL

Tot Ion	45	Resp	52602
Ion Ratio	100	Lower	Upper
46	40.8	14.3	57.3

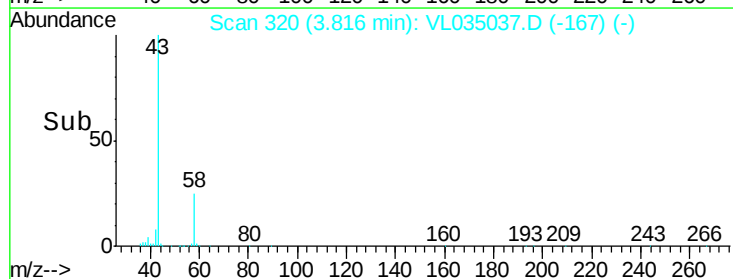
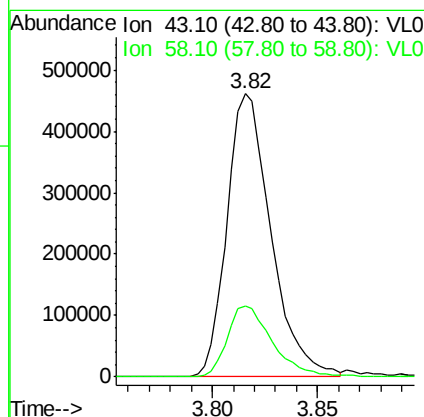
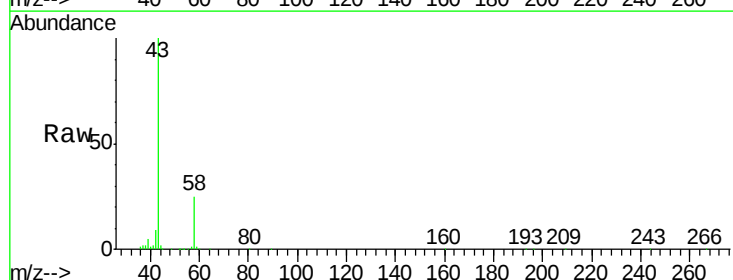
Manual Integrations
APPROVED

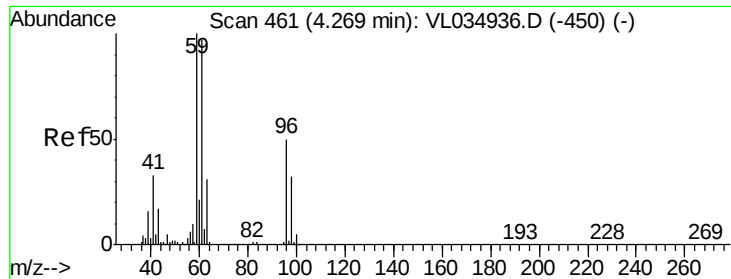
MMDadoda
5/18/2020 1:35:29 PM



#15
Acetone
Concen: 4.420 ppbv
RT: 3.82 min Scan# 320
Delta R.T. -0.01 min
Lab File: VL035037.D
Acq: 15 May 2020 8:43

Tgt Ion	43	Resp	666876
Ion Ratio	100	Lower	Upper
58	26.1	21.7	32.5





#17

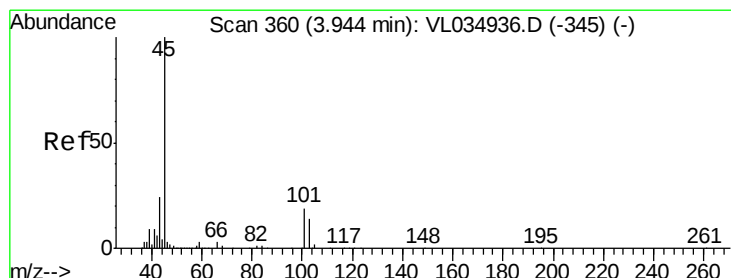
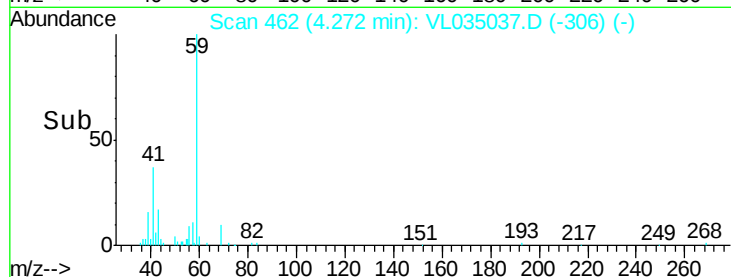
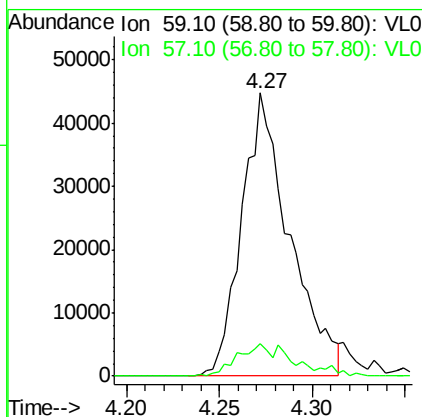
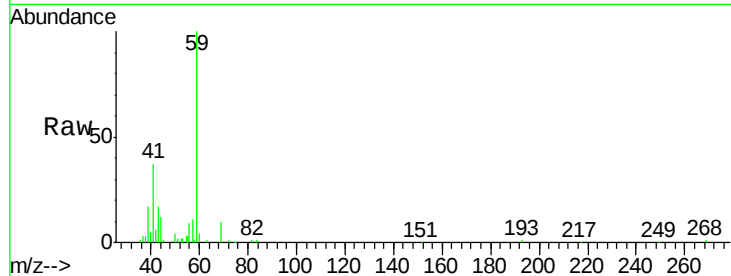
tert-Butyl alcohol
Concen: 0.600 ppbv
RT: 4.27 min Scan# 462
Delta R.T. 0.00 min
Lab File: VL035037.D
Acq: 15 May 2020 8:43

Instrument :
MSVOA_L
ClientSampled :
SG-3DL

Tot Ion: 59 Resp: 80526
Ion Ratio Lower Upper
59 100
57 13.4 8.7 13.1#

Manual Integrations
APPROVED

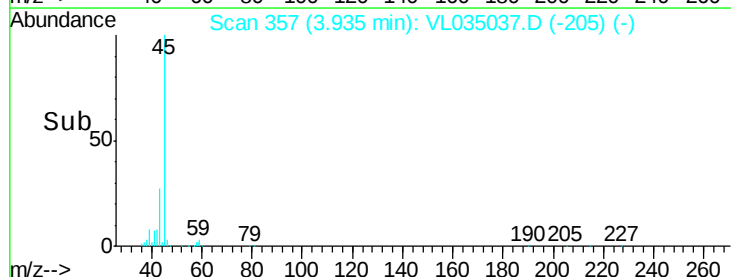
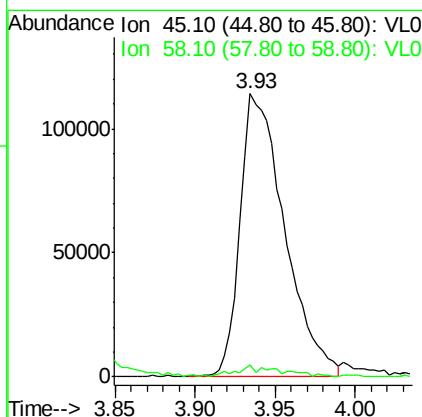
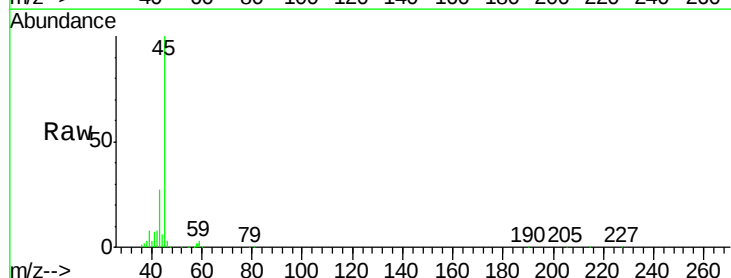
MMDadoda
5/18/2020 1:35:29 PM

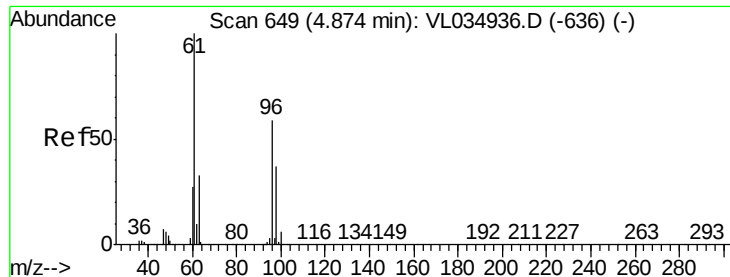


#19

Isopropyl Alcohol
Concen: 2.159 ppbv
RT: 3.93 min Scan# 357
Delta R.T. -0.01 min
Lab File: VL035037.D
Acq: 15 May 2020 8:43

Tgt Ion: 45 Resp: 217173
Ion Ratio Lower Upper
45 100
58 4.5 1.7 2.5#





#22

trans-1,2-Dichloroethene

Concen: 0.172 ppbv

RT: 4.86 min Scan# 645

Delta R.T. -0.01 min

Lab File: VL035037.D

Acq: 15 May 2020 8:43

Instrument :

MSVOA_L

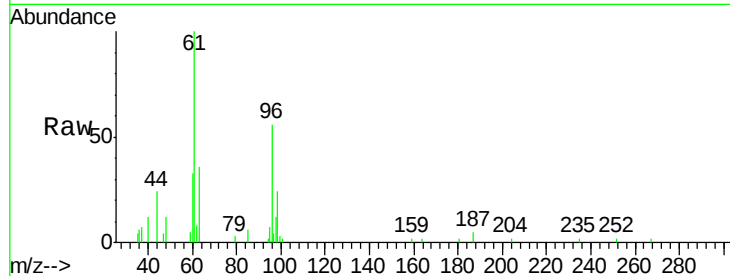
ClientSampleId :

SG-3DL

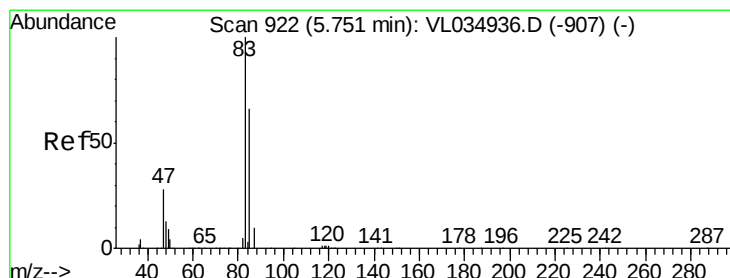
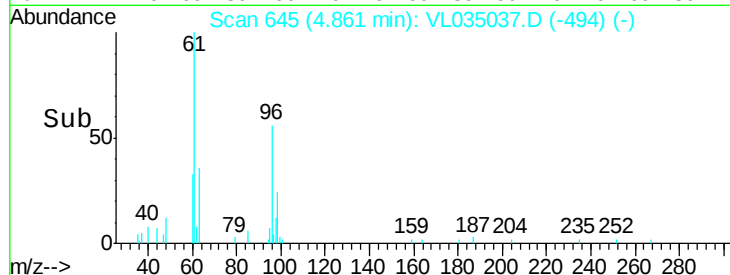
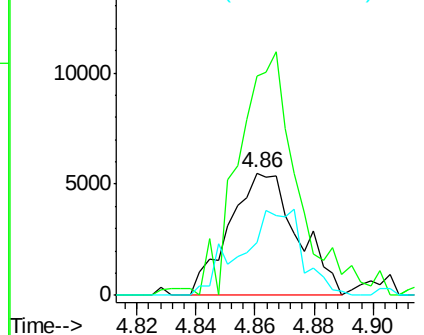
Tot Ion:	96	Resp:	8785
Ion Ratio	Lower	Upper	
96	100		
61	179.8	135.3	202.9
98	43.8	50.4	75.6#

Manual Integrations
APPROVED

MMDadoda
5/18/2020 1:35:29 PM



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0



#29

Chloroform

Concen: 0.794 ppbv

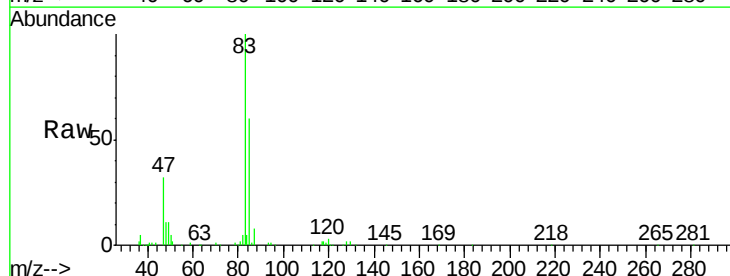
RT: 5.73 min Scan# 916

Delta R.T. -0.02 min

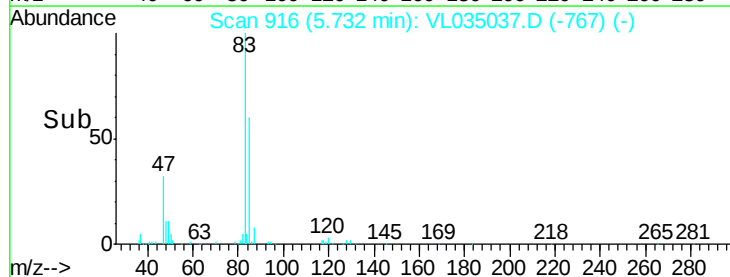
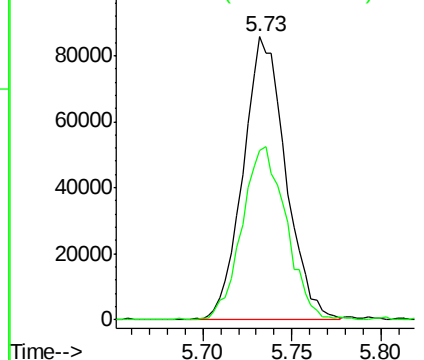
Lab File: VL035037.D

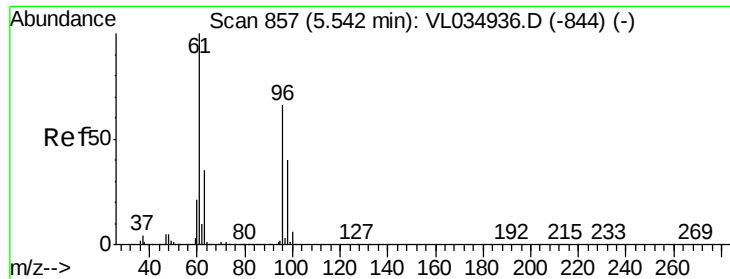
Acq: 15 May 2020 8:43

Tgt Ion:	83	Resp:	142652
Ion Ratio	Lower	Upper	
83	100		
85	59.9	53.0	79.6



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0





#31

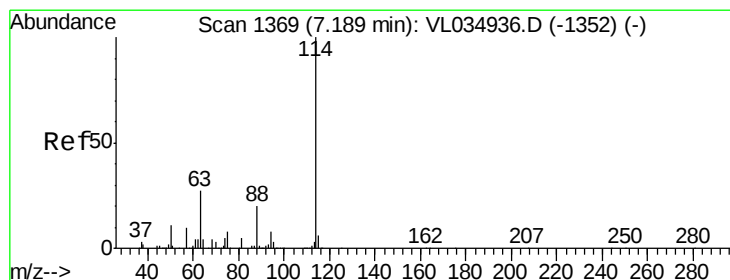
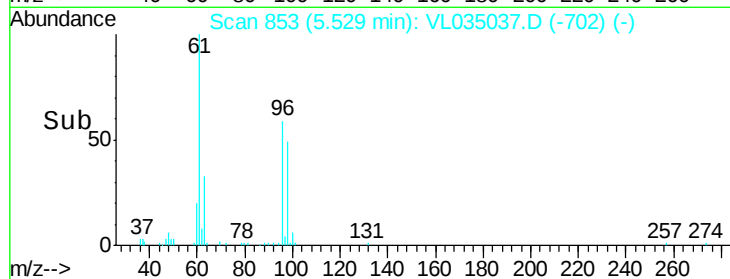
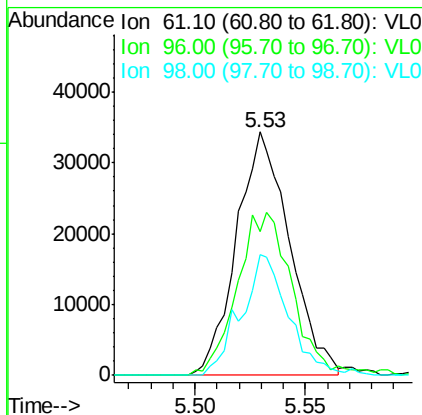
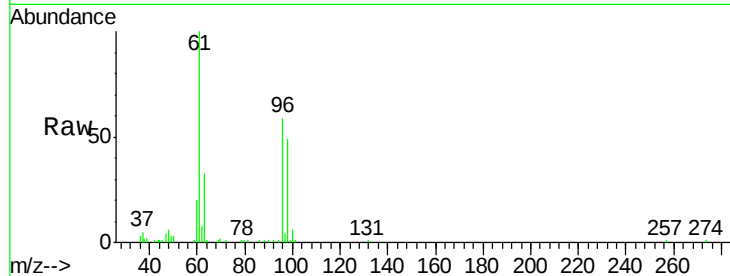
cis-1,2-Dichloroethene
 Concen: 0.536 ppbv
 RT: 5.53 min Scan# 853
 Delta R.T. -0.01 min
 Lab File: VL035037.D
 Acq: 15 May 2020 8:43

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-3DL

Tot Ion	Ratio	Lower	Upper
61	100		
96	59.0	53.0	79.6
98	49.4	32.2	48.2#

Manual Integrations
 APPROVED

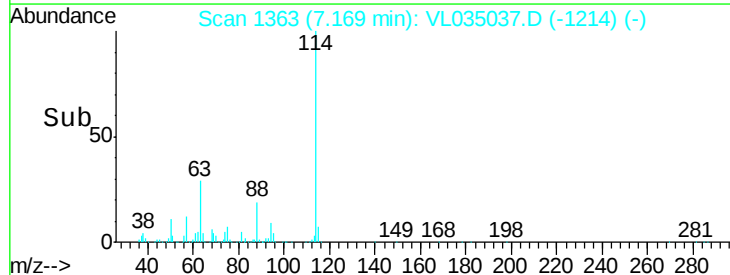
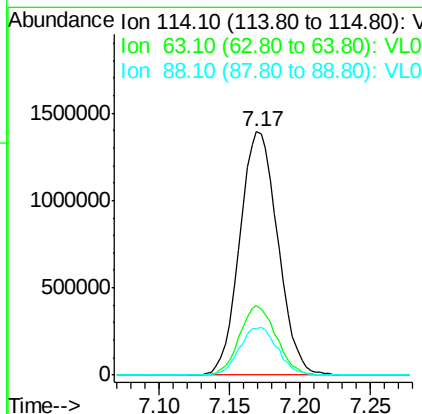
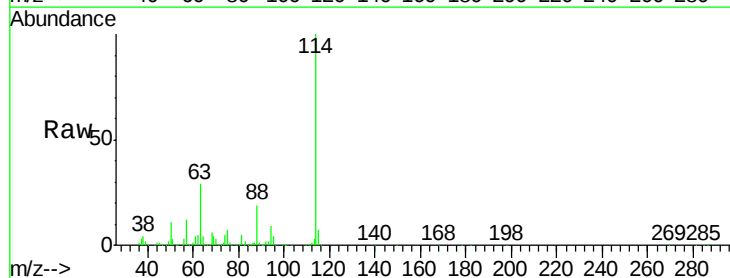
MMDadoda
 5/18/2020 1:35:29 PM

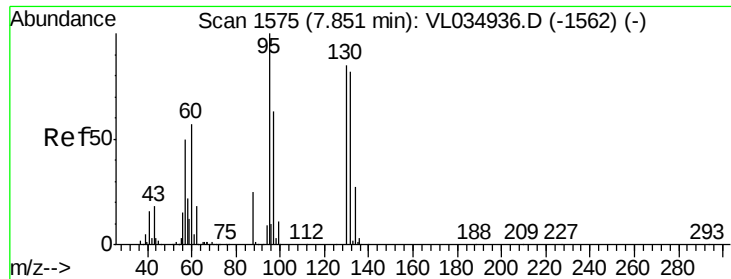


#33

1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.02 min
 Lab File: VL035037.D
 Acq: 15 May 2020 8:43

Tgt Ion	Ratio	Lower	Upper
114	100		
63	27.5	22.2	33.4
88	19.5	15.5	23.3





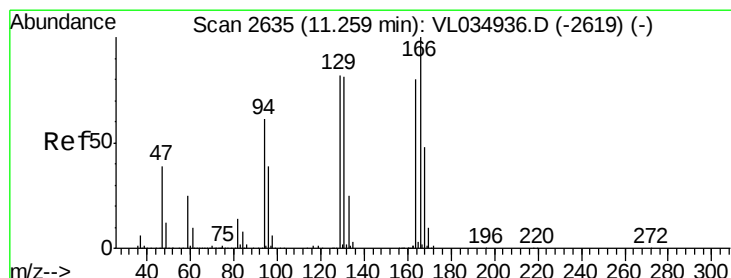
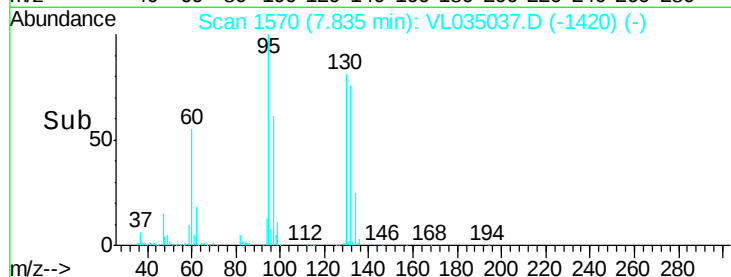
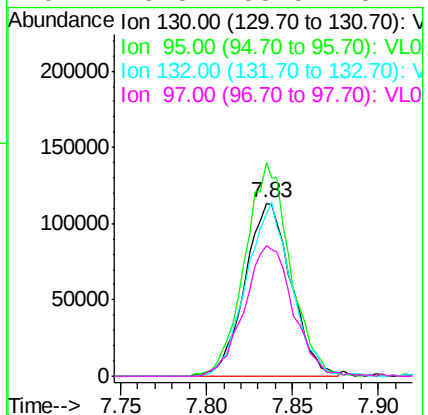
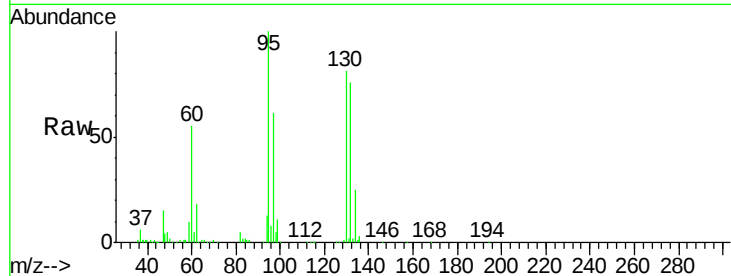
#38
 Trichloroethene
 Concen: 2.505 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.02 min
 Lab File: VL035037.D
 Acq: 15 May 2020 8:43

Instrument :
 MSVOA_L
 ClientSampled :
 SG-3DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
130	100		211169		
95	123.1	93.4	140.0		
132	93.4	76.4	114.6		
97	75.3	58.5	87.7		

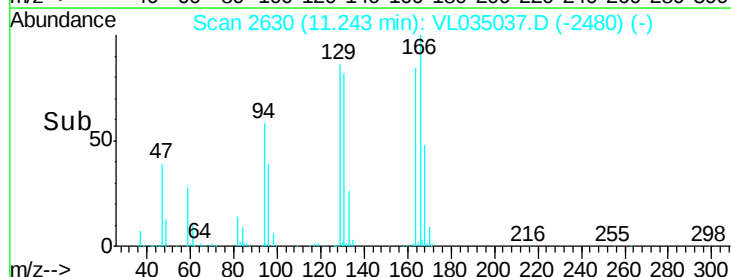
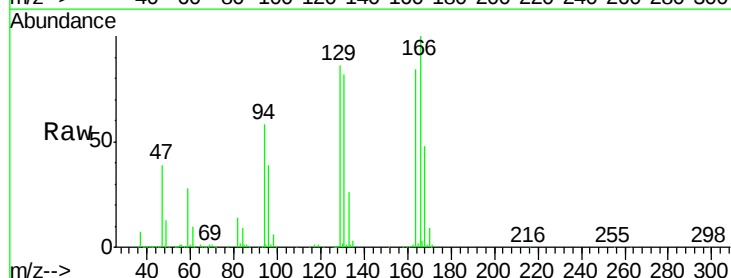
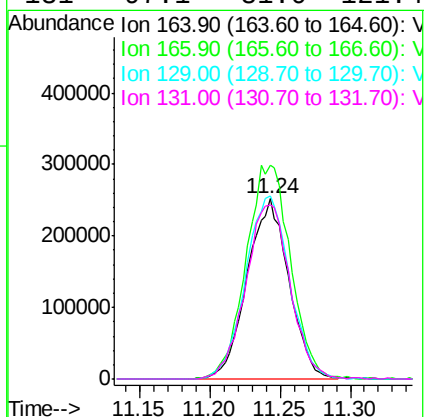
Manual Integrations
 APPROVED

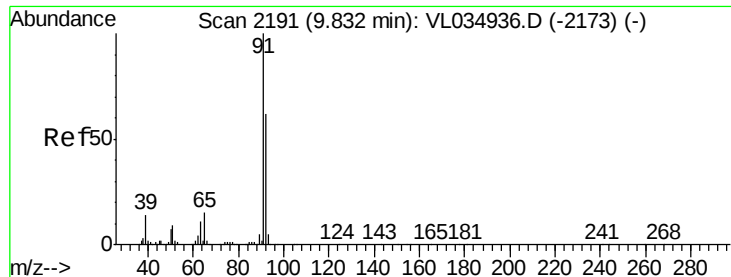
MMDadoda
 5/18/2020 1:35:29 PM



#52
 Tetrachloroethene
 Concen: 6.717 ppbv
 RT: 11.24 min Scan# 2630
 Delta R.T. -0.02 min
 Lab File: VL035037.D
 Acq: 15 May 2020 8:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
164	100		519770		
166	118.6	100.7	151.1		
129	101.4	83.0	124.4		
131	97.1	81.0	121.4		





#53

Toluene

Concen: 0.364 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. -0.02 min

Lab File: VL035037.D

Acq: 15 May 2020 8:43

Instrument :

MSVOA_L

ClientSampleId :

SG-3DL

Tot Ion: 91 Resp: 84008

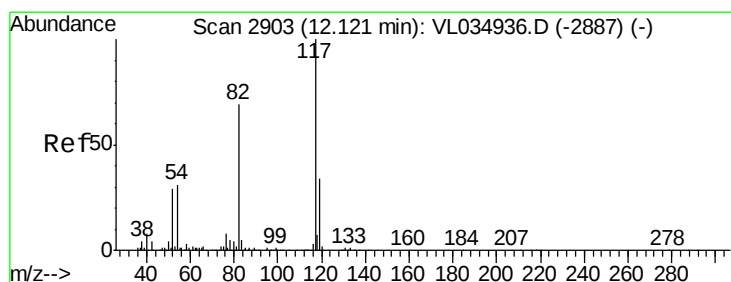
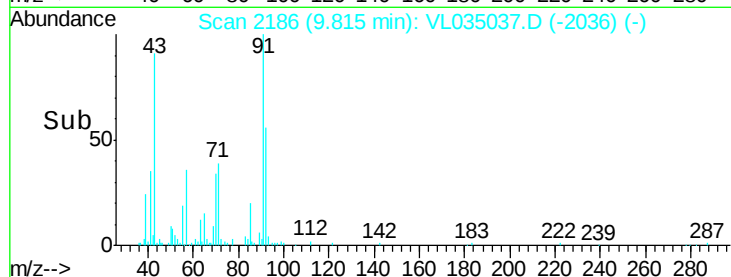
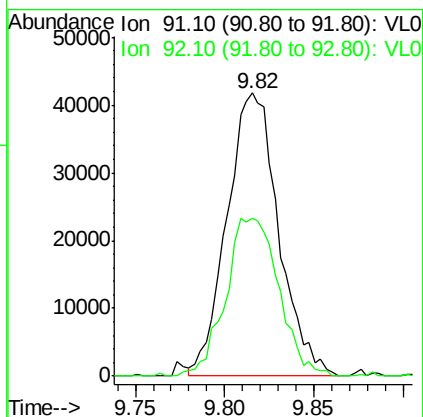
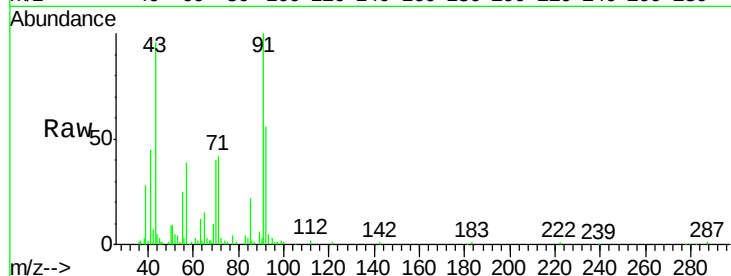
Ion Ratio Lower Upper

91 100

92 57.6 48.6 73.0

Manual Integrations
APPROVED

MMDadoda
5/18/2020 1:35:29 PM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VL035037.D

Acq: 15 May 2020 8:43

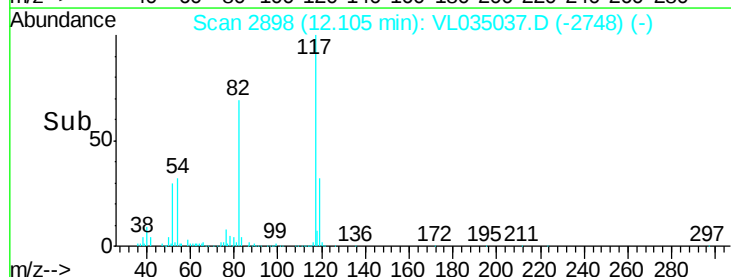
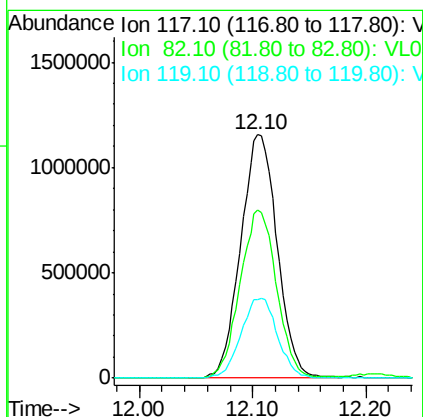
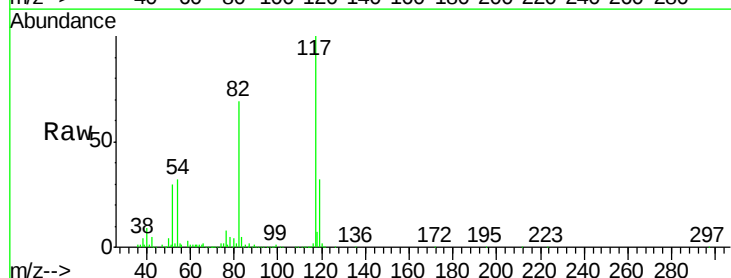
Tgt Ion: 117 Resp: 2595827

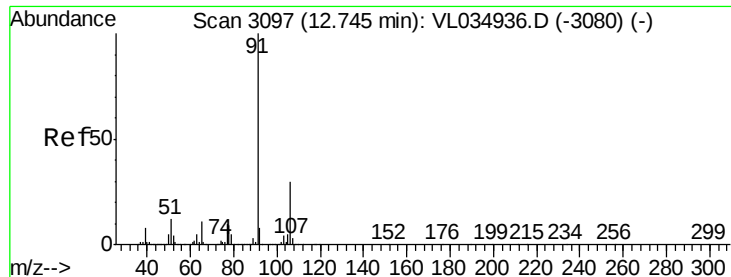
Ion Ratio Lower Upper

117 100

82 69.2 53.1 79.7

119 32.9 26.7 40.1





#58

Ethyl Benzene

Concen: 0.193 ppbv m

RT: 12.73 min Scan# 3093

Delta R.T. -0.01 min

Lab File: VL035037.D

Acq: 15 May 2020 8:43

Instrument :

MSVOA_L

ClientSampleId :

SG-3DL

Tot Ion: 91 Resp: 61988

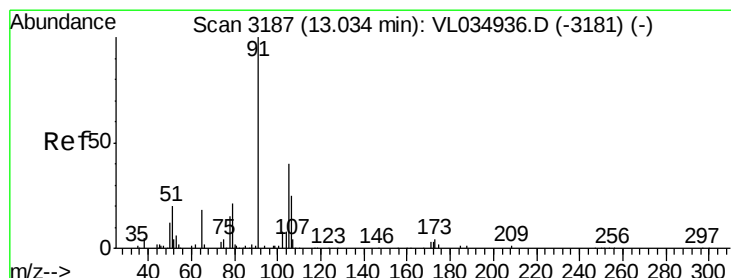
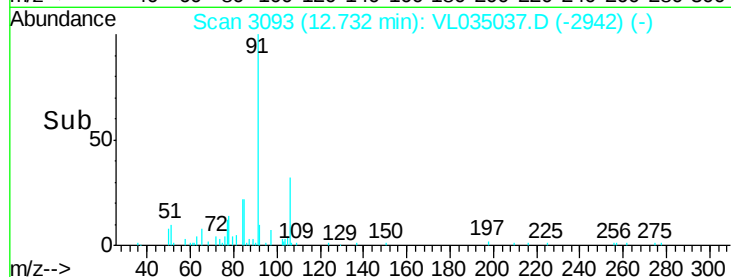
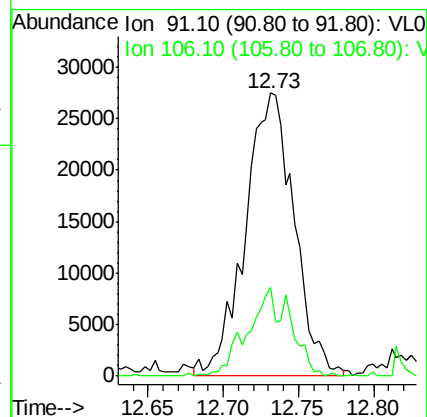
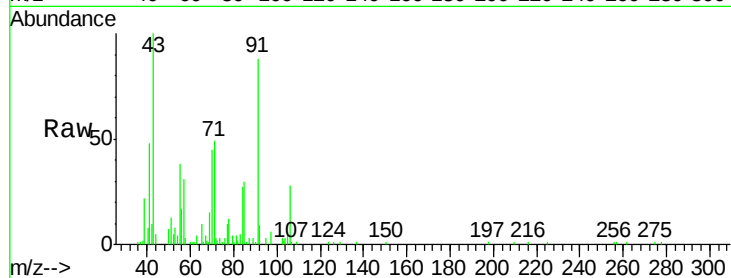
Ion Ratio Lower Upper

91 100

106 31.5 24.2 36.4

Manual Integrations
APPROVED

MMDadoda
5/18/2020 1:35:29 PM



#59

m/p-Xylene

Concen: 1.140 ppbv m

RT: 12.99 min Scan# 3174

Delta R.T. -0.04 min

Lab File: VL035037.D

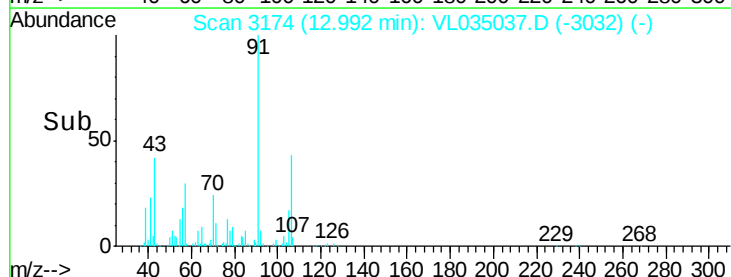
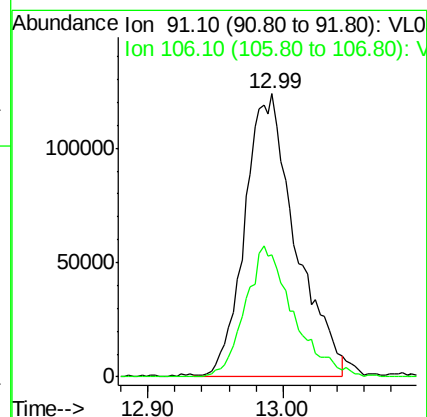
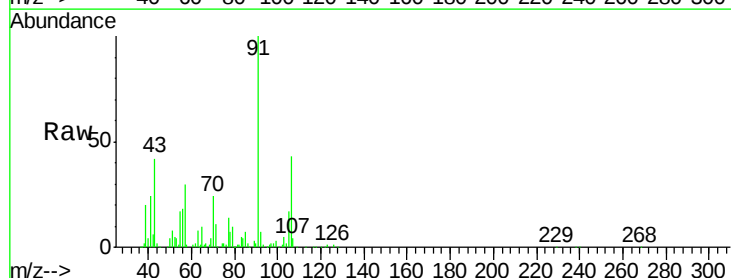
Acq: 15 May 2020 8:43

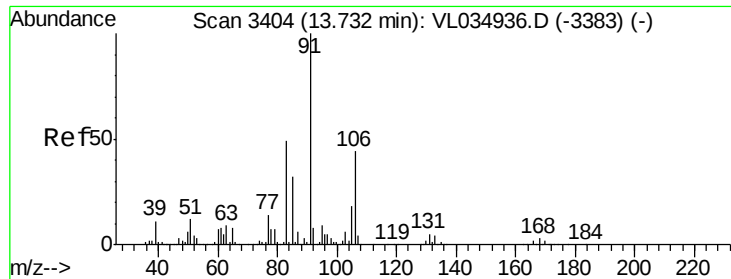
Tgt Ion: 91 Resp: 321931

Ion Ratio Lower Upper

91 100

106 0.0 66.0 99.0#





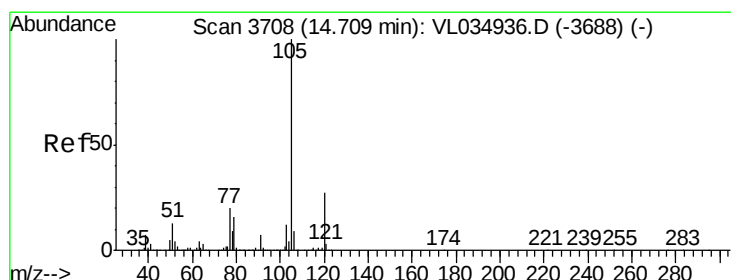
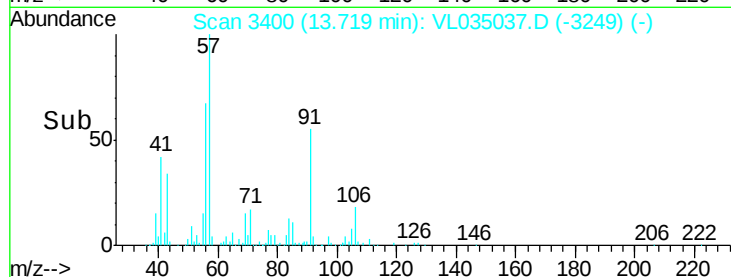
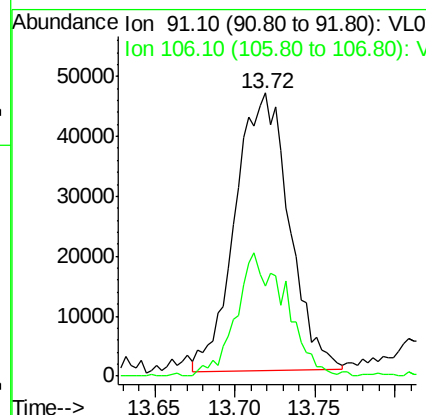
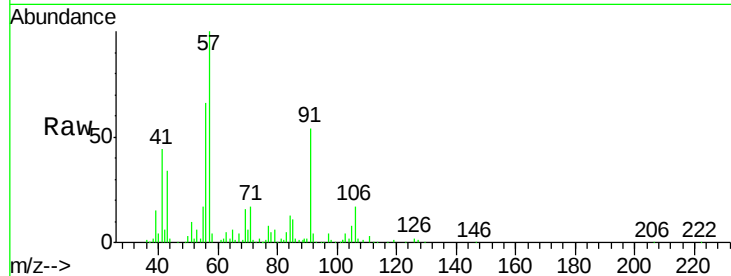
#60
o-Xylene
Concen: 0.385 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. -0.01 min
Lab File: VL035037.D
Acq: 15 May 2020 8:43

Instrument :
MSVOA_L
ClientSampled :
SG-3DL

Tot Ion	Ratio	Lower	Upper
91	100		
106	40.9	21.9	65.5

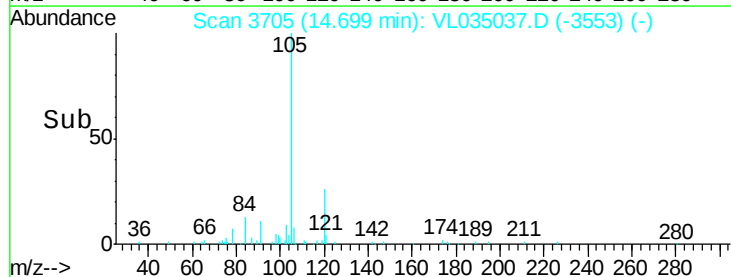
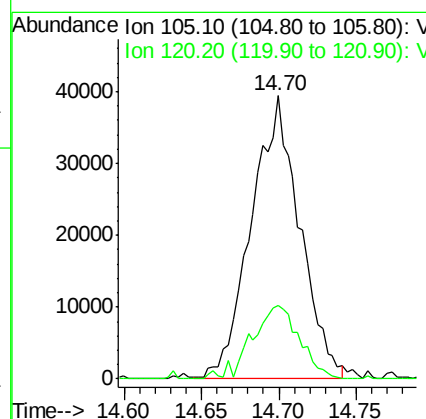
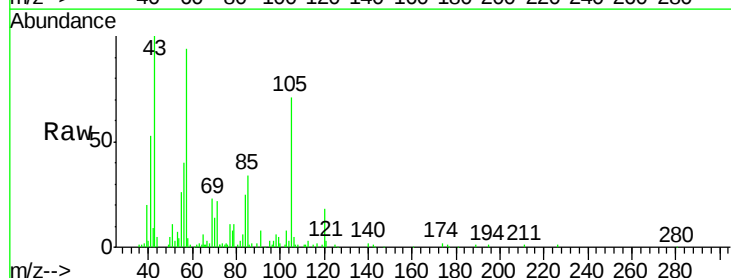
Manual Integrations
APPROVED

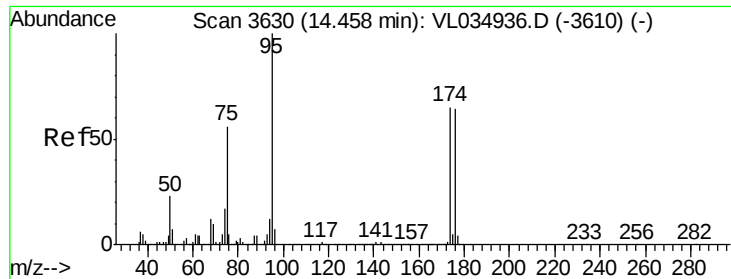
MMDadoda
5/18/2020 1:35:29 PM



#62
Isopropylbenzene
Concen: 0.207 ppbv m
RT: 14.70 min Scan# 3705
Delta R.T. -0.01 min
Lab File: VL035037.D
Acq: 15 May 2020 8:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	20.6	31.0#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.740 ppbv
 RT: 14.45 min Scan# 3627
 Delta R.T. -0.01 min
 Lab File: VL035037.D
 Acq: 15 May 2020 8:43

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-3DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	65.3	51.5	77.3
175	4.9	3.8	5.8

Manual Integrations
 APPROVED

MMDadoda
 5/18/2020 1:35:29 PM

