

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL040121\
 Data File : VL036638.D
 Acq On : 1 Apr 2021 21:21
 Operator : SY/AP
 Sample : M1841-05DL2 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 PBS-SS-3DL2

Manual Integrations
 APPROVED

MMDadoda
 4/2/2021 6:55:18 PM

Quant Time: Apr 02 19:36:04 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	1244416	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3184049	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2783850	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2075331	9.35	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	21548m	0.291	ppbv	
10) Heptane	8.12	43	275876	1.461	ppbv #	28
13) Ethanol	3.61	45	80366m	9.105	ppbv	
19) Isopropyl Alcohol	4.00	45	286405m	4.251	ppbv	
20) Methylene Chloride	4.34	84	67522	1.177	ppbv #	87
26) Hexane	5.69	57	953427	7.056	ppbv #	47
30) Cyclohexane	7.13	84	107394	0.980	ppbv	89
36) Benzene	6.89	78	215956	0.735	ppbv	93
44) 2,2,4-Trimethylpentane	7.87	57	7000477	13.545	ppbv	97

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

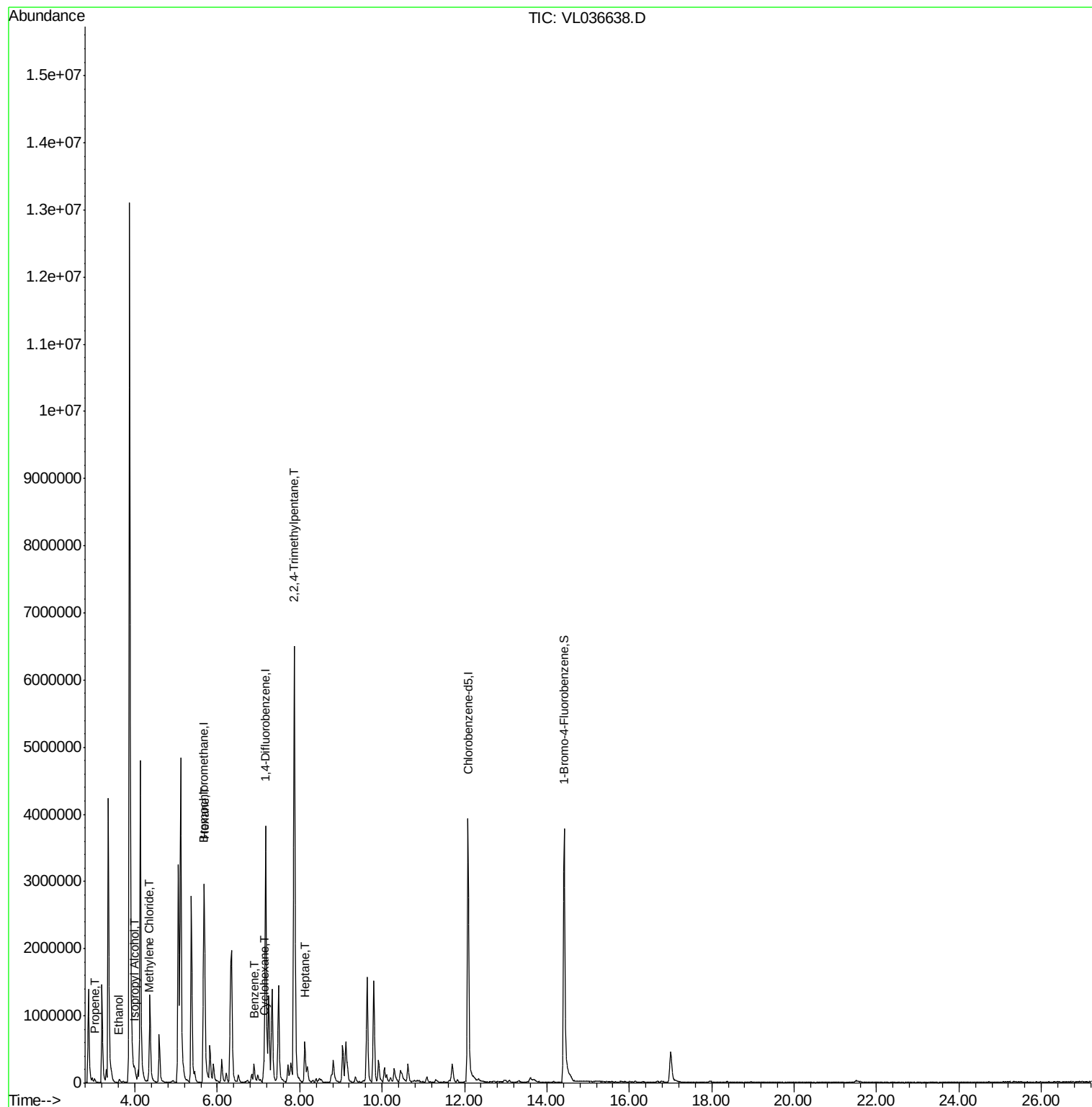
Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL040121\
Data File : VL036638.D
Acq On : 1 Apr 2021 21:21
Operator : SY/AP
Sample : M1841-05DL2 40X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

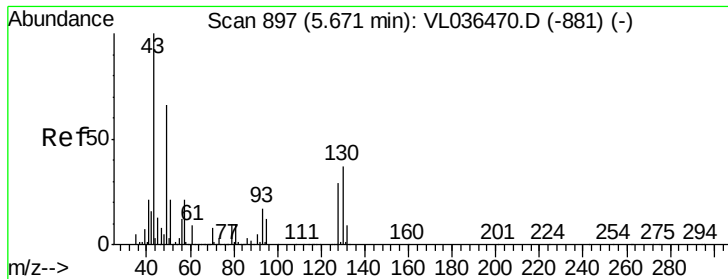
Instrument :
MSVOA_L
ClientSampleId :
PBS-SS-3DL2

Manual Integrations
APPROVED

MMDadoda
4/2/2021 6:55:18 PM

Quant Time: Apr 02 19:36:04 2021
Quant Method : Z:\VOASRV\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# 896

Delta R.T. -0.00 min

Lab File: VL036638.D

Acq: 1 Apr 2021 21:21

Instrument :

MSVOA_L

ClientSampleId :

PBS-SS-3DL2

Tot Ion: 49 Resp: 1244416

Ion Ratio Lower Upper

49 100

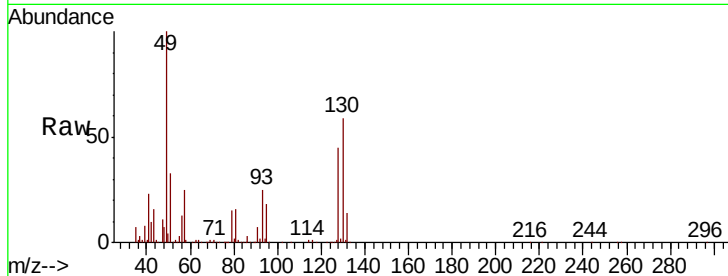
128 47.1 23.5 70.6

130 61.0 29.1 87.4

Manual Integrations
APPROVED

MMDadoda

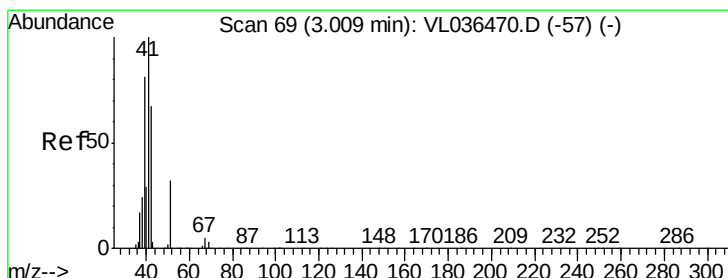
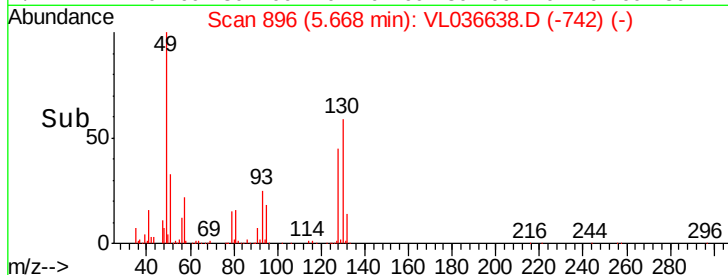
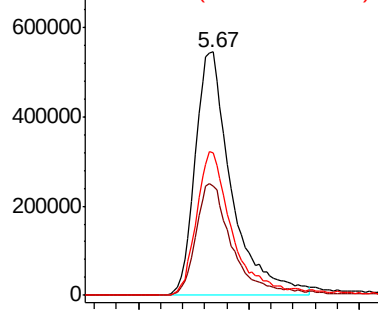
4/2/2021 6:55:18 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.291 ppbv m

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL036638.D

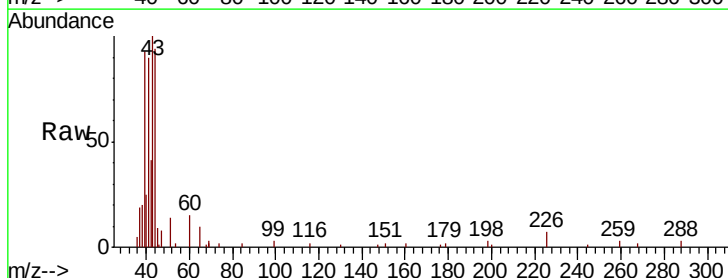
Acq: 1 Apr 2021 21:21

Tgt Ion: 41 Resp: 21548

Ion Ratio Lower Upper

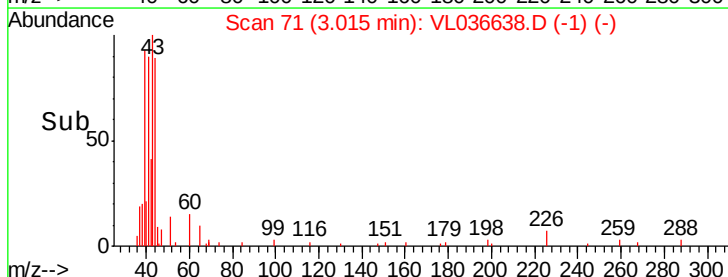
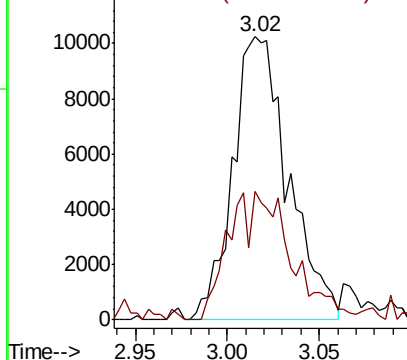
41 100

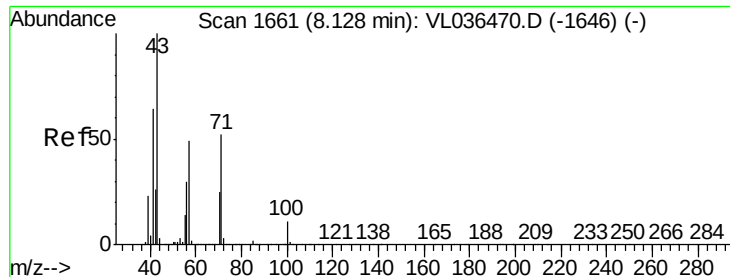
42 1685.6 57.0 85.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





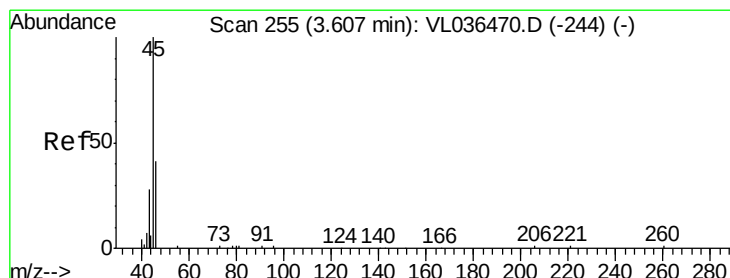
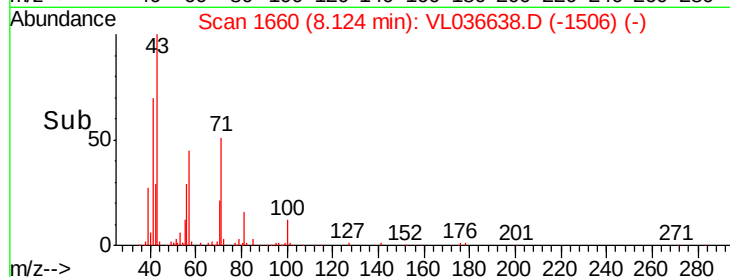
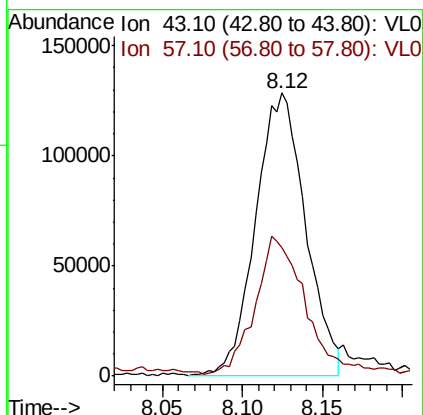
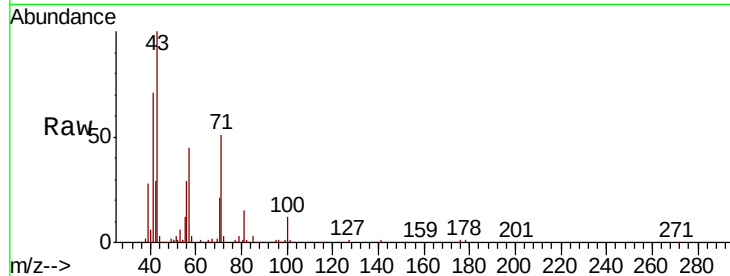
#10
Heptane
Concen: 1.461 ppbv
RT: 8.12 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VL036638.D
Acq: 1 Apr 2021 21:21

Instrument :
MSVOA_L
ClientSampleId :
PBS-SS-3DL2

Tot Ion: 43 Resp: 275876
Ion Ratio Lower Upper
43 100
57 0.0 39.0 58.6#

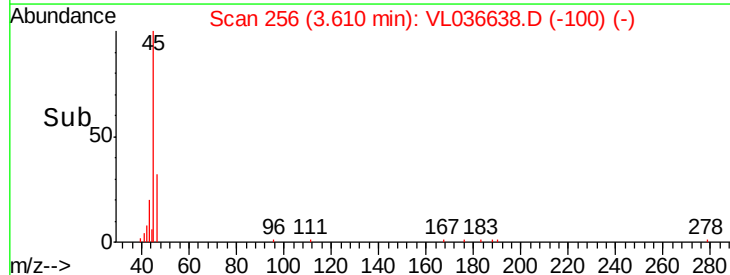
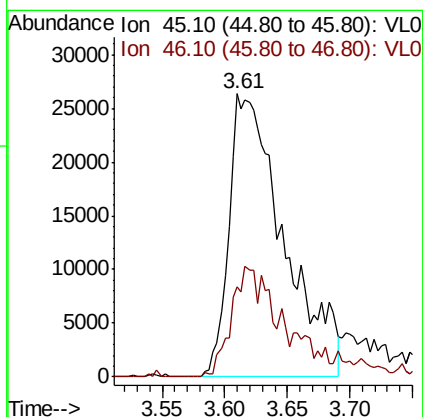
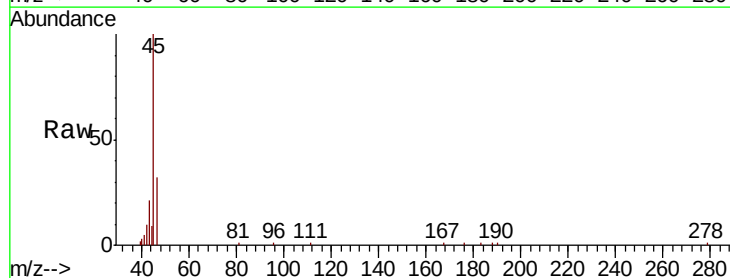
Manual Integrations
APPROVED

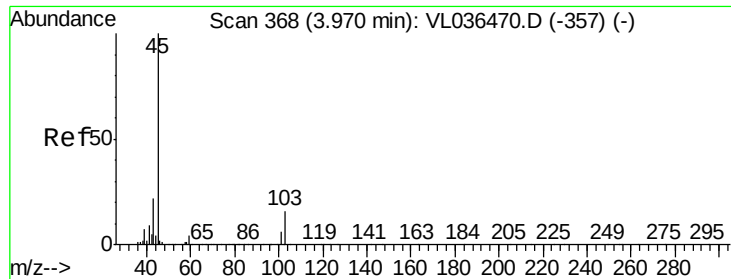
MMDadoda
4/2/2021 6:55:18 PM



#13
Ethanol
Concen: 9.105 ppbv m
RT: 3.61 min Scan# 256
Delta R.T. 0.00 min
Lab File: VL036638.D
Acq: 1 Apr 2021 21:21

Tgt Ion: 45 Resp: 80366
Ion Ratio Lower Upper
45 100
46 0.0 16.6 66.2#





#19

Isopropyl Alcohol

Concen: 4.251 ppbv m

RT: 4.00 min Scan# 376

Delta R.T. 0.03 min

Lab File: VL036638.D

Acq: 1 Apr 2021 21:21

Instrument :

MSVOA_L

ClientSampleId :

PBS-SS-3DL2

Tot Ion: 45 Resp: 286405

Ion Ratio Lower Upper

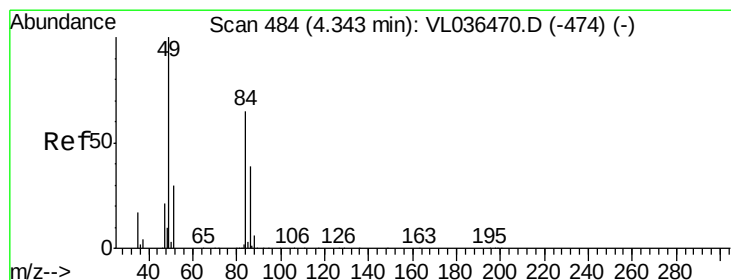
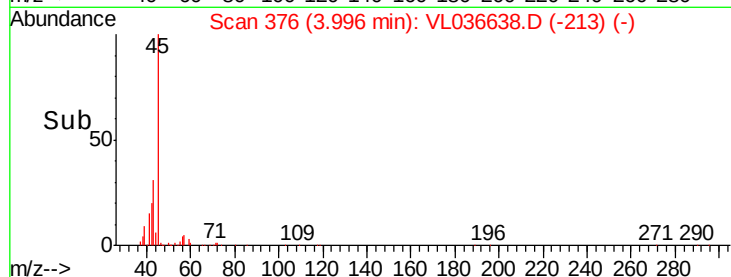
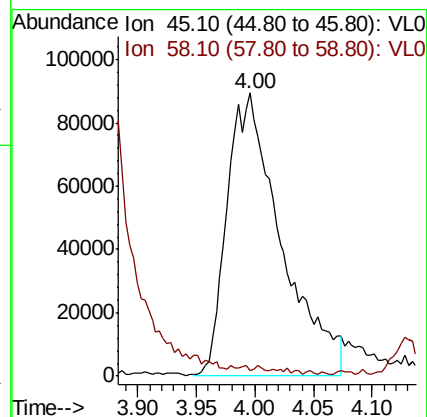
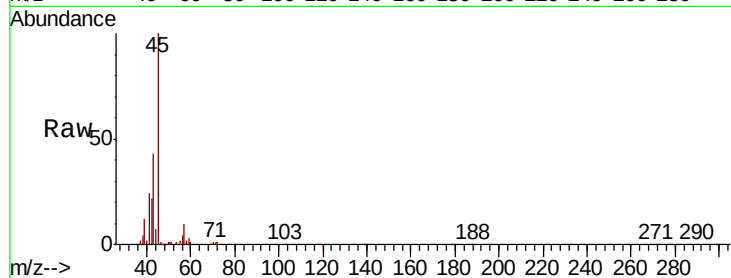
45 100

58 0.0 2.9 4.3#

Manual Integrations
APPROVED

MMDadoda

4/2/2021 6:55:18 PM



#20

Methylene Chloride

Concen: 1.177 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.00 min

Lab File: VL036638.D

Acq: 1 Apr 2021 21:21

Tgt Ion: 84 Resp: 67522

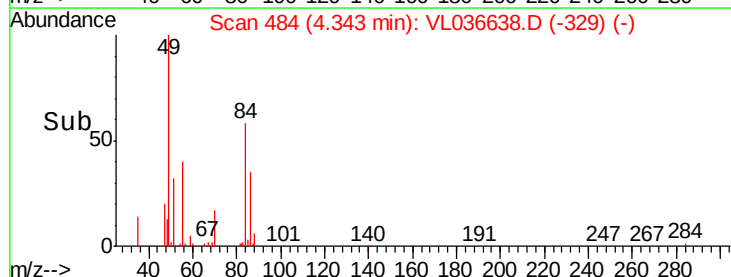
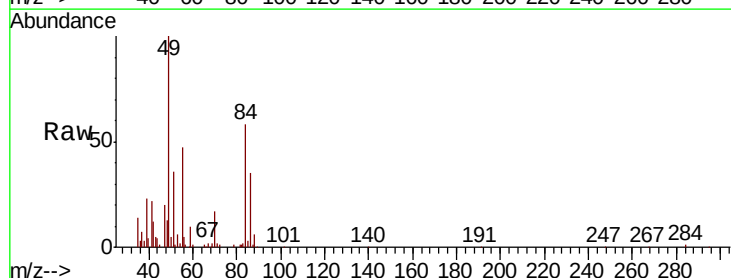
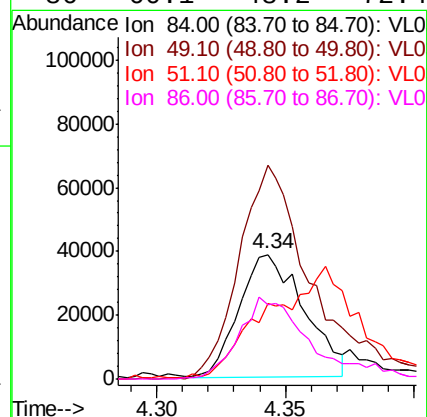
Ion Ratio Lower Upper

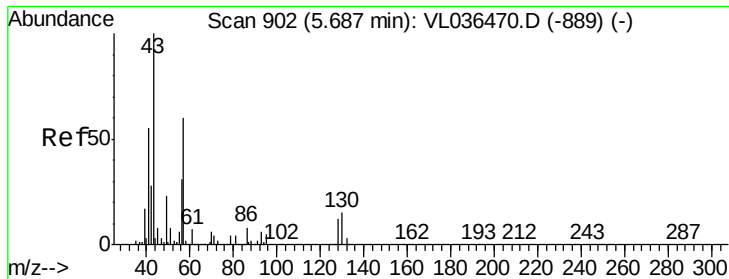
84 100

49 173.7 122.9 184.3

51 58.6 36.9 55.3#

86 60.1 48.2 72.4





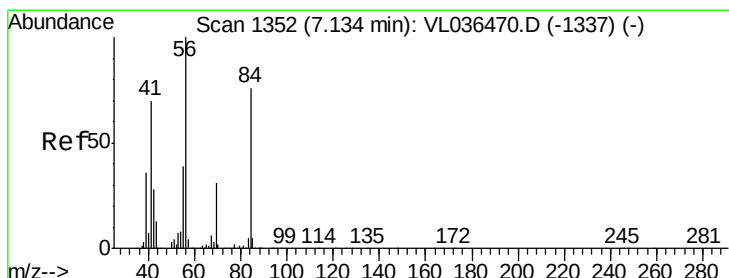
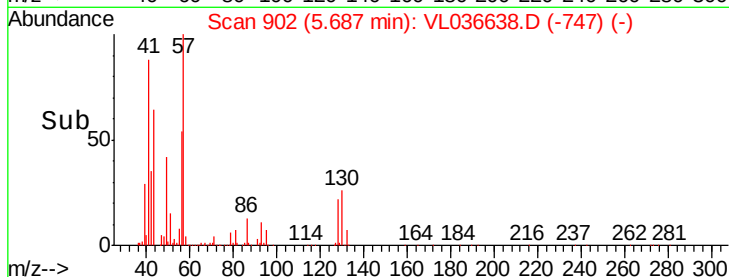
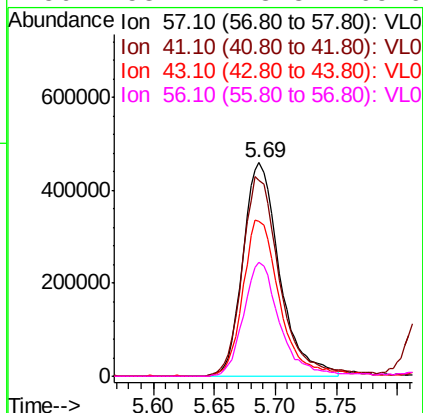
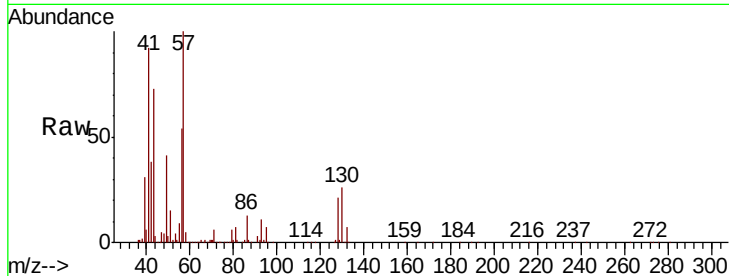
#26
Hexane
Concen: 7.056 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL036638.D
Acq: 1 Apr 2021 21:21

Instrument :
MSVOA_L
ClientSampleId :
PBS-SS-3DL2

Tot Ion	57	Resp	953427
Ion	Ratio	Lower	Upper
57	100		
41	96.1	77.2	115.8
43	73.6	173.8	260.6#
56	53.4	43.8	65.6

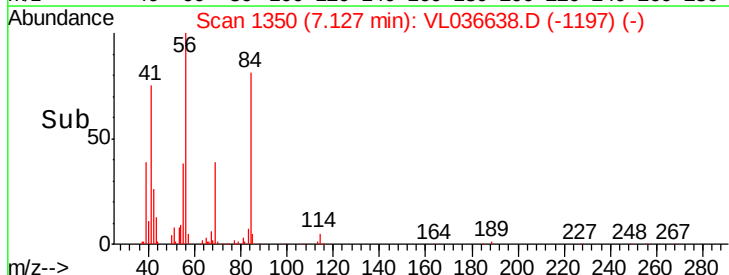
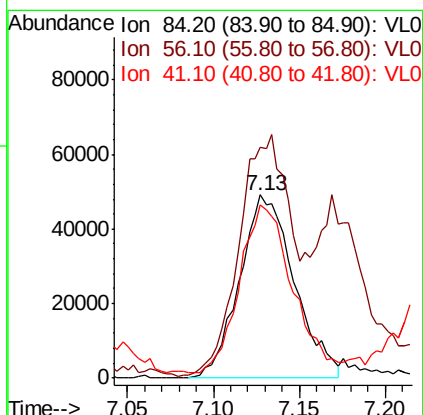
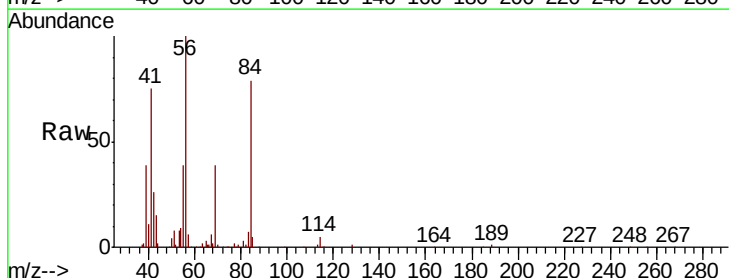
Manual Integrations
APPROVED

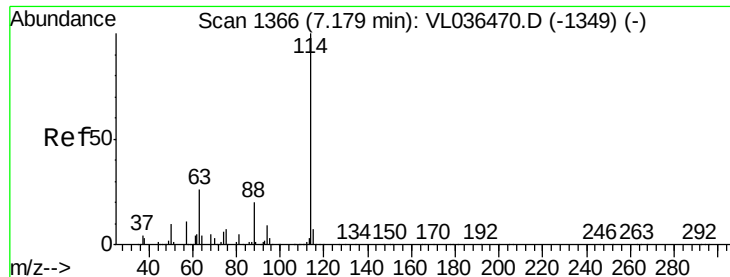
MMDadoda
4/2/2021 6:55:18 PM



#30
Cyclohexane
Concen: 0.980 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. -0.01 min
Lab File: VL036638.D
Acq: 1 Apr 2021 21:21

Tgt Ion	84	Resp	107394
Ion	Ratio	Lower	Upper
84	100		
56	121.8	114.6	171.8
41	91.8	75.3	112.9





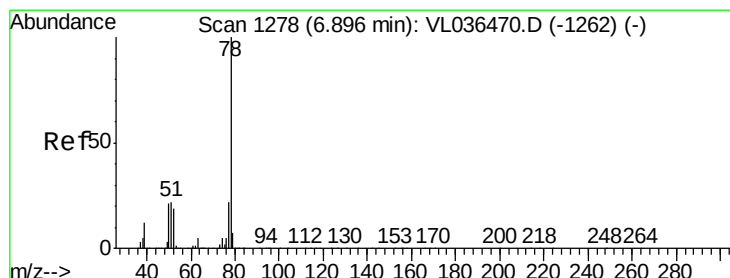
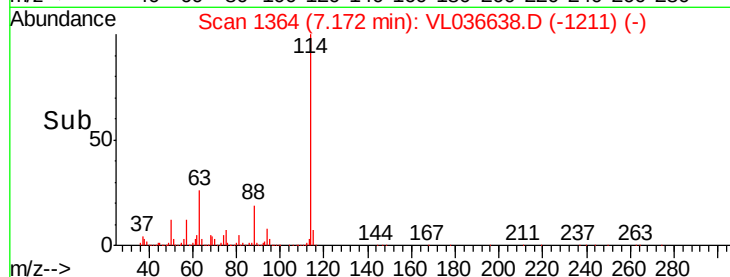
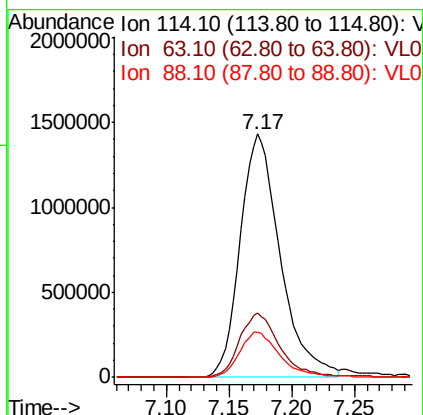
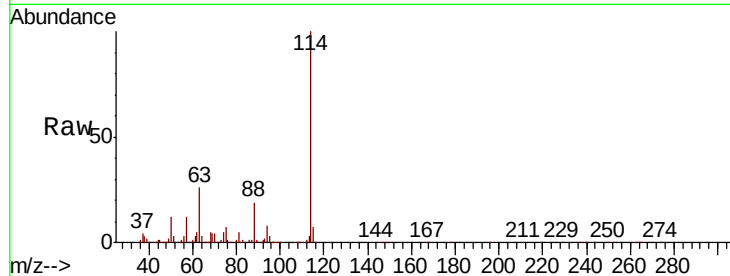
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VL036638.D
 Acq: 1 Apr 2021 21:21

Instrument :
 MSVOA_L
 ClientSampleId :
 PBS-SS-3DL2

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.9	22.4	33.6
88	19.2	15.4	23.0

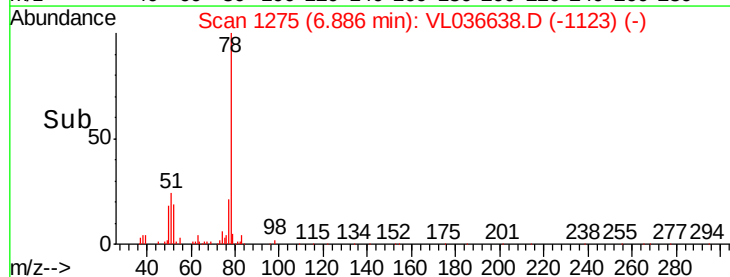
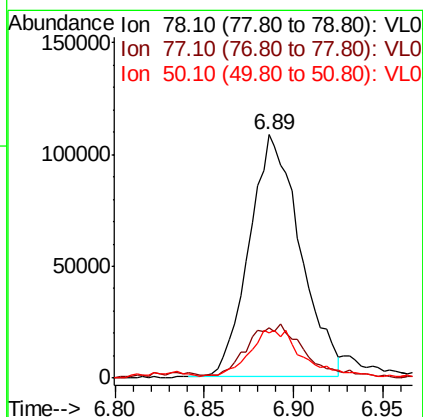
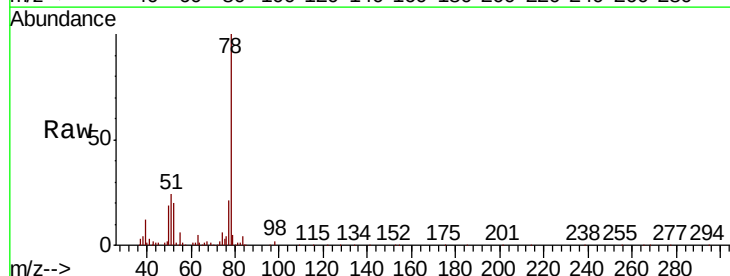
Manual Integrations
 APPROVED

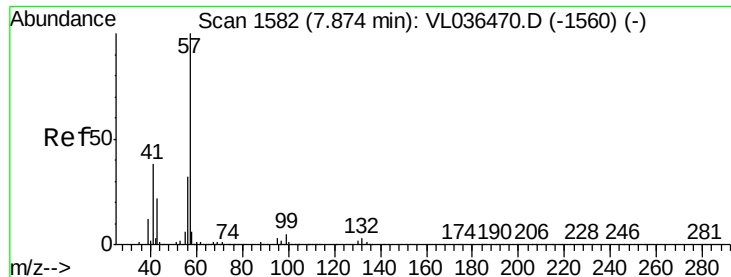
MMDadoda
 4/2/2021 6:55:18 PM



#36
 Benzene
 Concen: 0.735 ppbv
 RT: 6.89 min Scan# 1275
 Delta R.T. -0.01 min
 Lab File: VL036638.D
 Acq: 1 Apr 2021 21:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	18.8	18.0	27.0
50	17.4	16.5	24.7





#44

2,2,4-Trimethylpentane

Concen: 13.545 ppbv

RT: 7.87 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VL036638.D

Acq: 1 Apr 2021 21:21

Instrument :

MSVOA_L

ClientSampleId :

PBS-SS-3DL2

Tot Ion: 57 Resp: 7000477

Ion Ratio Lower Upper

57 100

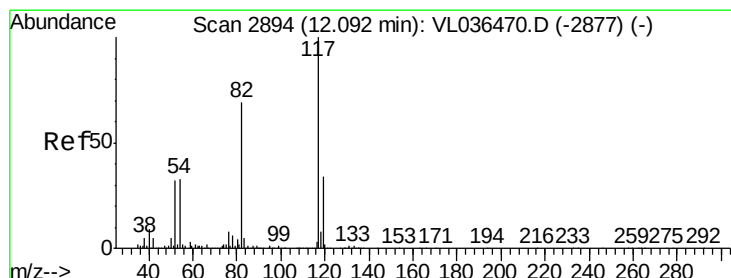
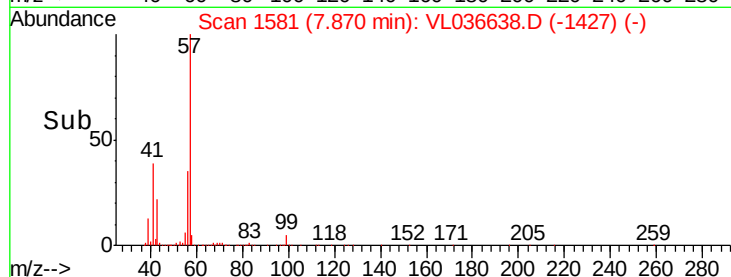
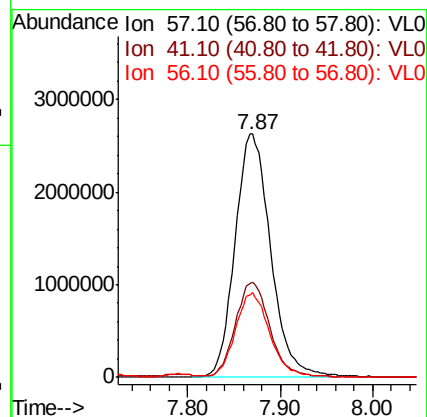
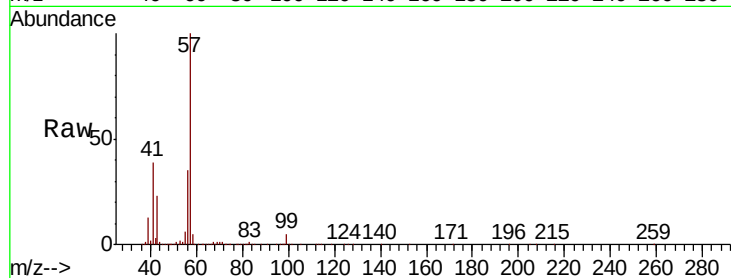
41 38.4 28.8 43.2

56 33.8 26.1 39.1

Manual Integrations
APPROVED

MMDadoda

4/2/2021 6:55:18 PM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. -0.01 min

Lab File: VL036638.D

Acq: 1 Apr 2021 21:21

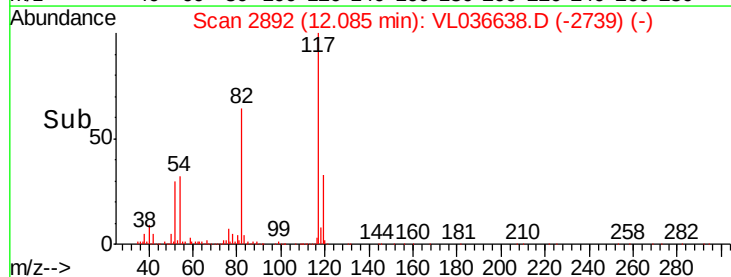
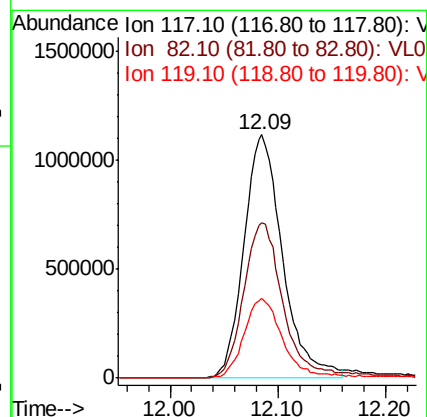
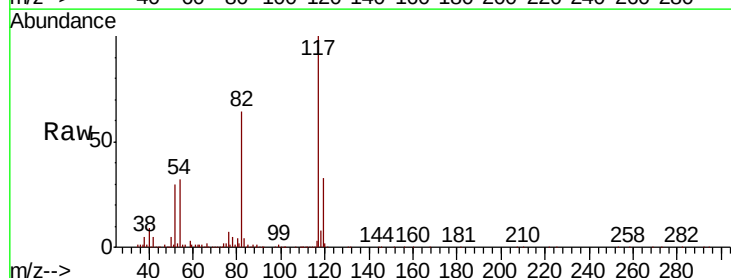
Tgt Ion: 117 Resp: 2783850

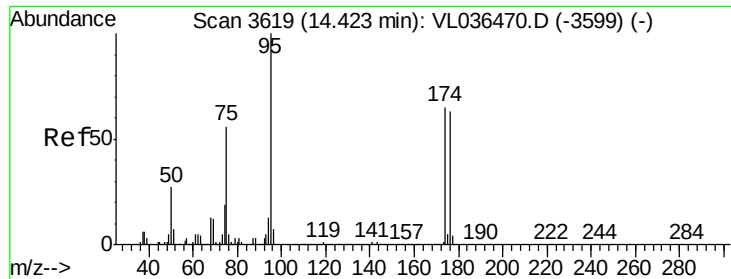
Ion Ratio Lower Upper

117 100

82 67.2 57.4 86.0

119 34.0 47.4 71.0#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.354 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T. -0.01 min
 Lab File: VL036638.D
 Acq: 1 Apr 2021 21:21

Instrument :
 MSVOA_L
 ClientSampleId :
 PBS-SS-3DL2

Tot Ion	Ratio	Lower	Upper
95	100		
174	78.5	51.0	76.6#
175	5.2	3.9	5.9

Manual Integrations
 APPROVED

MMDadoda
 4/2/2021 6:55:18 PM

