

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073019\
 Data File : VL034064.D
 Acq On : 30 Jul 2019 14:10
 Operator : SY/AP
 Sample : K4033-03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSG2

Manual Integrations
 APPROVED

MMdadoda
 8/2/2019 9:37:47 AM

Quant Time: Jul 31 03:24:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL073019AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 31 2019
 QLast Update : Tue Jul 30 06:55:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.72	49	1147147	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.25	114	4324402	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.19	117	3163049	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.52	95	2555822	10.22	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	27084	0.123	ppbv	95
3) Chlorodifluoromethane	2.99	51	230294	1.739	ppbv	93
4) Chloromethane	3.14	50	26370	0.340	ppbv #	84
9) Propene	3.01	41	290717m	6.115	ppbv	
10) Heptane	8.20	43	567994	4.381	ppbv	97
11) Trichlorofluoromethane	3.97	101	87684	0.358	ppbv	94
13) Ethanol	3.64	45	1016955	53.747	ppbv	95
15) Acetone	3.87	43	1661898	9.529	ppbv	90
17) tert-Butyl alcohol	4.35	59	119378m	0.832	ppbv	
19) Isopropyl Alcohol	4.02	45	144388m	1.212	ppbv	
20) Methylene Chloride	4.37	84	173294	2.598	ppbv	96
26) Hexane	5.74	57	854554	7.287	ppbv #	40
27) Carbon Disulfide	4.58	76	254528	1.394	ppbv #	90
29) Chloroform	5.80	83	241994	1.130	ppbv	96
30) Cyclohexane	7.20	84	650060	5.456	ppbv	93
32) 1,1,1-Trichloroethane	6.57	97	108419m	0.482	ppbv	
34) 2-Butanone	5.30	43	122768	0.690	ppbv	96
36) Benzene	6.96	78	1420762	4.935	ppbv	98
44) 2,2,4-Trimethylpentane	7.94	57	695480	1.455	ppbv #	80
52) Tetrachloroethene	11.33	164	44358m	0.393	ppbv	
53) Toluene	9.90	91	17417959	57.990	ppbv	94
58) Ethyl Benzene	12.81	91	4928467	13.166	ppbv	98
59) m/p-Xylene	13.07	91	14121824	41.500	ppbv	95
60) o-Xylene	13.79	91	5878997	17.382	ppbv	97
61) Styrene	13.63	104	1025057	4.590	ppbv	98
62) Isopropylbenzene	14.78	105	1623578	3.583	ppbv	100
64) n-propylbenzene	15.67	120	560681	4.778	ppbv	91
67) sec-Butylbenzene	17.41	105	149196	0.251	ppbv #	92
70) n-Butylbenzene	18.67	91	580208	1.133	ppbv #	45
72) 4-Ethyltoluene	15.95	105	3593107	9.396	ppbv	99
73) 1,3,5-Trimethylbenzene	16.11	105	2429923	6.243	ppbv	96
74) 1,2,4-Trimethylbenzene	16.88	105	9092366	21.265	ppbv #	83
79) Naphthalene	22.34	128	84349m	0.226	ppbv	

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

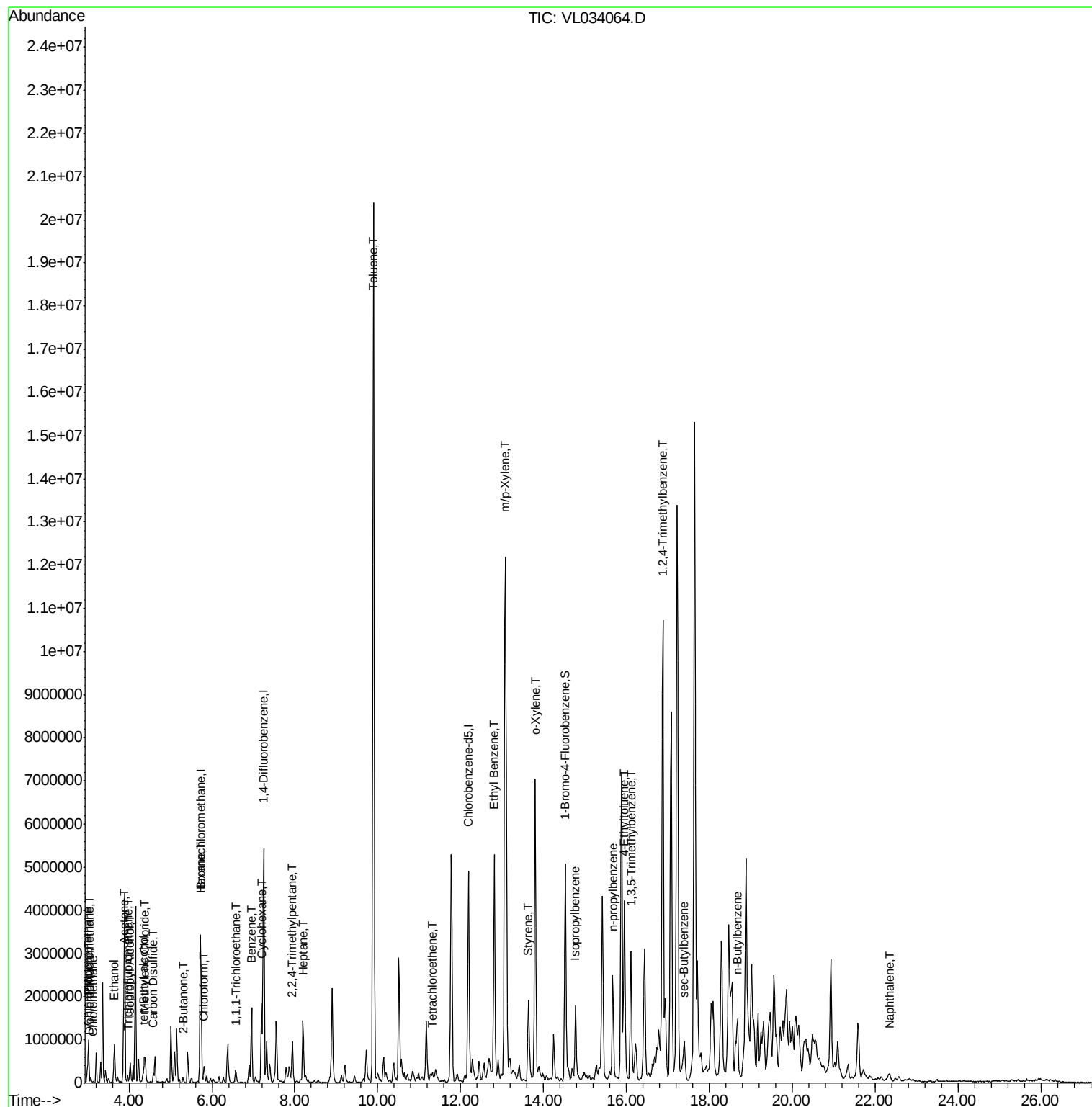
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073019\
Data File : VL034064.D
Acq On : 30 Jul 2019 14:10
Operator : SY/AP
Sample : K4033-03
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

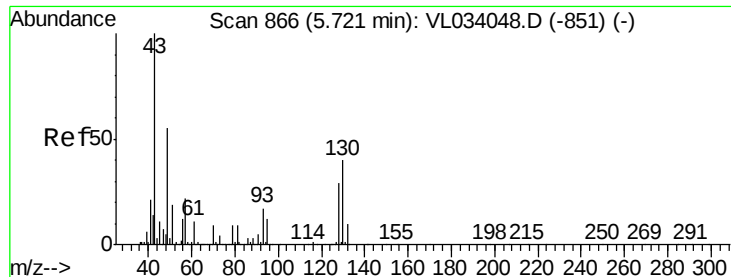
Instrument :
MSVOA_L
ClientSampleId :
SSG2

Manual Integrations
APPROVED

MMdadoda
8/2/2019 9:37:47 AM

Quant Time: Jul 31 03:24:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL073019AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul
QLast Update : Tue Jul 30 06:55:18 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.72 min Scan# 865

Delta R.T. -0.00 min

Lab File: VL034064.D

Acq: 30 Jul 2019 14:10

Instrument :

MSVOA_L

ClientSampled :

SSG2

Tot Ion: 49 Resp: 1147147

Ion Ratio Lower Upper

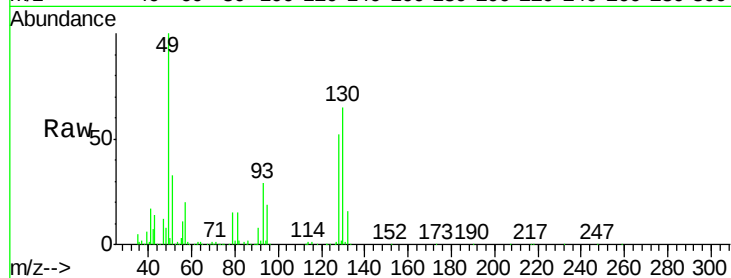
49 100

128 53.3 27.0 81.0

130 67.9 35.0 105.0

Manual Integrations
APPROVED

MMDadoda
8/2/2019 9:37:47 AM



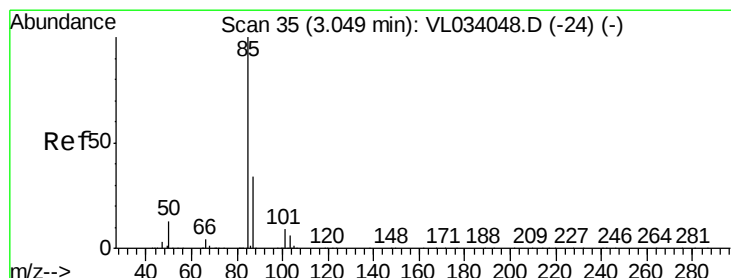
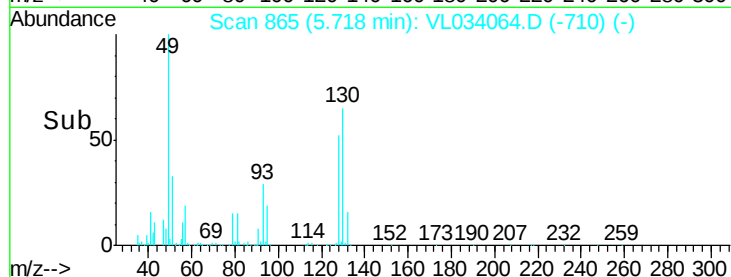
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.72

Time-->



#2

Dichlorodifluoromethane

Concen: 0.123 ppbv

RT: 3.06 min Scan# 37

Delta R.T. 0.01 min

Lab File: VL034064.D

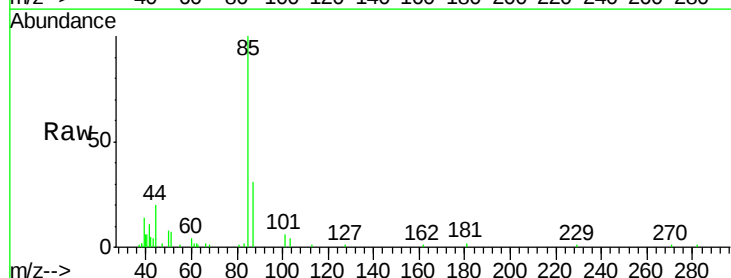
Acq: 30 Jul 2019 14:10

Tgt Ion: 85 Resp: 27084

Ion Ratio Lower Upper

85 100

87 30.6 27.0 40.4

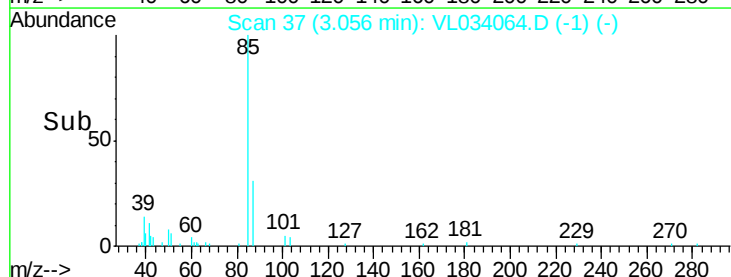


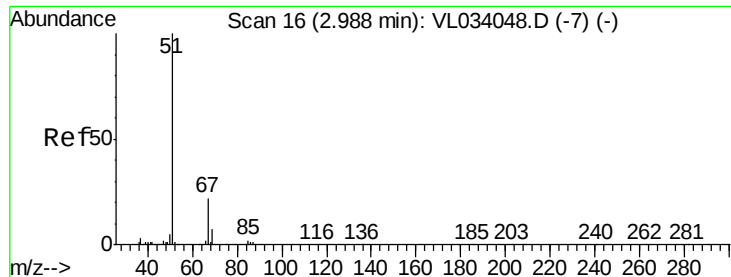
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.06

Time-->





#3

Chlorodifluoromethane

Concen: 1.739 ppbv

RT: 2.99 min Scan# 16

Delta R.T. 0.00 min

Lab File: VL034064.D

Acq: 30 Jul 2019 14:10

Instrument :

MSVOA_L

ClientSampleId :

SSG2

Tot Ion: 51 Resp: 230294

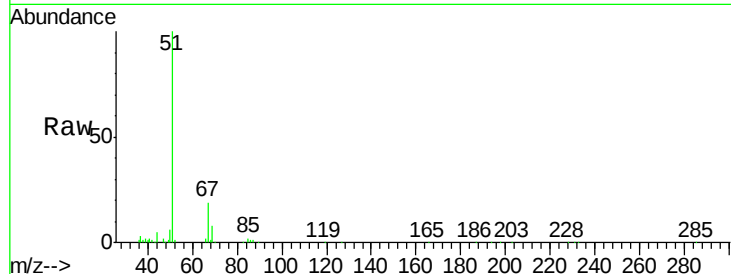
Ion Ratio Lower Upper

51 100

67 18.2 17.4 26.0

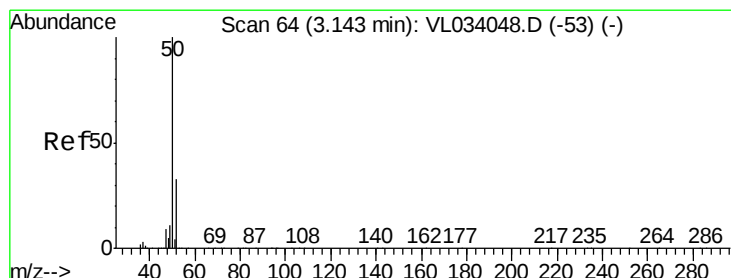
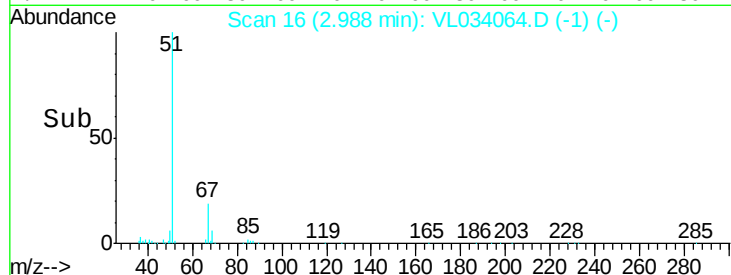
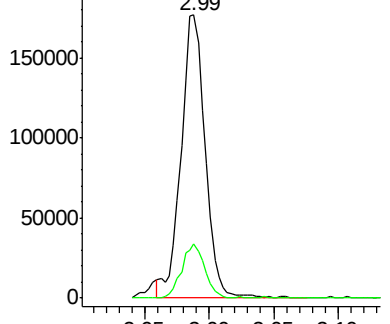
Manual Integrations
APPROVED

MMdadoda
8/2/2019 9:37:47 AM



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.340 ppbv

RT: 3.14 min Scan# 64

Delta R.T. 0.00 min

Lab File: VL034064.D

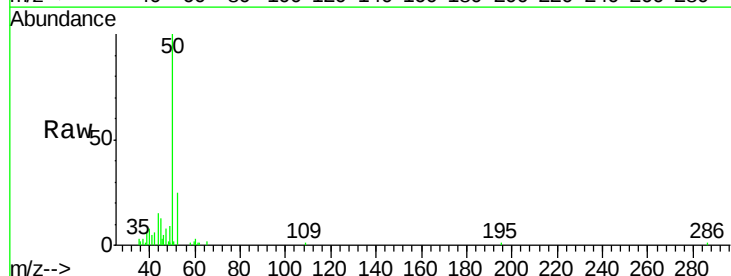
Acq: 30 Jul 2019 14:10

Tgt Ion: 50 Resp: 26370

Ion Ratio Lower Upper

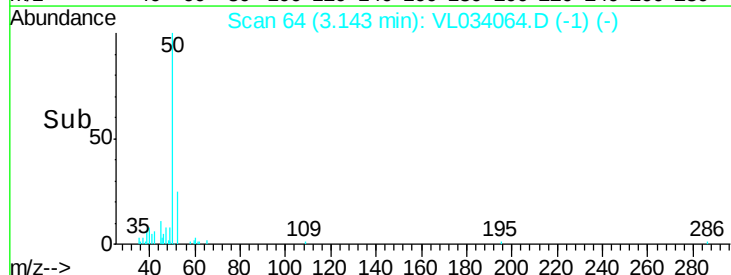
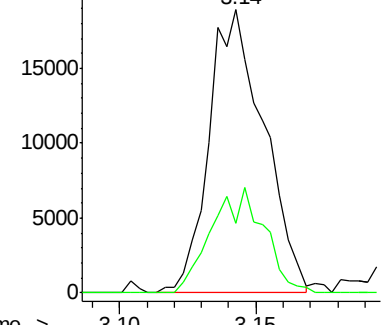
50 100

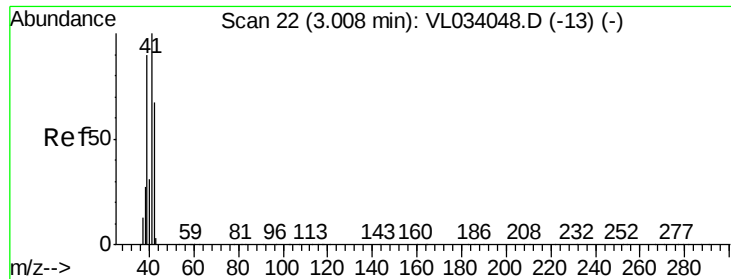
52 24.5 26.7 40.1#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 6.115 ppbv m

RT: 3.01 min Scan# 24

Delta R.T. 0.01 min

Lab File: VL034064.D

Acq: 30 Jul 2019 14:10

Instrument :

MSVOA_L

ClientSampleId :

SSG2

Tot Ion: 41 Resp: 290717

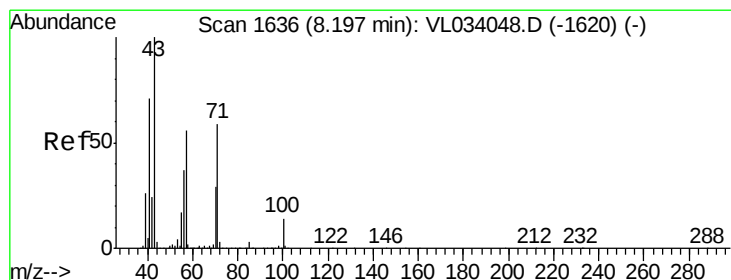
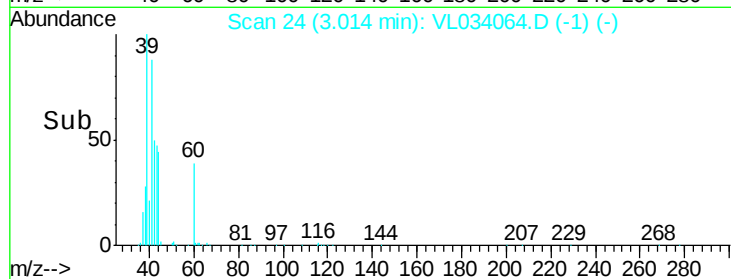
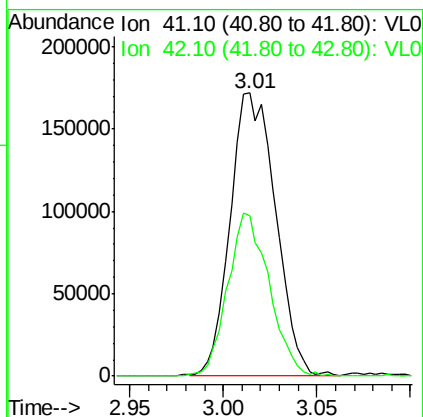
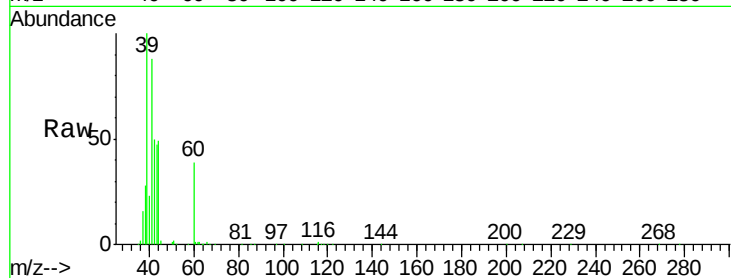
Ion Ratio Lower Upper

41 100

42 37.1 55.4 83.2#

Manual Integrations
APPROVED

MMdadoda
8/2/2019 9:37:47 AM



#10

Heptane

Concen: 4.381 ppbv

RT: 8.20 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VL034064.D

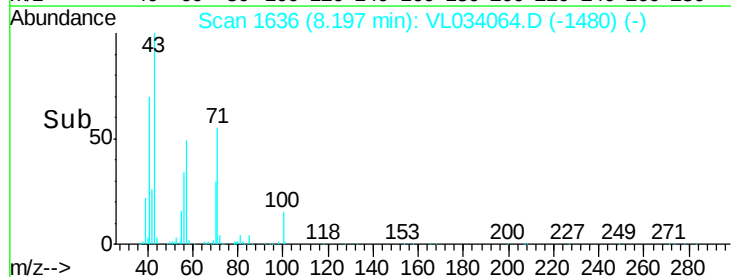
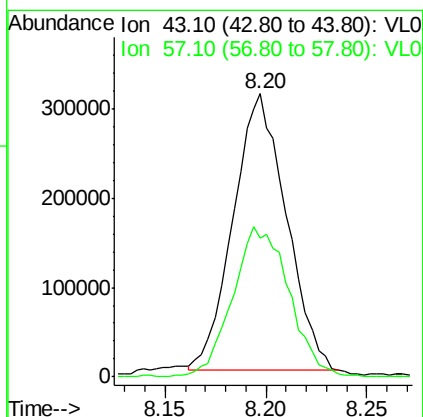
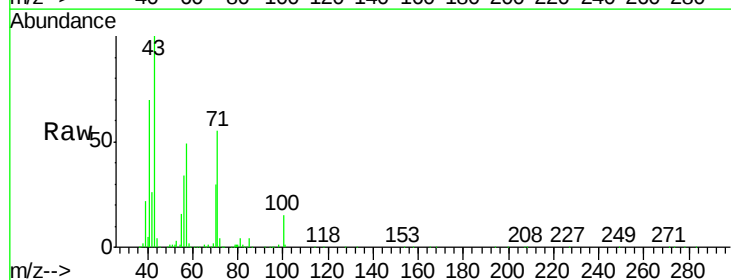
Acq: 30 Jul 2019 14:10

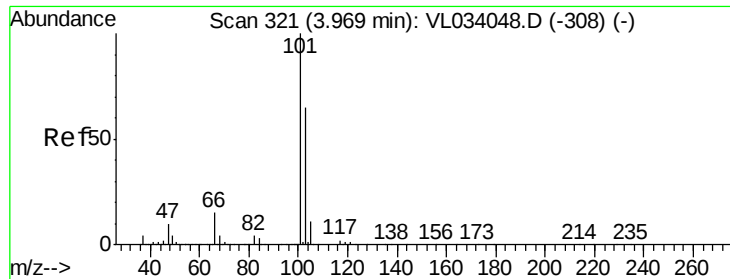
Tgt Ion: 43 Resp: 567994

Ion Ratio Lower Upper

43 100

57 57.9 44.8 67.2





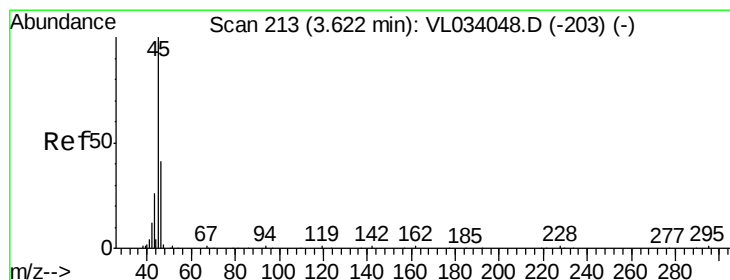
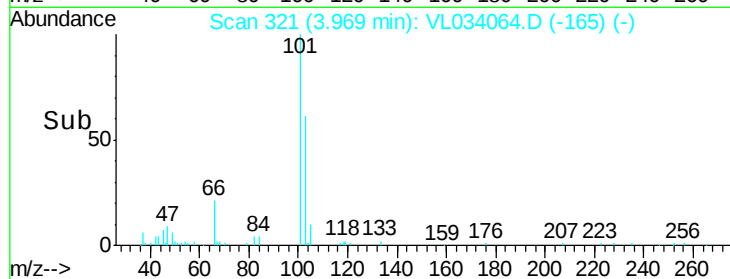
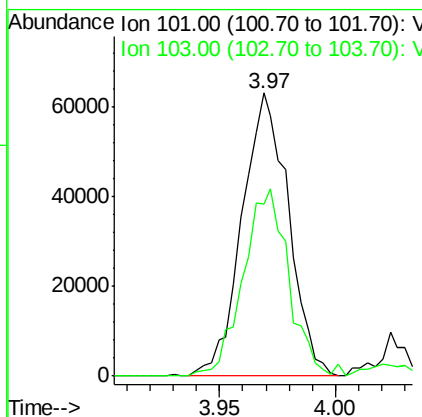
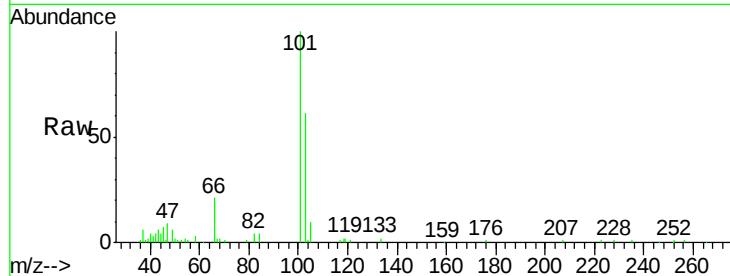
#11
 Trichlorofluoromethane
 Concen: 0.358 ppbv
 RT: 3.97 min Scan# 321
 Delta R.T. 0.00 min
 Lab File: VL034064.D
 Acq: 30 Jul 2019 14:10

Instrument :
 MSVOA_L
 ClientSampleId :
 SSG2

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.8	52.3	78.5

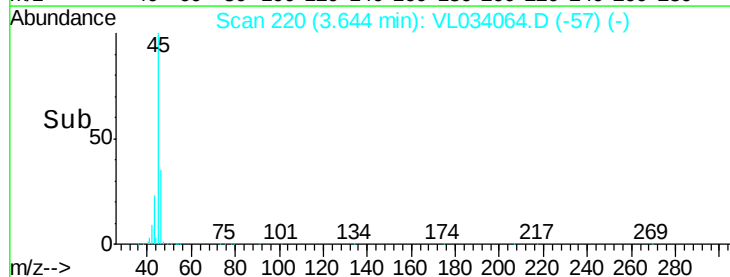
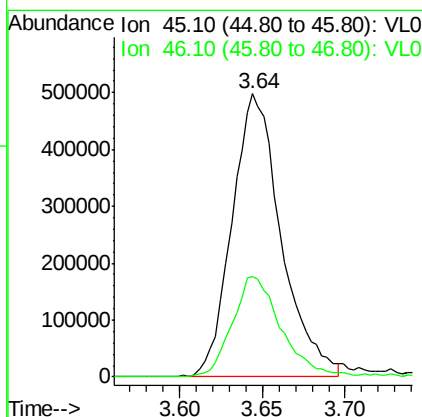
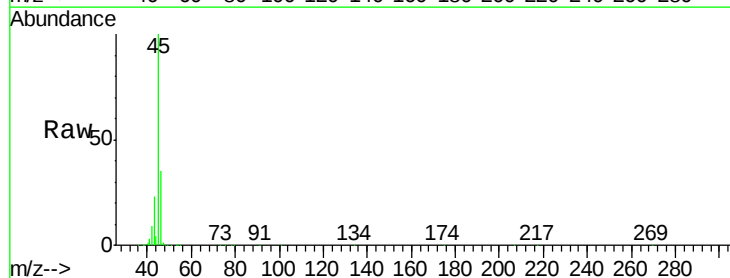
Manual Integrations
 APPROVED

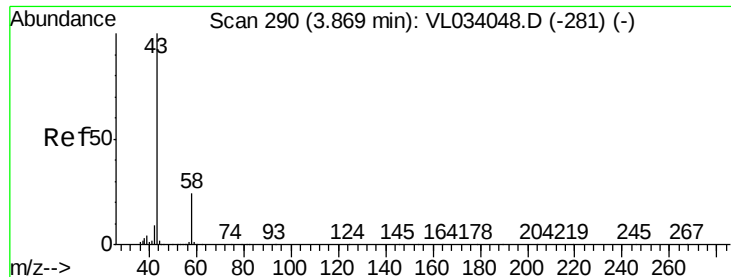
MMDadoda
 8/2/2019 9:37:47 AM



#13
 Ethanol
 Concen: 53.747 ppbv
 RT: 3.64 min Scan# 220
 Delta R.T. 0.02 min
 Lab File: VL034064.D
 Acq: 30 Jul 2019 14:10

Tgt Ion	Ratio	Lower	Upper
45	100		
46	35.9	15.6	62.2





#15

Acetone

Concen: 9.529 ppbv

RT: 3.87 min Scan# 289

Delta R.T. -0.00 min

Lab File: VL034064.D

Acq: 30 Jul 2019 14:10

Instrument :

MSVOA_L

ClientSampleId :

SSG2

Tot Ion: 43 Resp: 1661898

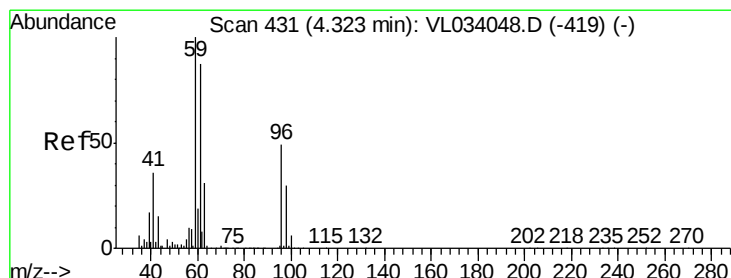
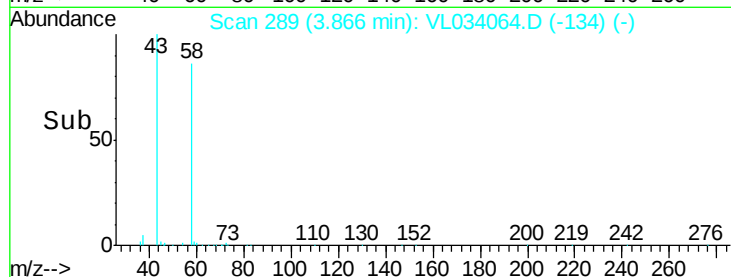
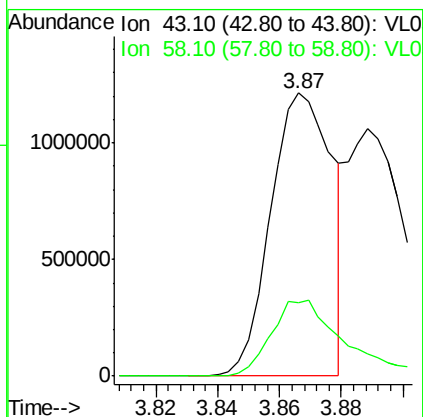
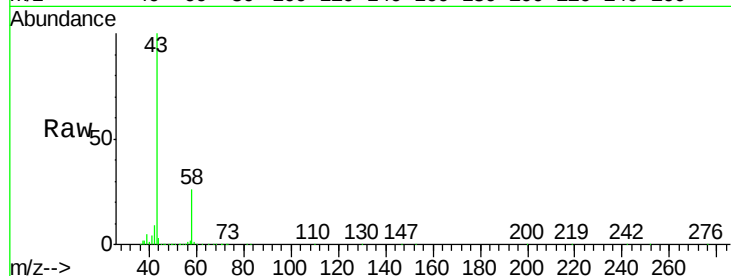
Ion Ratio Lower Upper

43 100

58 32.2 21.6 32.4

Manual Integrations
APPROVED

MMdadoda
8/2/2019 9:37:47 AM



#17

tert-Butyl alcohol

Concen: 0.832 ppbv m

RT: 4.35 min Scan# 439

Delta R.T. 0.03 min

Lab File: VL034064.D

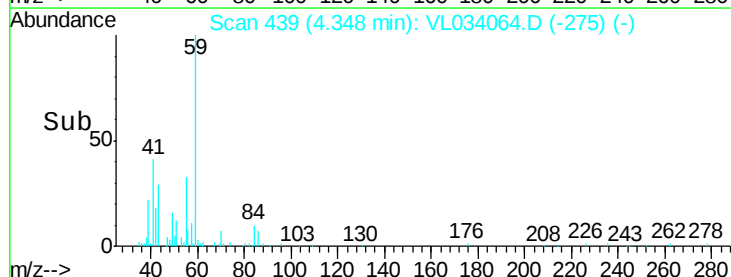
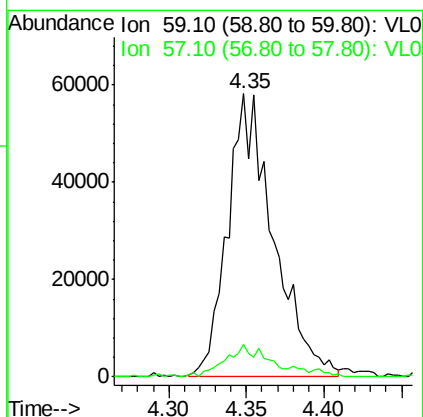
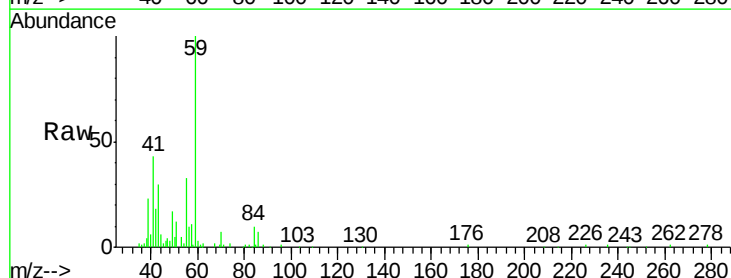
Acq: 30 Jul 2019 14:10

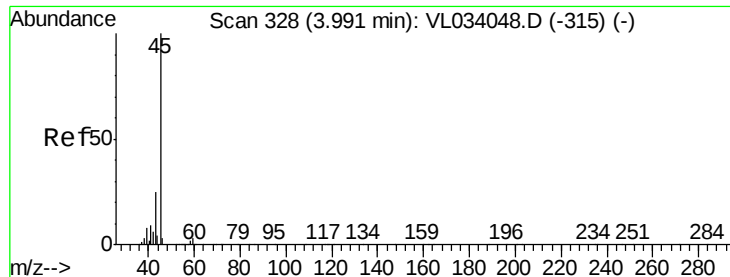
Tgt Ion: 59 Resp: 119378

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#





#19

Isopropyl Alcohol

Concen: 1.212 ppbv m

RT: 4.02 min Scan# 336

Delta R.T. 0.03 min

Lab File: VL034064.D

Acq: 30 Jul 2019 14:10

Instrument :

MSVOA_L

ClientSampled :

SSG2

Tot Ion: 45 Resp: 144388

Ion Ratio Lower Upper

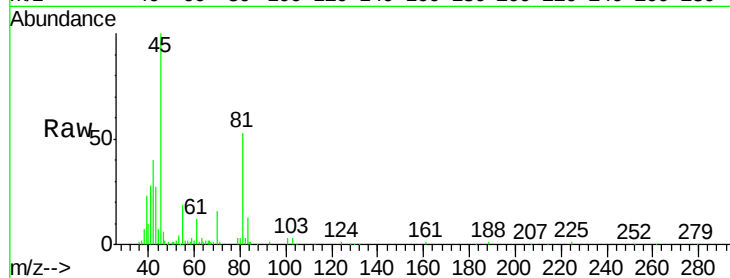
45 100

58 0.0 1.8 2.6#

Manual Integrations
APPROVED

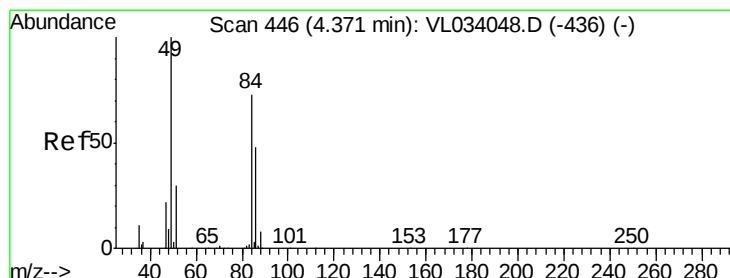
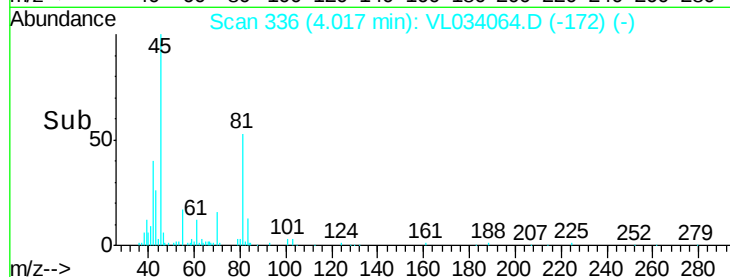
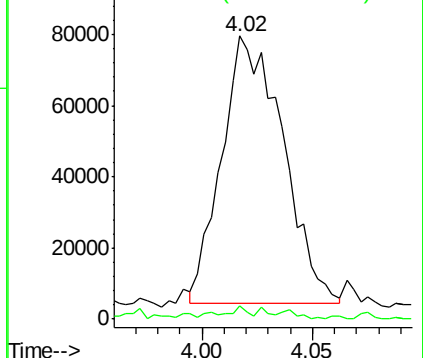
MMdadoda

8/2/2019 9:37:47 AM



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 2.598 ppbv

RT: 4.37 min Scan# 446

Delta R.T. 0.00 min

Lab File: VL034064.D

Acq: 30 Jul 2019 14:10

Tgt Ion: 84 Resp: 173294

Ion Ratio Lower Upper

84 100

49 142.0 109.6 164.4

51 43.7 33.4 50.2

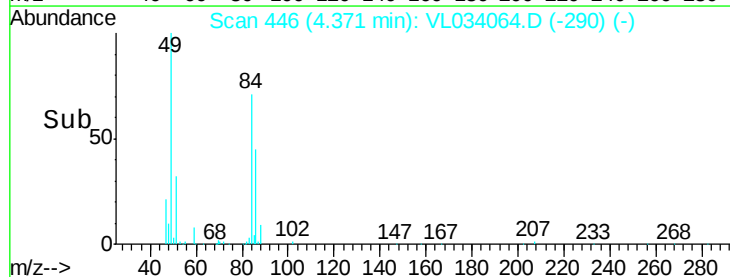
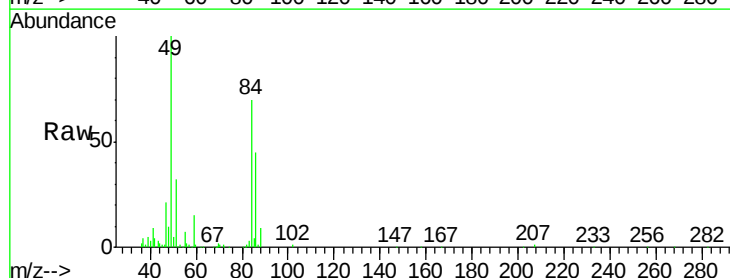
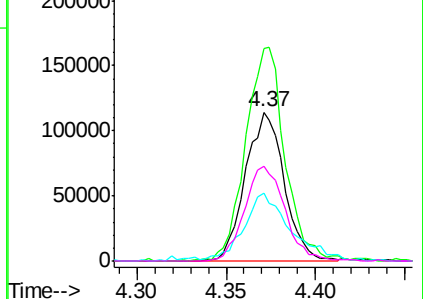
86 63.4 52.6 78.8

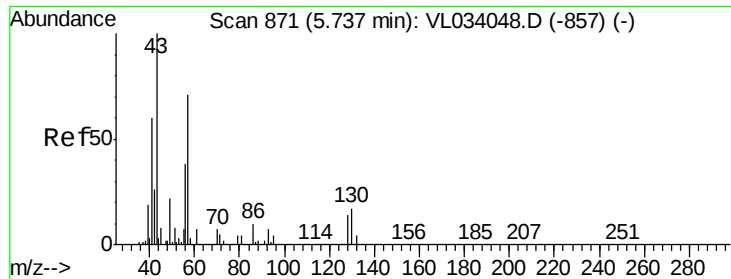
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#26

Hexane

Concen: 7.287 ppbv

RT: 5.74 min Scan# 871

Delta R.T. 0.00 min

Lab File: VL034064.D

Acq: 30 Jul 2019 14:10

Instrument :

MSVOA_L

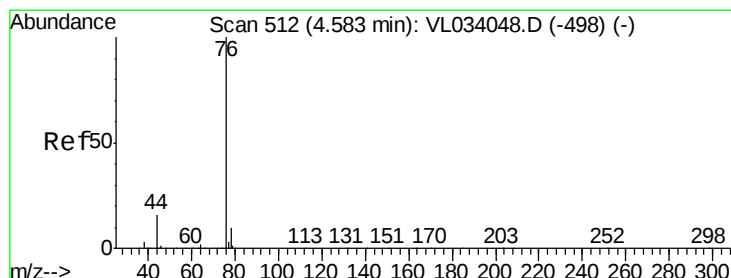
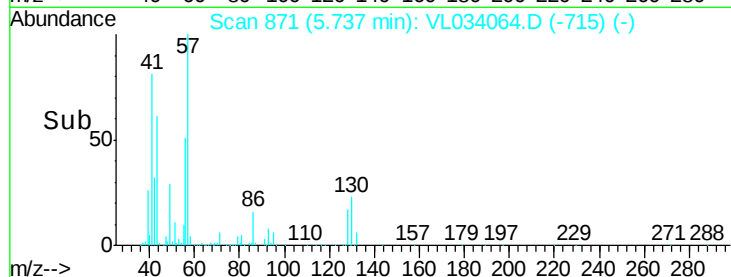
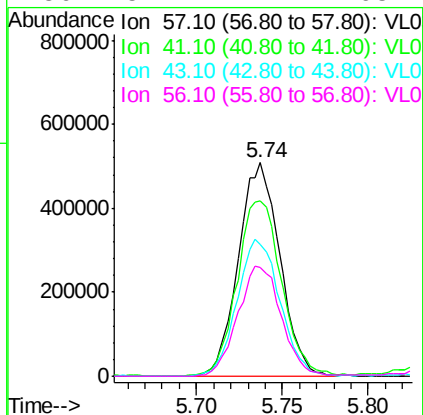
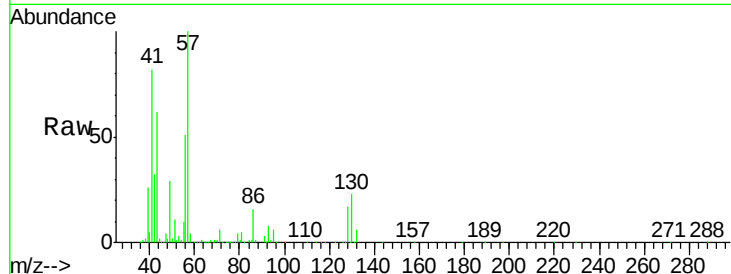
ClientSampleId :

SSG2

Tot Ion:	57	Resp:	854554
Ion Ratio	Lower	Upper	
57	100		
41	88.4	69.0	103.6
43	66.4	176.6	264.8#
56	54.1	42.2	63.4

Manual Integrations
APPROVED

MMdadoda
8/2/2019 9:37:47 AM



#27

Carbon Disulfide

Concen: 1.394 ppbv

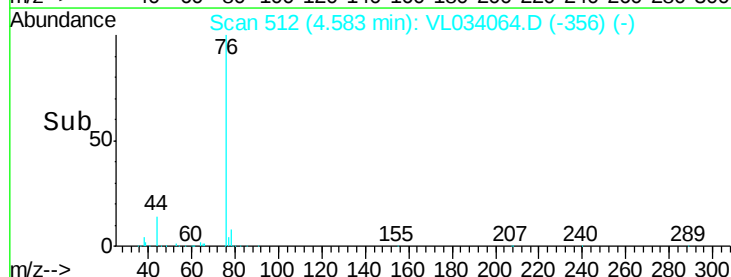
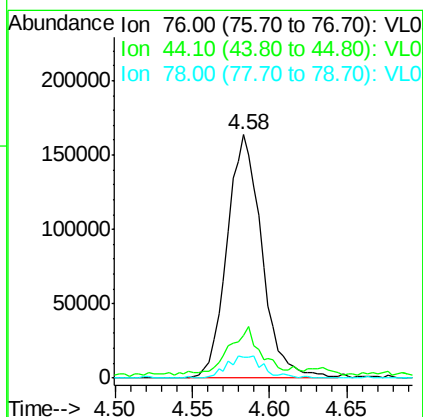
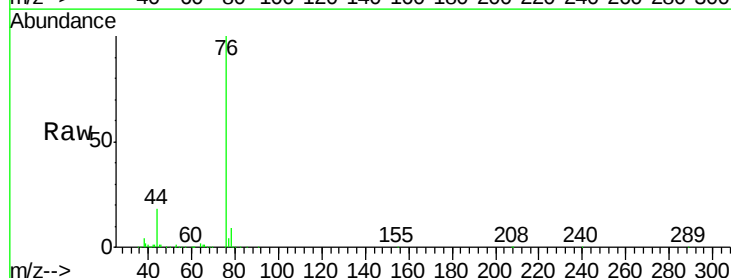
RT: 4.58 min Scan# 512

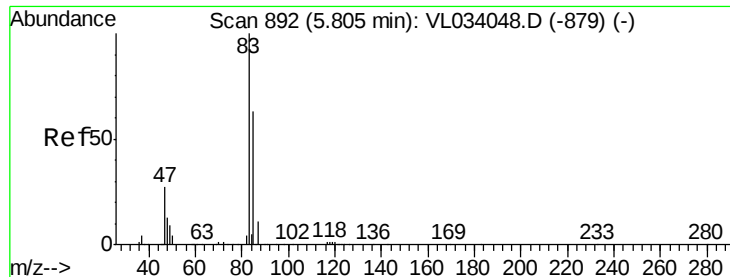
Delta R.T. 0.00 min

Lab File: VL034064.D

Acq: 30 Jul 2019 14:10

Tgt Ion:	76	Resp:	254528
Ion Ratio	Lower	Upper	
76	100		
44	22.9	13.0	19.4#
78	9.6	7.7	11.5





#29

Chloroform

Concen: 1.130 ppbv

RT: 5.80 min Scan# 892

Delta R.T. 0.00 min

Lab File: VL034064.D

Acq: 30 Jul 2019 14:10

Instrument :

MSVOA_L

ClientSampleId :

SSG2

Tot Ion: 83 Resp: 241994

Ion Ratio Lower Upper

83 100

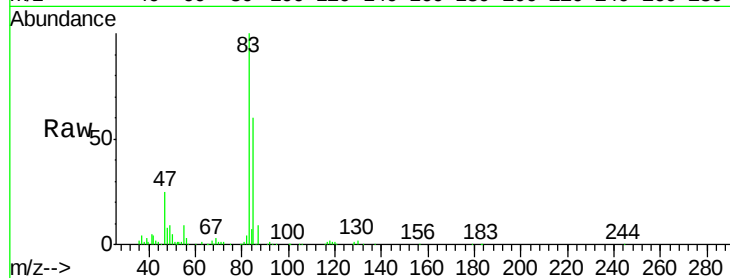
85 59.6 50.2 75.4

Manual Integrations

APPROVED

MMdadoda

8/2/2019 9:37:47 AM



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

150000

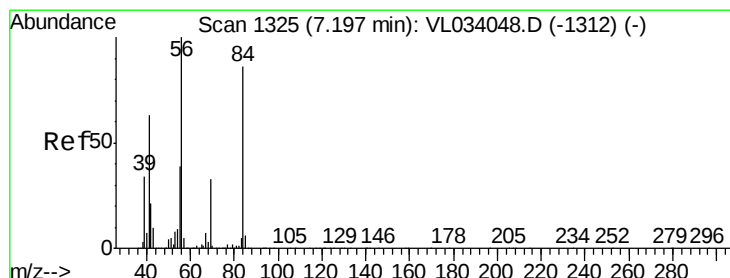
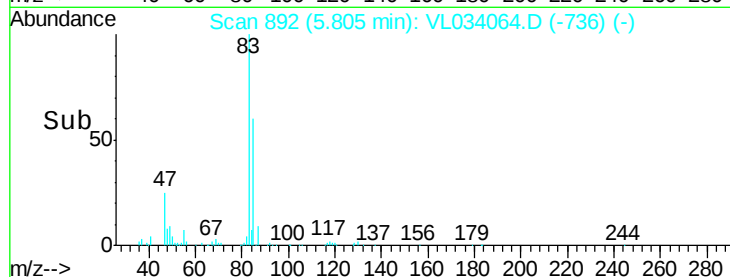
100000

50000

0

5.75 5.80 5.85

Time-->



#30

Cyclohexane

Concen: 5.456 ppbv

RT: 7.20 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VL034064.D

Acq: 30 Jul 2019 14:10

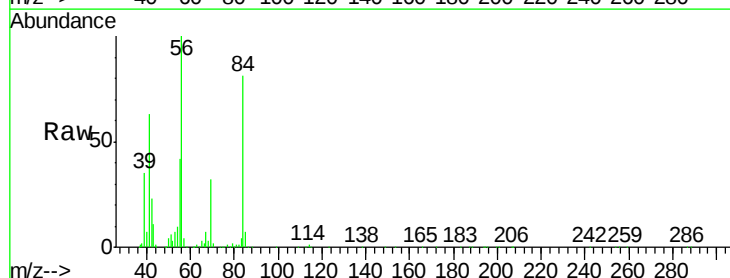
Tgt Ion: 84 Resp: 650060

Ion Ratio Lower Upper

84 100

56 137.3 101.7 152.5

41 77.4 59.4 89.0



Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

500000

400000

300000

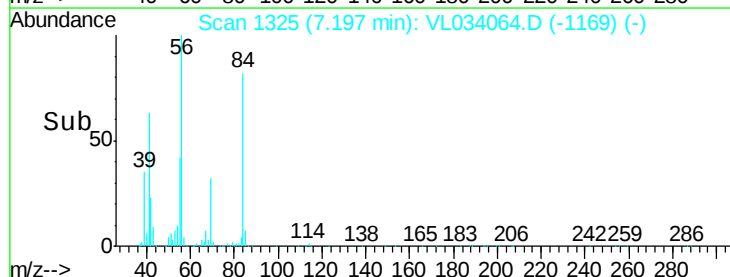
200000

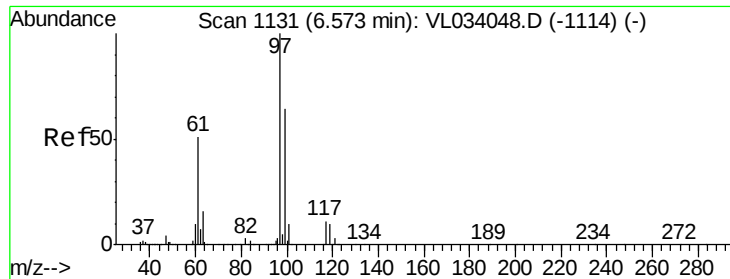
100000

0

7.10 7.15 7.20 7.25

Time-->





#32

1,1,1-Trichloroethane

Concen: 0.482 ppbv m

RT: 6.57 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VL034064.D

Acq: 30 Jul 2019 14:10

Instrument :

MSVOA_L

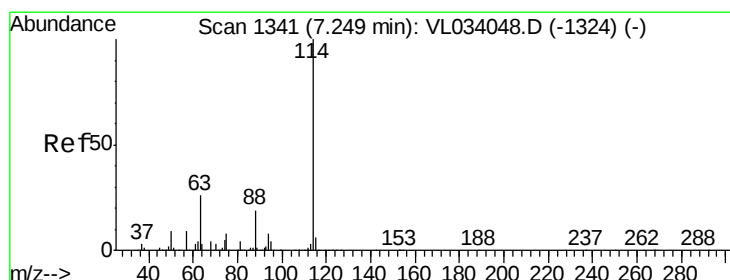
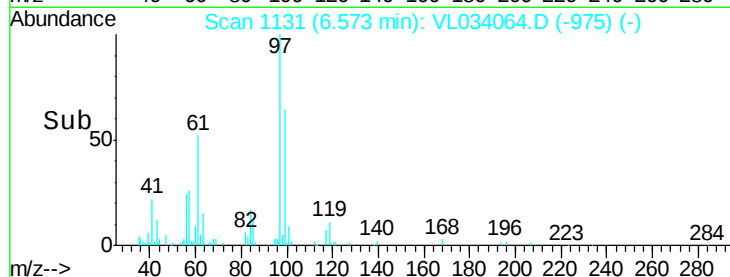
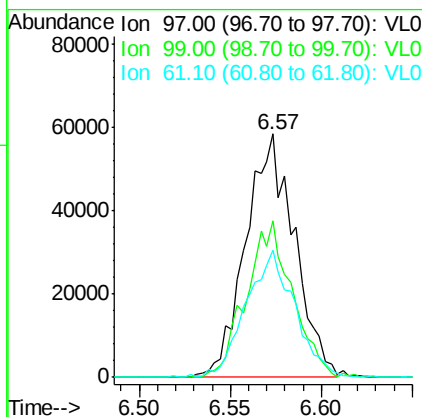
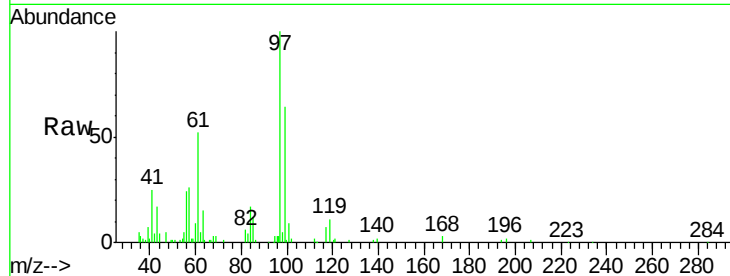
ClientSampled :

SSG2

Tot Ion:	97	Resp:	108419
Ion	Ratio	Lower	Upper
97	100		
99	61.4	51.0	76.6
61	52.5	39.5	59.3

Manual Integrations
APPROVED

MMdadoda
8/2/2019 9:37:47 AM



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

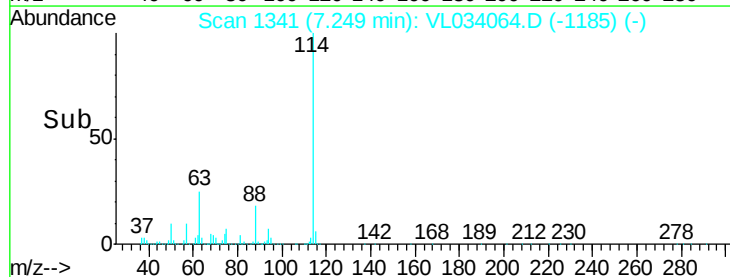
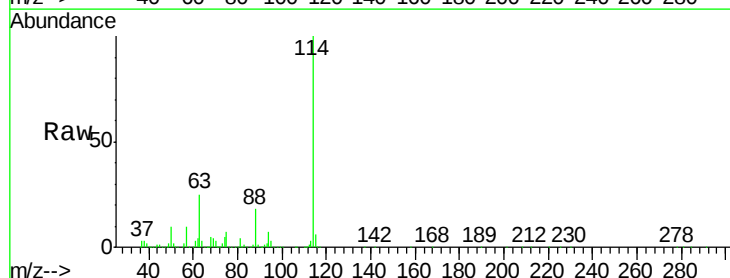
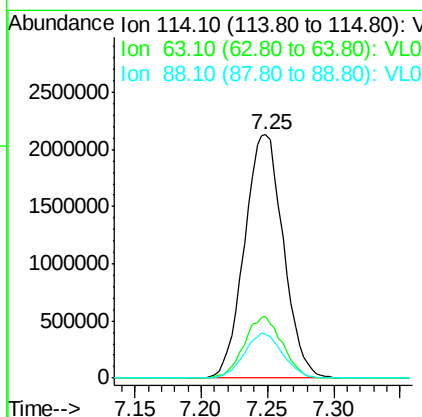
RT: 7.25 min Scan# 1341

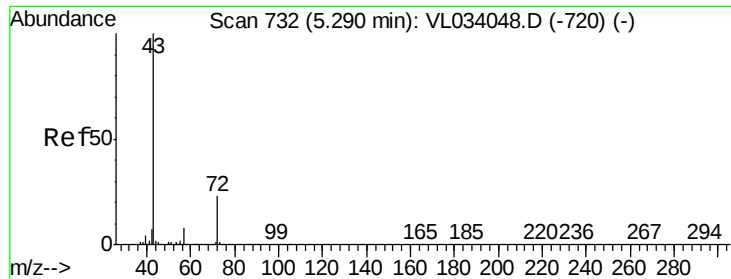
Delta R.T. 0.00 min

Lab File: VL034064.D

Acq: 30 Jul 2019 14:10

Tgt Ion:	114	Resp:	4324402
Ion	Ratio	Lower	Upper
114	100		
63	25.1	21.0	31.6
88	18.2	14.7	22.1





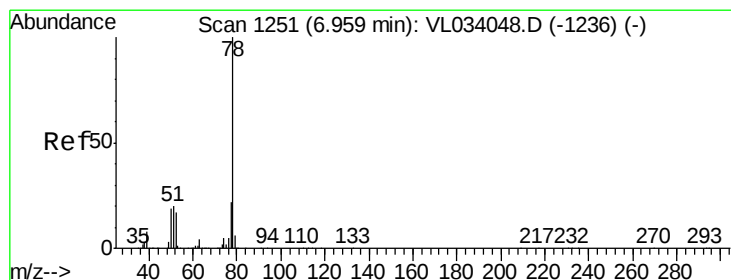
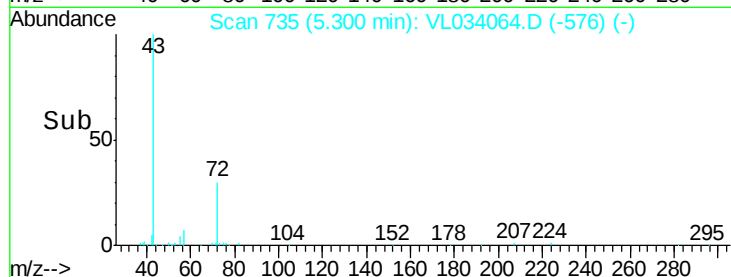
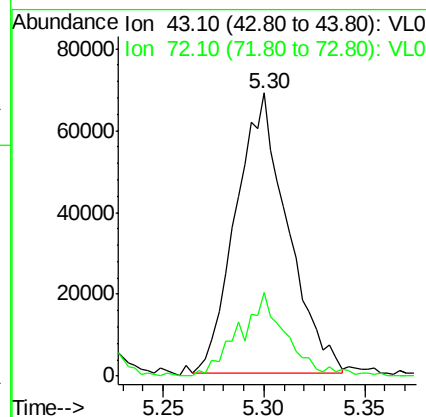
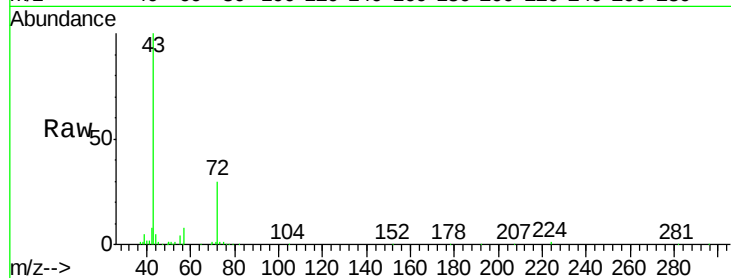
#34
2-Butanone
Concen: 0.690 ppbv
RT: 5.30 min Scan# 735
Delta R.T. 0.01 min
Lab File: VL034064.D
Acq: 30 Jul 2019 14:10

Instrument :
MSVOA_L
ClientSampleId :
SSG2

Tot Ion	Ratio	Lower	Upper
43	100		
72	27.4	20.2	30.4

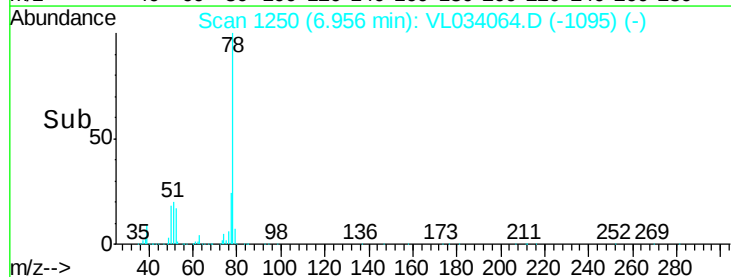
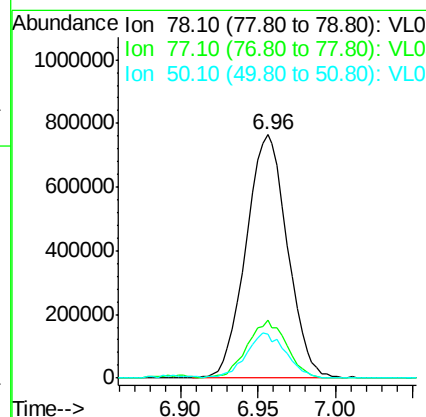
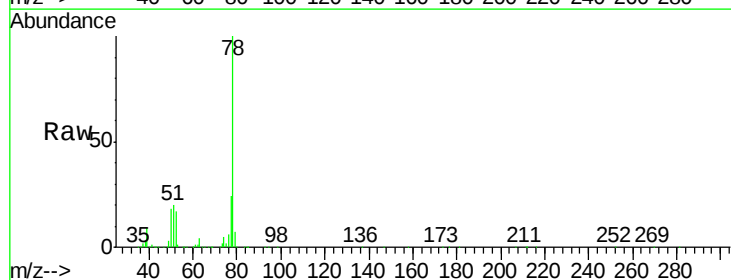
Manual Integrations
APPROVED

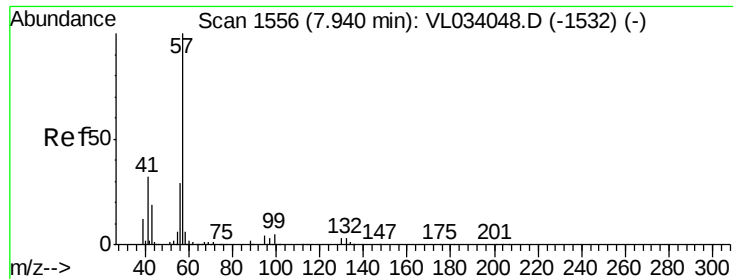
MMdadoda
8/2/2019 9:37:47 AM



#36
Benzene
Concen: 4.935 ppbv
RT: 6.96 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VL034064.D
Acq: 30 Jul 2019 14:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	17.9	26.9
50	17.9	14.9	22.3





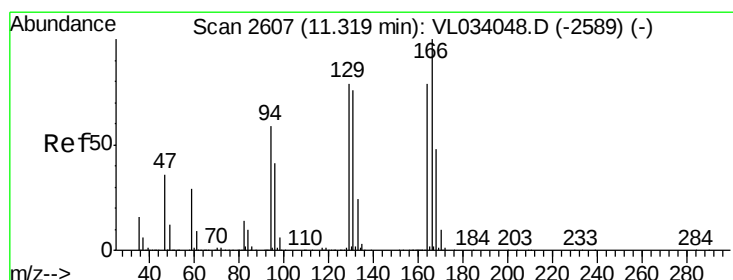
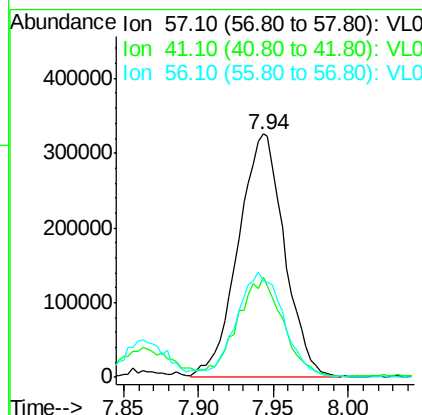
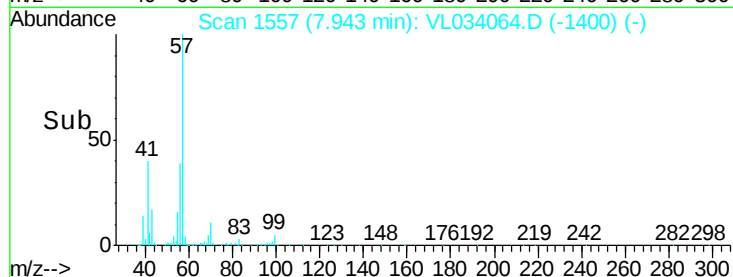
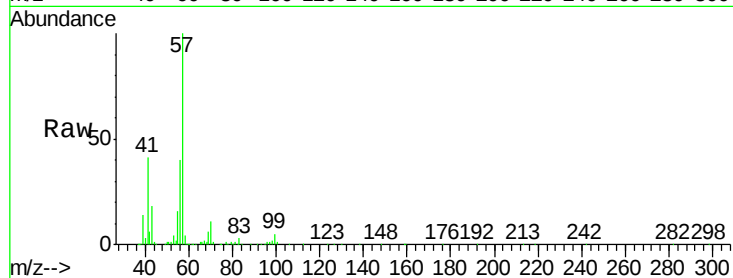
#44
 2,2,4-Trimethylpentane
 Concen: 1.455 ppbv
 RT: 7.94 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: VL034064.D
 Acq: 30 Jul 2019 14:10

Instrument :
 MSVOA_L
 ClientSampleId :
 SSG2

Tot Ion	Ratio	Lower	Upper
57	100		
41	40.6	26.2	39.2#
56	44.9	24.2	36.2#

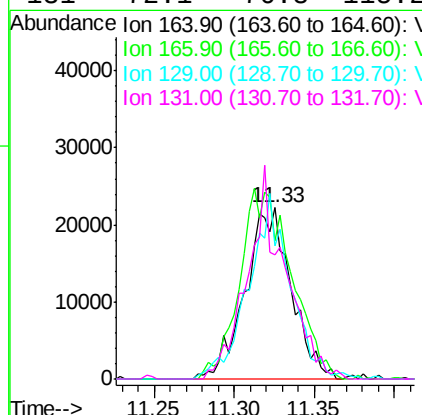
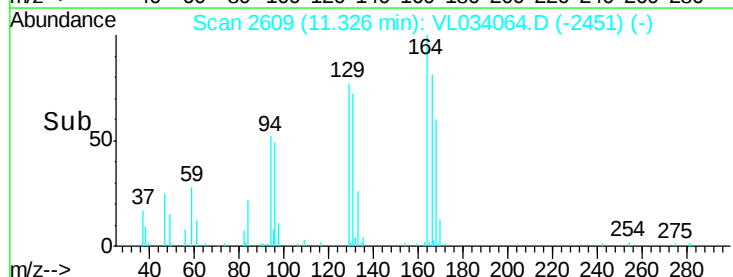
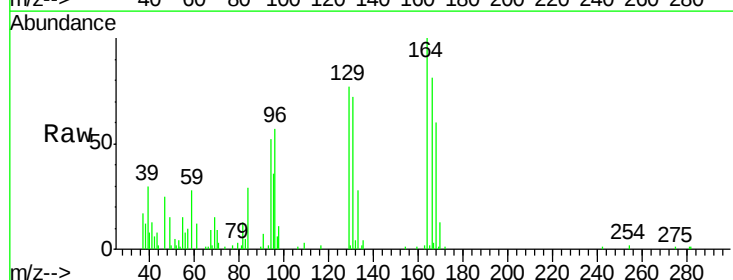
Manual Integrations
 APPROVED

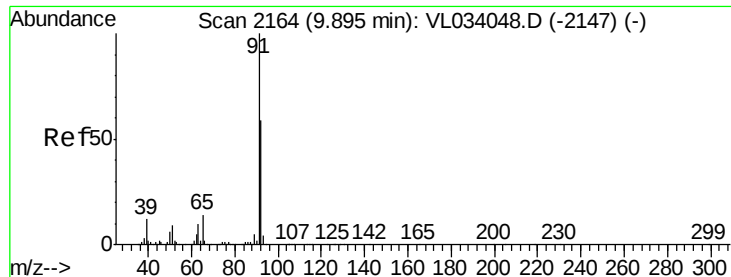
MMdadoda
 8/2/2019 9:37:47 AM



#52
 Tetrachloroethene
 Concen: 0.393 ppbv m
 RT: 11.33 min Scan# 2609
 Delta R.T. 0.01 min
 Lab File: VL034064.D
 Acq: 30 Jul 2019 14:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	81.0	101.6	152.4#
129	77.5	80.7	121.1#
131	72.1	76.8	115.2#





#53

Toluene

Concen: 57.990 ppbv

RT: 9.90 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VL034064.D

Acq: 30 Jul 2019 14:10

Instrument :

MSVOA_L

ClientSampleId :

SSG2

Tot Ion: 91 Resp: 17417959

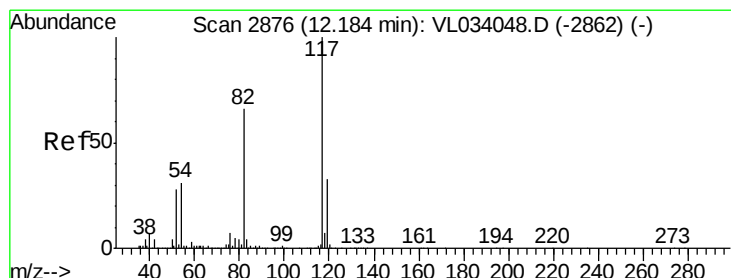
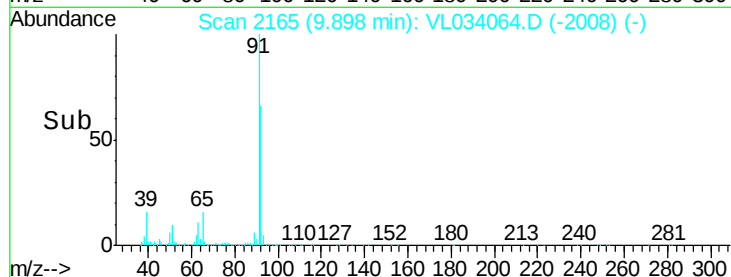
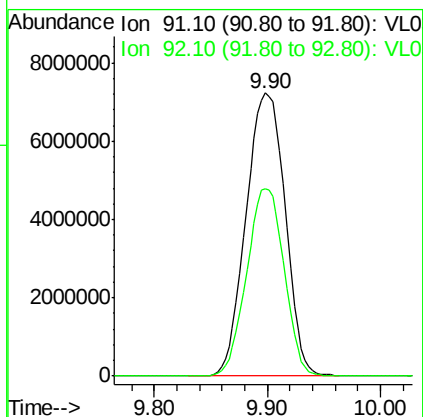
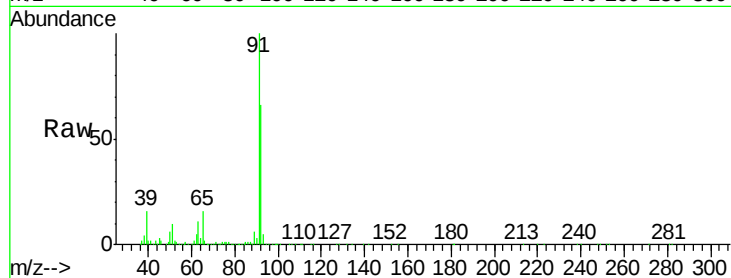
Ion Ratio Lower Upper

91 100

92 63.5 47.4 71.2

Manual Integrations
APPROVED

MMdadoda
8/2/2019 9:37:47 AM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.19 min Scan# 2877

Delta R.T. 0.00 min

Lab File: VL034064.D

Acq: 30 Jul 2019 14:10

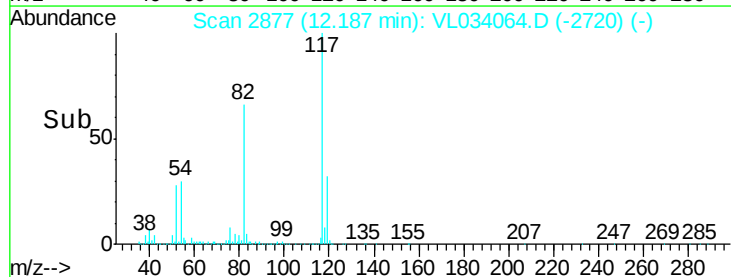
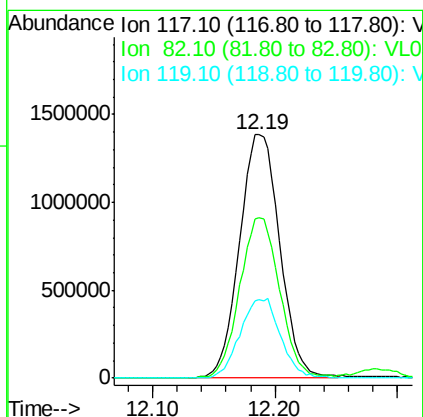
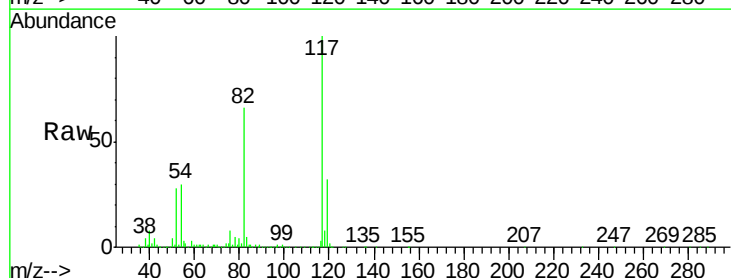
Tgt Ion: 117 Resp: 3163049

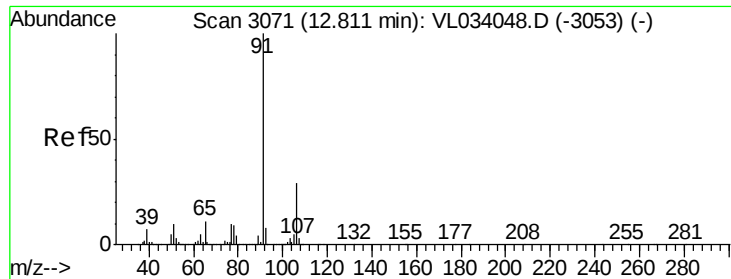
Ion Ratio Lower Upper

117 100

82 65.2 49.8 74.8

119 32.8 43.0 64.6#





#58

Ethyl Benzene

Concen: 13.166 ppbv

RT: 12.81 min Scan# 3072

Delta R.T. 0.00 min

Lab File: VL034064.D

Acq: 30 Jul 2019 14:10

Instrument :

MSVOA_L

ClientSampled :

SSG2

Tot Ion: 91 Resp: 4928467

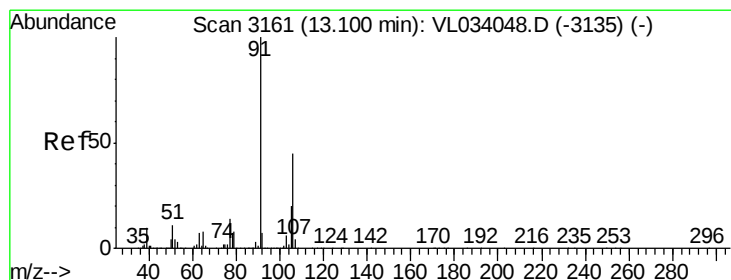
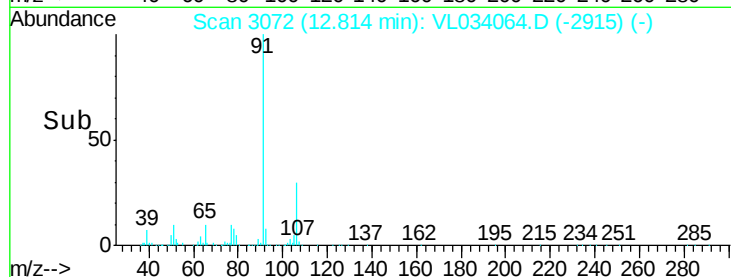
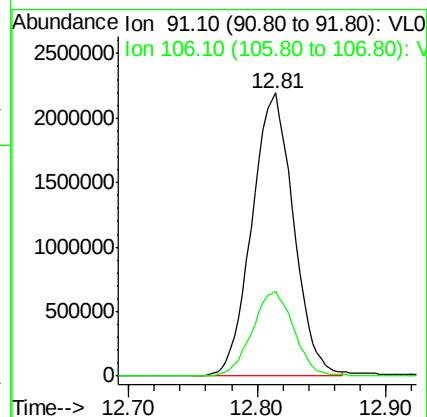
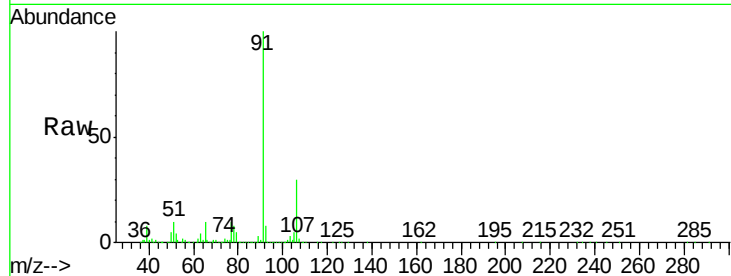
Ion Ratio Lower Upper

91 100

106 30.2 23.5 35.3

Manual Integrations
APPROVED

MMDadoda
8/2/2019 9:37:47 AM



#59

m/p-Xylene

Concen: 41.500 ppbv

RT: 13.07 min Scan# 3152

Delta R.T. -0.03 min

Lab File: VL034064.D

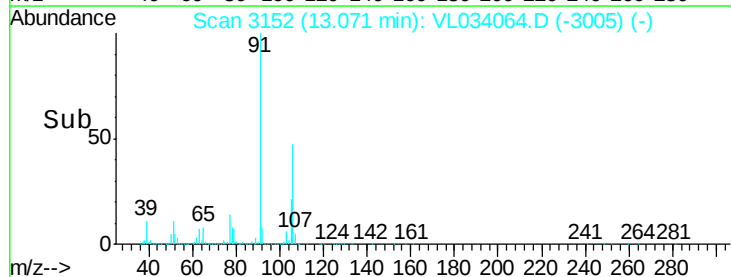
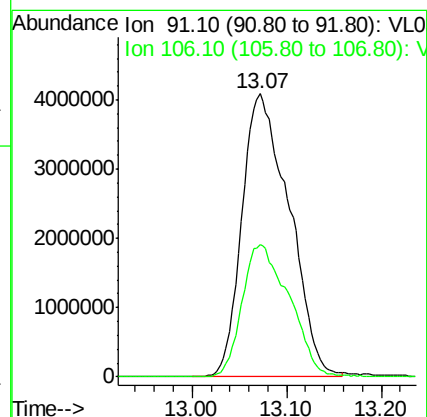
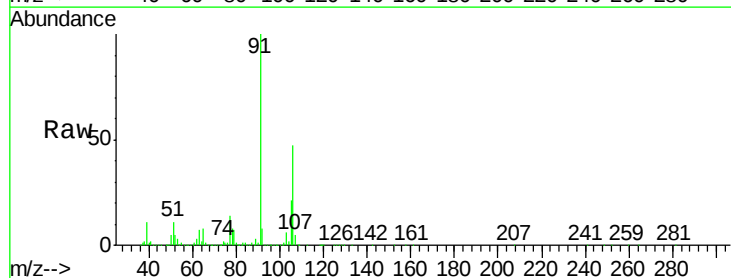
Acq: 30 Jul 2019 14:10

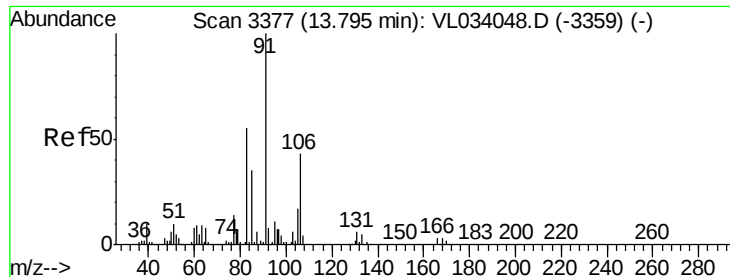
Tgt Ion: 91 Resp: 14121824

Ion Ratio Lower Upper

91 100

106 47.1 35.1 52.7





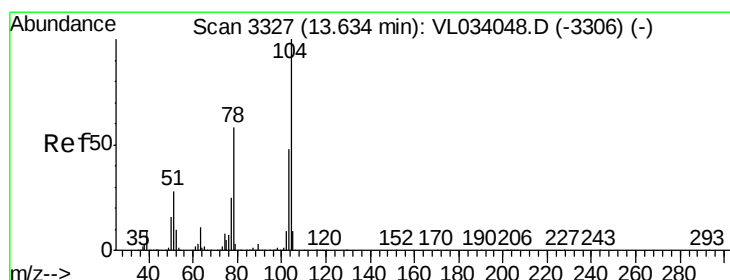
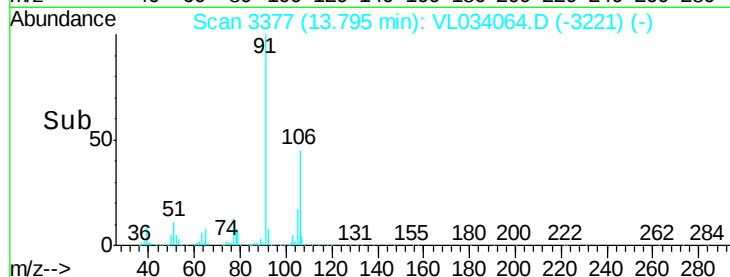
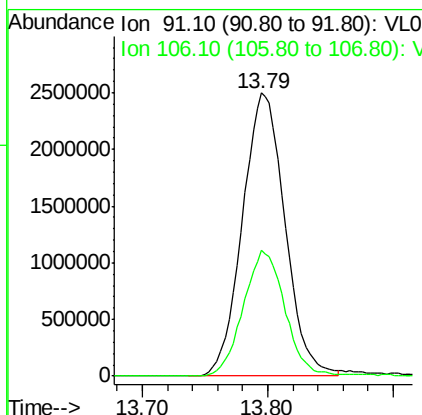
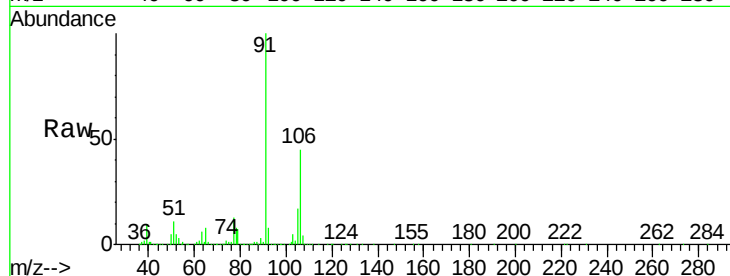
#60
o-Xylene
Concen: 17.382 ppbv
RT: 13.79 min Scan# 3377
Delta R.T. 0.00 min
Lab File: VL034064.D
Acq: 30 Jul 2019 14:10

Instrument :
MSVOA_L
ClientSampled :
SSG2

Tot Ion: 91 Resp: 5878997
Ion Ratio Lower Upper
91 100
106 44.3 21.2 63.6

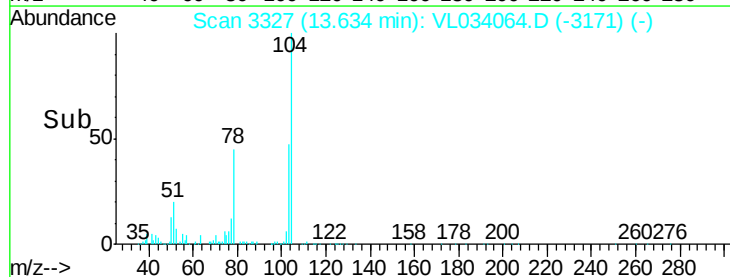
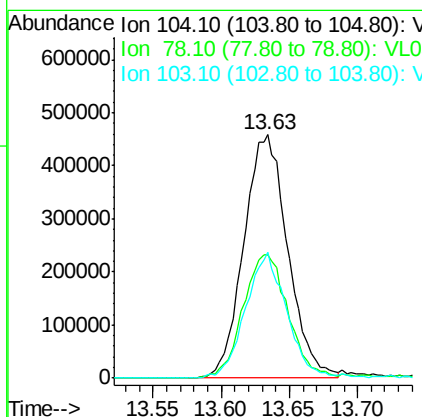
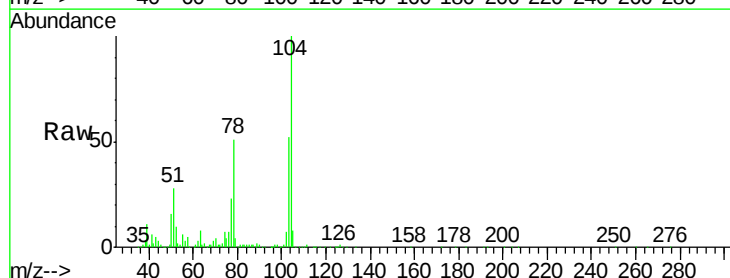
Manual Integrations
APPROVED

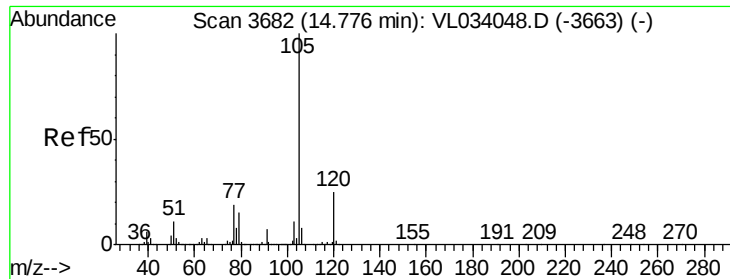
MMdadoda
8/2/2019 9:37:47 AM



#61
Styrene
Concen: 4.590 ppbv
RT: 13.63 min Scan# 3327
Delta R.T. 0.00 min
Lab File: VL034064.D
Acq: 30 Jul 2019 14:10

Tgt Ion: 104 Resp: 1025057
Ion Ratio Lower Upper
104 100
78 53.1 44.3 66.5
103 48.9 38.8 58.2





#62

Isopropylbenzene

Concen: 3.583 ppbv

RT: 14.78 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VL034064.D

Acq: 30 Jul 2019 14:10

Instrument :

MSVOA_L

ClientSampled :

SSG2

Tot Ion:105 Resp: 1623578

Ion Ratio Lower Upper

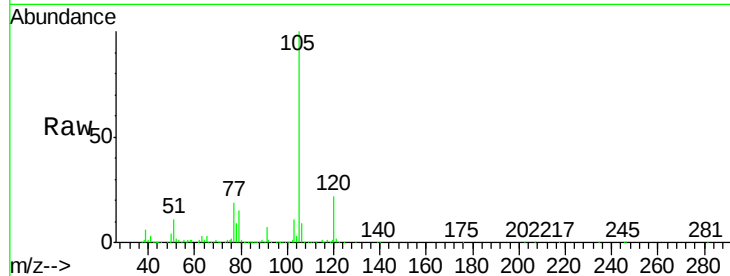
105 100

120 25.2 20.2 30.2

Manual Integrations
APPROVED

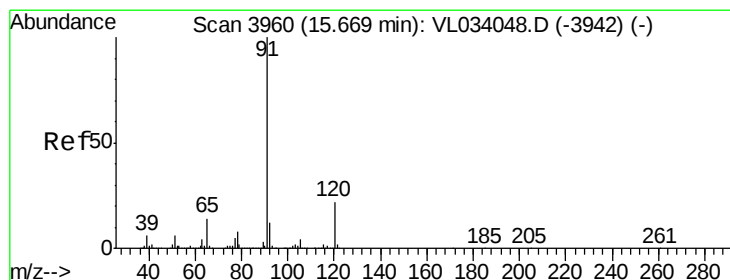
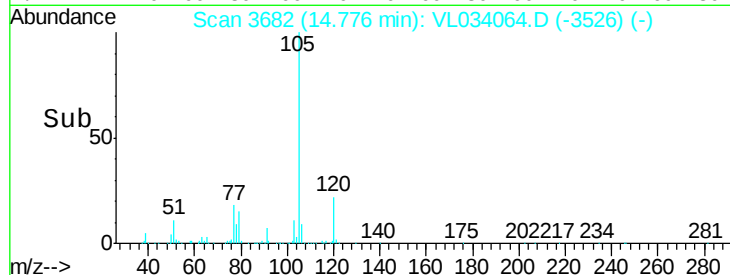
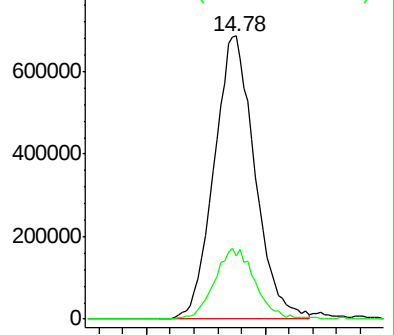
MMdadoda

8/2/2019 9:37:47 AM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#64

n-propylbenzene

Concen: 4.778 ppbv

RT: 15.67 min Scan# 3960

Delta R.T. 0.00 min

Lab File: VL034064.D

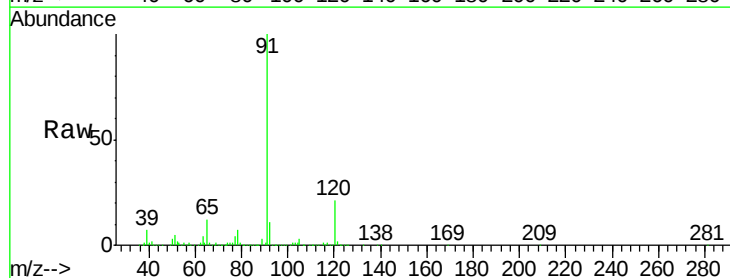
Acq: 30 Jul 2019 14:10

Tgt Ion:120 Resp: 560681

Ion Ratio Lower Upper

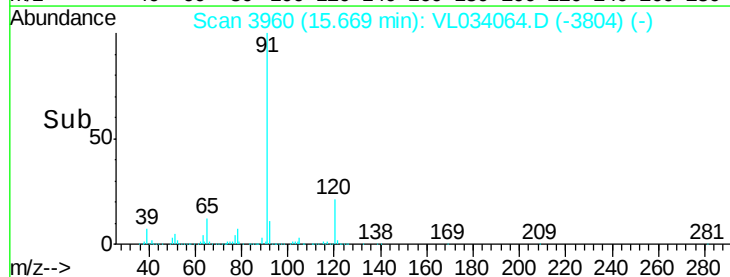
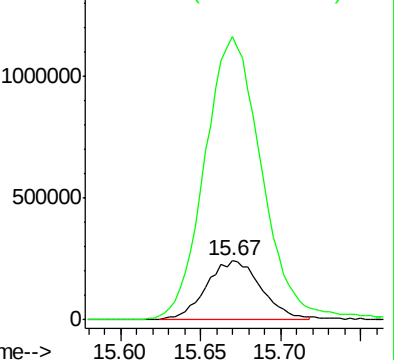
120 100

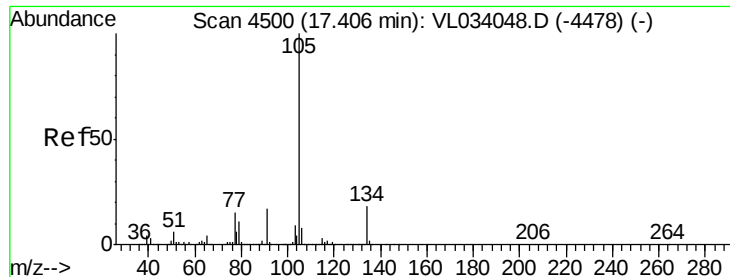
91 507.9 386.2 579.2



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#67

sec-Butylbenzene

Concen: 0.251 ppbv

RT: 17.41 min Scan# 4500

Delta R.T. 0.00 min

Lab File: VL034064.D

Acq: 30 Jul 2019 14:10

Instrument :

MSVOA_L

ClientSampled :

SSG2

Tot Ion: 105 Resp: 149196

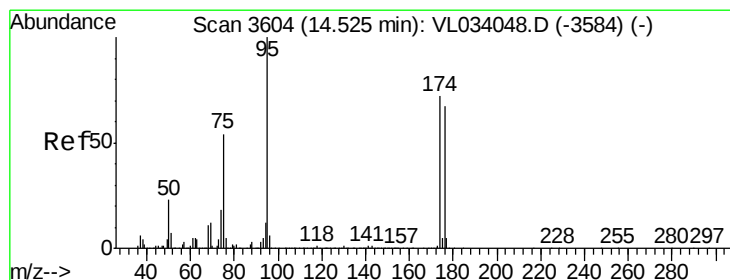
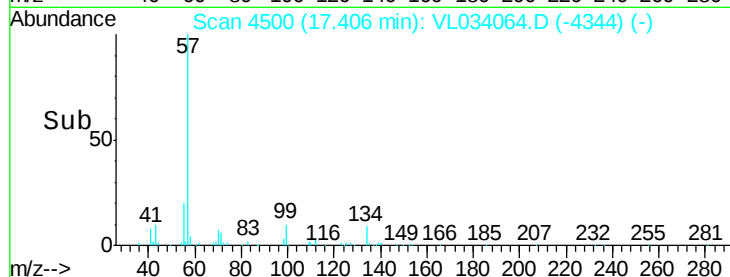
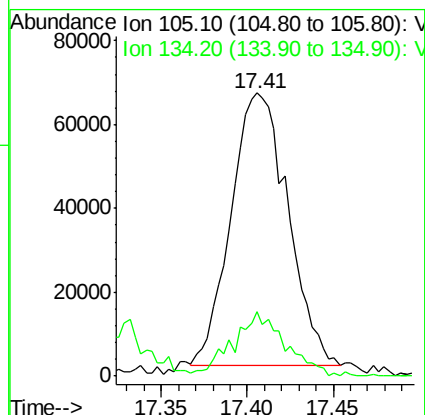
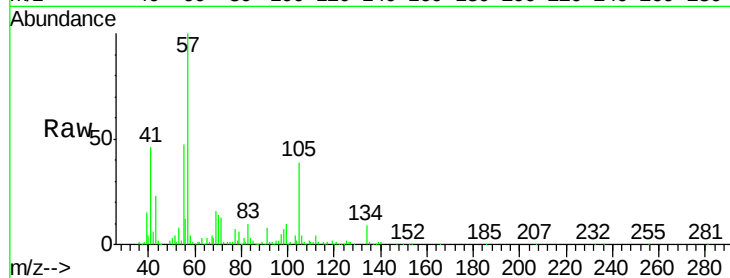
Ion Ratio Lower Upper

105 100

134 21.6 14.3 21.5#

Manual Integrations
APPROVED

MMdadoda
8/2/2019 9:37:47 AM



#68

1-Bromo-4-Fluorobenzene

Concen: 10.222 ppbv

RT: 14.52 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VL034064.D

Acq: 30 Jul 2019 14:10

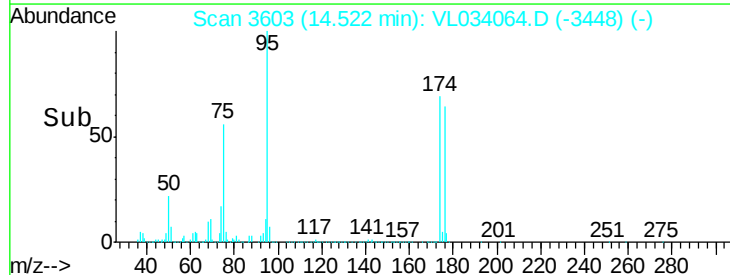
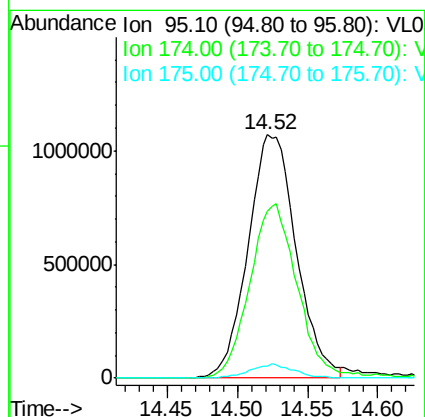
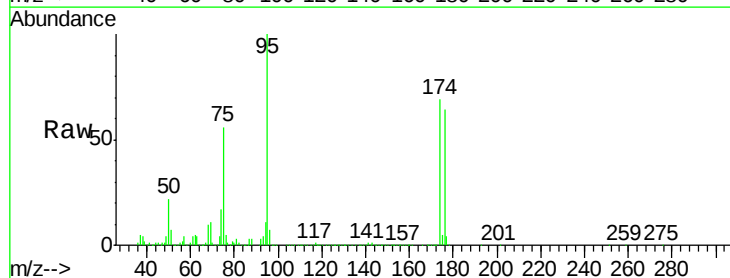
Tgt Ion: 95 Resp: 2555822

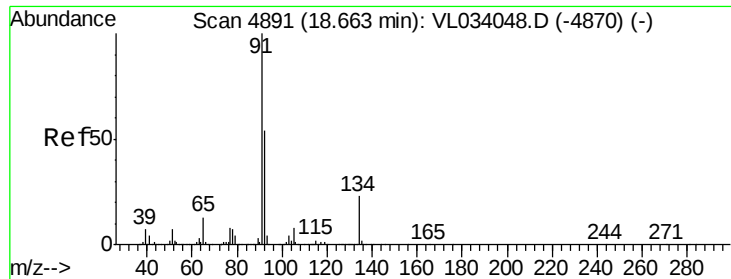
Ion Ratio Lower Upper

95 100

174 72.2 57.6 86.4

175 5.4 4.1 6.1





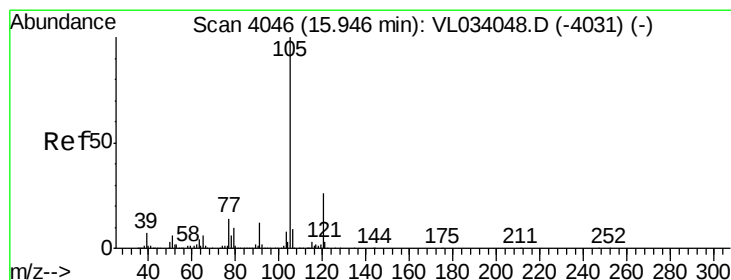
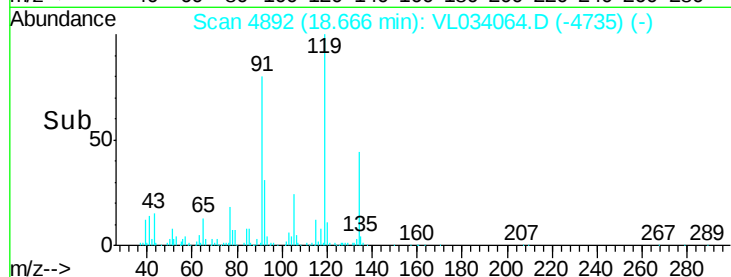
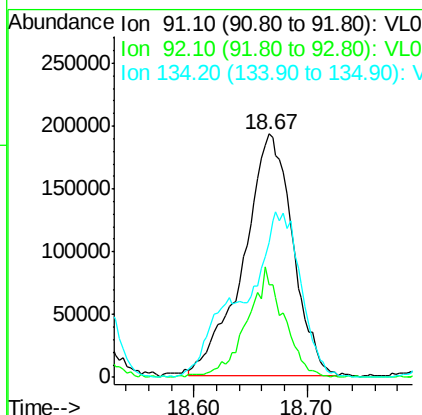
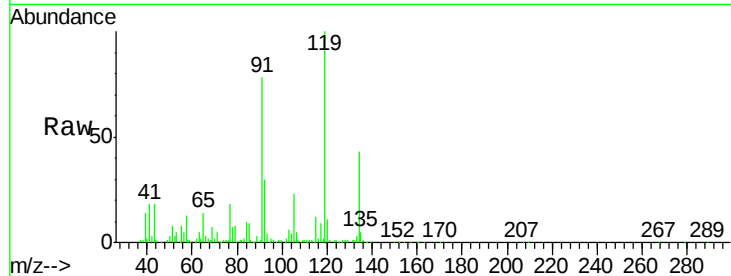
#70
n-Butylbenzene
Concen: 1.133 ppbv
RT: 18.67 min Scan# 4892
Delta R.T. 0.00 min
Lab File: VL034064.D
Acq: 30 Jul 2019 14:10

Instrument :
MSVOA_L
ClientSampled :
SSG2

Tot Ion	Ratio	Lower	Upper
91	100		
92	34.6	42.6	64.0#
134	81.3	17.7	26.5#

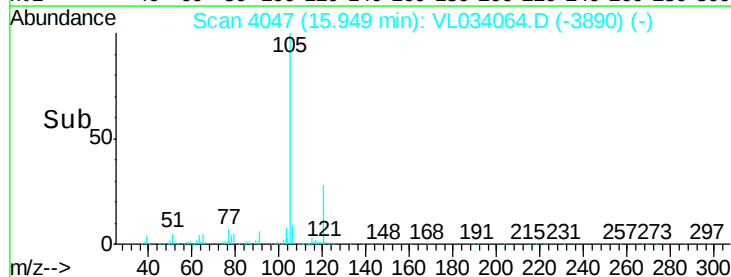
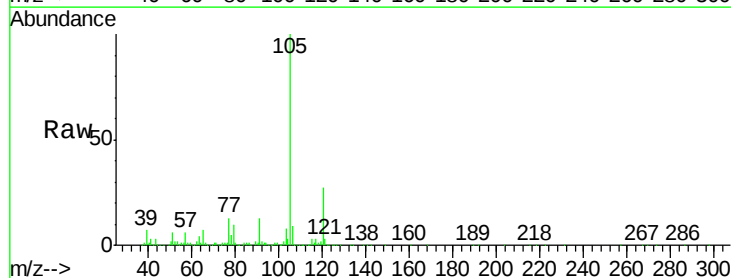
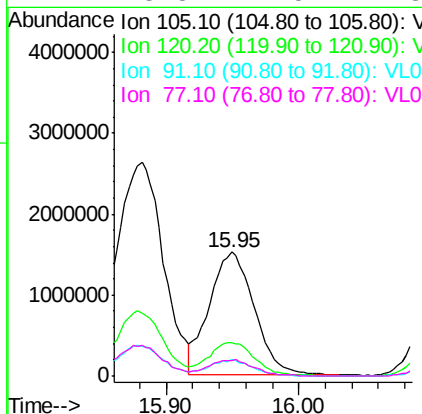
Manual Integrations
APPROVED

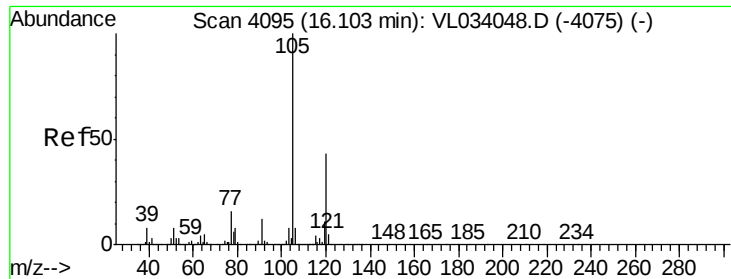
MMdadoda
8/2/2019 9:37:47 AM



#72
4-Ethyltoluene
Concen: 9.396 ppbv
RT: 15.95 min Scan# 4047
Delta R.T. 0.00 min
Lab File: VL034064.D
Acq: 30 Jul 2019 14:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	29.4	23.0	34.4
91	13.0	10.6	16.0
77	13.8	11.5	17.3





#73

1,3,5-Trimethylbenzene

Concen: 6.243 ppbv

RT: 16.11 min Scan# 4096

Delta R.T. 0.00 min

Lab File: VL034064.D

Acq: 30 Jul 2019 14:10

Instrument :

MSVOA_L

ClientSampled :

SSG2

Tot Ion:105 Resp: 2429923

Ion Ratio Lower Upper

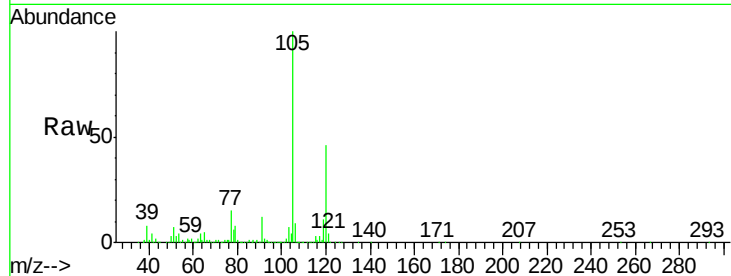
105 100

120 45.9 34.7 52.1

Manual Integrations
APPROVED

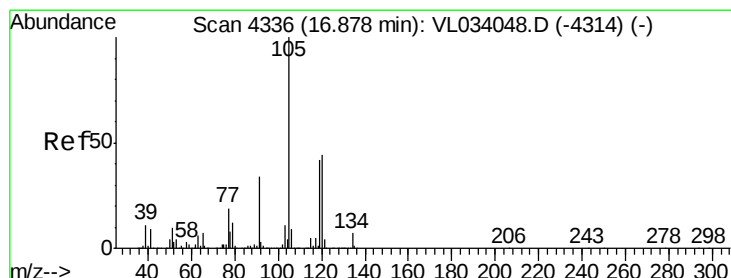
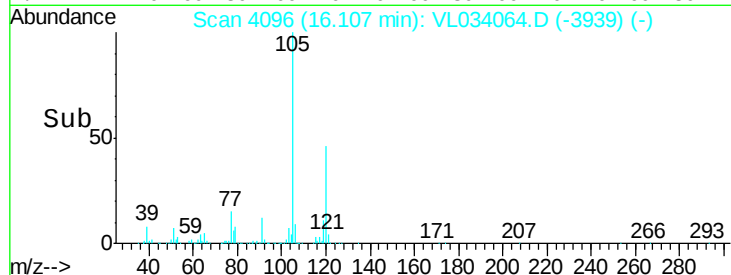
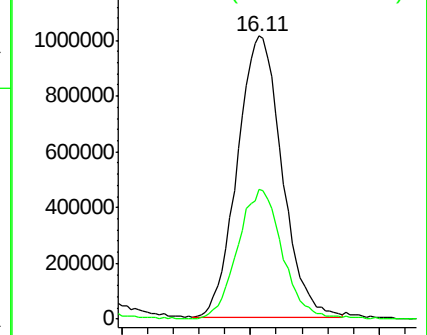
MMdadoda

8/2/2019 9:37:47 AM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 21.265 ppbv

RT: 16.88 min Scan# 4335

Delta R.T. -0.00 min

Lab File: VL034064.D

Acq: 30 Jul 2019 14:10

Tgt Ion:105 Resp: 9092366

Ion Ratio Lower Upper

105 100

120 43.1 35.6 53.4

91 11.7 28.0 42.0#

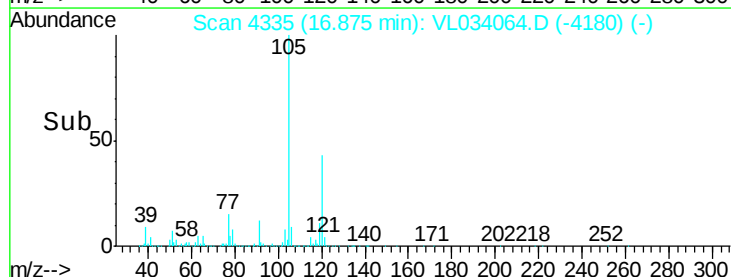
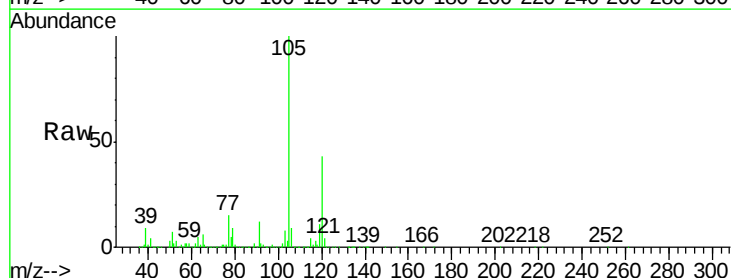
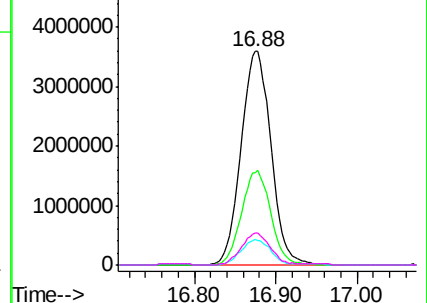
77 14.9 15.2 22.8#

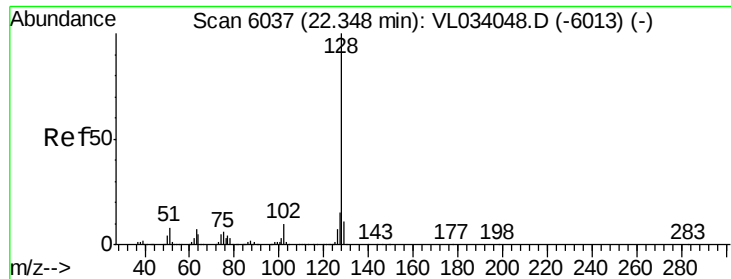
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#79

Naphthalene

Concen: 0.226 ppbv m

RT: 22.34 min Scan# 6035

Delta R.T. -0.01 min

Lab File: VL034064.D

Acq: 30 Jul 2019 14:10

Instrument :

MSVOA_L

ClientSampleId :

SSG2

Tot Ion:	128	Resp:	84349
Ion Ratio	Lower	Upper	
128	100		
127	9.8	11.8	17.6#
129	16.9	9.1	13.7#

Manual Integrations
APPROVED

MMDadoda
8/2/2019 9:37:47 AM

