

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL083118\
 Data File : VL032446.D
 Acq On : 31 Aug 2018 18:25
 Operator : SY/AP
 Sample : J4717-01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-08

Manual Integrations
 APPROVED

apatel
 9/4/2018 8:26:34 AM

Quant Time: Sep 02 22:44:06 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31

QLast Update : Fri Aug 31 21:33:46 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.81	49	1962937	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	3946453	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.30	117	3749653	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.63	95	2859017	10.27	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.70%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.11	85	366063	1.458	ppbv	98
3) Chlorodifluoromethane	3.04	51	76151m	0.429	ppbv	
4) Chloromethane	3.20	50	34129	0.317	ppbv	89
9) Propene	3.06	41	4003651	55.857	ppbv	98
10) Heptane	8.30	43	546110	2.124	ppbv	100
11) Trichlorofluoromethane	4.04	101	7268282	32.103	ppbv	97
13) Ethanol	3.69	45	2173212	97.268	ppbv	96
15) Acetone	3.94	43	15162844	85.779	ppbv #	80
16) 1,3-Butadiene	3.38	39	1794600m	21.575	ppbv	
17) tert-Butyl alcohol	4.40	59	1865621	68.582	ppbv #	100
19) Isopropyl Alcohol	4.07	45	424923	3.664	ppbv #	93
20) Methylene Chloride	4.45	84	507938	7.536	ppbv	97
26) Hexane	5.82	57	1359963	7.276	ppbv #	43
27) Carbon Disulfide	4.66	76	1083479	6.279	ppbv	100
29) Chloroform	5.90	83	83858	0.294	ppbv	91
30) Cyclohexane	7.30	84	77293	0.565	ppbv #	81
34) 2-Butanone	5.37	43	4843747	18.478	ppbv	99
35) Carbon Tetrachloride	7.19	117	8250m	0.031	ppbv	
36) Benzene	7.06	78	1313153	3.910	ppbv	99
41) Tetrahydrofuran	6.20	42	321226	2.251	ppbv	94
44) 2,2,4-Trimethylpentane	8.04	57	339978	0.524	ppbv #	70
50) 4-Methyl-2-Pentanone	8.92	43	789591	2.000	ppbv	96
51) 2-Hexanone	10.31	43	1395174	5.485	ppbv #	99
52) Tetrachloroethene	11.43	164	74880	0.719	ppbv #	82
53) Toluene	10.00	91	4834917	13.773	ppbv	98
58) Ethyl Benzene	12.92	91	1639029	3.653	ppbv	99
59) m/p-Xylene	13.18	91	4740497	11.850	ppbv	98
60) o-Xylene	13.90	91	1484631	3.778	ppbv	98
62) Isopropylbenzene	14.88	105	121788	0.220	ppbv	97
64) n-propylbenzene	15.78	120	151948	1.052	ppbv	76
65) tert-Butylbenzene	16.99	119	202644	0.426	ppbv #	73
72) 4-Ethyltoluene	16.06	105	911634	2.125	ppbv #	98
73) 1,3,5-Trimethylbenzene	16.21	105	467112	1.087	ppbv	91
74) 1,2,4-Trimethylbenzene	16.99	105	1849109	3.935	ppbv #	69
79) Naphthalene	22.50	128	201938	0.528	ppbv	97

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

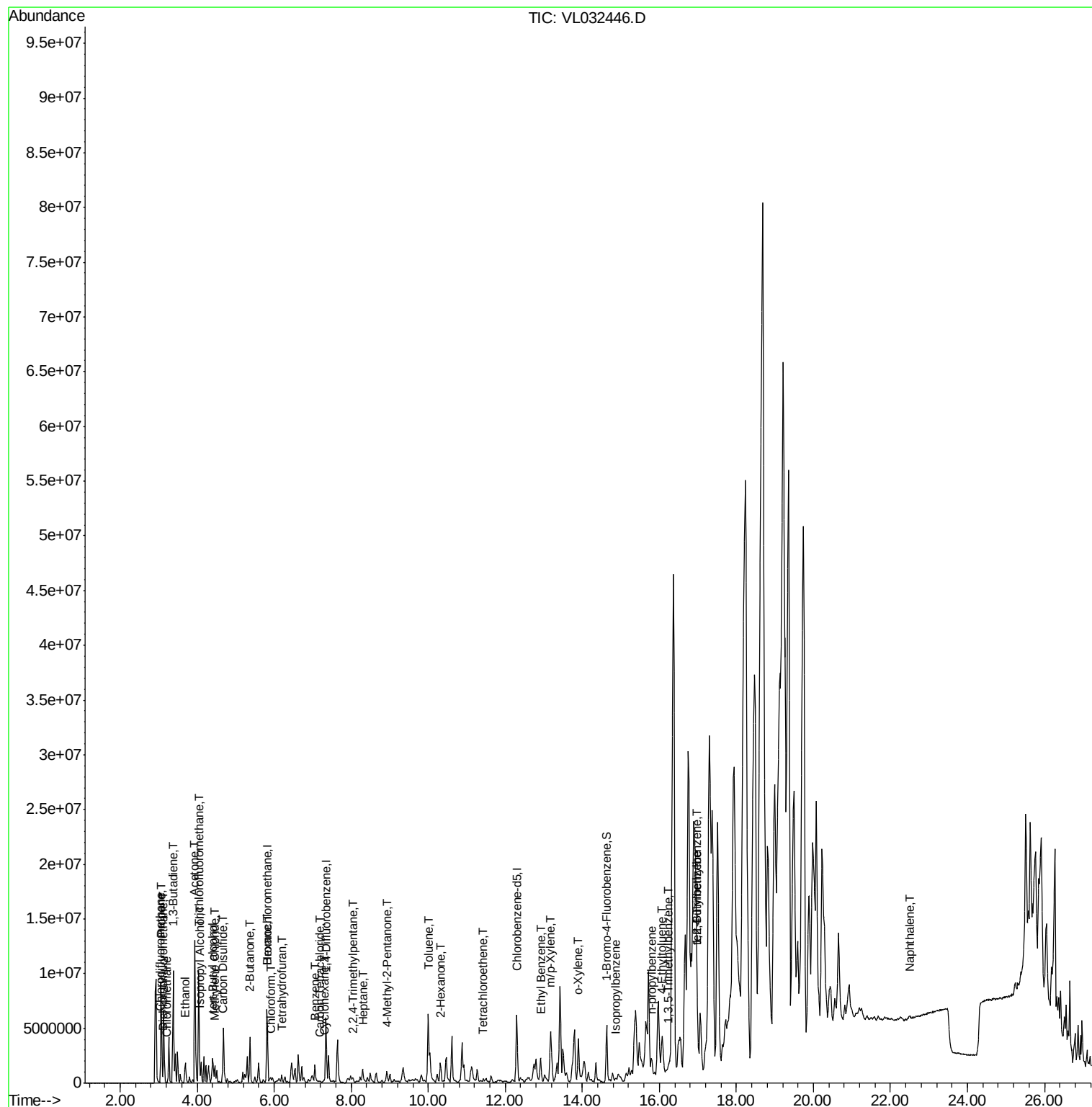
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL083118\
Data File : VL032446.D
Acq On : 31 Aug 2018 18:25
Operator : SY/AP
Sample : J4717-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

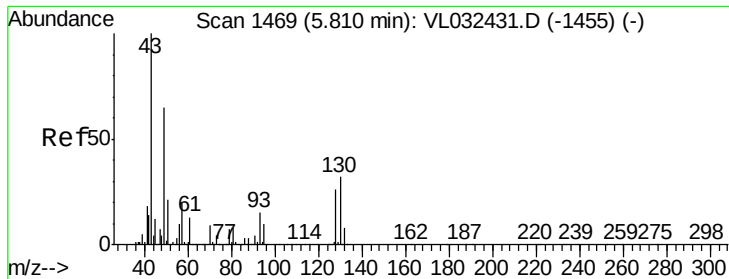
Instrument :
MSVOA_L
ClientSampleId :
VP-08

Manual Integrations
APPROVED

apatel
9/4/2018 8:26:34 AM

Quant Time: Sep 02 22:44:06 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Aug 31 21:33:46 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.81 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VL032446.D

Acq: 31 Aug 2018 18:25

Instrument :

MSVOA_L

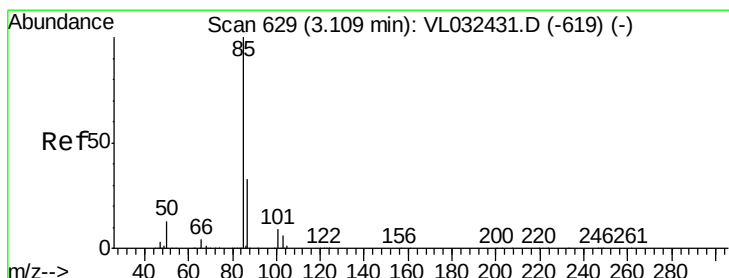
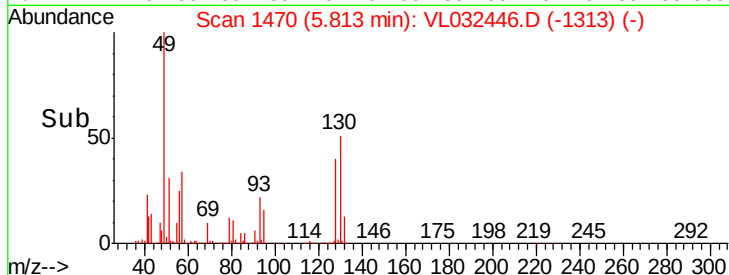
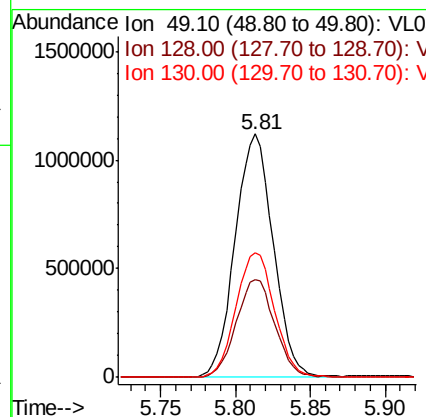
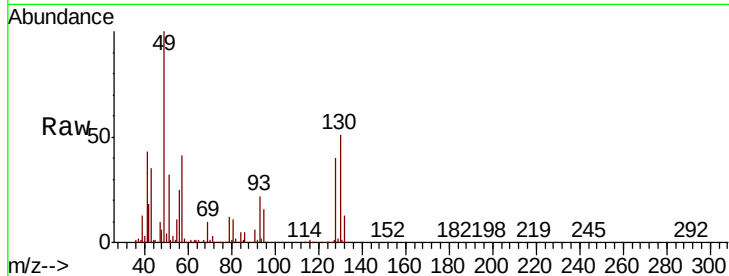
ClientSampled :

VP-08

Tgt Ion:	49	Resp:	1962937
Ion	Ratio	Lower	Upper
49	100		
128	41.7	20.7	62.1
130	52.6	26.6	79.7

Manual Integrations
APPROVED

apatel
9/4/2018 8:26:34 AM



#2

Dichlorodifluoromethane

Concen: 1.458 ppbv

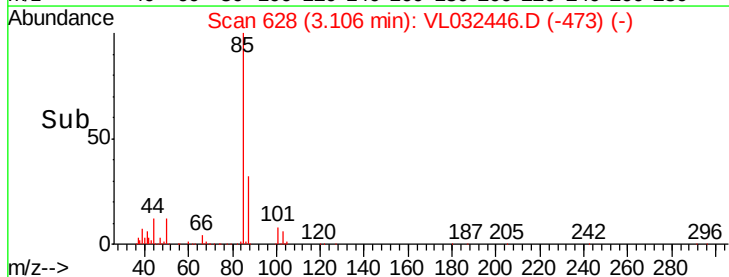
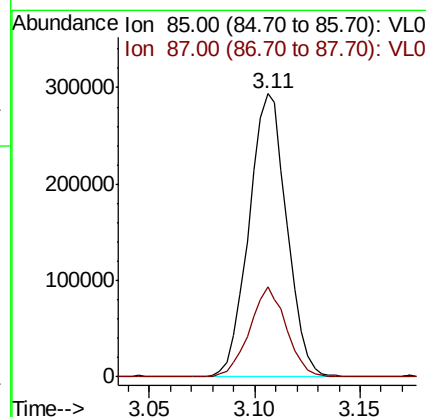
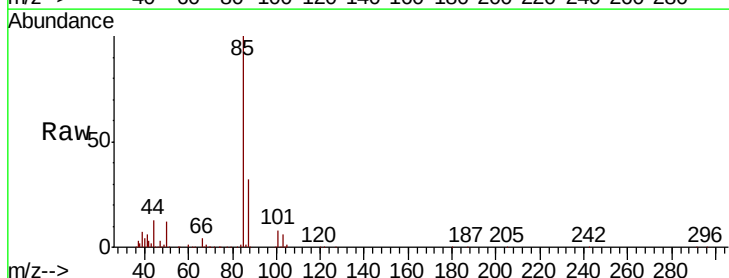
RT: 3.11 min Scan# 628

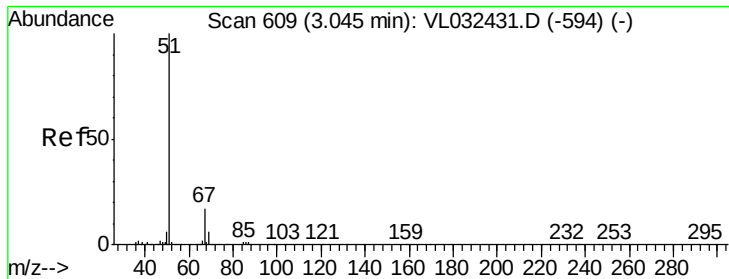
Delta R.T. -0.00 min

Lab File: VL032446.D

Acq: 31 Aug 2018 18:25

Tgt Ion:	85	Resp:	366063
Ion	Ratio	Lower	Upper
85	100		
87	31.7	26.2	39.4





#3

Chlorodifluoromethane

Concen: 0.429 ppbv m

RT: 3.04 min Scan# 608

Delta R.T. -0.00 min

Lab File: VL032446.D

Acq: 31 Aug 2018 18:25

Instrument :

MSVOA_L

ClientSampleId :

VP-08

Tgt Ion: 51 Resp: 76151

Ion Ratio Lower Upper

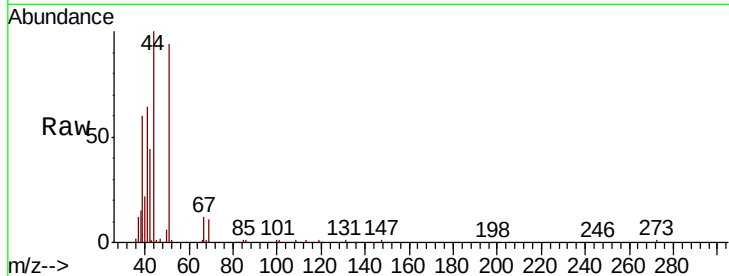
51 100

67 15.0 13.8 20.8

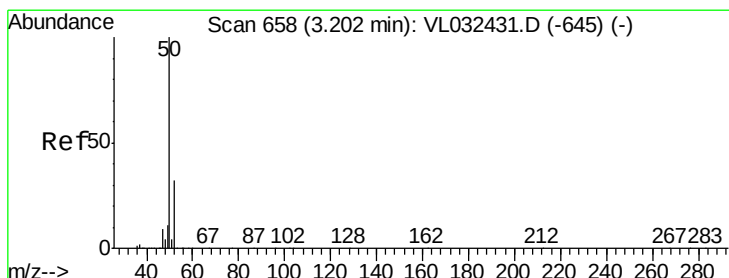
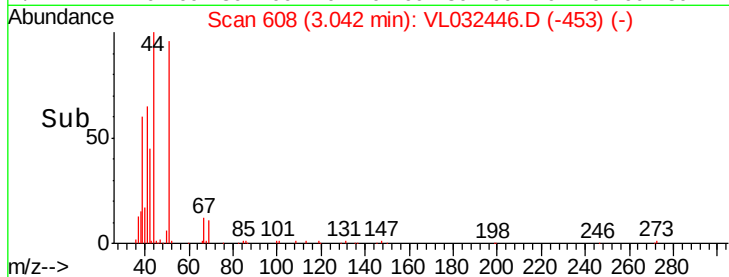
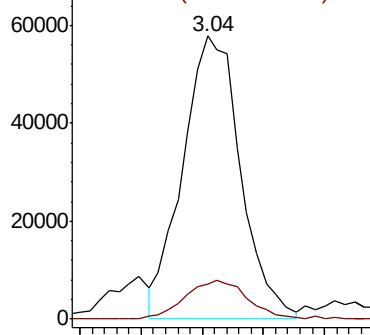
Manual Integrations
APPROVED

apatel

9/4/2018 8:26:34 AM



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.317 ppbv

RT: 3.20 min Scan# 658

Delta R.T. 0.00 min

Lab File: VL032446.D

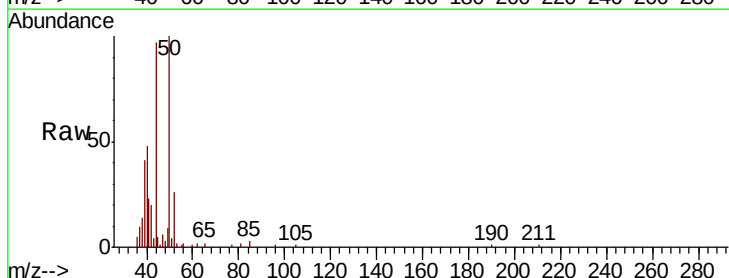
Acq: 31 Aug 2018 18:25

Tgt Ion: 50 Resp: 34129

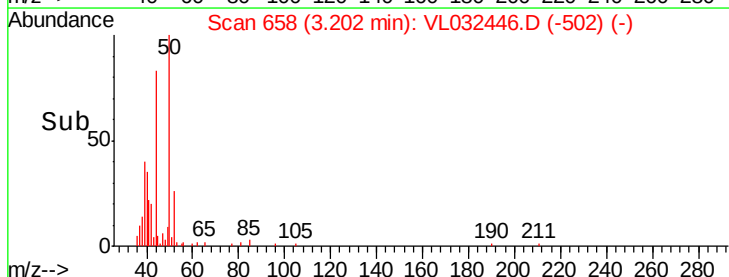
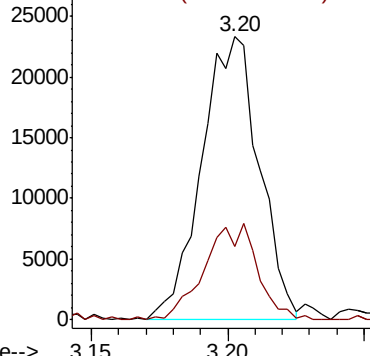
Ion Ratio Lower Upper

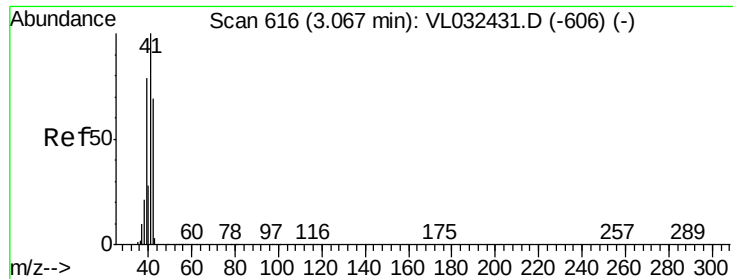
50 100

52 25.9 25.6 38.4



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





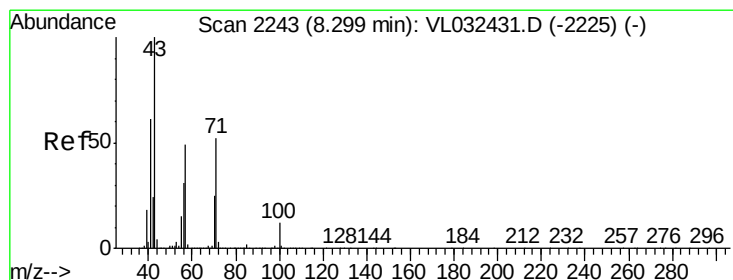
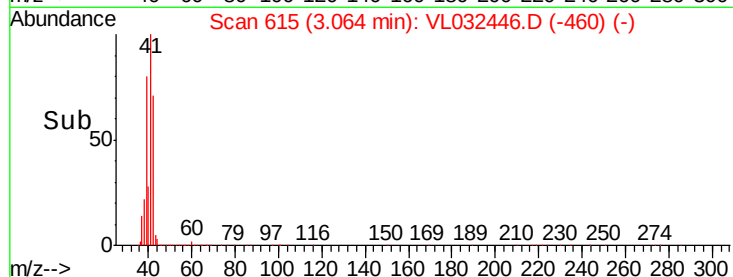
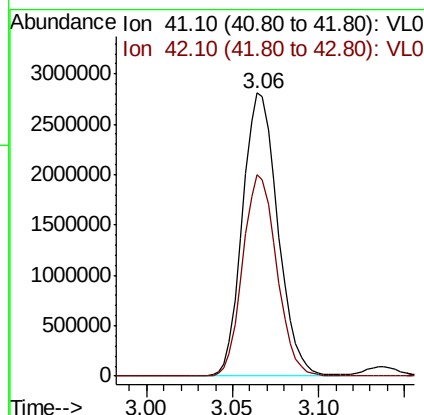
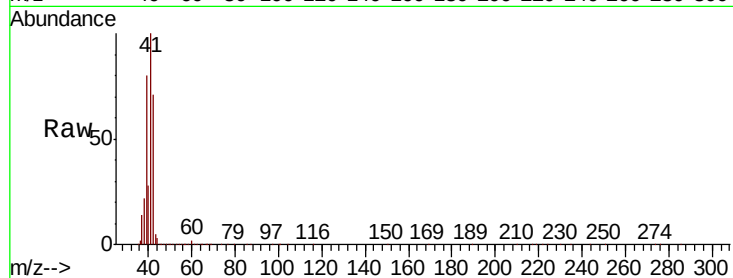
#9
 Propene
 Concen: 55.857 ppbv
 RT: 3.06 min Scan# 615
 Delta R.T. -0.00 min
 Lab File: VL032446.D
 Acq: 31 Aug 2018 18:25

Instrument :
 MSVOA_L
 ClientSampled :
 VP-08

Tgt Ion: 41 Resp: 4003651
 Ion Ratio Lower Upper
 41 100
 42 68.7 56.6 84.8

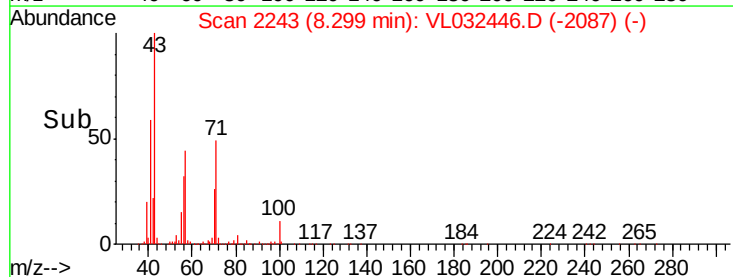
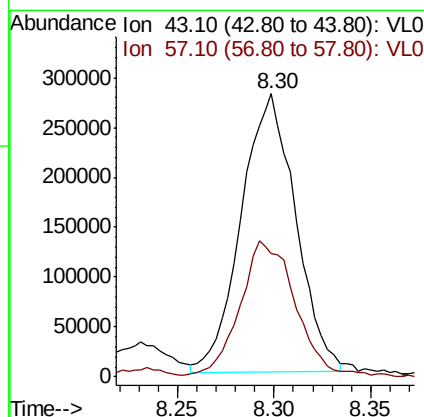
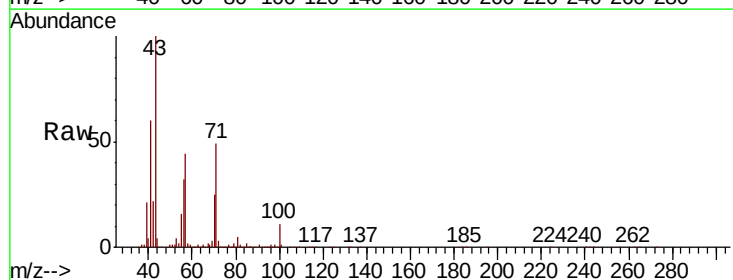
Manual Integrations
 APPROVED

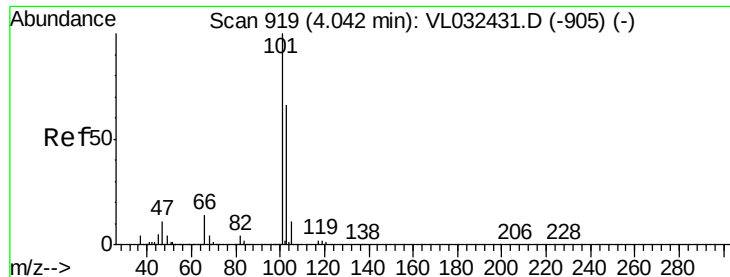
apatel
 9/4/2018 8:26:34 AM



#10
 Heptane
 Concen: 2.124 ppbv
 RT: 8.30 min Scan# 2243
 Delta R.T. 0.00 min
 Lab File: VL032446.D
 Acq: 31 Aug 2018 18:25

Tgt Ion: 43 Resp: 546110
 Ion Ratio Lower Upper
 43 100
 57 49.4 39.6 59.4





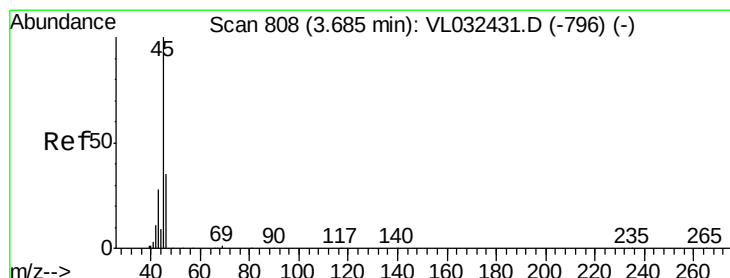
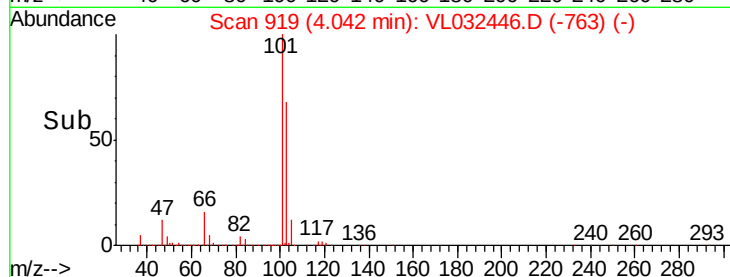
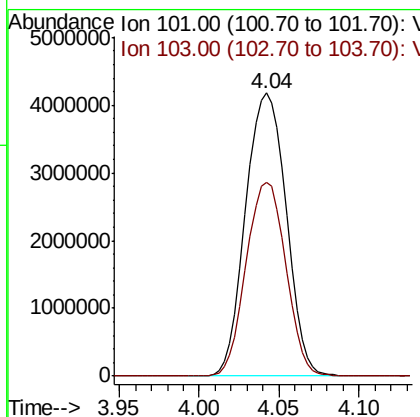
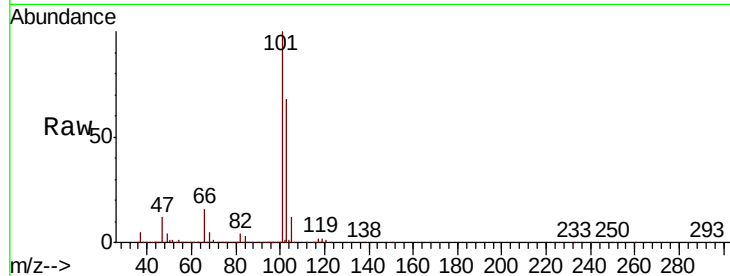
#11
 Trichlorofluoromethane
 Concen: 32.103 ppbv
 RT: 4.04 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VL032446.D
 Acq: 31 Aug 2018 18:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-08

Tgt Ion: 101 Resp: 7268282
 Ion Ratio Lower Upper
 101 100
 103 68.3 52.8 79.2

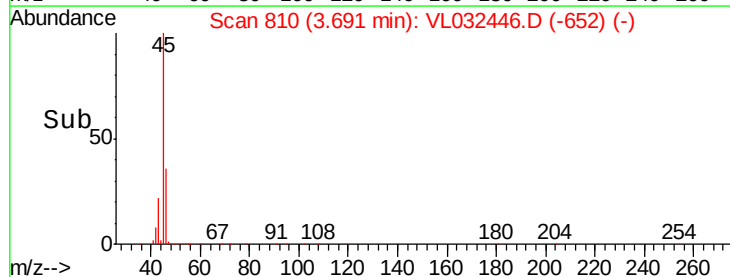
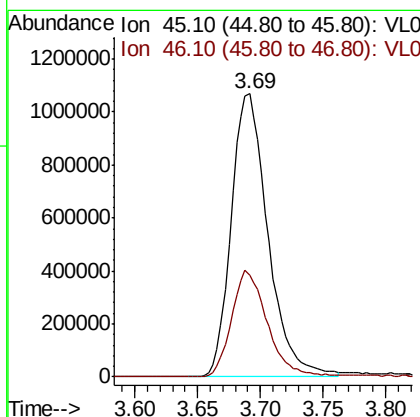
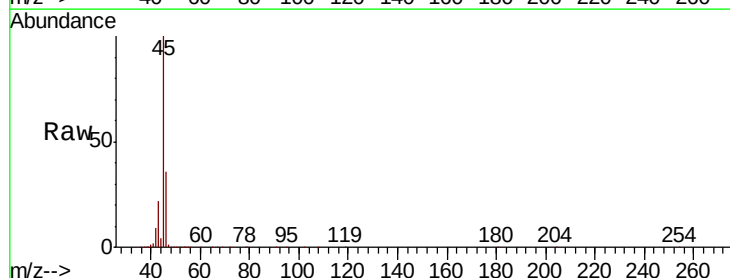
Manual Integrations
 APPROVED

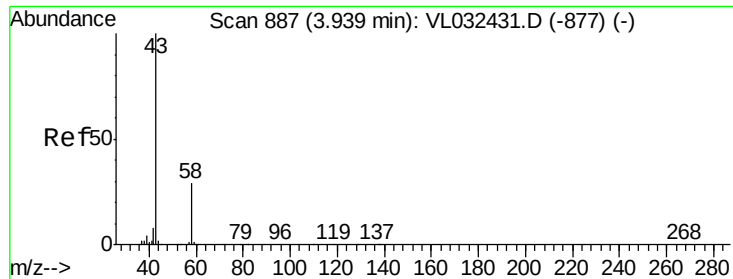
apatel
 9/4/2018 8:26:34 AM



#13
 Ethanol
 Concen: 97.268 ppbv
 RT: 3.69 min Scan# 810
 Delta R.T. 0.01 min
 Lab File: VL032446.D
 Acq: 31 Aug 2018 18:25

Tgt Ion: 45 Resp: 2173212
 Ion Ratio Lower Upper
 45 100
 46 37.8 14.2 56.8





#15

Acetone

Concen: 85.779 ppbv

RT: 3.94 min Scan# 886

Delta R.T. -0.00 min

Lab File: VL032446.D

Acq: 31 Aug 2018 18:25

Instrument :

MSVOA_L

ClientSampled :

VP-08

Tgt Ion: 43 Resp:15162844

Ion Ratio Lower Upper

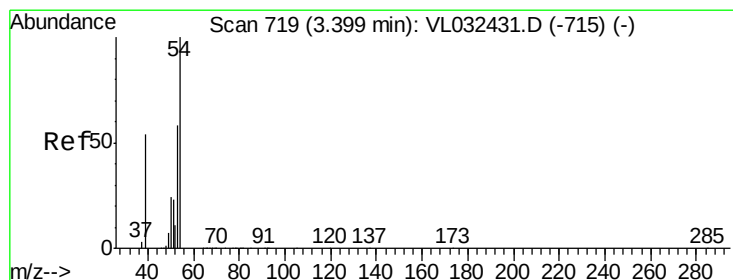
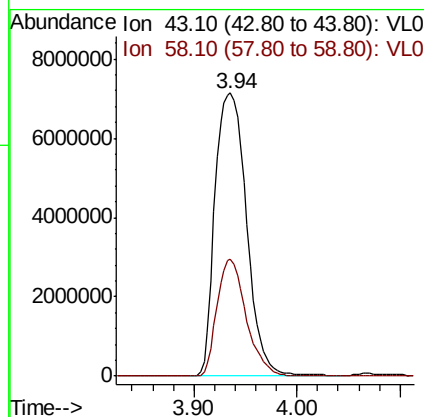
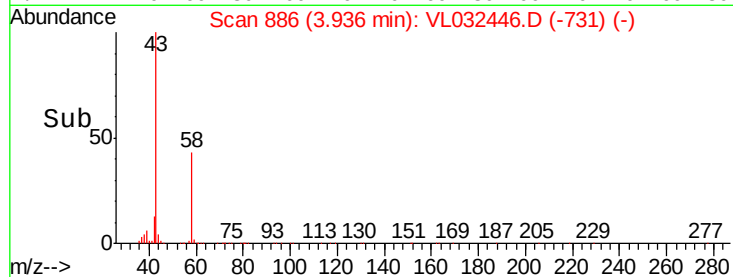
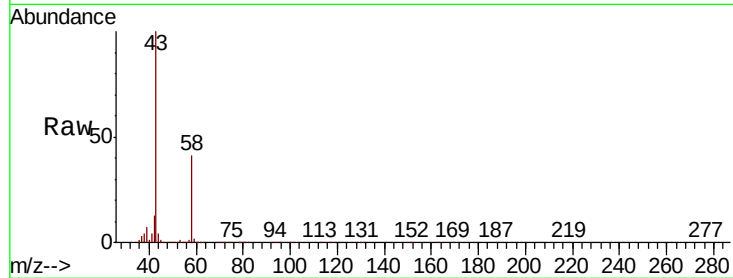
43 100

58 38.6 22.6 33.8#

Manual Integrations
APPROVED

apatel

9/4/2018 8:26:34 AM



#16

1,3-Butadiene

Concen: 21.575 ppbv m

RT: 3.38 min Scan# 712

Delta R.T. -0.02 min

Lab File: VL032446.D

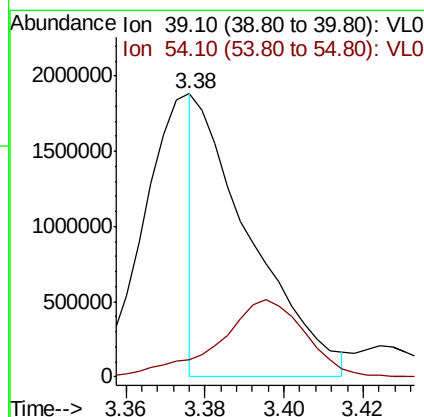
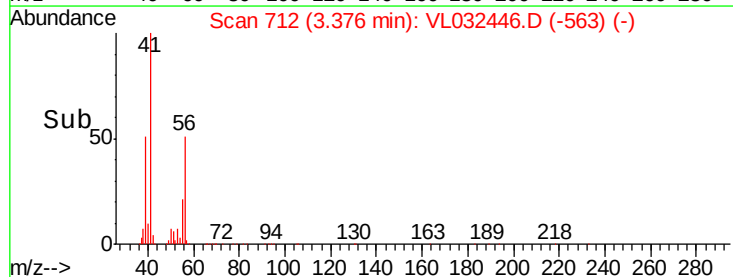
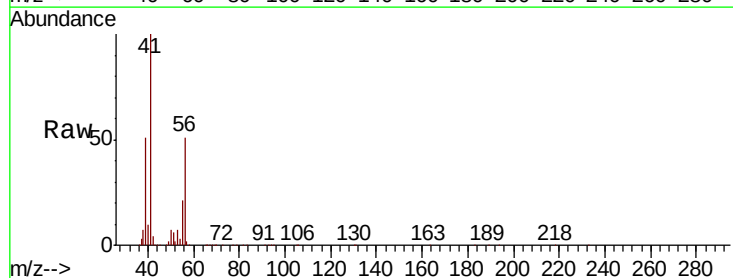
Acq: 31 Aug 2018 18:25

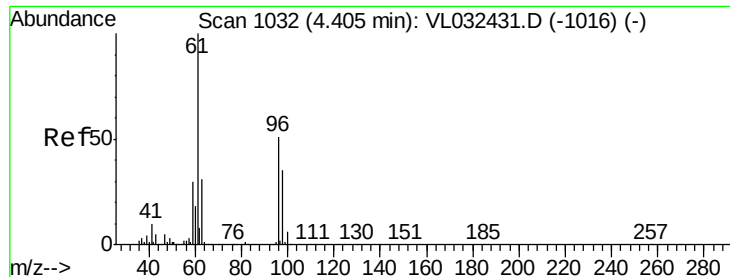
Tgt Ion: 39 Resp: 1794600

Ion Ratio Lower Upper

39 100

54 0.0 80.8 121.2#





#17

tert-Butyl alcohol

Concen: 68.582 ppbv

RT: 4.40 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VL032446.D

Acq: 31 Aug 2018 18:25

Instrument :

MSVOA_L

ClientSampled :

VP-08

Tgt Ion: 59 Resp: 1865621

Ion Ratio Lower Upper

59 100

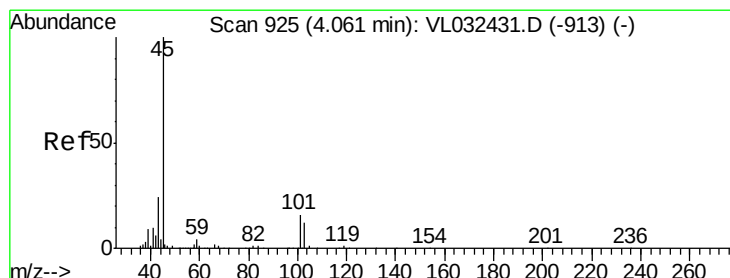
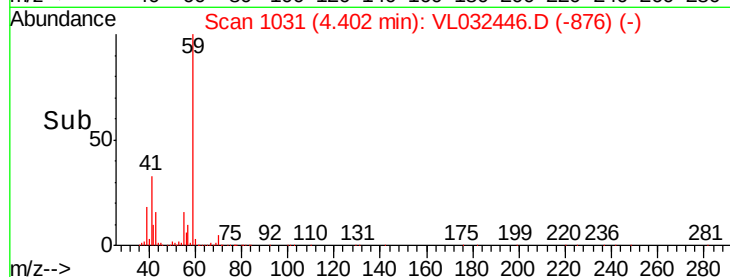
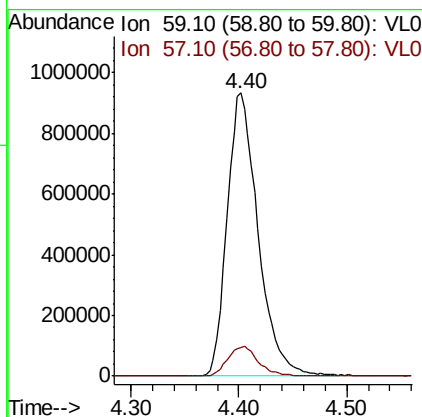
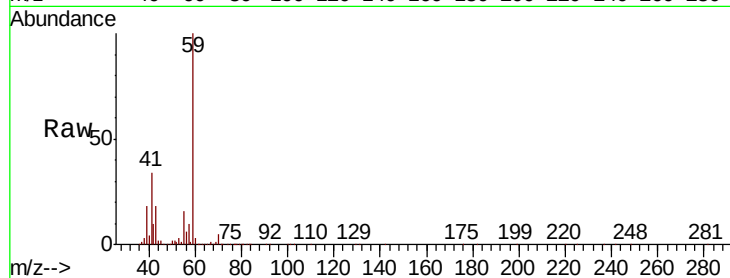
57 10.7 0.0 0.0#

Manual Integrations

APPROVED

apatel

9/4/2018 8:26:34 AM



#19

Isopropyl Alcohol

Concen: 3.664 ppbv

RT: 4.07 min Scan# 928

Delta R.T. 0.01 min

Lab File: VL032446.D

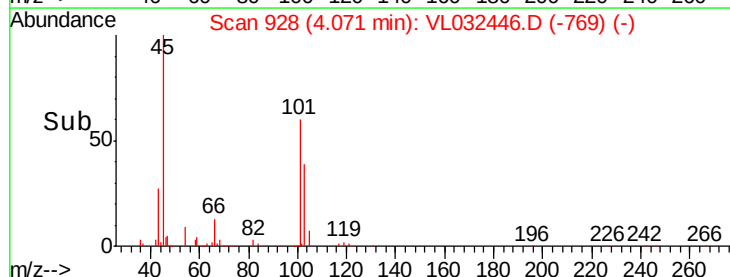
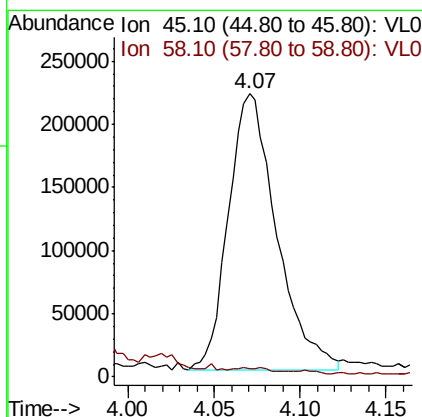
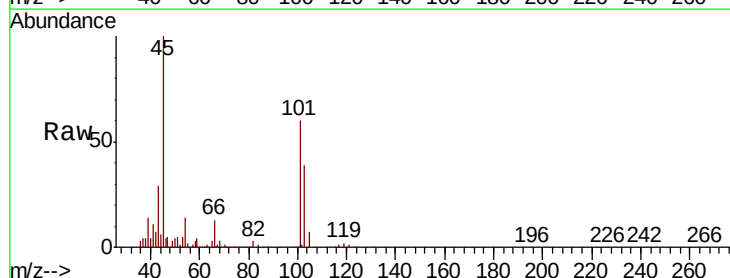
Acq: 31 Aug 2018 18:25

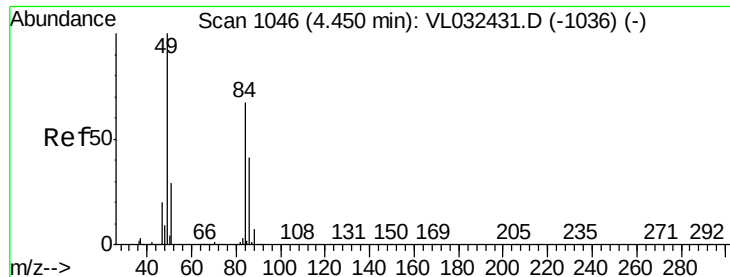
Tgt Ion: 45 Resp: 424923

Ion Ratio Lower Upper

45 100

58 0.0 2.0 3.0#





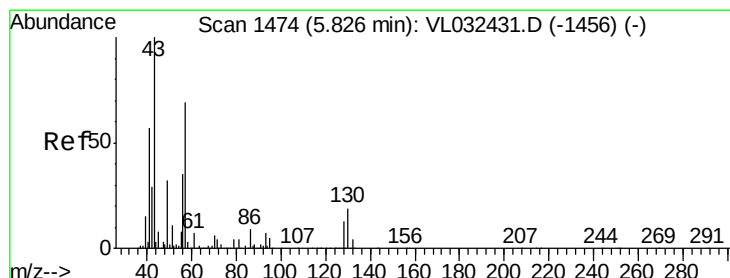
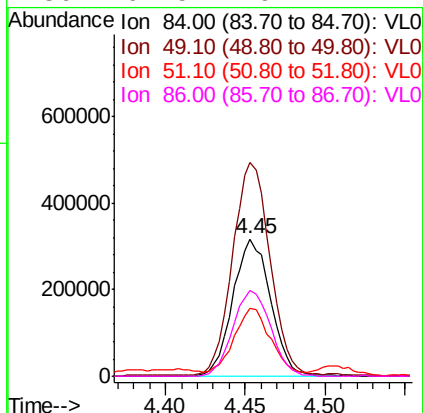
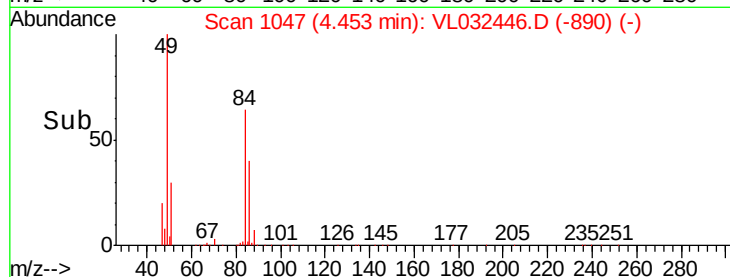
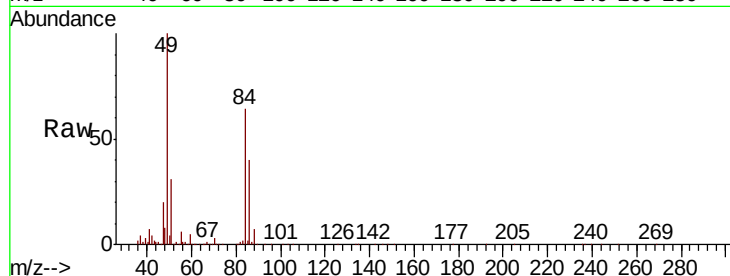
#20
Methylene Chloride
Concen: 7.536 ppbv
RT: 4.45 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VL032446.D
Acq: 31 Aug 2018 18:25

Instrument :
MSVOA_L
ClientSampled :
VP-08

Tgt Ion	Ratio	Lower	Upper
84	100		
49	154.7	119.1	178.7
51	44.5	35.2	52.8
86	62.5	49.4	74.2

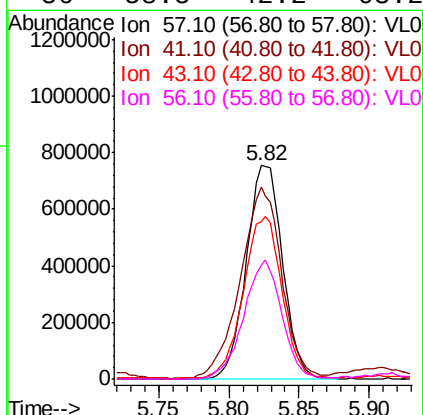
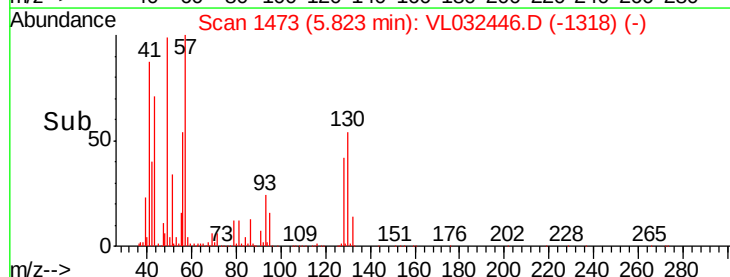
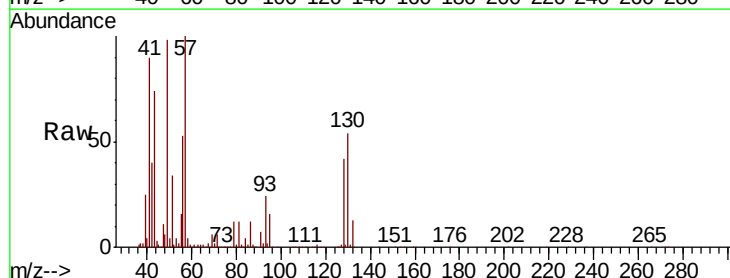
Manual Integrations
APPROVED

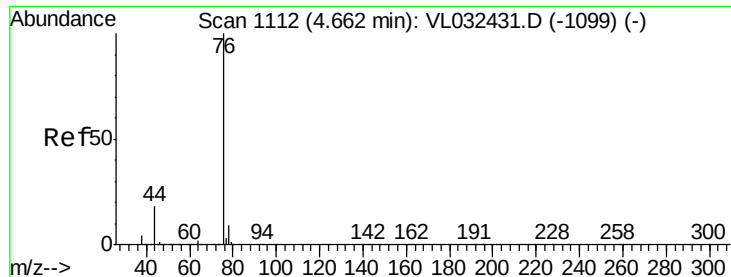
apatel
9/4/2018 8:26:34 AM



#26
Hexane
Concen: 7.276 ppbv
RT: 5.82 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VL032446.D
Acq: 31 Aug 2018 18:25

Tgt Ion	Ratio	Lower	Upper
57	100		
41	102.0	69.0	103.4
43	80.4	172.1	258.1#
56	58.5	42.2	63.2





#27

Carbon Disulfide

Concen: 6.279 ppbv

RT: 4.66 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VL032446.D

Acq: 31 Aug 2018 18:25

Instrument :

MSVOA_L

ClientSampleId :

VP-08

Tgt Ion: 76 Resp: 1083479

Ion Ratio Lower Upper

76 100

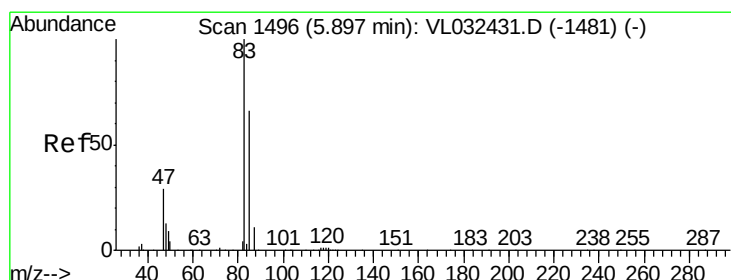
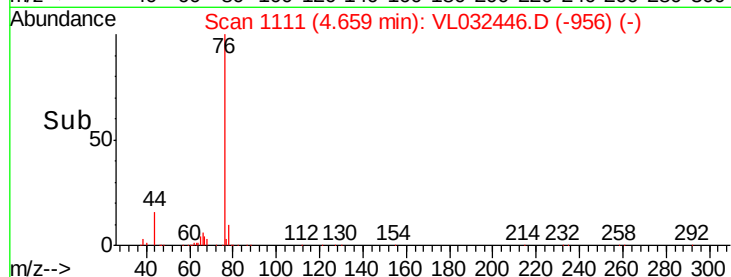
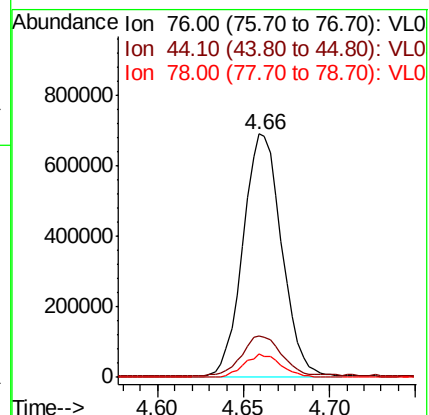
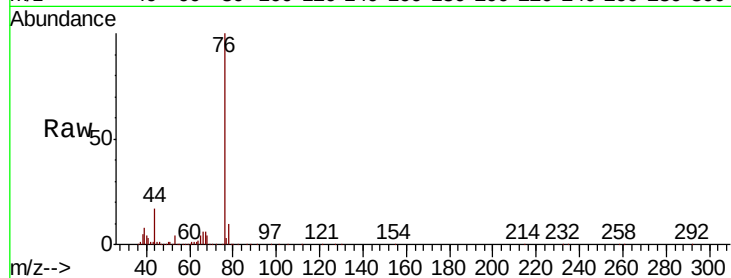
44 17.7 14.0 21.0

78 9.3 7.5 11.3

Manual Integrations
APPROVED

apatel

9/4/2018 8:26:34 AM



#29

Chloroform

Concen: 0.294 ppbv

RT: 5.90 min Scan# 1498

Delta R.T. 0.01 min

Lab File: VL032446.D

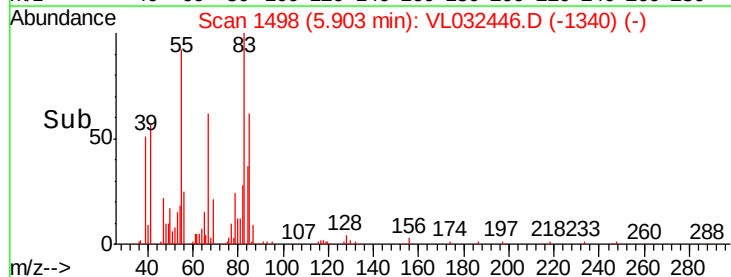
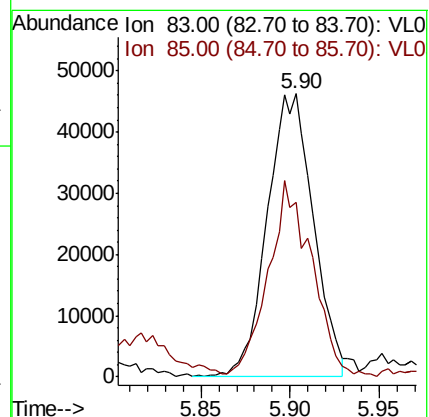
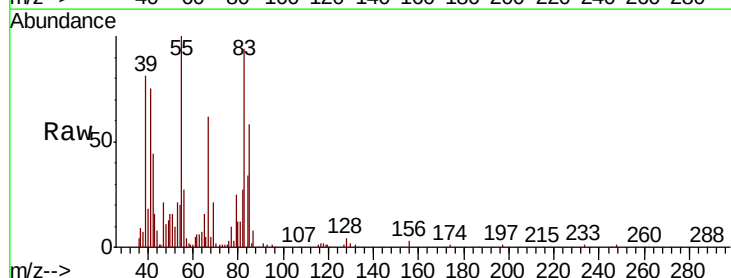
Acq: 31 Aug 2018 18:25

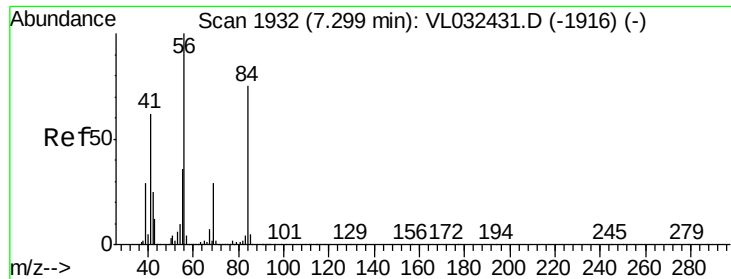
Tgt Ion: 83 Resp: 83858

Ion Ratio Lower Upper

83 100

85 58.6 52.5 78.7





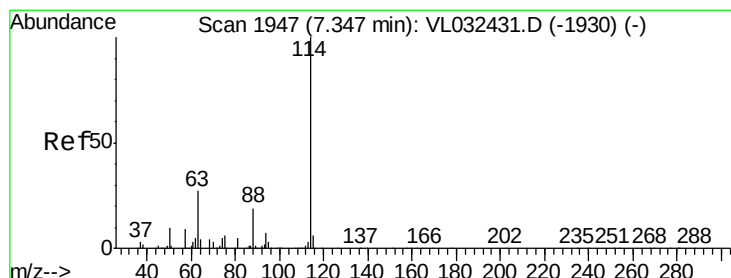
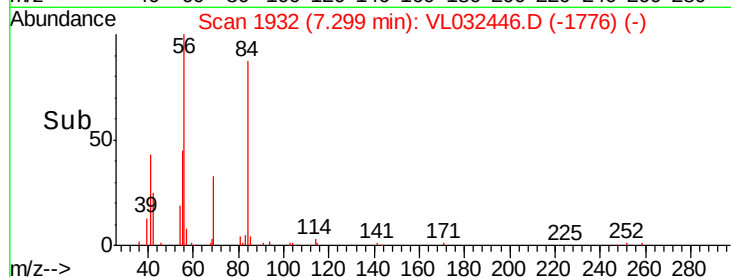
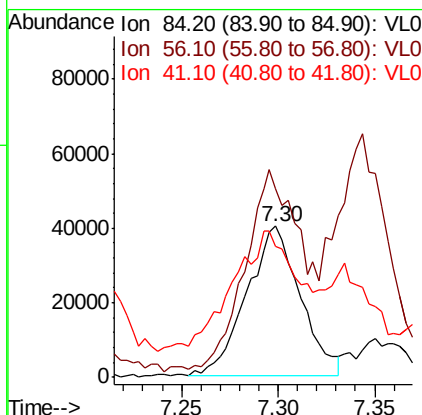
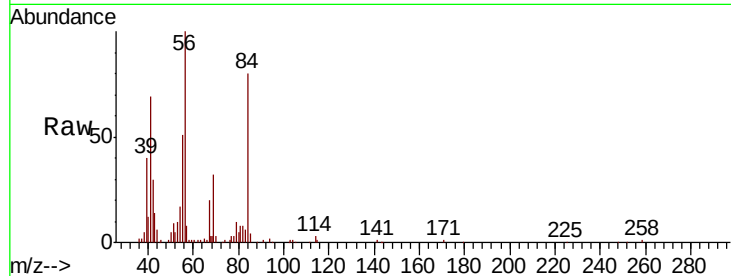
#30
Cyclohexane
Concen: 0.565 ppbv
RT: 7.30 min Scan# 1932
Delta R.T. 0.00 min
Lab File: VL032446.D
Acq: 31 Aug 2018 18:25

Instrument :
MSVOA_L
ClientSampled :
VP-08

Tgt Ion	Ratio	Lower	Upper
84	100		
56	130.3	113.5	170.3
41	117.7	68.1	102.1#

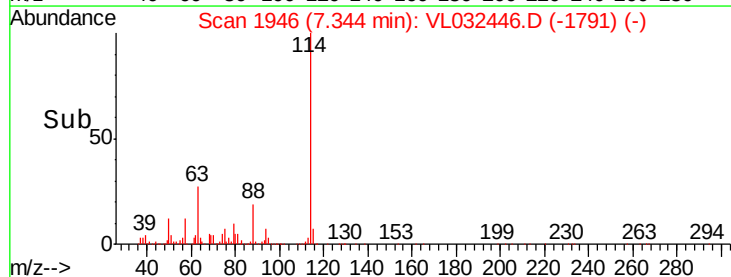
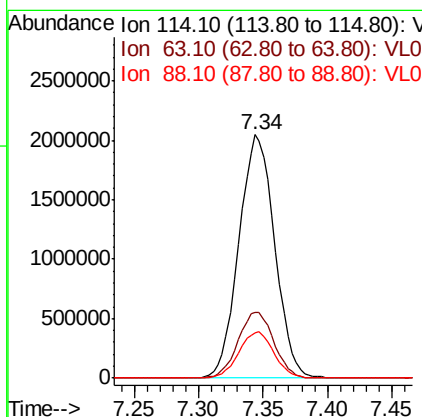
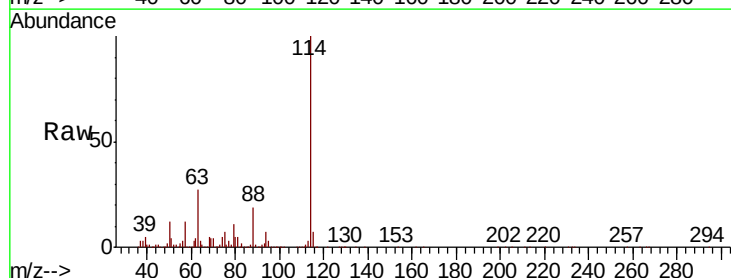
Manual Integrations
APPROVED

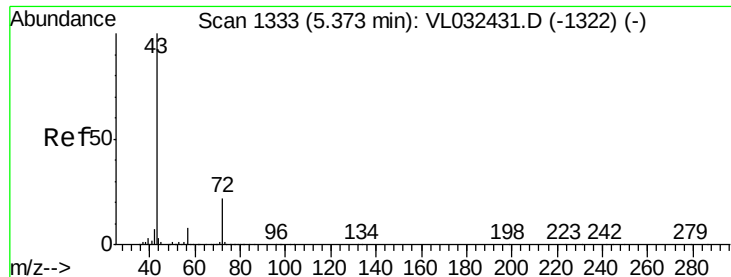
apatel
9/4/2018 8:26:34 AM



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.34 min Scan# 1946
Delta R.T. -0.00 min
Lab File: VL032446.D
Acq: 31 Aug 2018 18:25

Tgt Ion	Ratio	Lower	Upper
114	100		
63	27.3	22.2	33.4
88	18.7	15.0	22.4





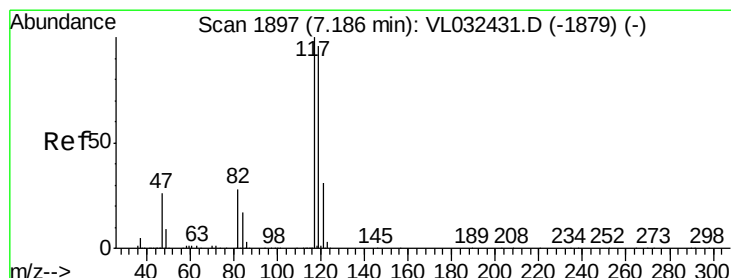
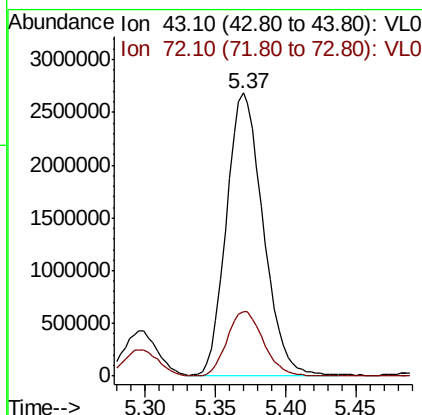
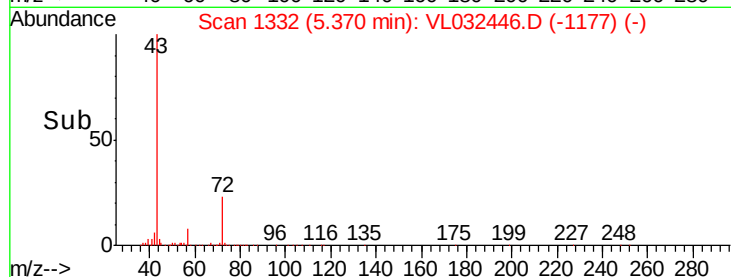
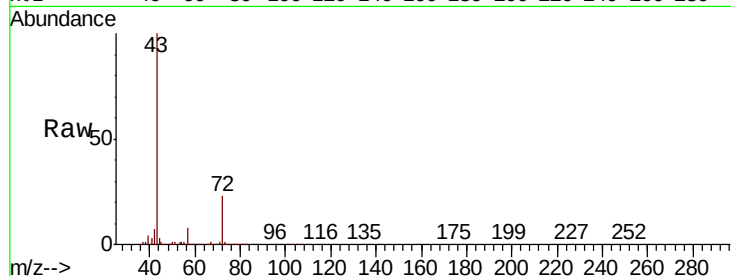
#34
2-Butanone
Concen: 18.478 ppbv
RT: 5.37 min Scan# 1332
Delta R.T. -0.00 min
Lab File: VL032446.D
Acq: 31 Aug 2018 18:25

Instrument :
MSVOA_L
ClientSampled :
VP-08

Tgt Ion: 43 Resp: 4843747
Ion Ratio Lower Upper
43 100
72 22.9 17.8 26.6

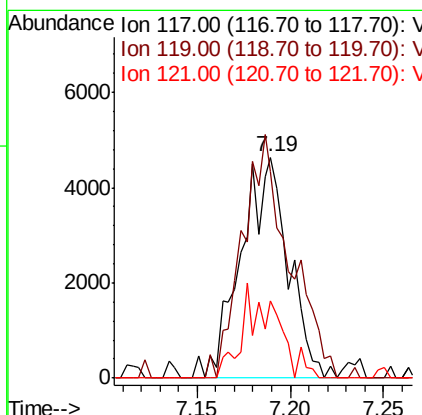
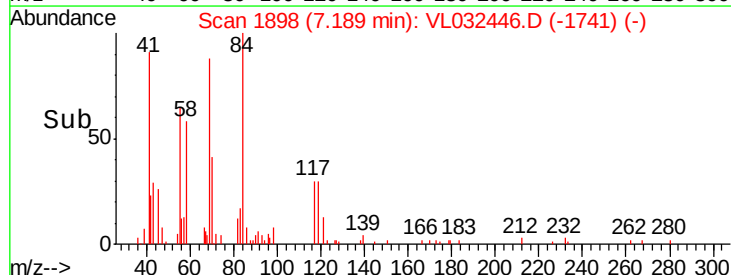
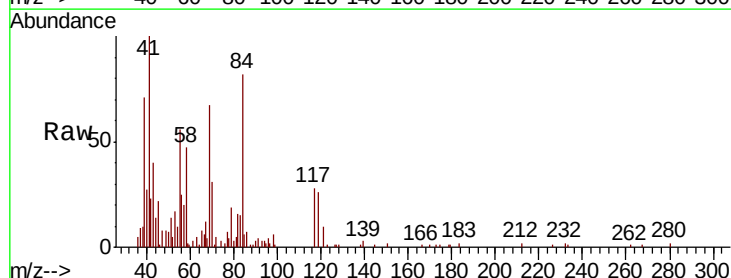
Manual Integrations
APPROVED

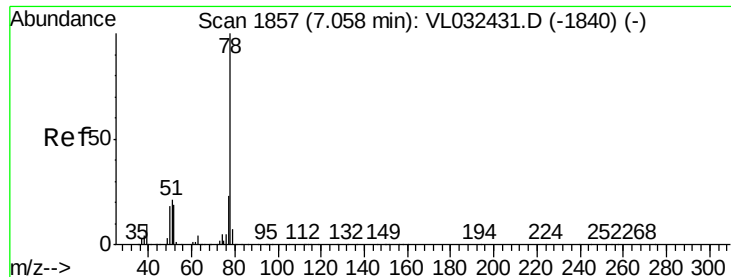
apatel
9/4/2018 8:26:34 AM



#35
Carbon Tetrachloride
Concen: 0.031 ppbv m
RT: 7.19 min Scan# 1898
Delta R.T. 0.00 min
Lab File: VL032446.D
Acq: 31 Aug 2018 18:25

Tgt Ion: 117 Resp: 8250
Ion Ratio Lower Upper
117 100
119 93.4 76.6 115.0
121 34.7 24.6 36.8





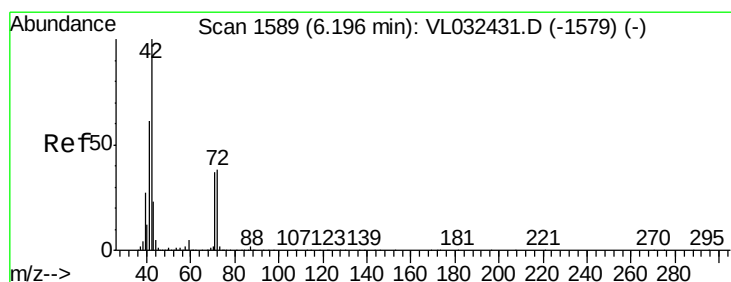
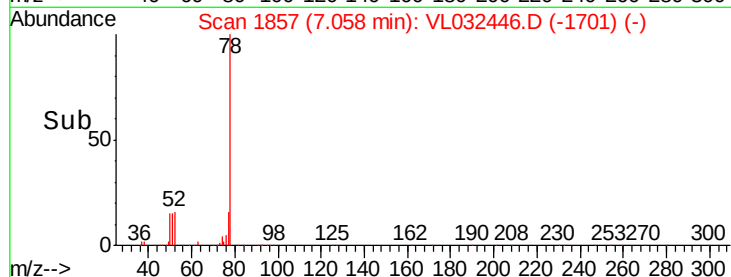
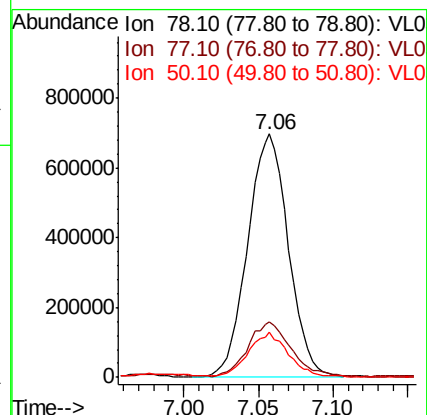
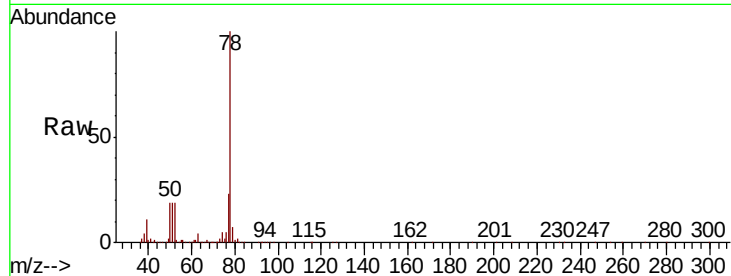
#36
Benzene
Concen: 3.910 ppbv
RT: 7.06 min Scan# 1857
Delta R.T. 0.00 min
Lab File: VL032446.D
Acq: 31 Aug 2018 18:25

Instrument :
MSVOA_L
ClientSampleId :
VP-08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.0	18.4	27.6
50	18.1	14.4	21.6

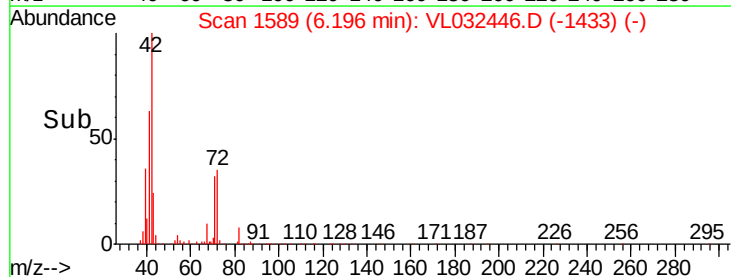
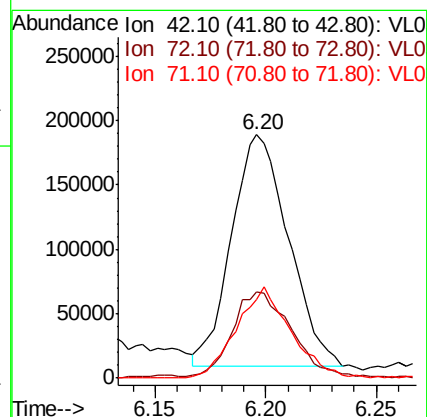
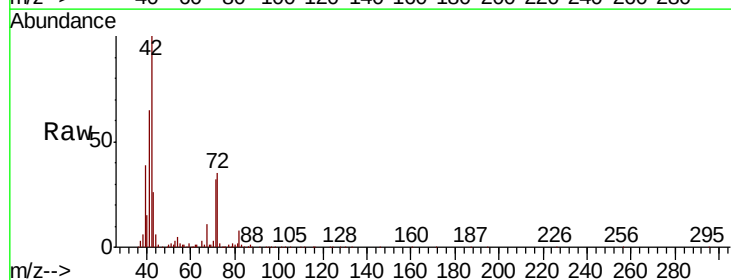
Manual Integrations
APPROVED

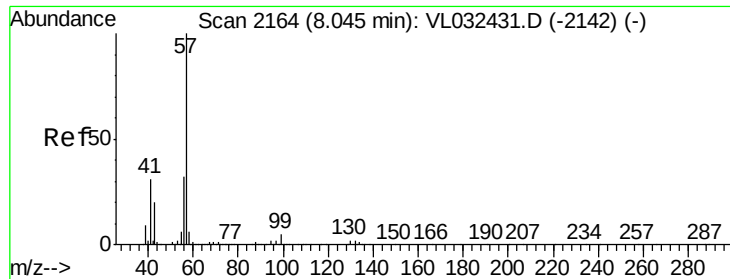
apatel
9/4/2018 8:26:34 AM



#41
Tetrahydrofuran
Concen: 2.251 ppbv
RT: 6.20 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VL032446.D
Acq: 31 Aug 2018 18:25

Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.6	29.5	44.3
71	38.4	28.3	42.5





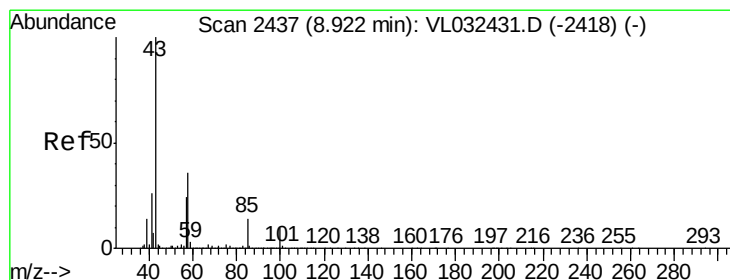
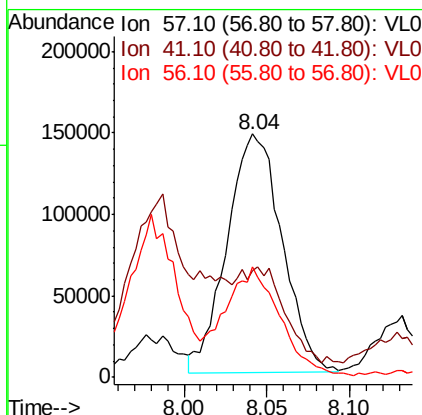
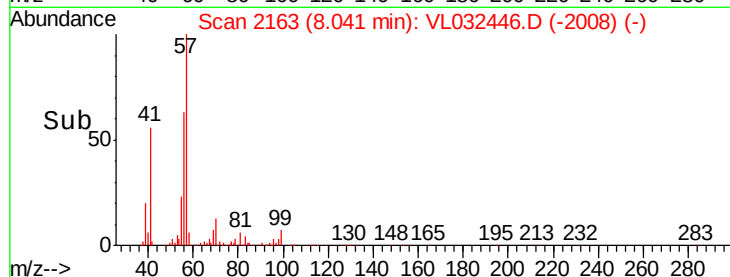
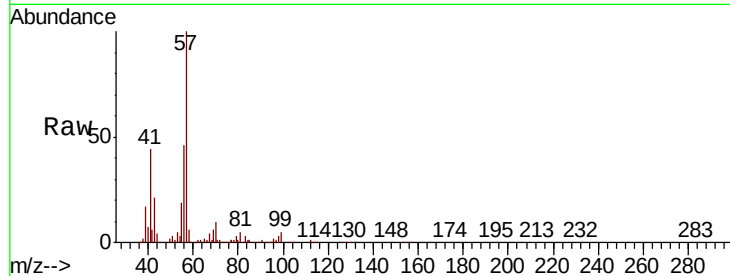
#44
 2,2,4-Trimethylpentane
 Concen: 0.524 ppbv
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VL032446.D
 Acq: 31 Aug 2018 18:25

Instrument :
 MSVOA_L
 ClientSampled :
 VP-08

Tgt Ion	Ratio	Lower	Upper
57	100		
41	52.2	24.4	36.6#
56	43.3	25.7	38.5#

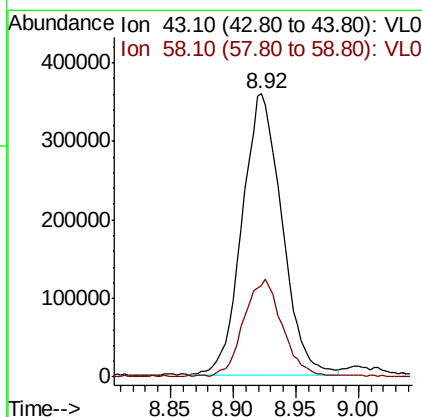
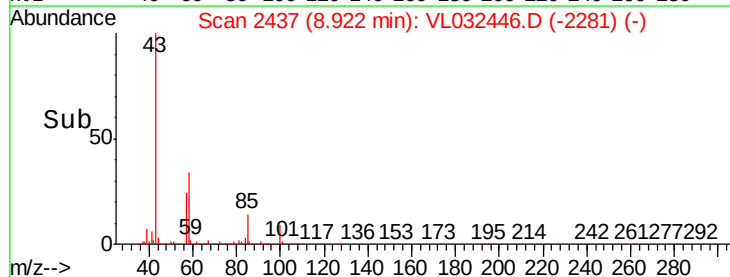
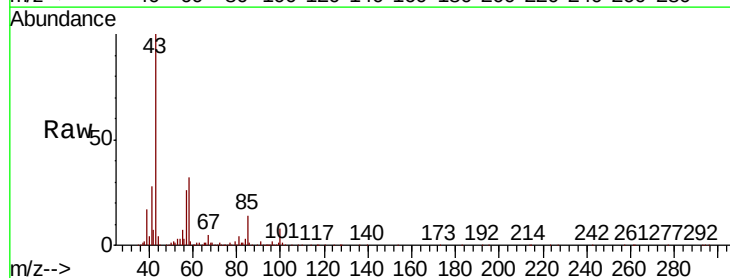
Manual Integrations
 APPROVED

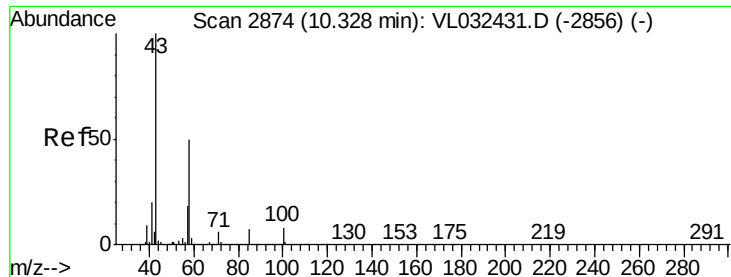
apatel
 9/4/2018 8:26:34 AM



#50
 4-Methyl-2-Pentanone
 Concen: 2.000 ppbv
 RT: 8.92 min Scan# 2437
 Delta R.T. 0.00 min
 Lab File: VL032446.D
 Acq: 31 Aug 2018 18:25

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.9	29.0	43.4





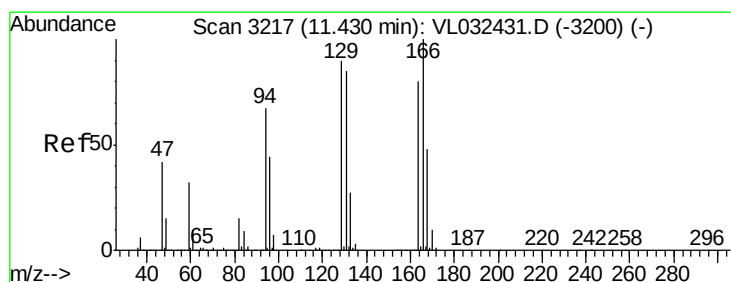
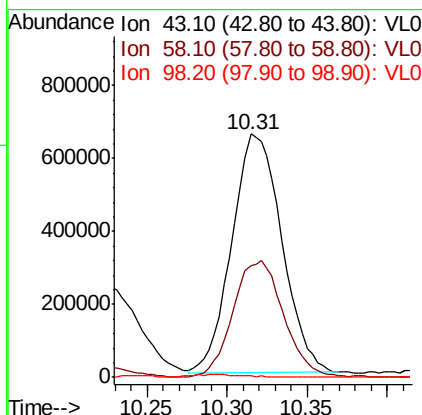
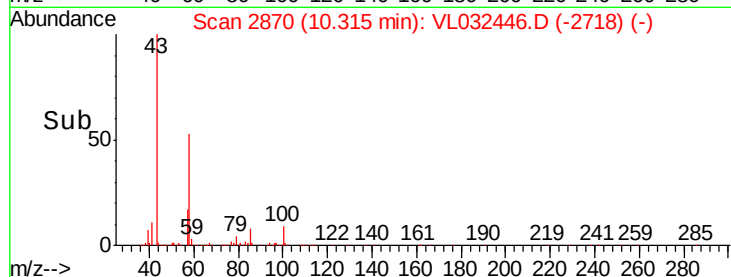
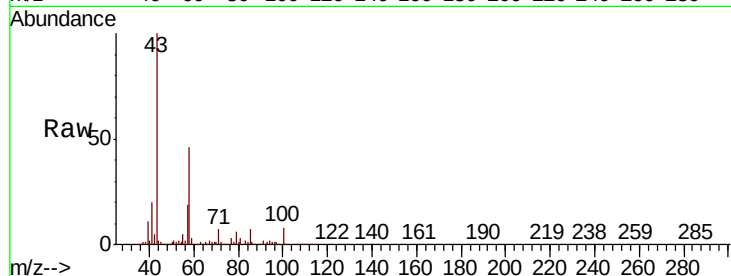
#51
 2-Hexanone
 Concen: 5.485 ppbv
 RT: 10.31 min Scan# 2870
 Delta R.T. -0.01 min
 Lab File: VL032446.D
 Acq: 31 Aug 2018 18:25

Instrument :
 MSVOA_L
 ClientSampled :
 VP-08

Tgt Ion: 43 Resp: 1395174
 Ion Ratio Lower Upper
 43 100
 58 49.7 39.2 58.8
 98 1.3 0.4 0.6#

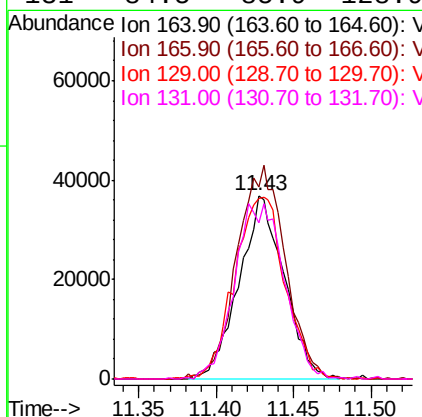
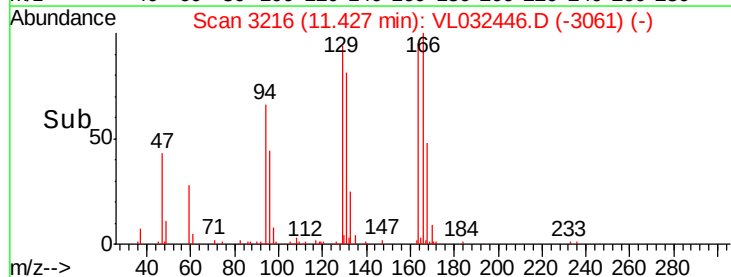
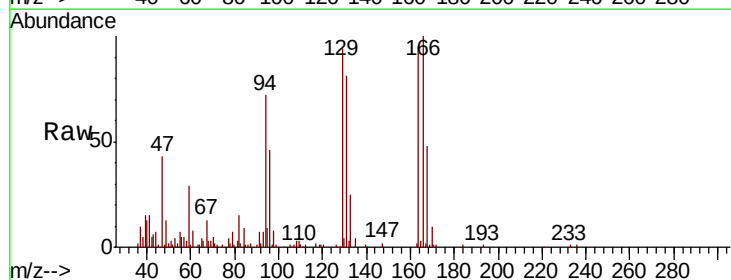
Manual Integrations
 APPROVED

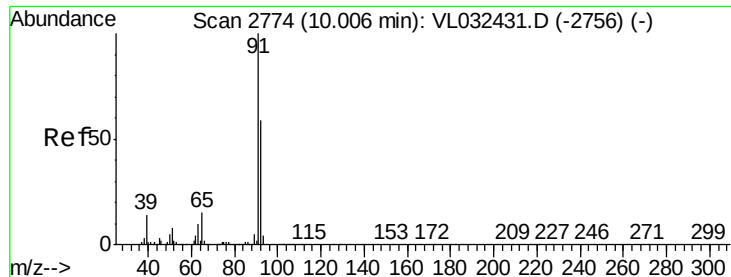
apatel
 9/4/2018 8:26:34 AM



#52
 Tetrachloroethene
 Concen: 0.719 ppbv
 RT: 11.43 min Scan# 3216
 Delta R.T. -0.00 min
 Lab File: VL032446.D
 Acq: 31 Aug 2018 18:25

Tgt Ion: 164 Resp: 74880
 Ion Ratio Lower Upper
 164 100
 166 103.9 100.6 150.8
 129 97.7 89.9 134.9
 131 84.5 85.9 128.9#





#53

Toluene

Concen: 13.773 ppbv

RT: 10.00 min Scan# 2773

Delta R.T. -0.00 min

Lab File: VL032446.D

Acq: 31 Aug 2018 18:25

Instrument :

MSVOA_L

ClientSampled :

VP-08

Tgt Ion: 91 Resp: 4834917

Ion Ratio Lower Upper

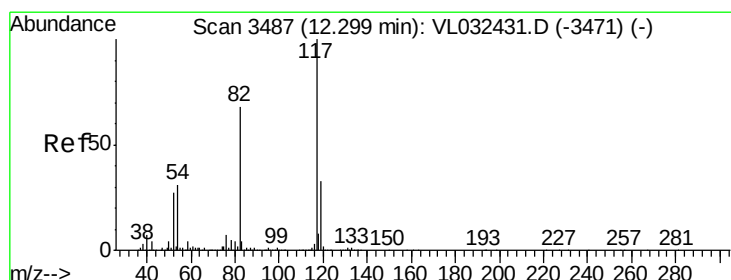
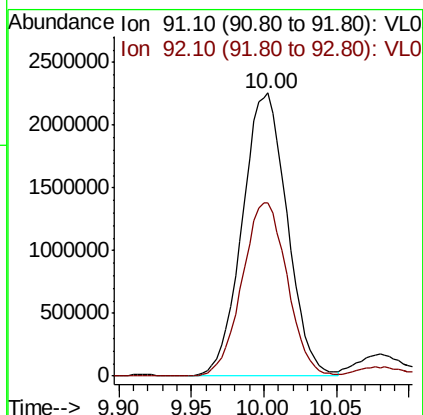
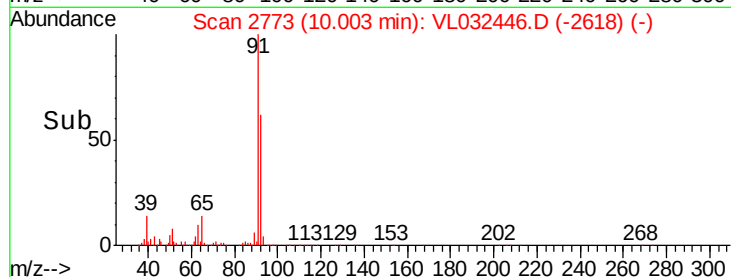
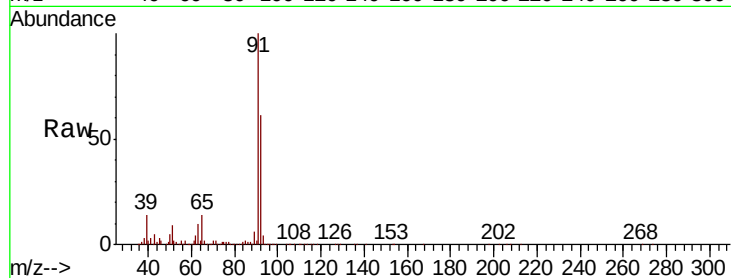
91 100

92 61.6 48.1 72.1

Manual Integrations
APPROVED

apatel

9/4/2018 8:26:34 AM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.30 min Scan# 3486

Delta R.T. -0.00 min

Lab File: VL032446.D

Acq: 31 Aug 2018 18:25

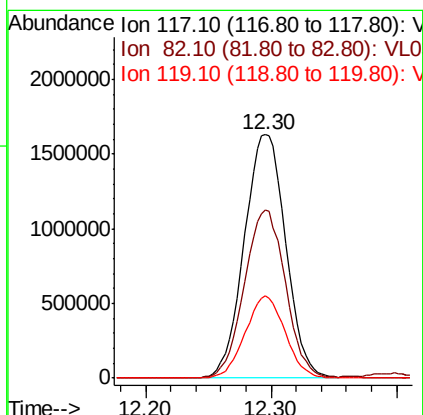
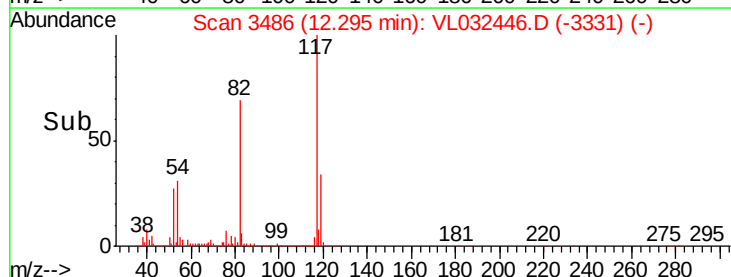
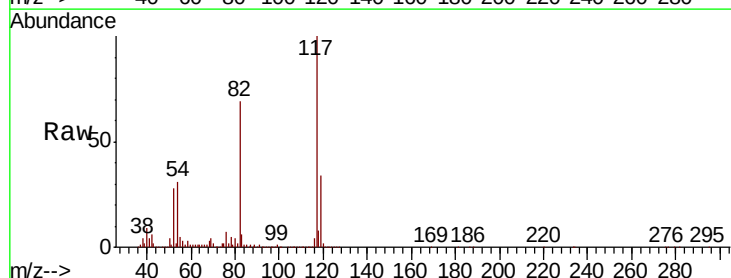
Tgt Ion: 117 Resp: 3749653

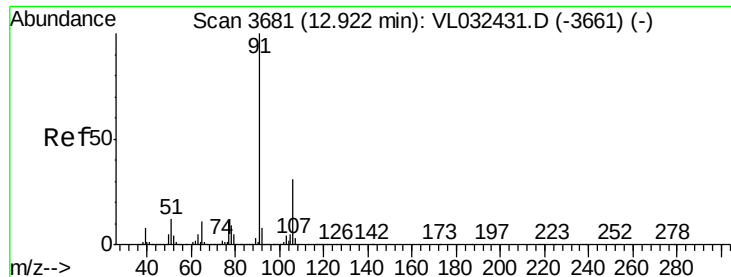
Ion Ratio Lower Upper

117 100

82 68.4 53.0 79.6

119 32.6 45.9 68.9#





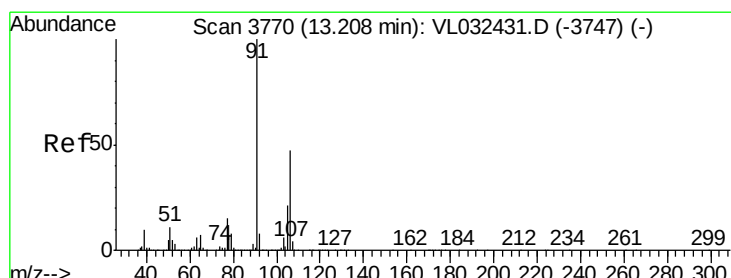
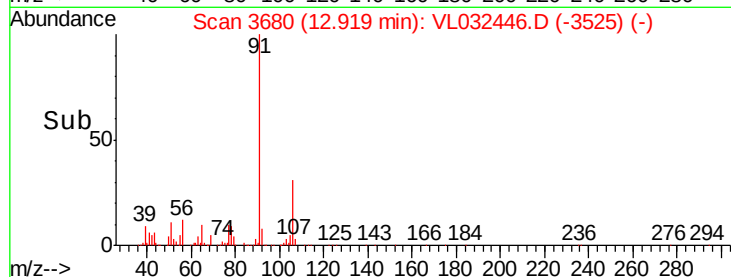
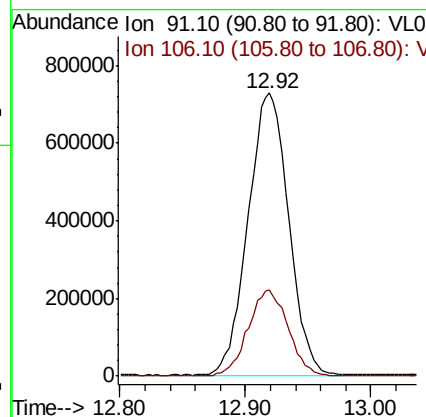
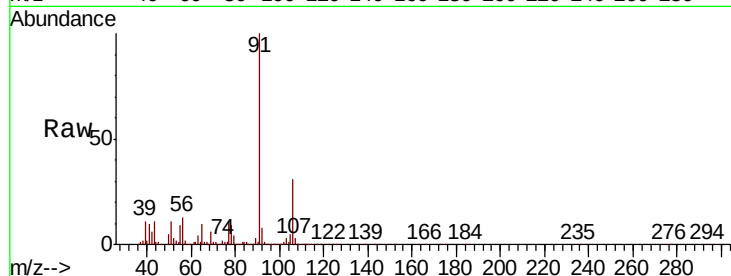
#58
Ethyl Benzene
Concen: 3.653 ppbv
RT: 12.92 min Scan# 3680
Delta R.T. -0.00 min
Lab File: VL032446.D
Acq: 31 Aug 2018 18:25

Instrument :
MSVOA_L
ClientSampled :
VP-08

Tgt Ion: 91 Resp: 1639029
Ion Ratio Lower Upper
91 100
106 30.7 24.8 37.2

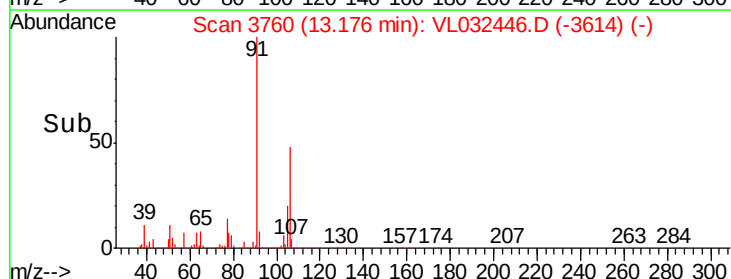
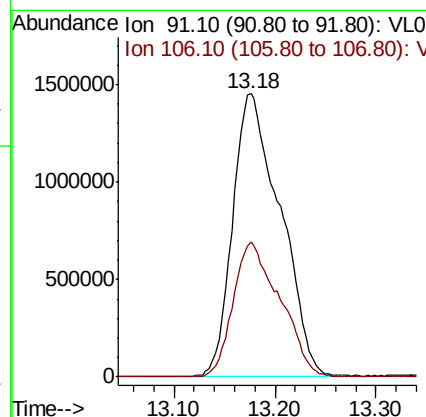
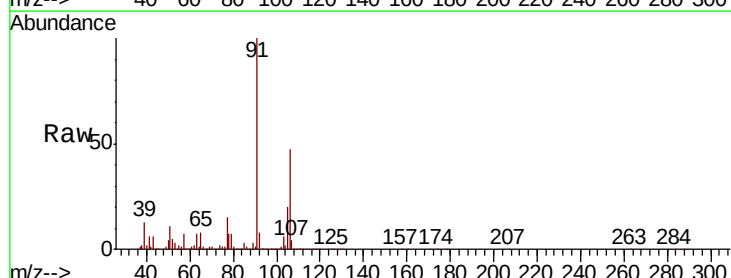
Manual Integrations
APPROVED

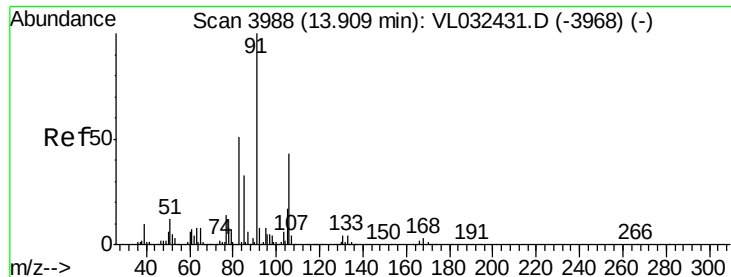
apatel
9/4/2018 8:26:34 AM



#59
m/p-Xylene
Concen: 11.850 ppbv
RT: 13.18 min Scan# 3760
Delta R.T. -0.03 min
Lab File: VL032446.D
Acq: 31 Aug 2018 18:25

Tgt Ion: 91 Resp: 4740497
Ion Ratio Lower Upper
91 100
106 47.1 36.6 55.0





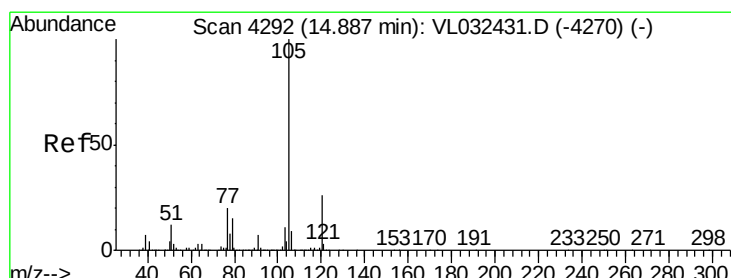
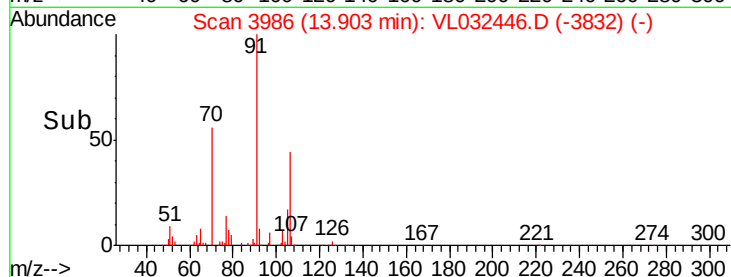
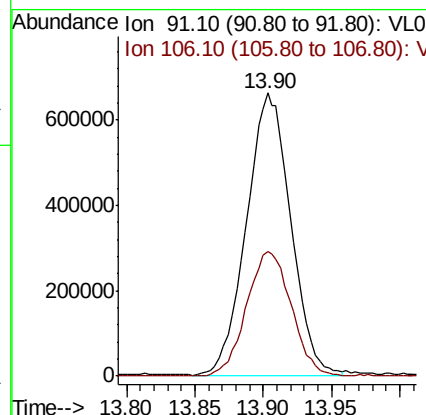
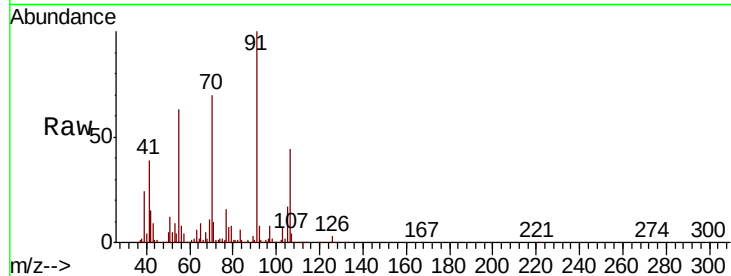
#60
o-Xylene
Concen: 3.778 ppbv
RT: 13.90 min Scan# 3986
Delta R.T. -0.01 min
Lab File: VL032446.D
Acq: 31 Aug 2018 18:25

Instrument :
MSVOA_L
ClientSampleId :
VP-08

Tgt Ion: 91 Resp: 1484631
Ion Ratio Lower Upper
91 100
106 45.0 21.9 65.7

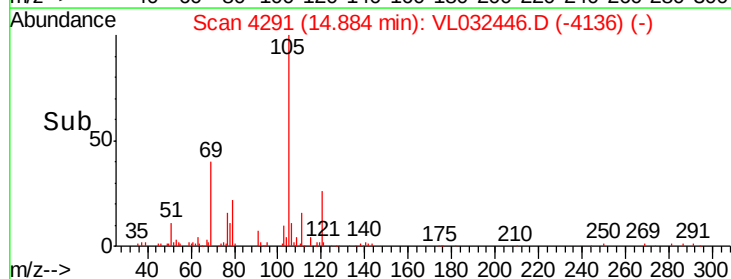
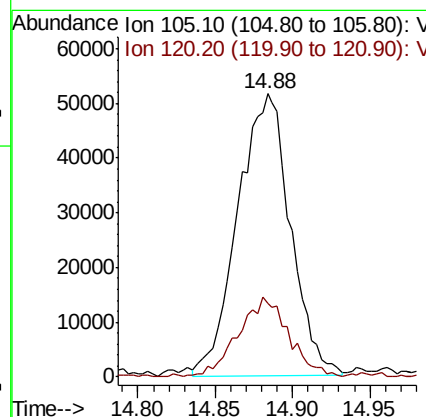
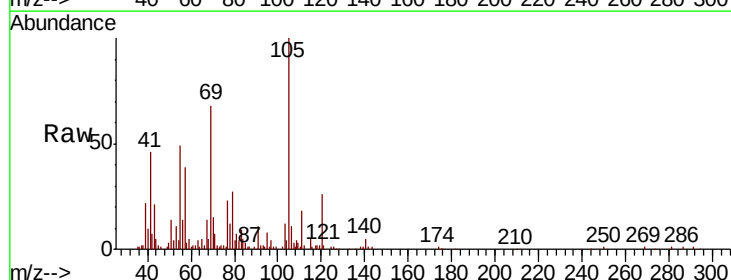
Manual Integrations
APPROVED

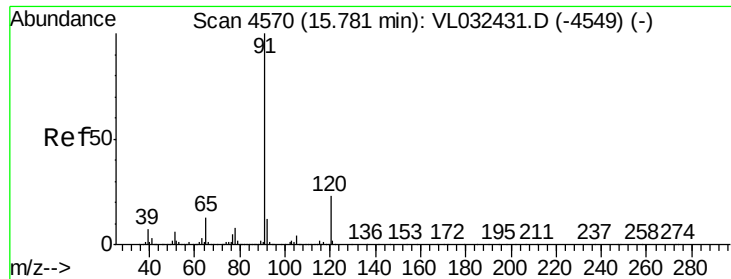
apatel
9/4/2018 8:26:34 AM



#62
Isopropylbenzene
Concen: 0.220 ppbv
RT: 14.88 min Scan# 4291
Delta R.T. -0.00 min
Lab File: VL032446.D
Acq: 31 Aug 2018 18:25

Tgt Ion: 105 Resp: 121788
Ion Ratio Lower Upper
105 100
120 27.3 20.6 31.0





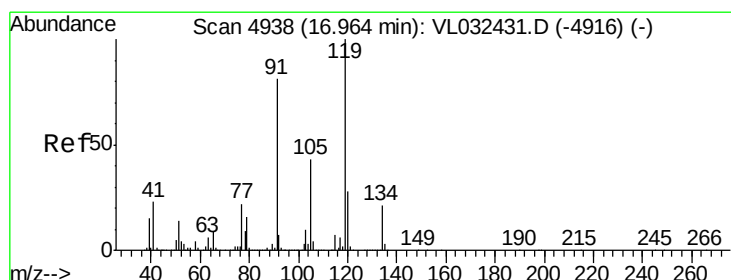
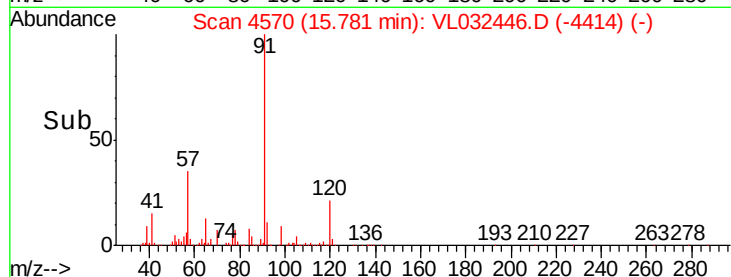
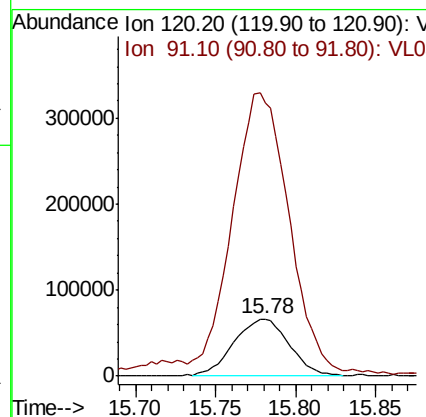
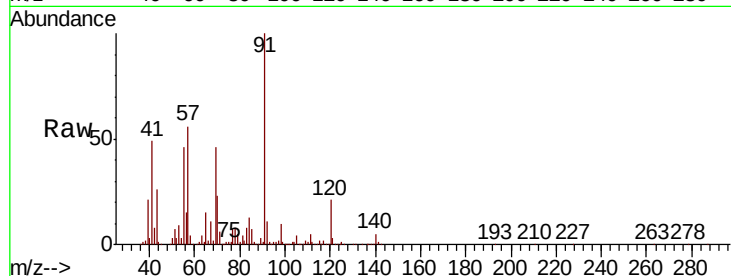
#64
n-propylbenzene
Concen: 1.052 ppbv
RT: 15.78 min Scan# 4570
Delta R.T. 0.00 min
Lab File: VL032446.D
Acq: 31 Aug 2018 18:25

Instrument :
MSVOA_L
ClientSampled :
VP-08

Tgt Ion	Ratio	Resp	Lower	Upper
120	100	151948		
91	542.4	381.8	572.6	

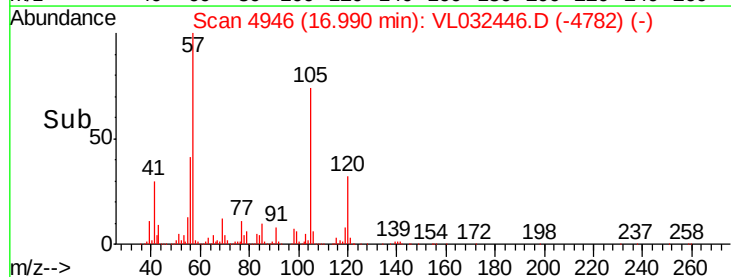
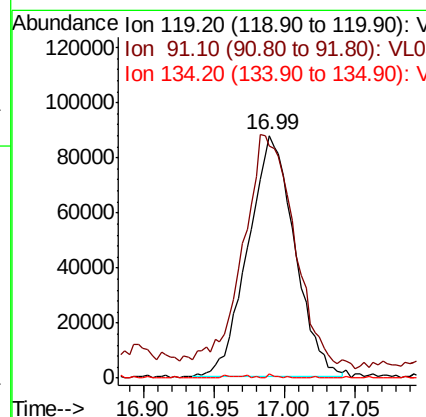
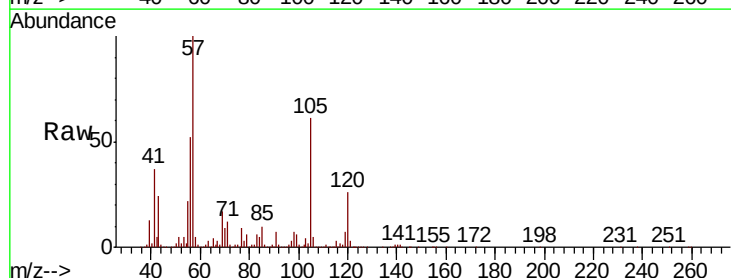
Manual Integrations
APPROVED

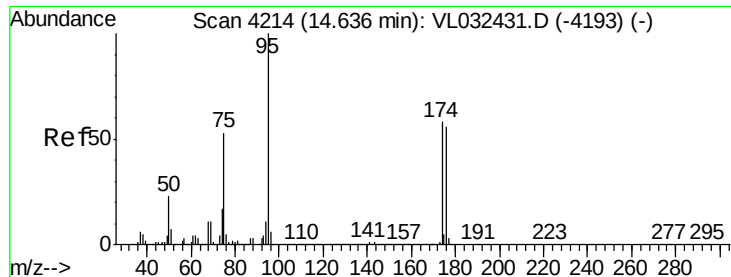
apatel
9/4/2018 8:26:34 AM



#65
tert-Butylbenzene
Concen: 0.426 ppbv
RT: 16.99 min Scan# 4946
Delta R.T. 0.03 min
Lab File: VL032446.D
Acq: 31 Aug 2018 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	202644		
91	104.8	66.5	99.7#	
134	0.9	16.0	24.0#	





#68

1-Bromo-4-Fluorobenzene

Concen: 10.270 ppbv

RT: 14.63 min Scan# 4213

Delta R.T. -0.00 min

Lab File: VL032446.D

Acq: 31 Aug 2018 18:25

Instrument :

MSVOA_L

ClientSampled :

VP-08

Tgt Ion: 95 Resp: 2859017

Ion Ratio Lower Upper

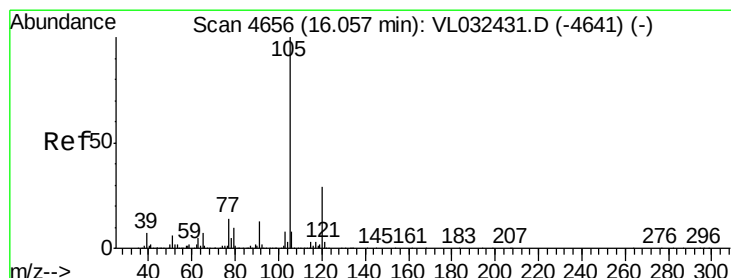
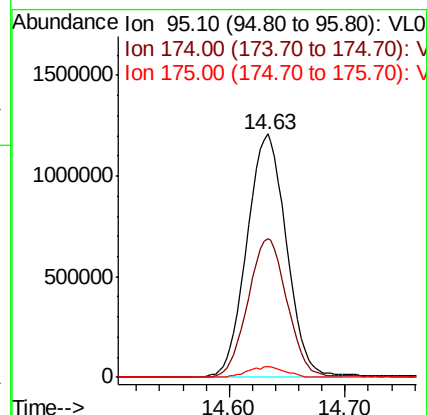
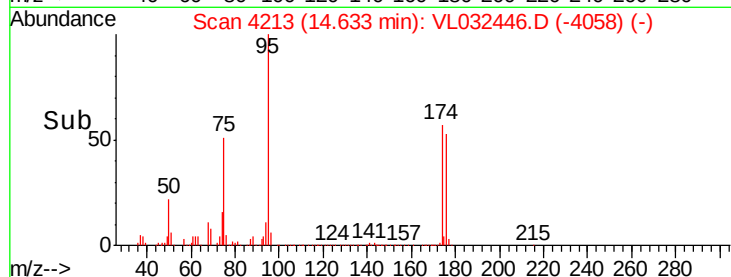
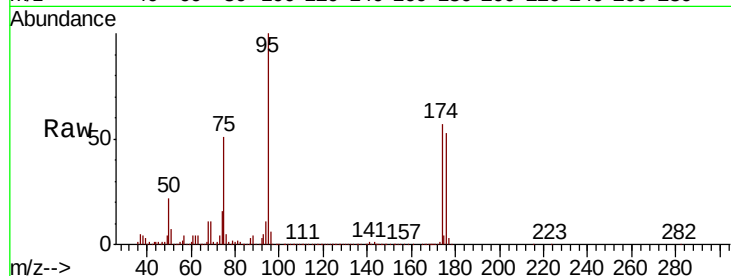
95 100

174 57.7 46.3 69.5

175 4.2 3.4 5.0

Manual Integrations
APPROVED

apatel
9/4/2018 8:26:34 AM



#72

4-Ethyltoluene

Concen: 2.125 ppbv

RT: 16.06 min Scan# 4656

Delta R.T. 0.00 min

Lab File: VL032446.D

Acq: 31 Aug 2018 18:25

Tgt Ion: 105 Resp: 911634

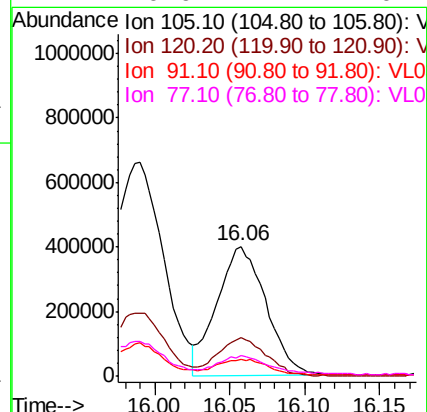
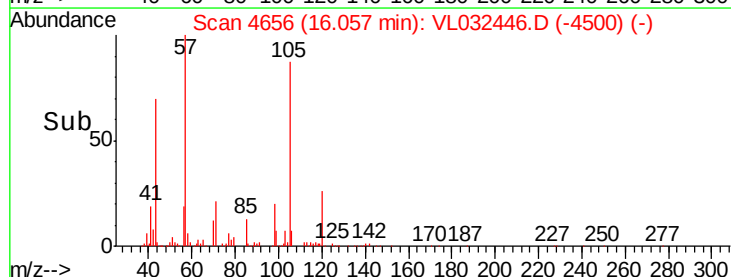
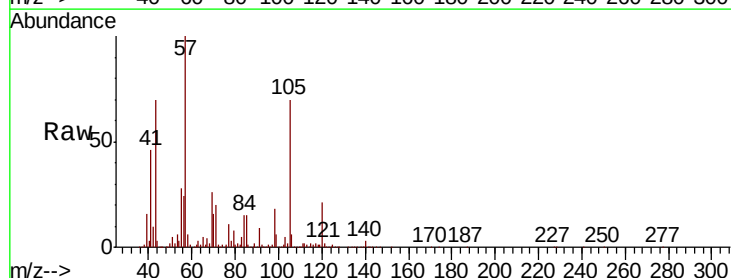
Ion Ratio Lower Upper

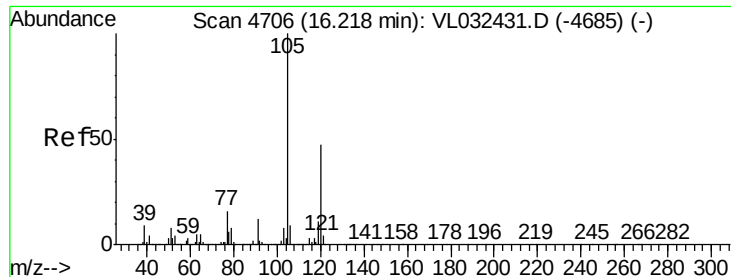
105 100

120 29.7 23.5 35.3

91 12.7 10.2 15.2

77 16.9 11.1 16.7#





#73

1,3,5-Trimethylbenzene

Concen: 1.087 ppbv

RT: 16.21 min Scan# 4704

Delta R.T. -0.01 min

Lab File: VL032446.D

Acq: 31 Aug 2018 18:25

Instrument :

MSVOA_L

ClientSampleId :

VP-08

Tgt Ion:105 Resp: 467112

Ion Ratio Lower Upper

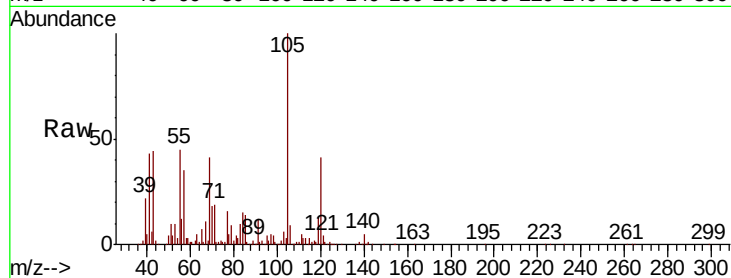
105 100

120 41.2 37.9 56.9

Manual Integrations
APPROVED

apatel

9/4/2018 8:26:34 AM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.21

200000

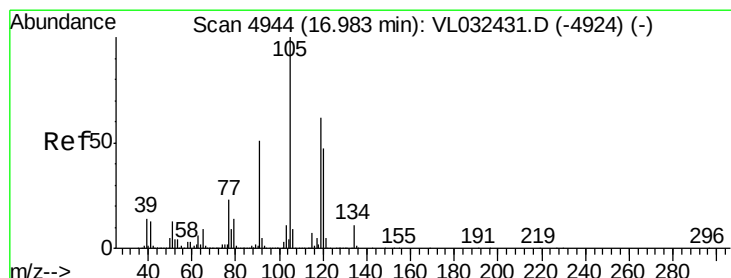
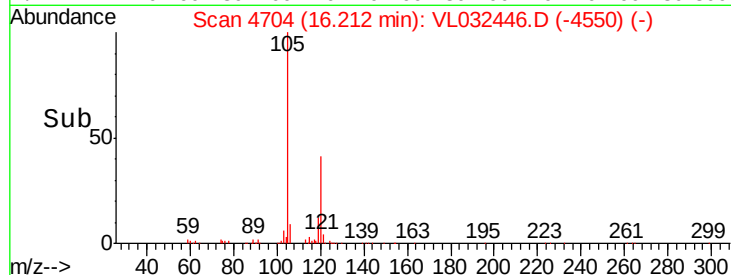
150000

100000

50000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 3.935 ppbv

RT: 16.99 min Scan# 4946

Delta R.T. 0.01 min

Lab File: VL032446.D

Acq: 31 Aug 2018 18:25

Tgt Ion:105 Resp: 1849109

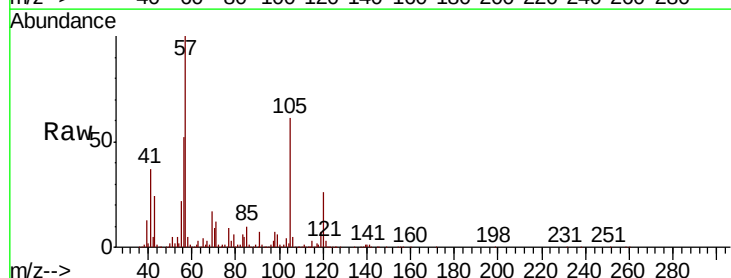
Ion Ratio Lower Upper

105 100

120 43.1 37.8 56.8

91 10.6 41.4 62.0#

77 14.3 18.6 28.0#



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

1200000

1000000

800000

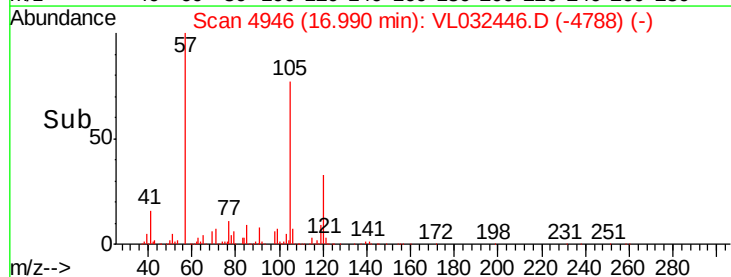
600000

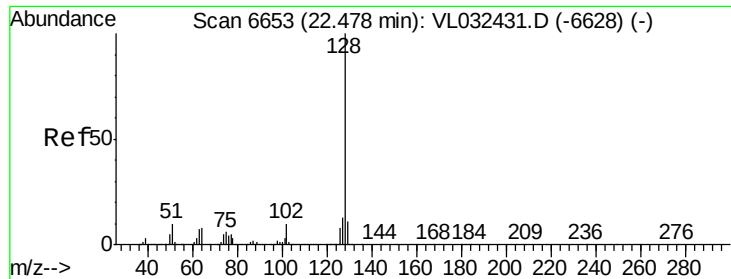
400000

200000

0

Time-->





#79

Naphthalene

Concen: 0.528 ppbv

RT: 22.50 min Scan# 6659

Delta R.T. 0.02 min

Lab File: VL032446.D

Acq: 31 Aug 2018 18:25

Instrument :

MSVOA_L

ClientSampleId :

VP-08

Tgt Ion:	128	Resp:	201938
Ion Ratio		Lower	Upper
128	100		
127	14.9	10.2	15.2
129	10.8	8.5	12.7

Manual Integrations
APPROVED

apatel
9/4/2018 8:26:34 AM

