

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111418\
 Data File : VL032759.D
 Acq On : 14 Nov 2018 15:00
 Operator : SY/AP
 Sample : J5896-01 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

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 11/16/2018 1:29:58 PM

Quant Time: Nov 15 06:09:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1557598	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3868566	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3593149	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	2815568	10.48	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.67	45	26547	1.640	ppbv	89
15) Acetone	3.92	43	163514	1.150	ppbv	98
20) Methylene Chloride	4.42	84	32053m	0.435	ppbv	
26) Hexane	5.79	57	40955	0.278	ppbv #	47
27) Carbon Disulfide	4.63	76	24806	0.133	ppbv #	45
34) 2-Butanone	5.35	43	39022	0.194	ppbv	96
52) Tetrachloroethene	11.38	164	2498430	23.314	ppbv	98
53) Toluene	9.95	91	113459	0.353	ppbv	97
58) Ethyl Benzene	12.87	91	97899	0.226	ppbv	93
59) m/p-Xylene	13.13	91	306899	0.797	ppbv	98
60) o-Xylene	13.85	91	160382	0.414	ppbv	99
72) 4-Ethyltoluene	16.00	105	54792	0.129	ppbv #	93
73) 1,3,5-Trimethylbenzene	16.16	105	63057m	0.152	ppbv	
74) 1,2,4-Trimethylbenzene	16.93	105	201115	0.453	ppbv #	66

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

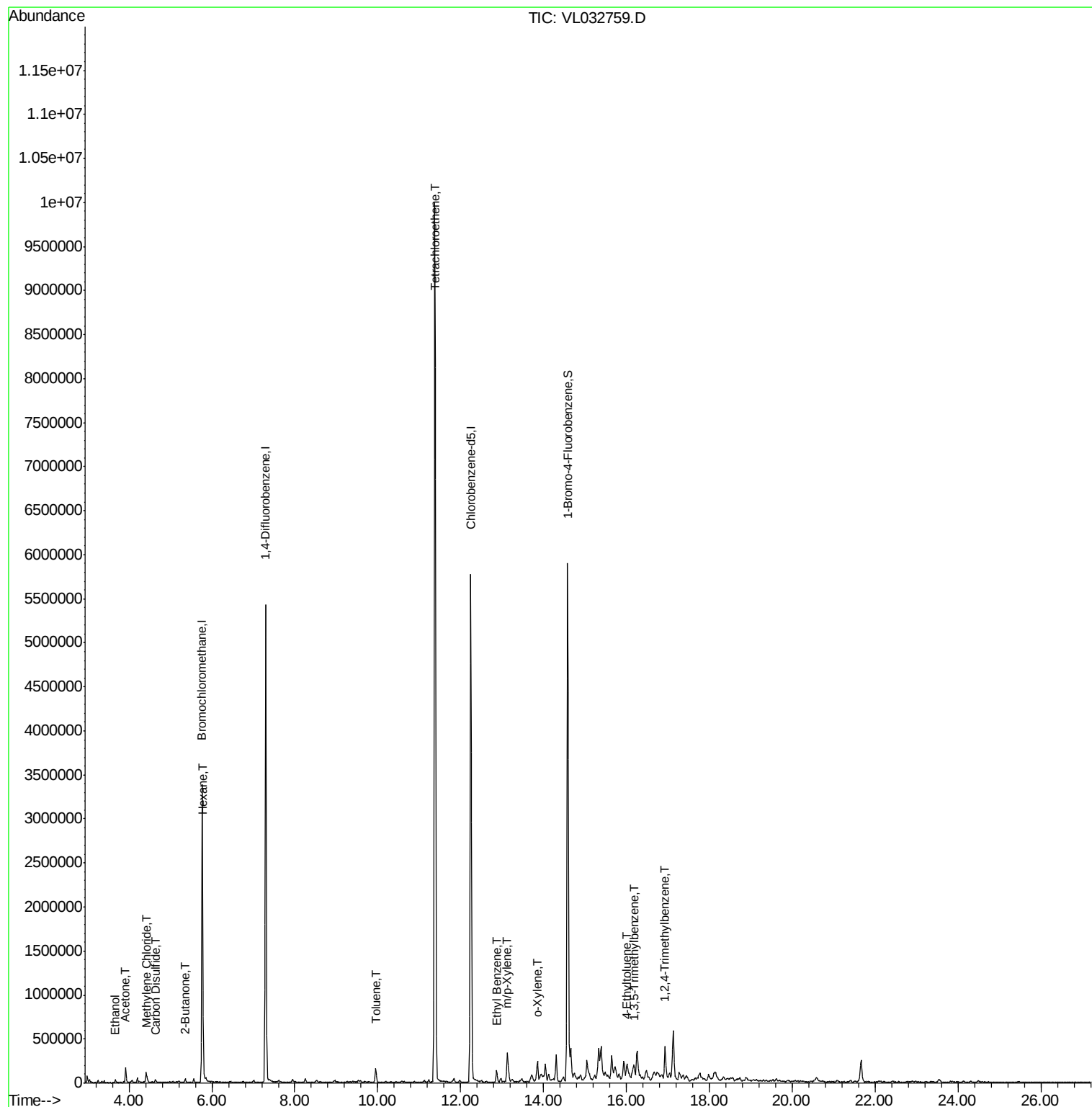
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111418\
Data File : VL032759.D
Acq On : 14 Nov 2018 15:00
Operator : SY/AP
Sample : J5896-01 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

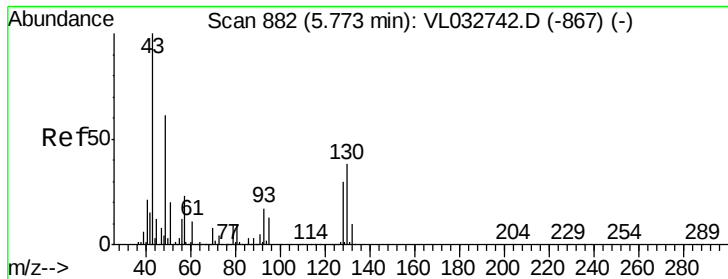
Instrument :
MSVOA_L
ClientSampleId :
SV1

Manual Integrations
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Quant Time: Nov 15 06:09:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.01 min

Lab File: VL032759.D

Acq: 14 Nov 2018 15:00

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tot Ion: 49 Resp: 1557598

Ion Ratio Lower Upper

49 100

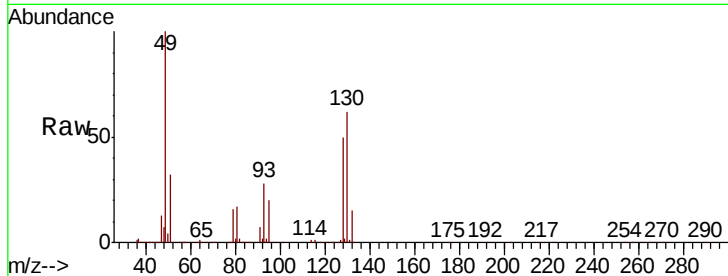
128 50.5 24.9 74.6

130 63.7 31.4 94.2

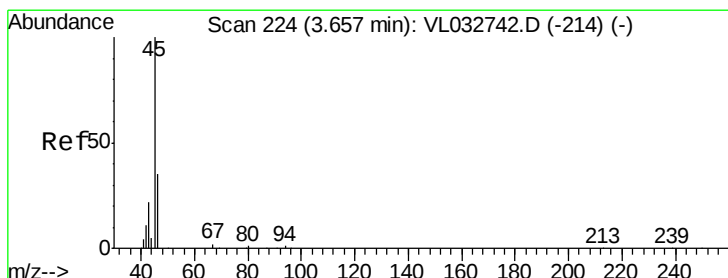
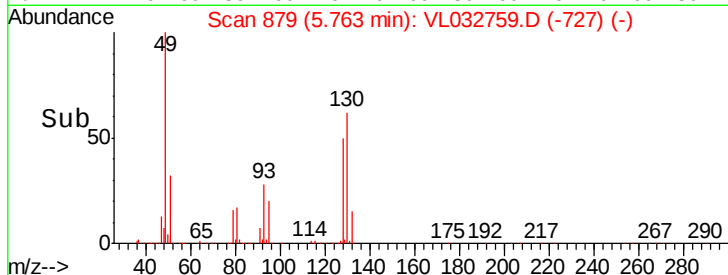
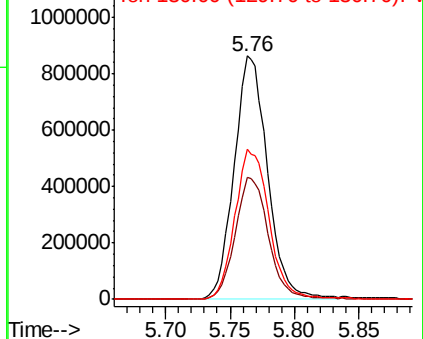
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Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#13

Ethanol

Concen: 1.640 ppbv

RT: 3.67 min Scan# 228

Delta R.T. 0.01 min

Lab File: VL032759.D

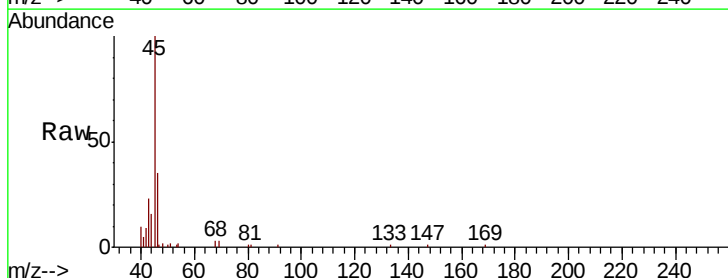
Acq: 14 Nov 2018 15:00

Tgt Ion: 45 Resp: 26547

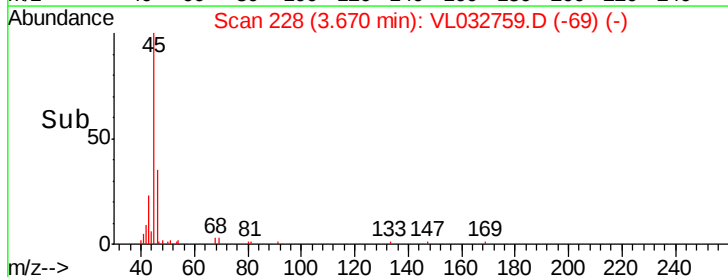
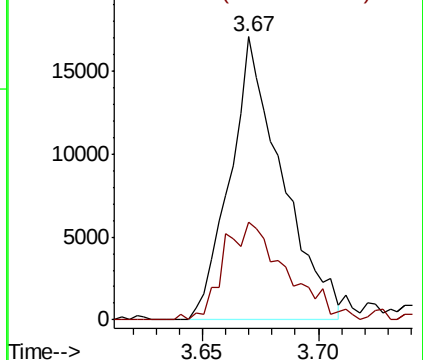
Ion Ratio Lower Upper

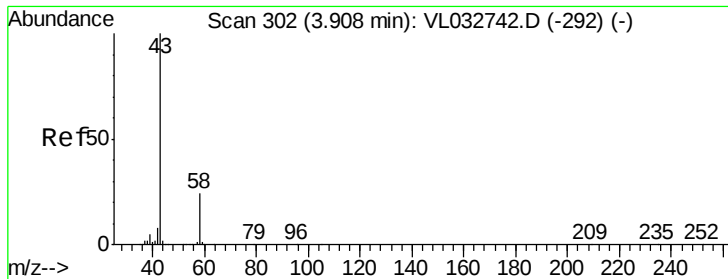
45 100

46 42.7 14.5 57.9



Abundance Ion 45.10 (44.80 to 45.80): VL0
Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 1.150 ppbv

RT: 3.92 min Scan# 305

Delta R.T. 0.01 min

Lab File: VL032759.D

Acq: 14 Nov 2018 15:00

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tot Ion: 43 Resp: 163514

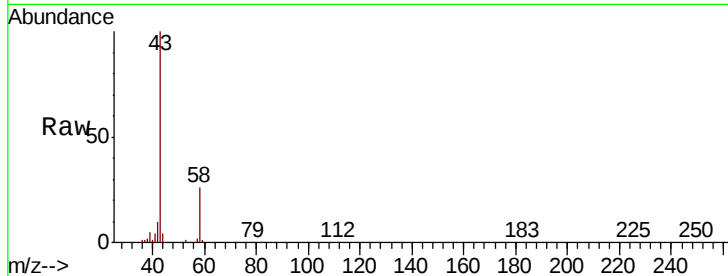
Ion Ratio Lower Upper

43 100

58 27.5 21.1 31.7

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

120000

100000

80000

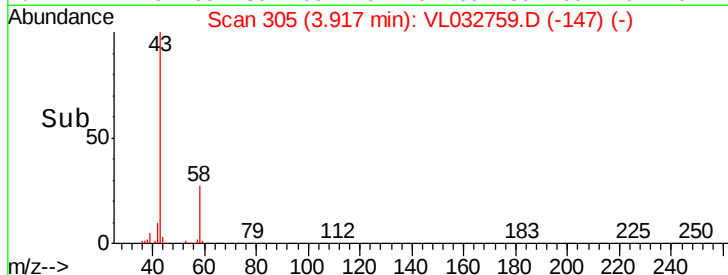
60000

40000

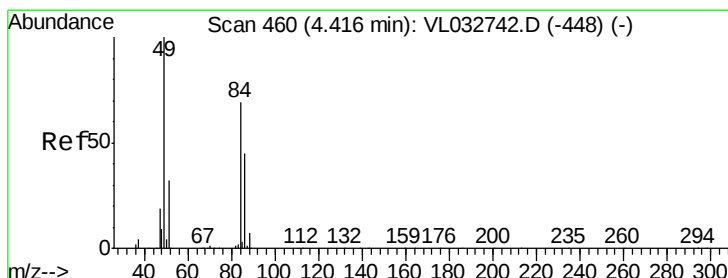
20000

0

Time-->



3.92



#20

Methylene Chloride

Concen: 0.435 ppbv m

RT: 4.42 min Scan# 460

Delta R.T. -0.00 min

Lab File: VL032759.D

Acq: 14 Nov 2018 15:00

Tgt Ion: 84 Resp: 32053

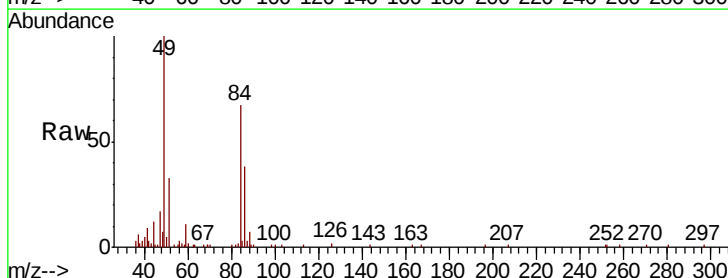
Ion Ratio Lower Upper

84 100

49 148.8 115.8 173.6

51 49.1 36.9 55.3

86 56.8 52.4 78.6



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

50000

40000

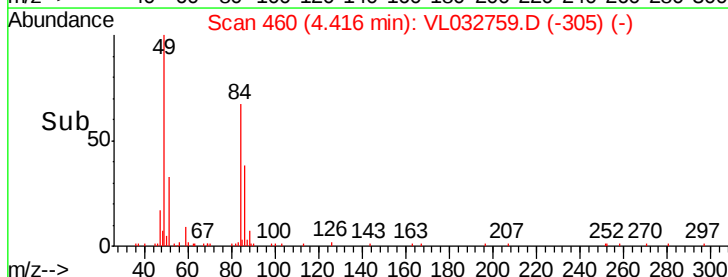
30000

20000

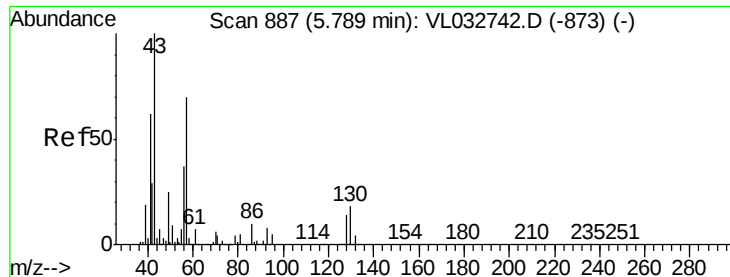
10000

0

Time-->



4.42



#26

Hexane

Concen: 0.278 ppbv

RT: 5.79 min Scan# 886

Delta R.T. -0.00 min

Lab File: VL032759.D

Acq: 14 Nov 2018 15:00

Instrument :

MSVOA_L

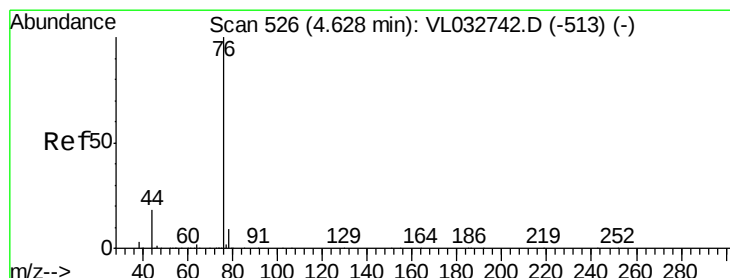
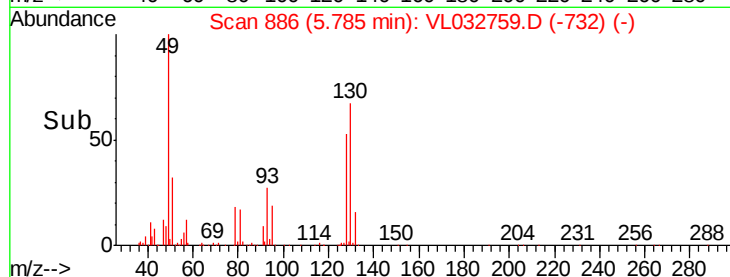
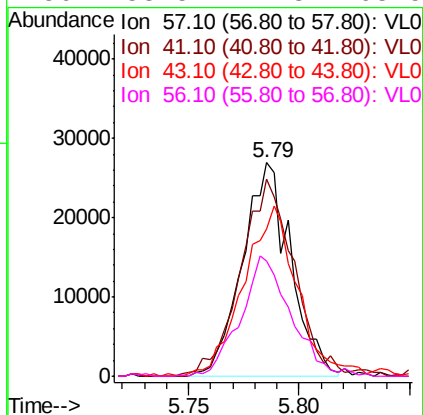
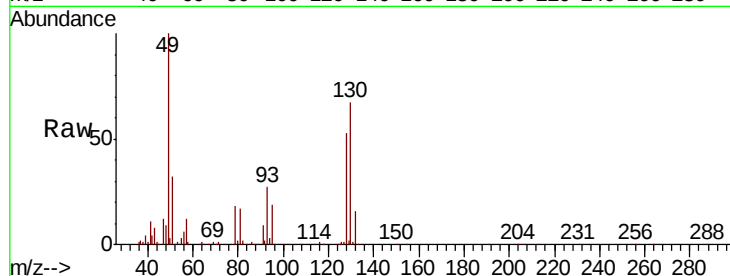
ClientSampled :

SV1

Tot Ion:	57	Resp:	40955
Ion	Ratio	Lower	Upper
57	100		
41	103.3	70.3	105.5
43	91.2	174.0	261.0#
56	58.5	42.3	63.5

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#27

Carbon Disulfide

Concen: 0.133 ppbv

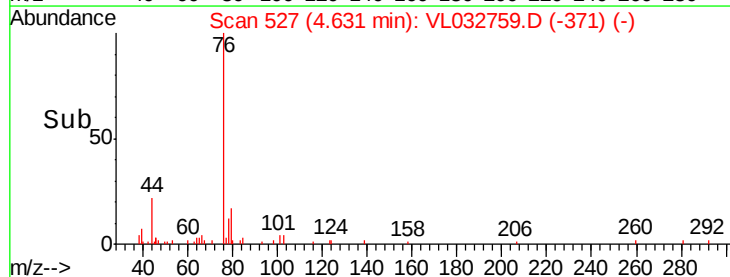
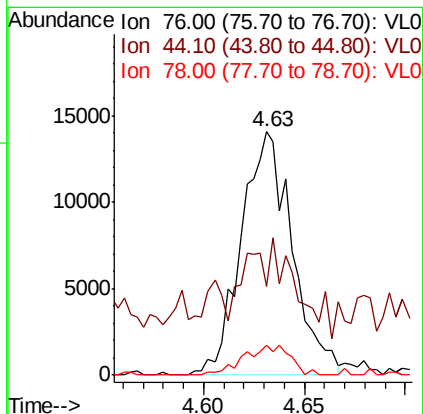
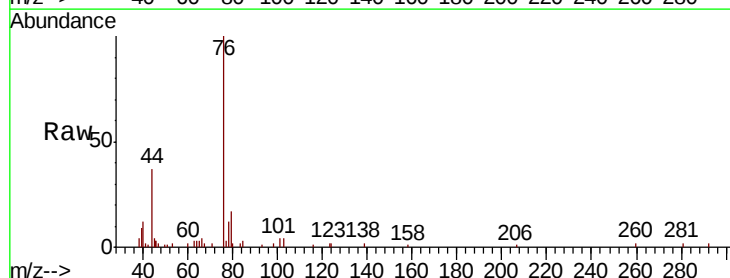
RT: 4.63 min Scan# 527

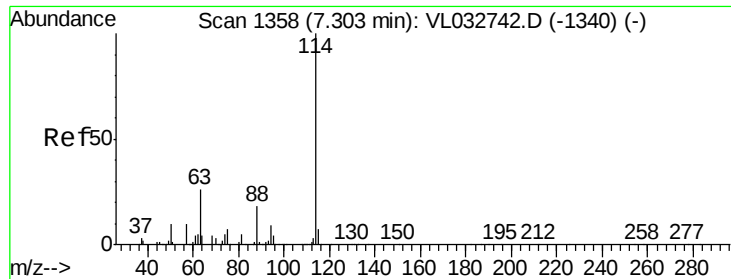
Delta R.T. 0.00 min

Lab File: VL032759.D

Acq: 14 Nov 2018 15:00

Tgt Ion:	76	Resp:	24806
Ion	Ratio	Lower	Upper
76	100		
44	54.5	14.4	21.6#
78	11.2	7.7	11.5





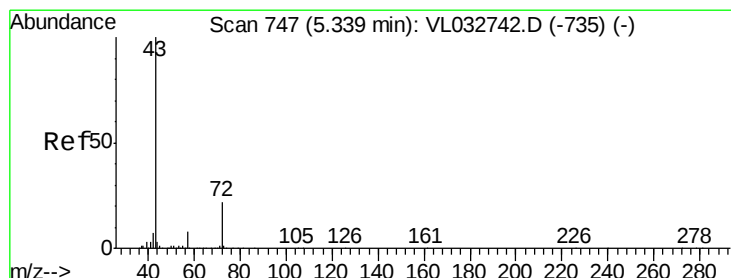
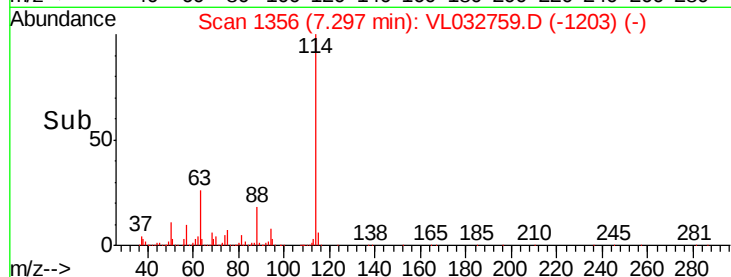
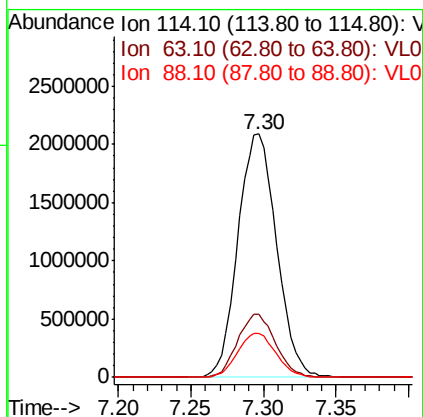
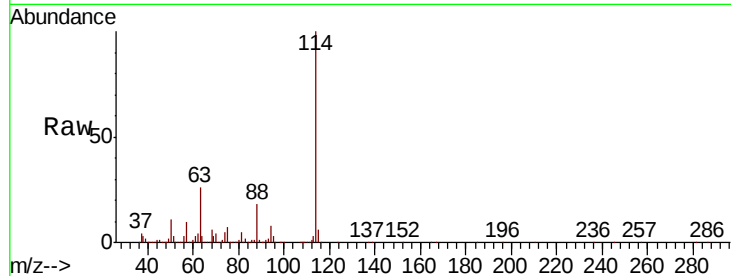
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1356
 Delta R.T. -0.01 min
 Lab File: VL032759.D
 Acq: 14 Nov 2018 15:00

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.7	20.9	31.3
88	18.0	14.4	21.6

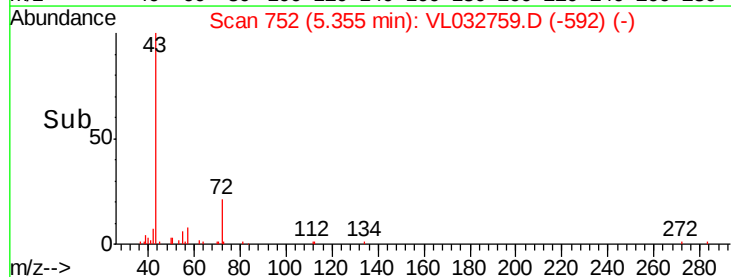
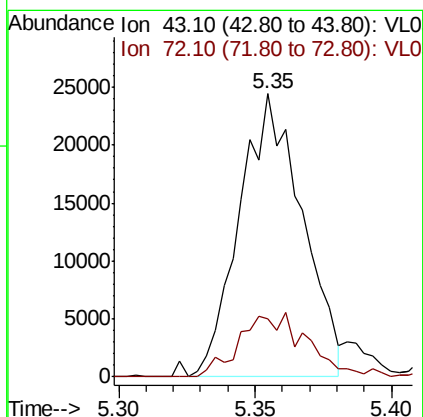
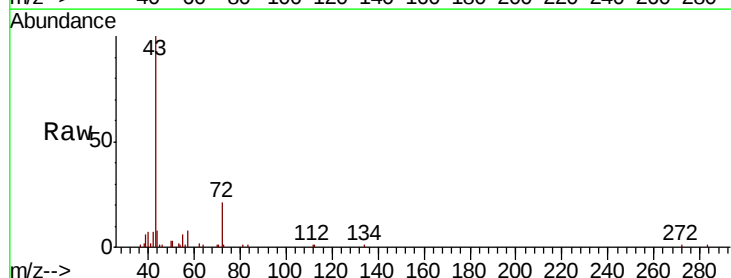
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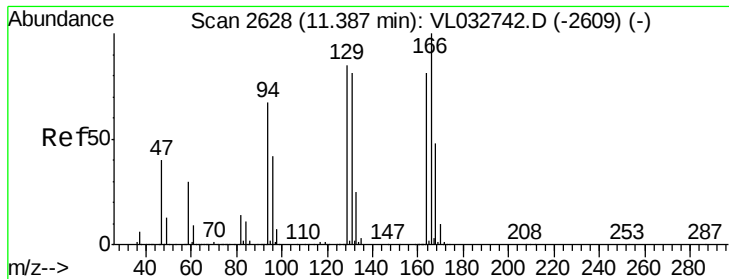
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#34
 2-Butanone
 Concen: 0.194 ppbv
 RT: 5.35 min Scan# 752
 Delta R.T. 0.02 min
 Lab File: VL032759.D
 Acq: 14 Nov 2018 15:00

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.0	18.4	27.6





#52

Tetrachloroethene

Concen: 23.314 ppbv

RT: 11.38 min Scan# 2627

Delta R.T. -0.00 min

Lab File: VL032759.D

Acq: 14 Nov 2018 15:00

Instrument :

MSVOA_L

ClientSampled :

SV1

Tot Ion:164 Resp: 2498430

Ion Ratio Lower Upper

164 100

166 123.5 99.3 148.9

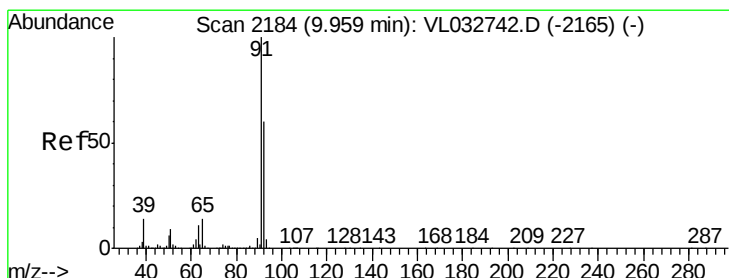
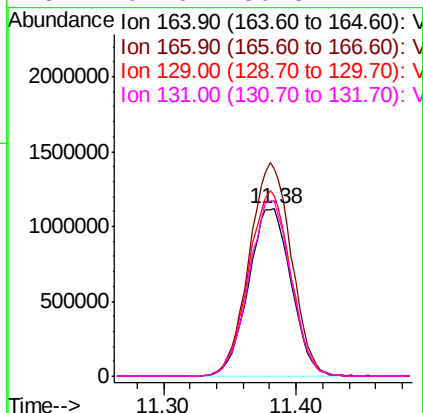
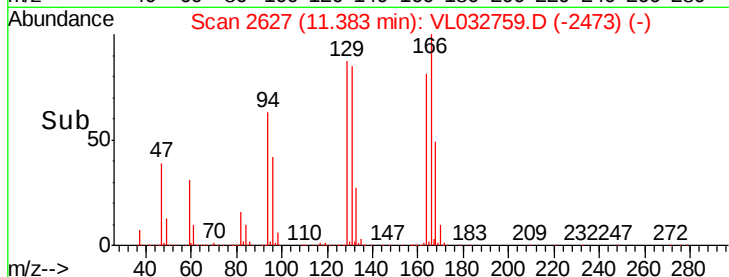
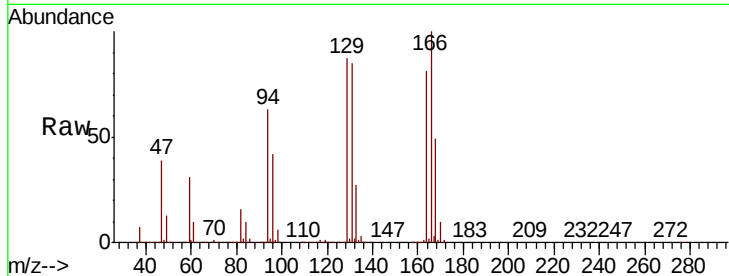
129 107.6 83.9 125.9

131 104.6 80.8 121.2

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#53

Toluene

Concen: 0.353 ppbv

RT: 9.95 min Scan# 2182

Delta R.T. -0.01 min

Lab File: VL032759.D

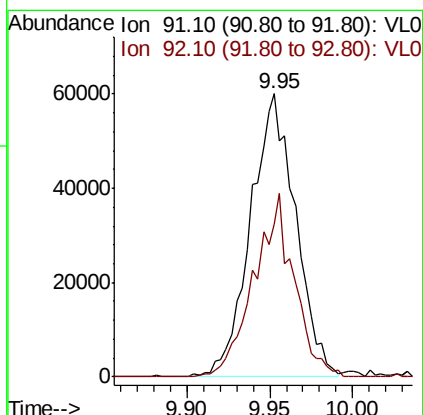
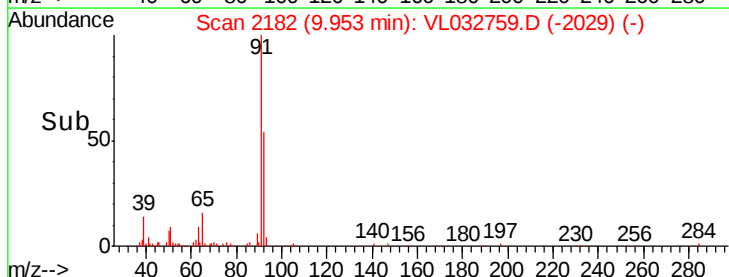
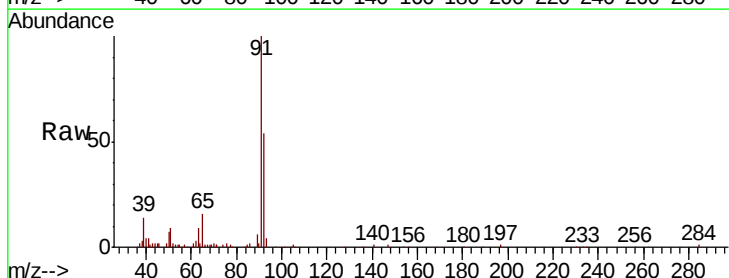
Acq: 14 Nov 2018 15:00

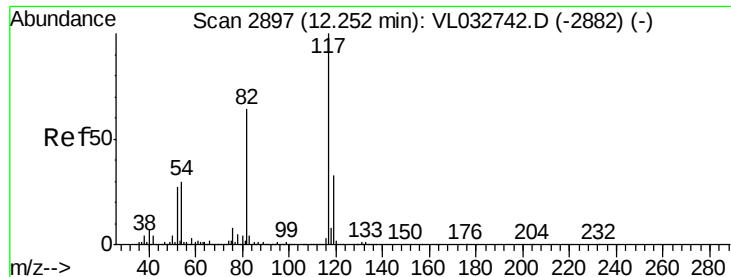
Tgt Ion: 91 Resp: 113459

Ion Ratio Lower Upper

91 100

92 57.8 47.9 71.9





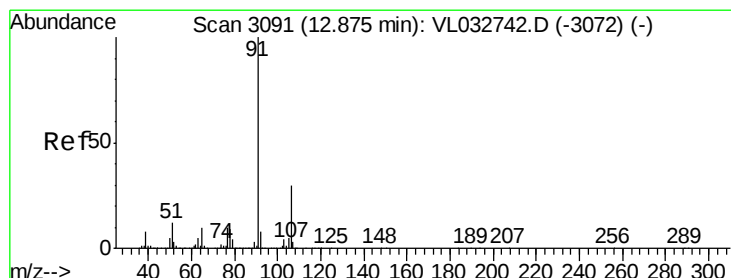
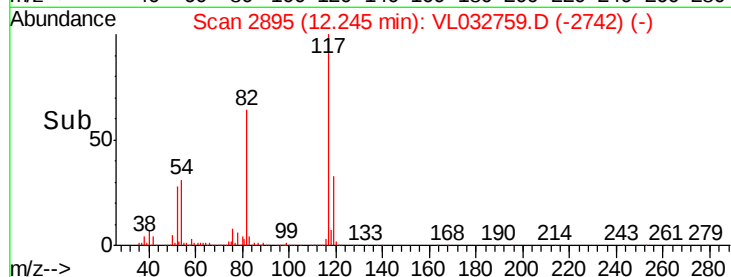
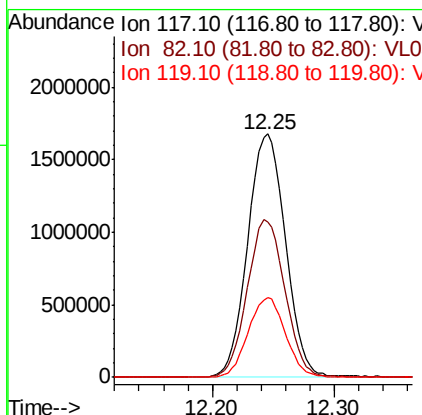
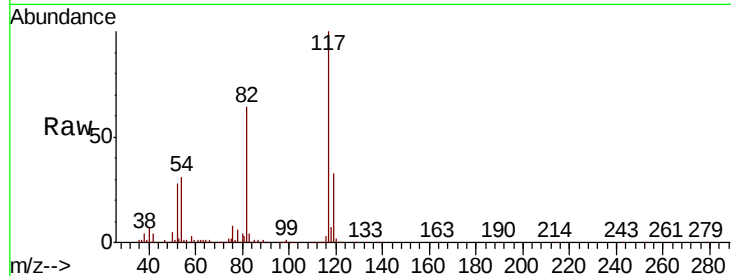
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL032759.D
Acq: 14 Nov 2018 15:00

Instrument :
MSVOA_L
ClientSampled :
SV1

Tot Ion:117 Resp: 3593149
Ion Ratio Lower Upper
117 100
82 65.1 51.0 76.6
119 32.7 28.0 42.0

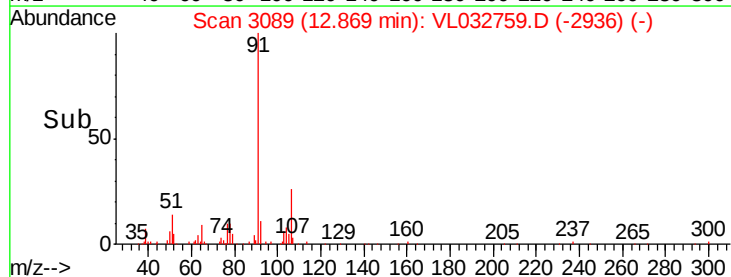
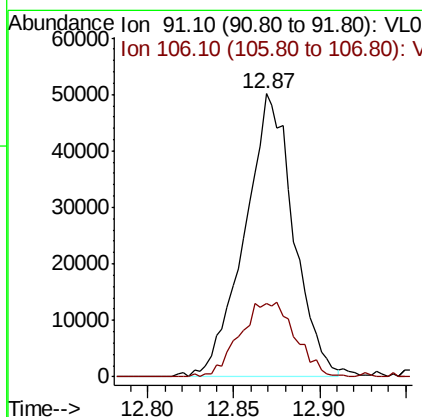
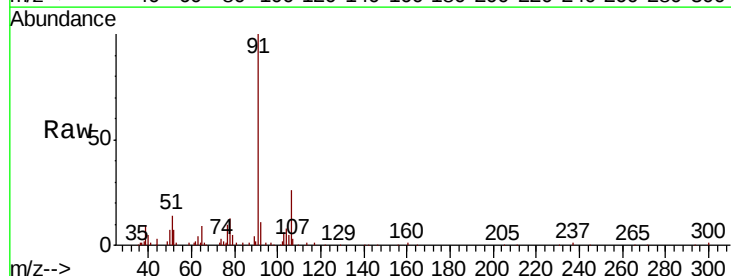
Manual Integrations
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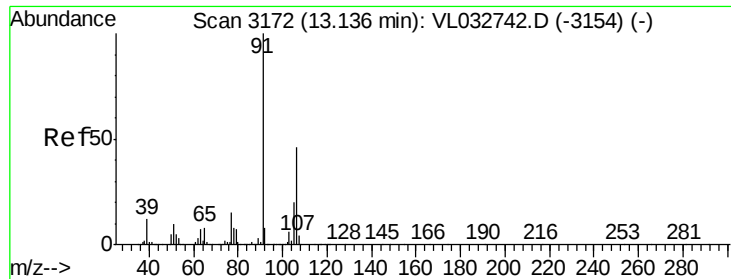
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#58
Ethyl Benzene
Concen: 0.226 ppbv
RT: 12.87 min Scan# 3089
Delta R.T. -0.01 min
Lab File: VL032759.D
Acq: 14 Nov 2018 15:00

Tgt Ion: 91 Resp: 97899
Ion Ratio Lower Upper
91 100
106 25.9 23.6 35.4





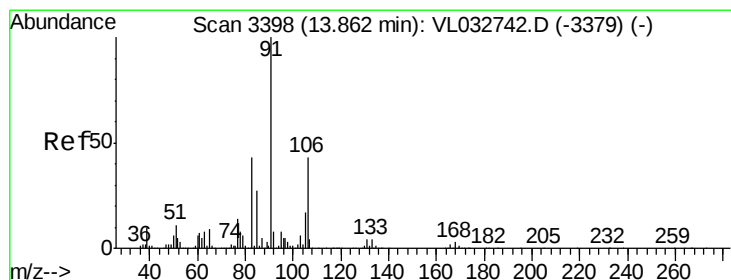
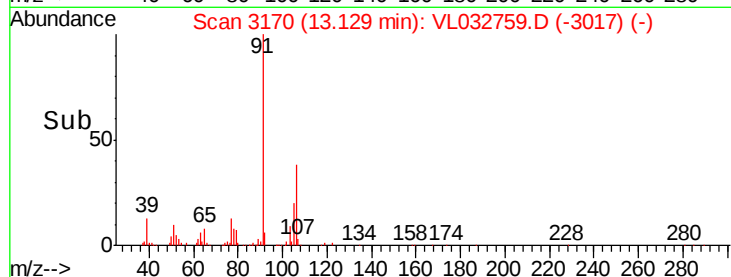
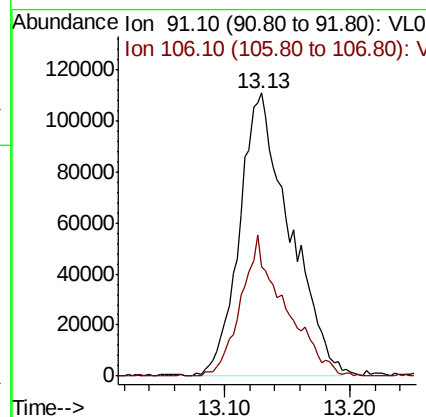
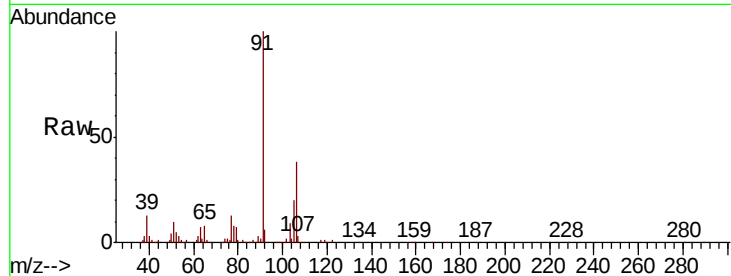
#59
m/p-Xylene
Concen: 0.797 ppbv
RT: 13.13 min Scan# 3170
Delta R.T. -0.01 min
Lab File: VL032759.D
Acq: 14 Nov 2018 15:00

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	43.8	36.1	54.1	

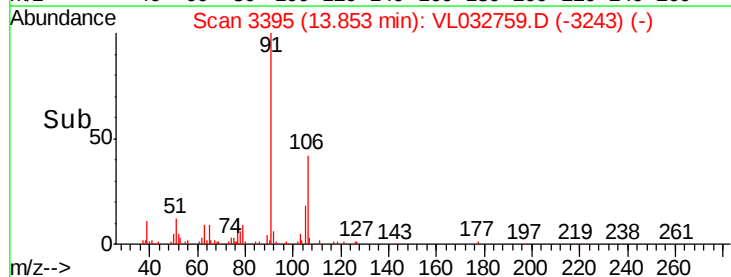
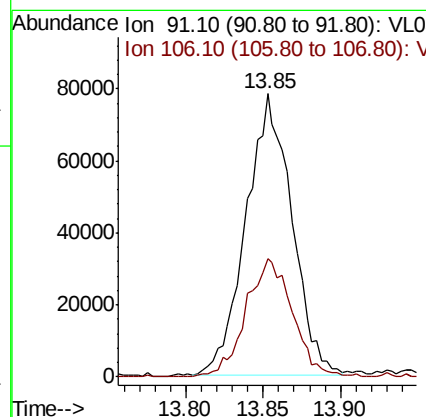
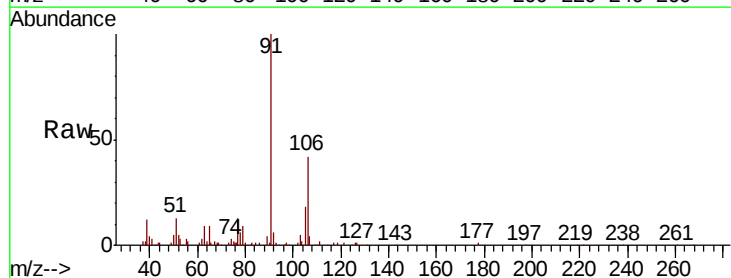
Manual Integrations
APPROVED

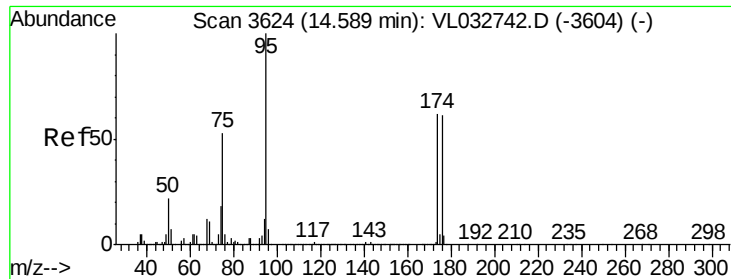
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#60
o-Xylene
Concen: 0.414 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.01 min
Lab File: VL032759.D
Acq: 14 Nov 2018 15:00

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
106	42.9	21.9	65.7	





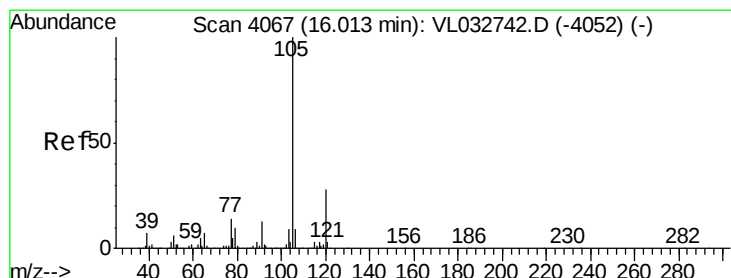
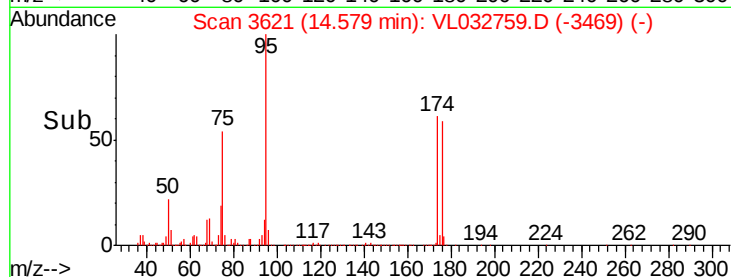
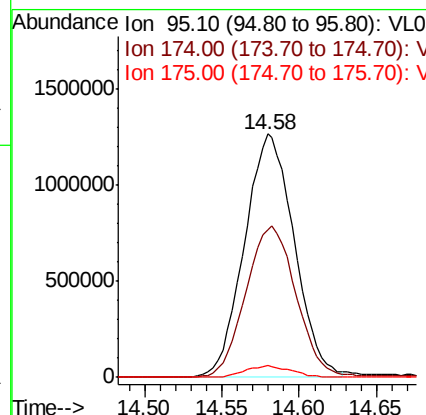
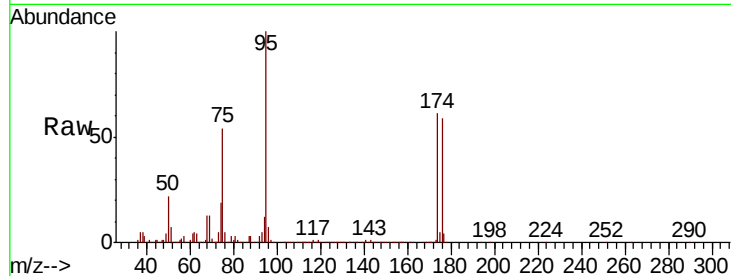
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.477 ppbv
 RT: 14.58 min Scan# 3621
 Delta R.T. -0.01 min
 Lab File: VL032759.D
 Acq: 14 Nov 2018 15:00

Instrument :
 MSVOA_L
 ClientSampled :
 SV1

Tot Ion: 95 Resp: 2815568
 Ion Ratio Lower Upper
 95 100
 174 64.1 50.7 76.1
 175 4.6 3.8 5.6

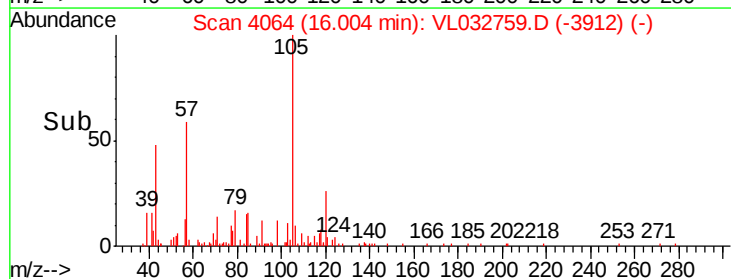
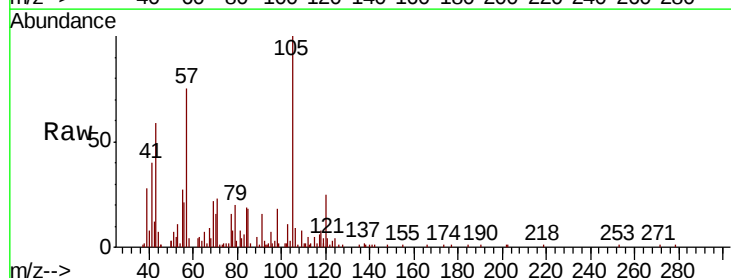
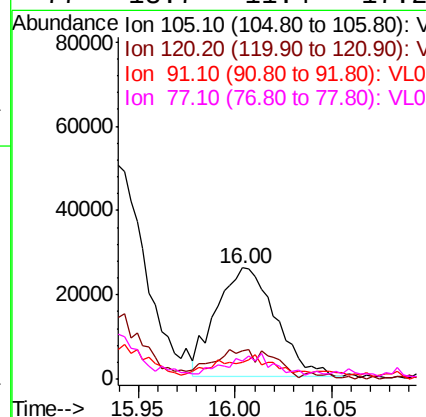
Manual Integrations
 APPROVED

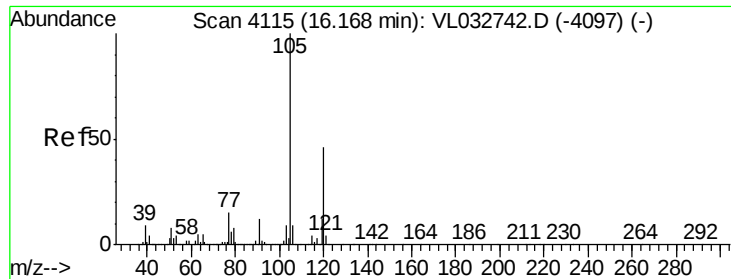
MMDadoda
 11/16/2018 1:29:58 PM



#72
 4-Ethyltoluene
 Concen: 0.129 ppbv
 RT: 16.00 min Scan# 4064
 Delta R.T. -0.01 min
 Lab File: VL032759.D
 Acq: 14 Nov 2018 15:00

Tgt Ion:105 Resp: 54792
 Ion Ratio Lower Upper
 105 100
 120 32.8 22.9 34.3
 91 17.1 10.6 15.8#
 77 13.7 11.4 17.2





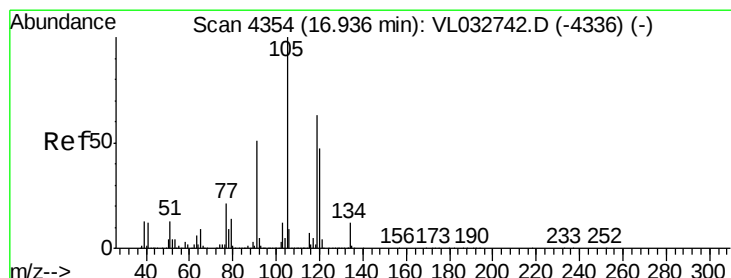
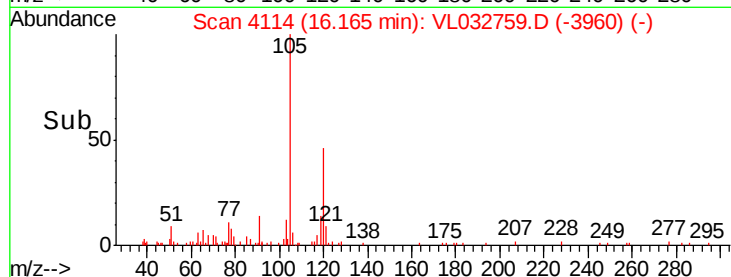
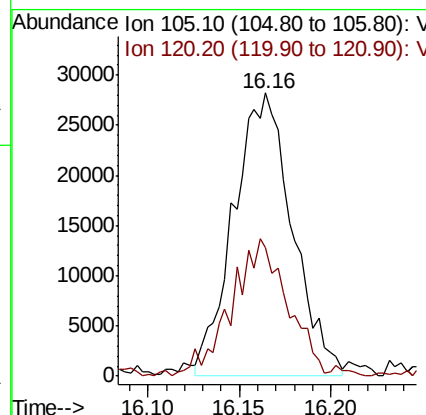
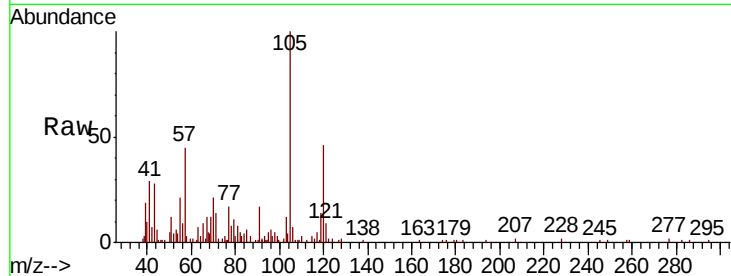
#73
 1,3,5-Trimethylbenzene
 Concen: 0.152 ppbv m
 RT: 16.16 min Scan# 4114
 Delta R.T. -0.00 min
 Lab File: VL032759.D
 Acq: 14 Nov 2018 15:00

Instrument :
 MSVOA_L
 ClientSampled :
 SV1

Tot Ion:105 Resp: 63057
 Ion Ratio Lower Upper
 105 100
 120 45.6 36.6 55.0

Manual Integrations
 APPROVED

MMDadoda
 11/16/2018 1:29:58 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.453 ppbv
 RT: 16.93 min Scan# 4352
 Delta R.T. -0.01 min
 Lab File: VL032759.D
 Acq: 14 Nov 2018 15:00

Tgt Ion:105 Resp: 201115
 Ion Ratio Lower Upper
 105 100
 120 39.2 37.6 56.4
 91 9.4 42.5 63.7#
 77 14.0 17.4 26.2#

