

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090518\
 Data File : VL032459.D
 Acq On : 5 Sep 2018 16:00
 Operator : SY/AP
 Sample : J4717-03DL 20X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-5DL

Manual Integrations
 APPROVED

MMDadoda
 9/7/2018 10:45:53 AM

Quant Time: Sep 06 15:58:00 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	5.80	49	1641453	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	3387886	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.29	117	3263025	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.62	95	2511326	10.37	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.70%

Target Compounds

						Ovalue
9) Propene	3.06	41	846157	14.12	ppbv	93
10) Heptane	8.29	43	31173	0.14	ppbv	86
13) Ethanol	3.69	45	57327m	3.07	ppbv	
15) Acetone	3.93	43	1822496	12.33	ppbv	98
16) 1,3-Butadiene	3.38	39	145234m	2.09	ppbv	
17) tert-Butyl alcohol	4.41	59	68930m	3.03	ppbv	
26) Hexane	5.82	57	168934	1.08	ppbv #	41
34) 2-Butanone	5.38	43	225131	1.00	ppbv	95
36) Benzene	7.05	78	69700	0.24	ppbv	94
52) Tetrachloroethene	11.42	164	19458m	0.22	ppbv	
53) Toluene	9.99	91	163264	0.54	ppbv	99
58) Ethyl Benzene	12.92	91	56733m	0.15	ppbv	
59) m/p-Xylene	13.17	91	160820m	0.46	ppbv	
60) o-Xylene	13.90	91	60989m	0.18	ppbv	
74) 1,2,4-Trimethylbenzene	16.97	105	78221	0.19	ppbv #	71

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

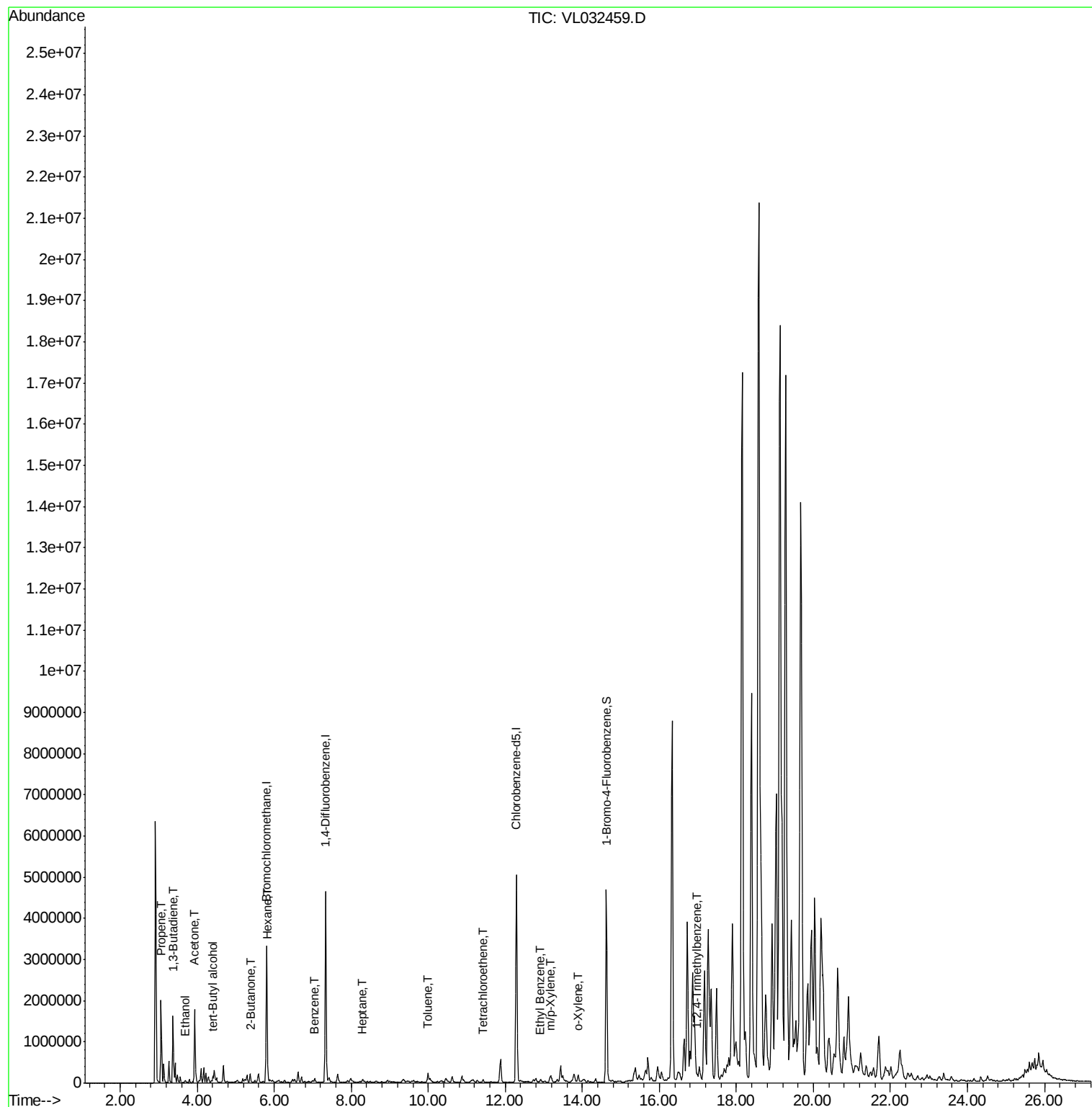
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL090518\
Data File : VL032459.D
Acq On : 5 Sep 2018 16:00
Operator : SY/AP
Sample : J4717-03DL 20X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

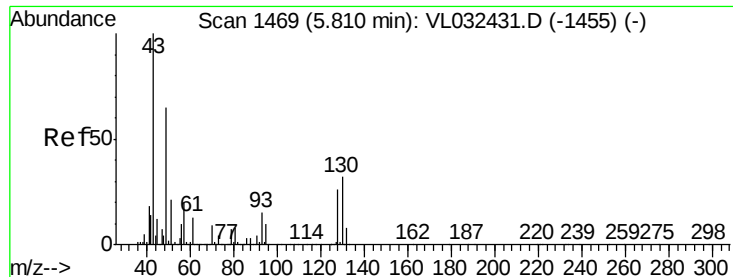
Instrument :
MSVOA_L
ClientSampleId :
VP-5DL

Manual Integrations
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9/7/2018 10:45:53 AM

Quant Time: Sep 06 15:58:00 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

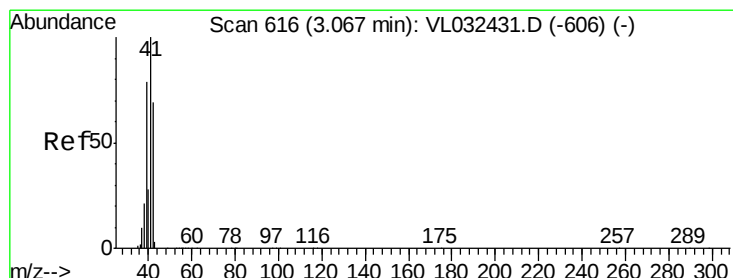
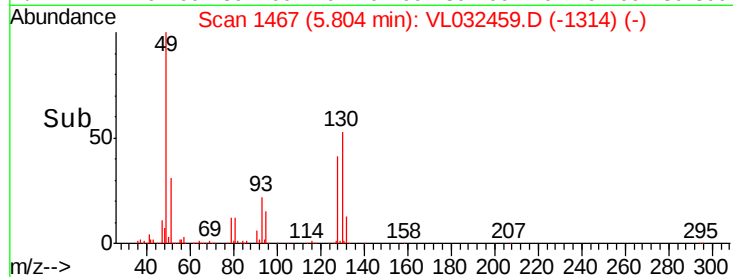
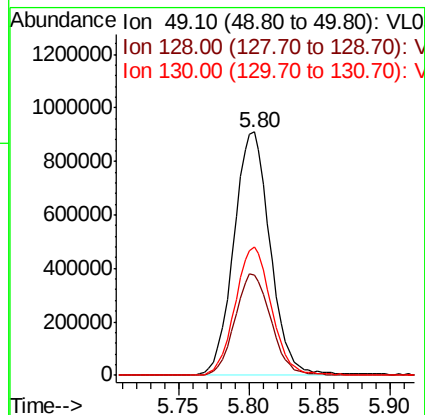
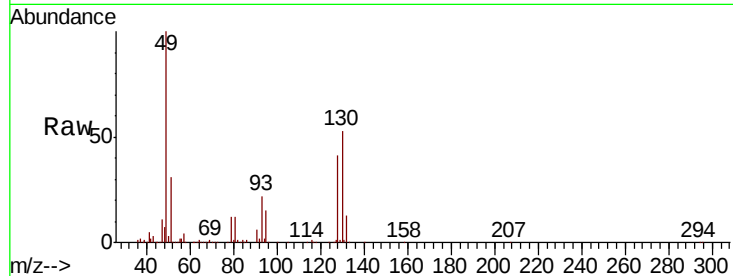
Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.80 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: VL032459.D
 Acq: 5 Sep 2018 16:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-5DL

Tot Ion: 49 Resp: 1641453
 Ion Ratio Lower Upper
 49 100
 128 41.8 20.7 62.1
 130 53.2 26.6 79.7

Manual Integrations
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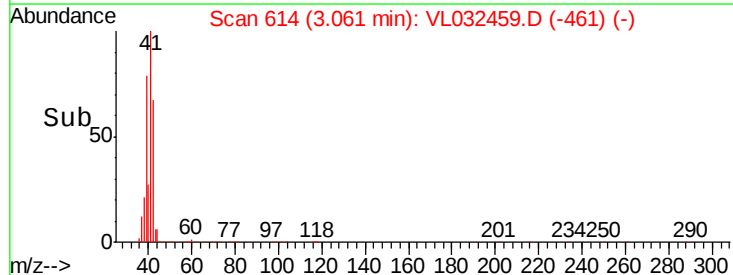
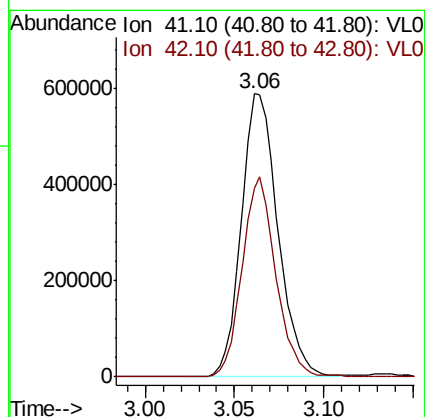
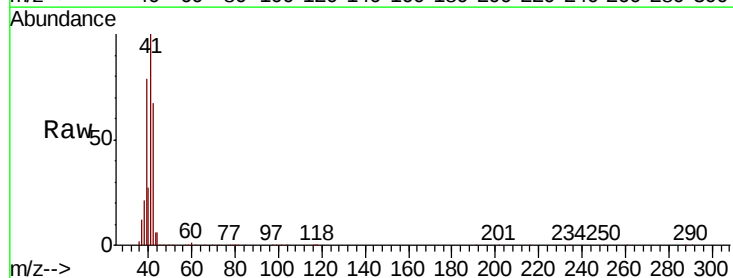
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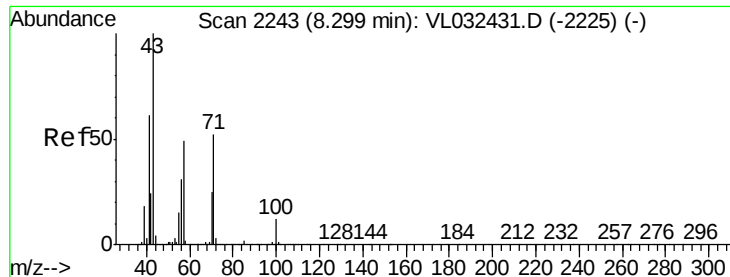


#9

Propene
 Concen: 14.12 ppbv
 RT: 3.06 min Scan# 614
 Delta R.T. -0.01 min
 Lab File: VL032459.D
 Acq: 5 Sep 2018 16:00

Tgt Ion: 41 Resp: 846157
 Ion Ratio Lower Upper
 41 100
 42 65.2 56.6 84.8





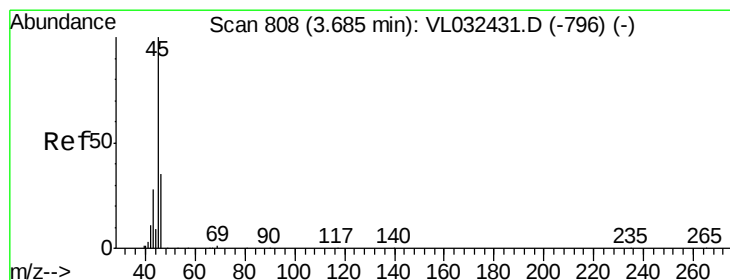
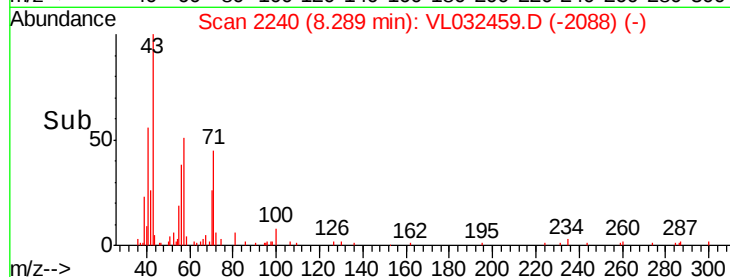
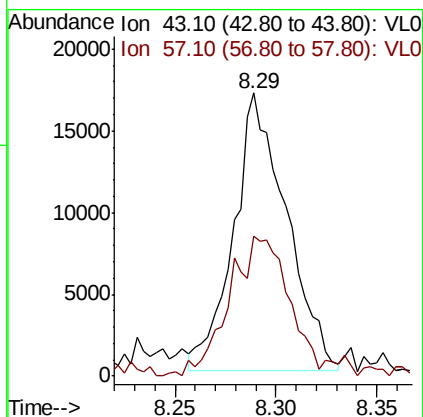
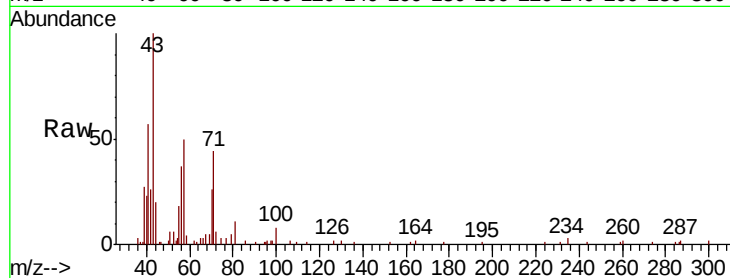
#10
Heptane
Concen: 0.14 ppbv
RT: 8.29 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VL032459.D
Acq: 5 Sep 2018 16:00

Instrument :
MSVOA_L
ClientSampled :
VP-5DL

Tot Ion	43	Resp	31173
Ion	Ratio	Lower	Upper
43	100		
57	58.9	39.6	59.4

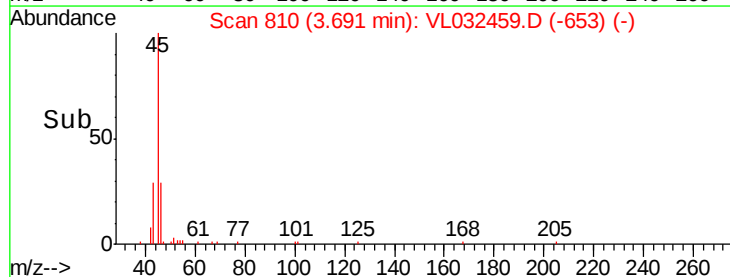
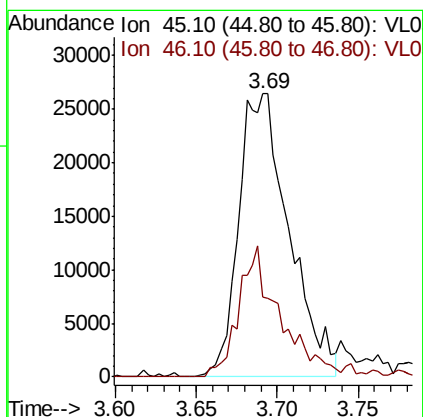
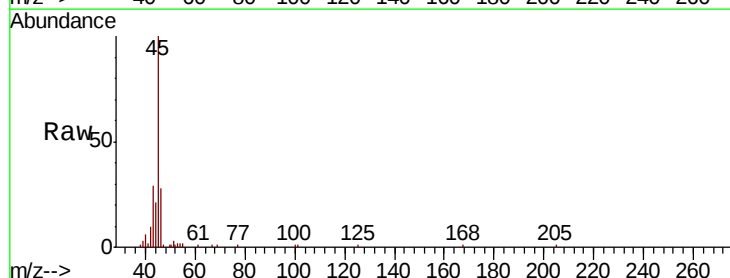
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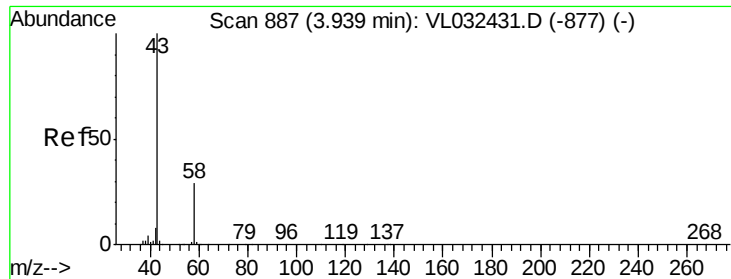
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#13
Ethanol
Concen: 3.07 ppbv m
RT: 3.69 min Scan# 810
Delta R.T. 0.01 min
Lab File: VL032459.D
Acq: 5 Sep 2018 16:00

Tgt Ion	45	Resp	57327
Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.2	56.8#





#15

Acetone

Concen: 12.33 ppbv

RT: 3.93 min Scan# 885

Delta R.T. -0.01 min

Lab File: VL032459.D

Acq: 5 Sep 2018 16:00

Instrument :

MSVOA_L

ClientSampled :

VP-5DL

Tot Ion: 43 Resp: 1822496

Ion Ratio Lower Upper

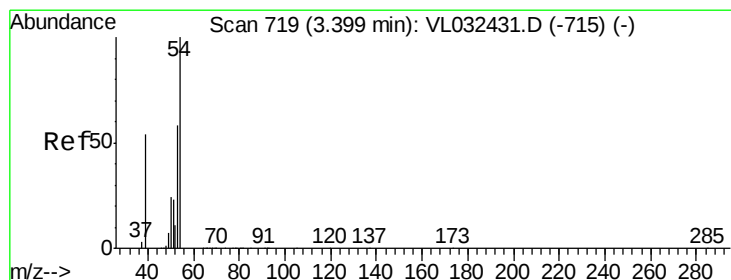
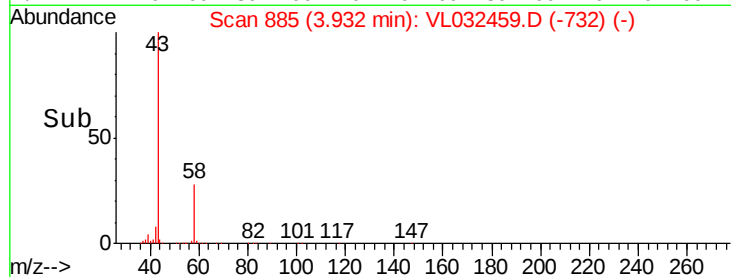
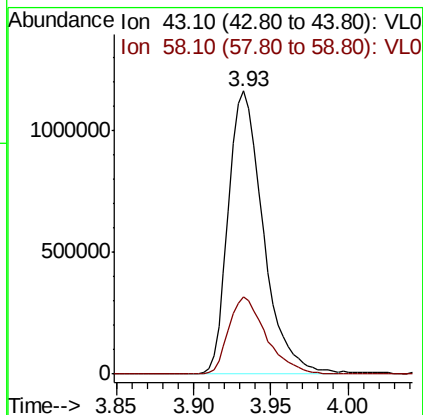
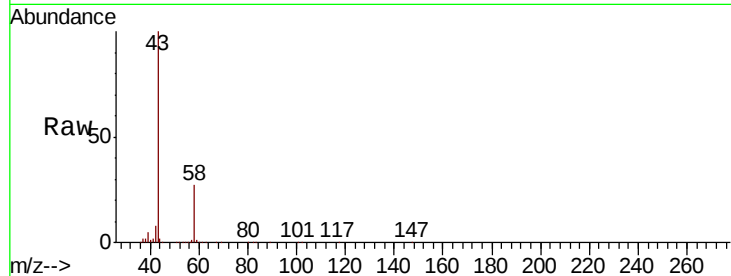
43 100

58 29.5 22.6 33.8

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#16

1,3-Butadiene

Concen: 2.09 ppbv m

RT: 3.38 min Scan# 713

Delta R.T. -0.02 min

Lab File: VL032459.D

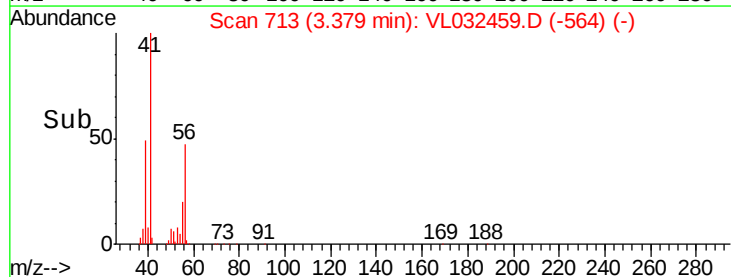
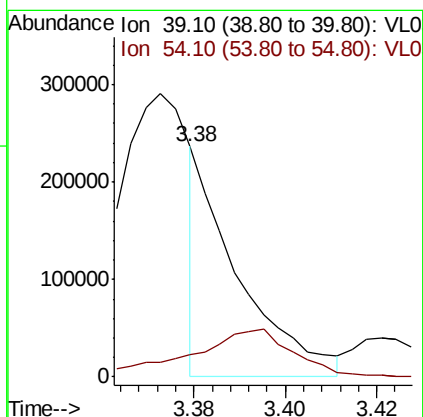
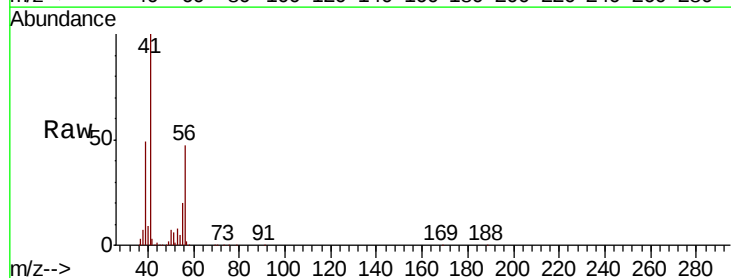
Acq: 5 Sep 2018 16:00

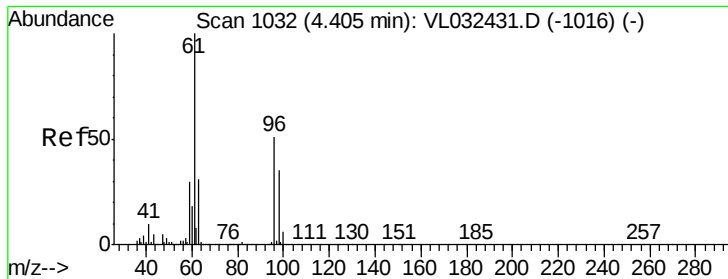
Tgt Ion: 39 Resp: 145234

Ion Ratio Lower Upper

39 100

54 53.3 80.8 121.2#





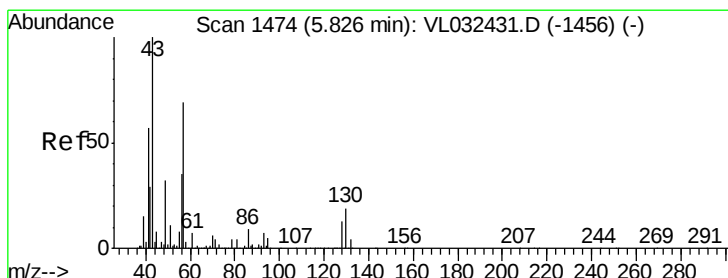
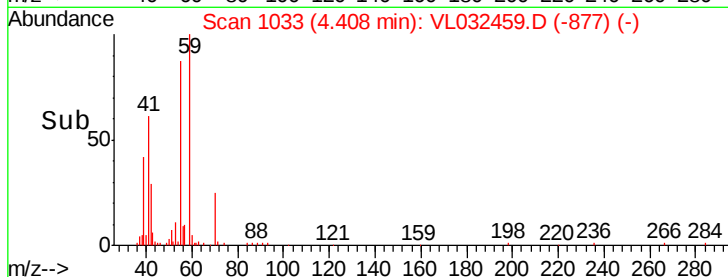
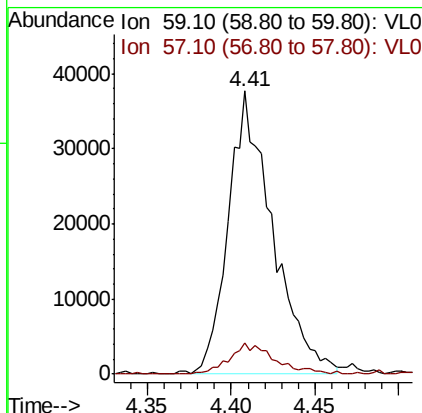
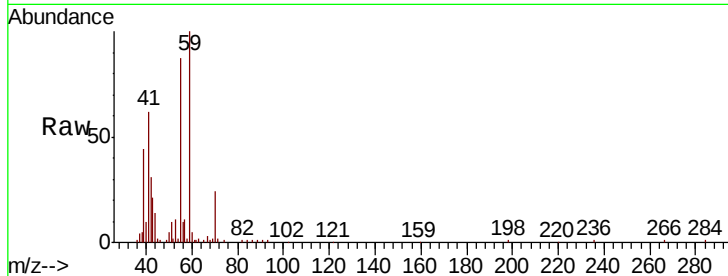
#17
tert-Butyl alcohol
Concen: 3.03 ppbv m
RT: 4.41 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VL032459.D
Acq: 5 Sep 2018 16:00

Instrument :
MSVOA_L
ClientSampleId :
VP-5DL

Tot Ion: 59 Resp: 68930
Ion Ratio Lower Upper
59 100
57 11.2 0.0 0.0#

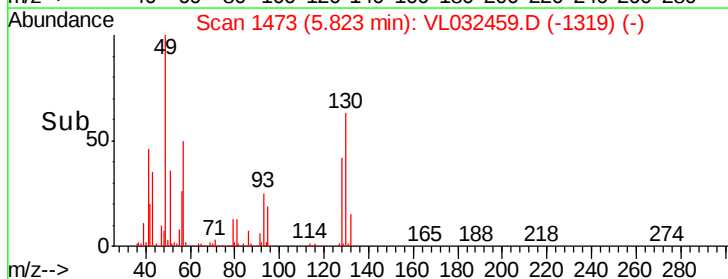
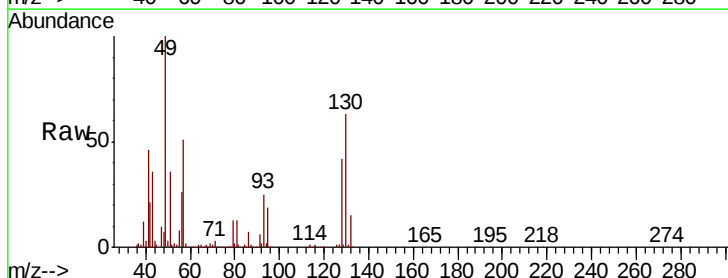
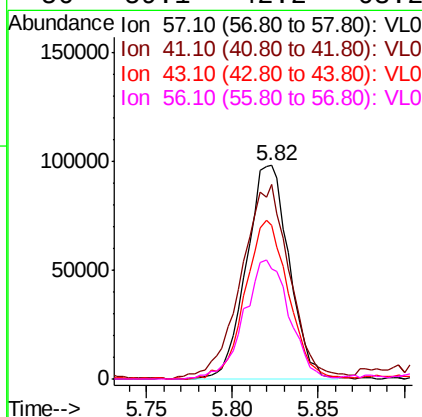
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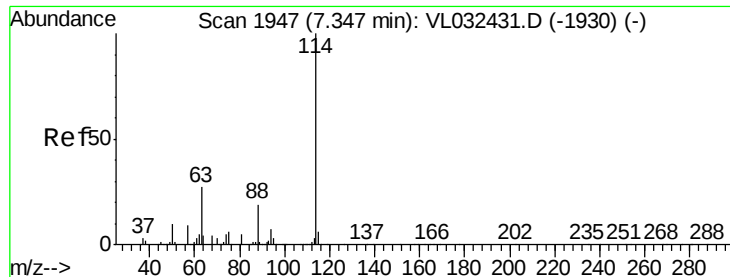
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#26
Hexane
Concen: 1.08 ppbv
RT: 5.82 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VL032459.D
Acq: 5 Sep 2018 16:00

Tgt Ion: 57 Resp: 168934
Ion Ratio Lower Upper
57 100
41 101.2 69.0 103.4
43 74.8 172.1 258.1#
56 59.1 42.2 63.2





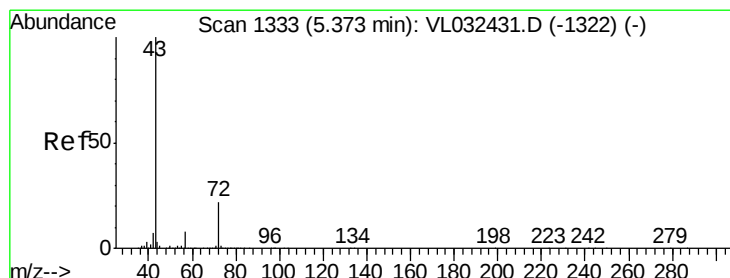
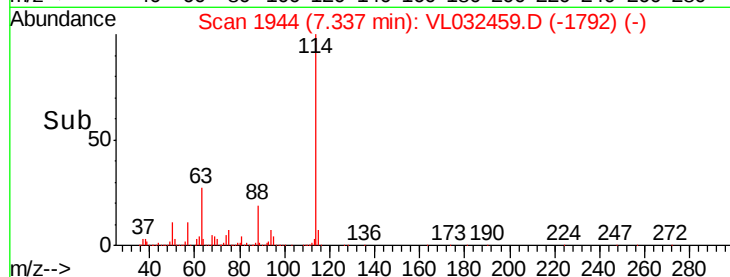
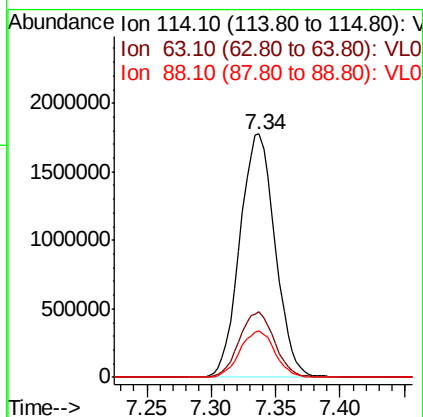
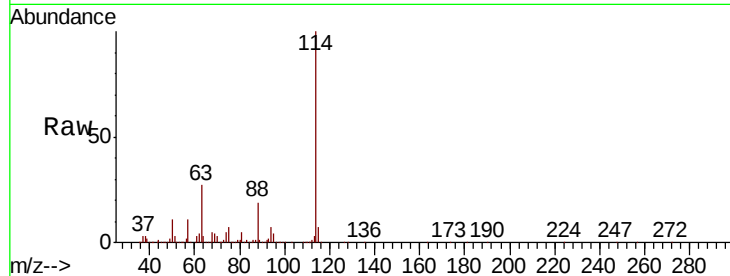
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.34 min Scan# 1944
 Delta R.T. -0.01 min
 Lab File: VL032459.D
 Acq: 5 Sep 2018 16:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-5DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.9	22.2	33.4
88	19.0	15.0	22.4

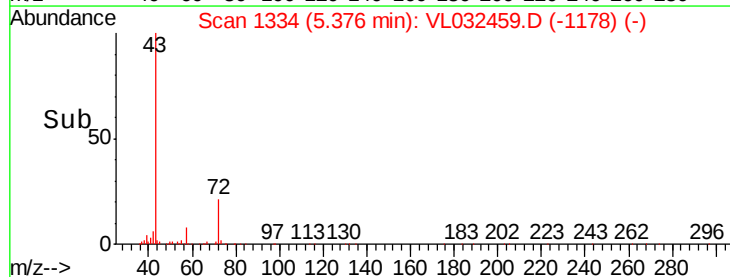
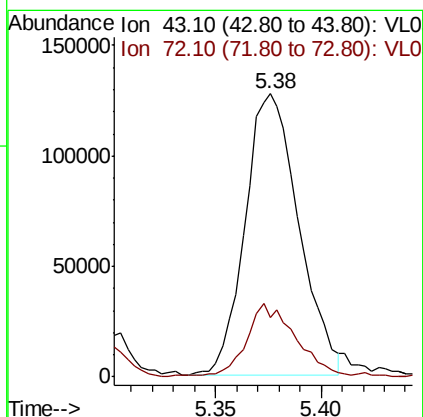
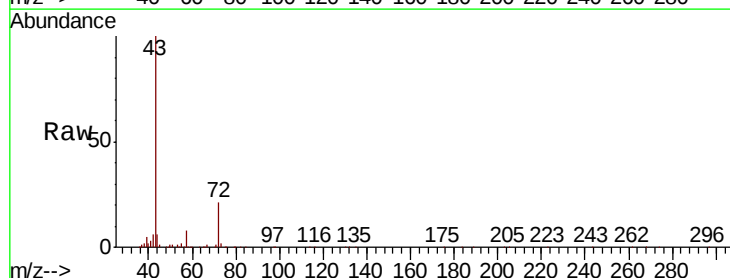
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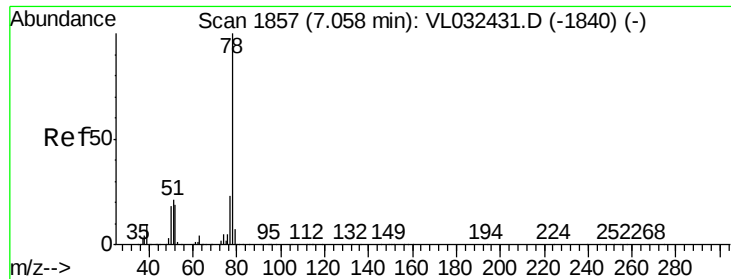
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#34
 2-Butanone
 Concen: 1.00 ppbv
 RT: 5.38 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VL032459.D
 Acq: 5 Sep 2018 16:00

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.5	17.8	26.6





#36

Benzene

Concen: 0.24 ppbv

RT: 7.05 min Scan# 1855

Delta R.T. -0.01 min

Lab File: VL032459.D

Acq: 5 Sep 2018 16:00

Instrument :

MSVOA_L

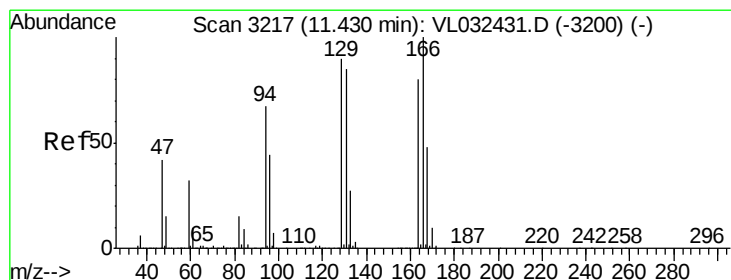
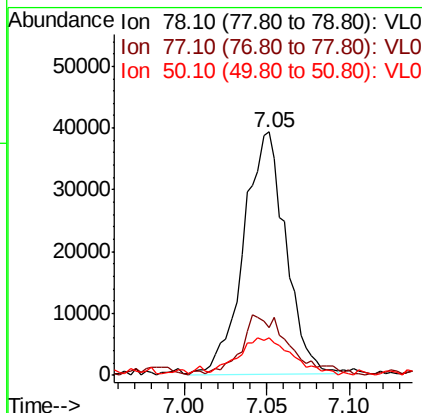
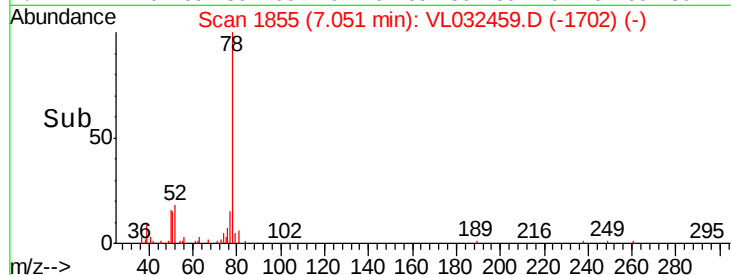
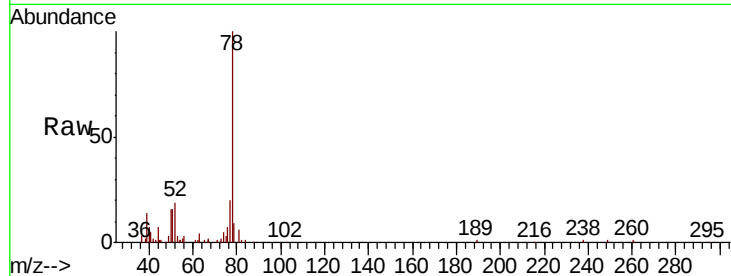
ClientSampled :

VP-5DL

Tot Ion:	78	Resp:	69700
Ion	Ratio	Lower	Upper
78	100		
77	19.9	18.4	27.6
50	15.9	14.4	21.6

Manual Integrations
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#52

Tetrachloroethene

Concen: 0.22 ppbv m

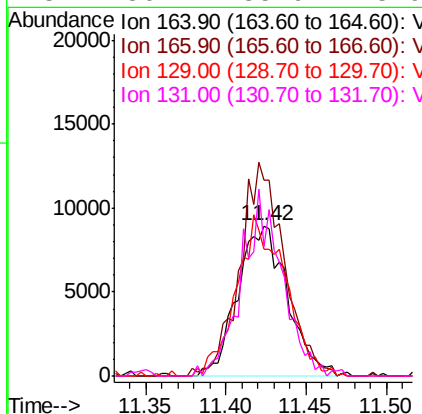
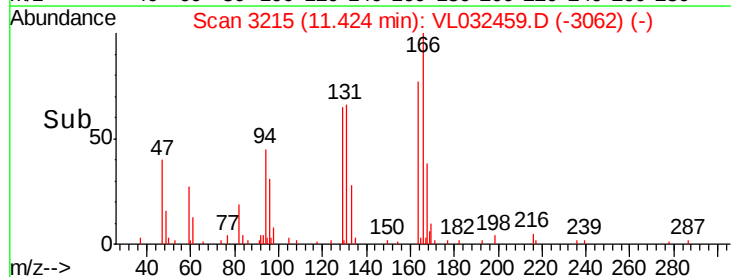
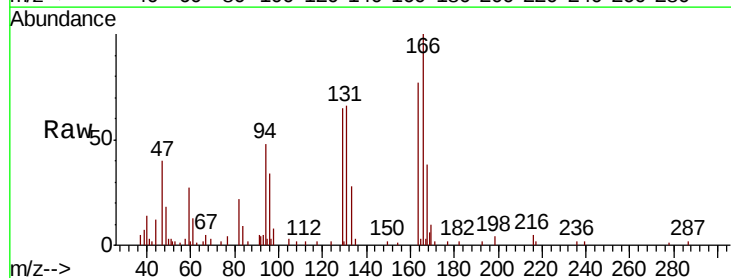
RT: 11.42 min Scan# 3215

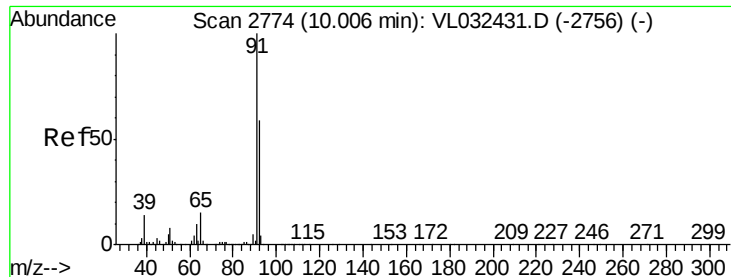
Delta R.T. -0.01 min

Lab File: VL032459.D

Acq: 5 Sep 2018 16:00

Tgt Ion:	164	Resp:	19458
Ion	Ratio	Lower	Upper
164	100		
166	130.3	100.6	150.8
129	84.2	89.9	134.9#
131	86.4	85.9	128.9





#53

Toluene

Concen: 0.54 ppbv

RT: 9.99 min Scan# 2770

Delta R.T. -0.01 min

Lab File: VL032459.D

Acq: 5 Sep 2018 16:00

Instrument :

MSVOA_L

ClientSampleId :

VP-5DL

Tot Ion: 91 Resp: 163264

Ion Ratio Lower Upper

91 100

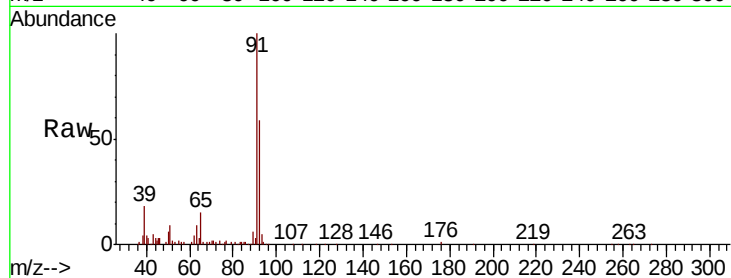
92 60.9 48.1 72.1

Manual Integrations

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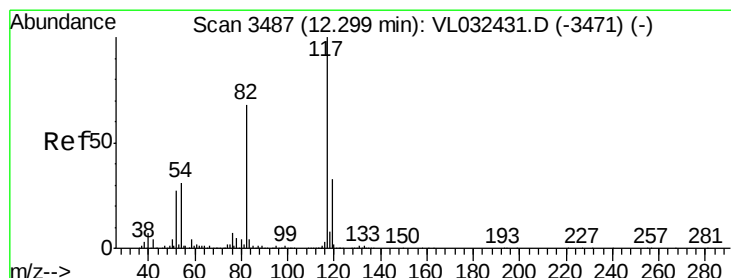
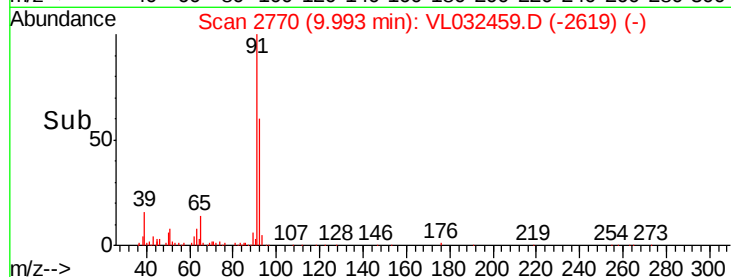
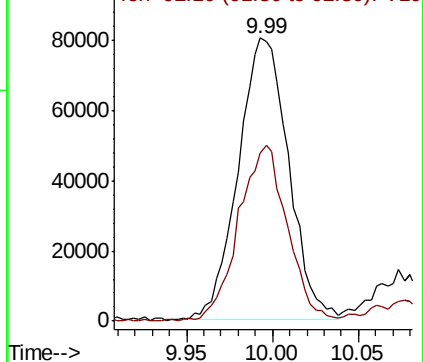
MMDadoda

9/7/2018 10:45:53 AM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.29 min Scan# 3484

Delta R.T. -0.01 min

Lab File: VL032459.D

Acq: 5 Sep 2018 16:00

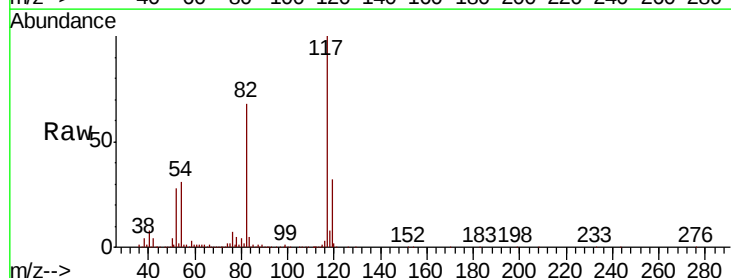
Tgt Ion: 117 Resp: 3263025

Ion Ratio Lower Upper

117 100

82 68.7 53.0 79.6

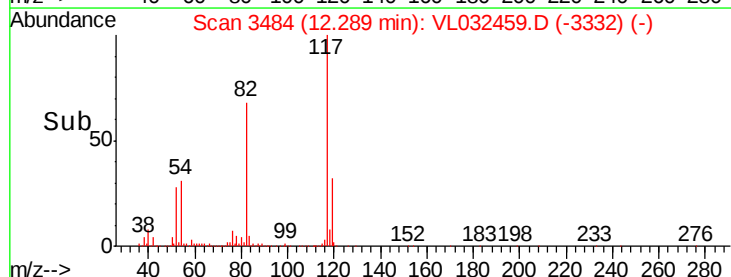
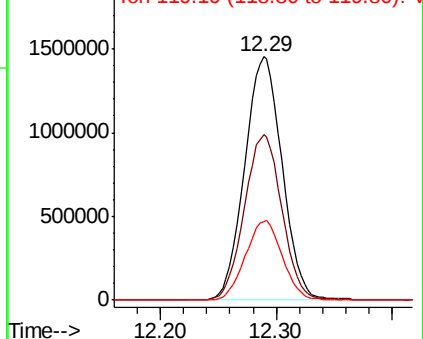
119 32.5 45.9 68.9#

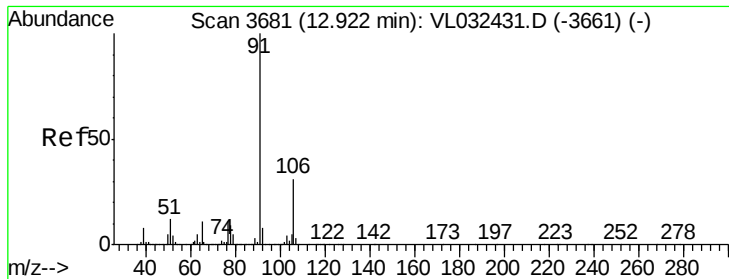


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#58

Ethyl Benzene

Concen: 0.15 ppbv m

RT: 12.92 min Scan# 3679

Delta R.T. -0.01 min

Lab File: VL032459.D

Acq: 5 Sep 2018 16:00

Instrument :

MSVOA_L

ClientSampled :

VP-5DL

Tot Ion: 91 Resp: 56733

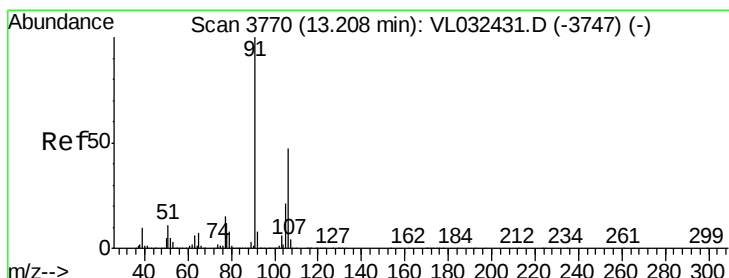
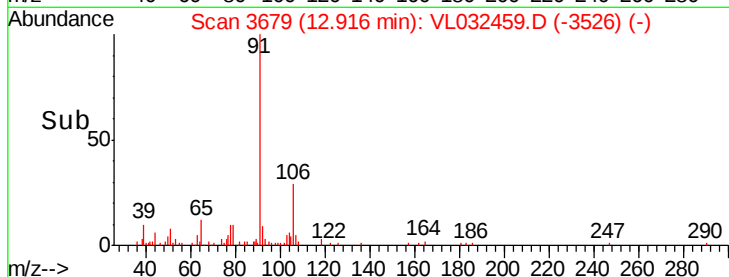
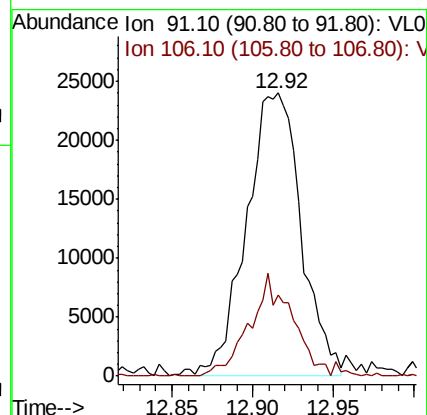
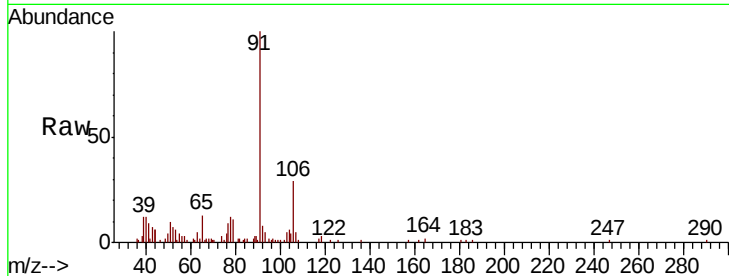
Ion Ratio Lower Upper

91 100

106 28.7 24.8 37.2

Manual Integrations
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#59

m/p-Xylene

Concen: 0.46 ppbv m

RT: 13.17 min Scan# 3758

Delta R.T. -0.04 min

Lab File: VL032459.D

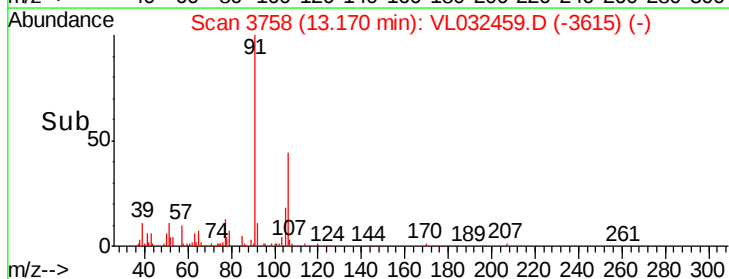
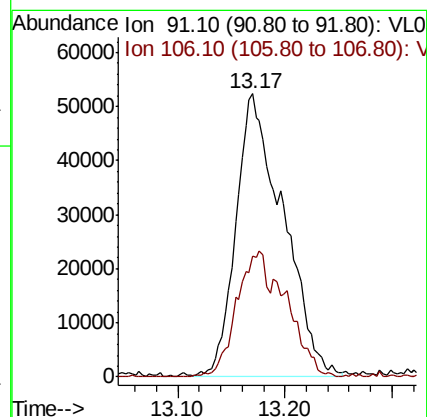
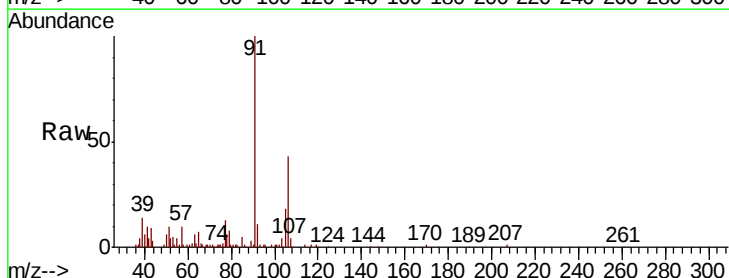
Acq: 5 Sep 2018 16:00

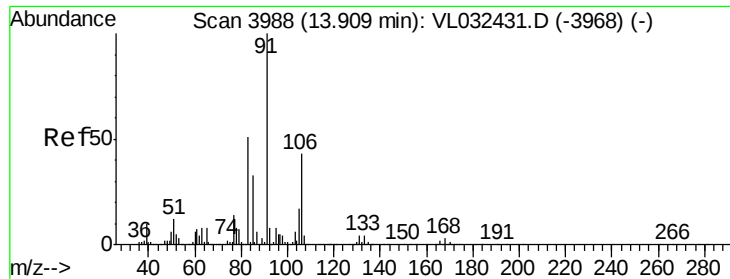
Tgt Ion: 91 Resp: 160820

Ion Ratio Lower Upper

91 100

106 0.0 36.6 55.0#





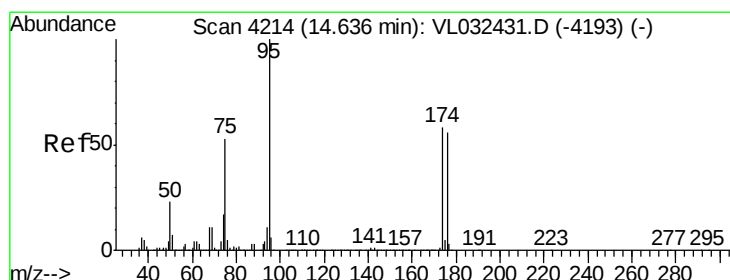
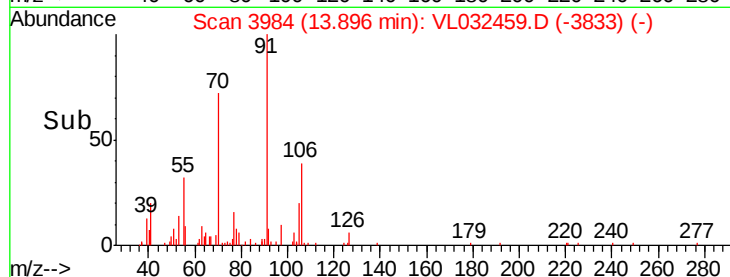
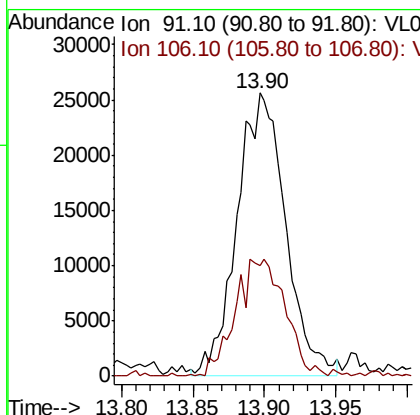
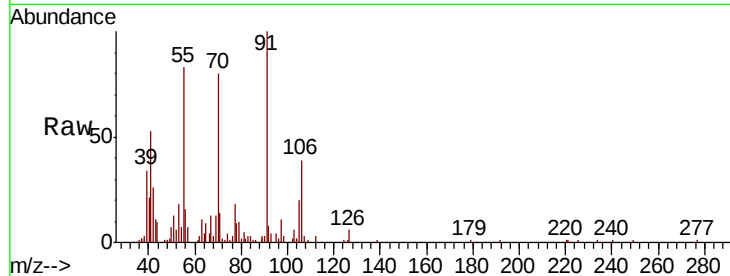
#60
o-Xylene
Concen: 0.18 ppbv m
RT: 13.90 min Scan# 3984
Delta R.T. -0.01 min
Lab File: VL032459.D
Acq: 5 Sep 2018 16:00

Instrument :
MSVOA_L
ClientSampled :
VP-5DL

Tot Ion: 91 Resp: 60989
Ion Ratio Lower Upper
91 100
106 0.0 21.9 65.7#

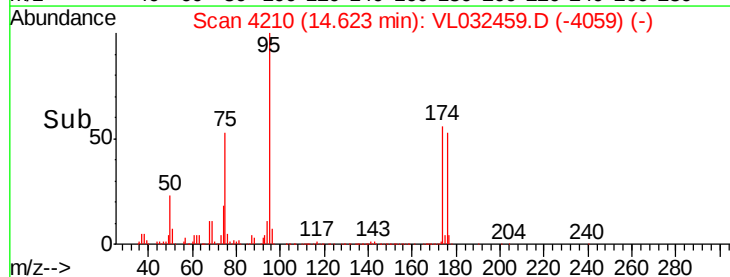
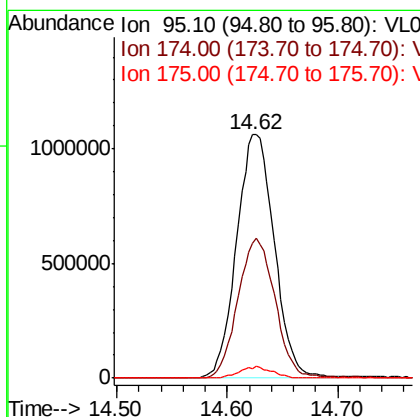
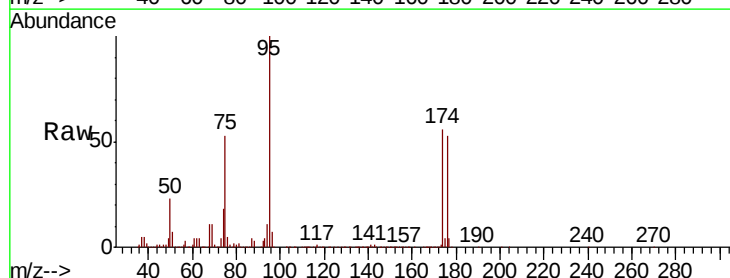
Manual Integrations
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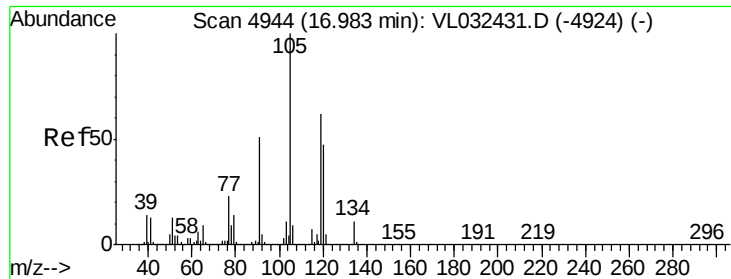
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.37 ppbv
RT: 14.62 min Scan# 4210
Delta R.T. -0.01 min
Lab File: VL032459.D
Acq: 5 Sep 2018 16:00

Tgt Ion: 95 Resp: 2511326
Ion Ratio Lower Upper
95 100
174 57.3 46.3 69.5
175 4.2 3.4 5.0





#74
 1,2,4-Trimethylbenzene
 Concen: 0.19 ppbv
 RT: 16.97 min Scan# 4941
 Delta R.T. -0.01 min
 Lab File: VL032459.D
 Acq: 5 Sep 2018 16:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-5DL

Tot Ion	Ratio	Resp Lower	Upper
105	100		
120	41.6	37.8	56.8
91	14.9	41.4	62.0
77	13.4	18.6	28.0

Manual Integrations
 APPROVED

MMDadoda
 9/7/2018 10:45:53 AM

