

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112918\
 Data File : VL032837.D
 Acq On : 29 Nov 2018 16:41
 Operator : SY/AP
 Sample : J6088-01DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IAS-1DL

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Quant Time: Nov 30 07:14:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 14 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	5.77	49	1482846	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3773832	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3564076	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2735938	10.26	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.02	51	70287m	0.598	ppbv	
13) Ethanol	3.67	45	68648	4.455	ppbv	98
15) Acetone	3.91	43	443873	3.278	ppbv	97
19) Isopropyl Alcohol	4.06	45	53033	0.588	ppbv #	95
20) Methylene Chloride	4.42	84	47960	0.684	ppbv	84
26) Hexane	5.79	57	111029	0.790	ppbv #	44
34) 2-Butanone	5.35	43	49424m	0.253	ppbv	
38) Trichloroethene	7.97	130	8567	0.070	ppbv #	87
52) Tetrachloroethene	11.39	164	6722m	0.064	ppbv	
53) Toluene	9.96	91	227314	0.725	ppbv	98
59) m/p-Xylene	13.13	91	45636m	0.120	ppbv	

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

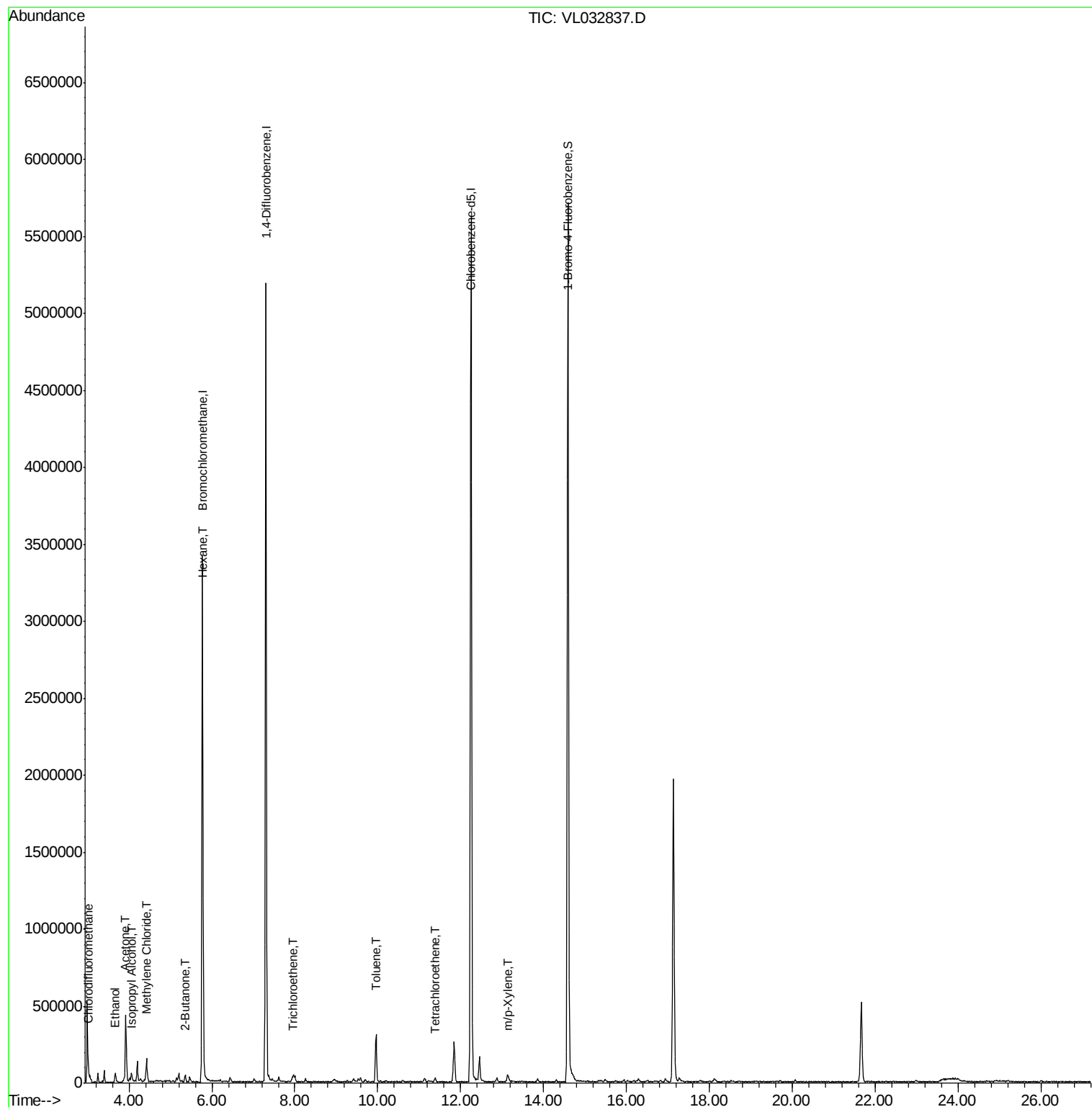
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL112918\
Data File : VL032837.D
Acq On : 29 Nov 2018 16:41
Operator : SY/AP
Sample : J6088-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

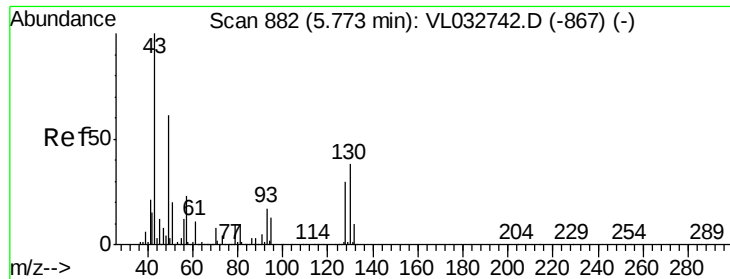
Instrument :
MSVOA_L
ClientSampleId :
IAS-1DL

Manual Integrations
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Quant Time: Nov 30 07:14:26 2018
Quant Method : Z:\V0ASRV\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

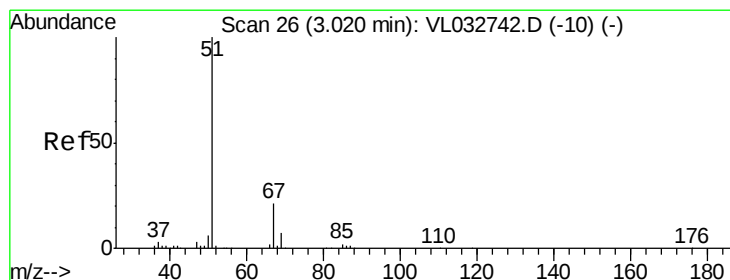
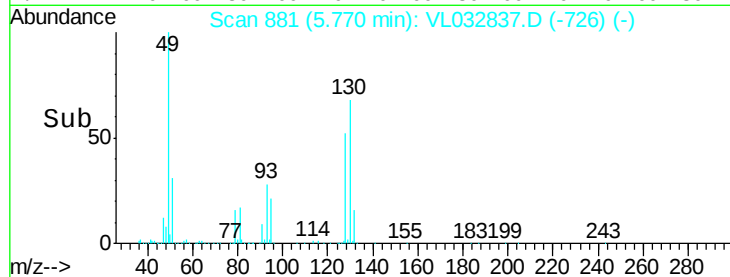
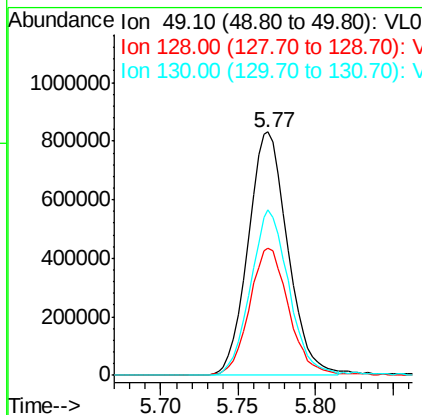
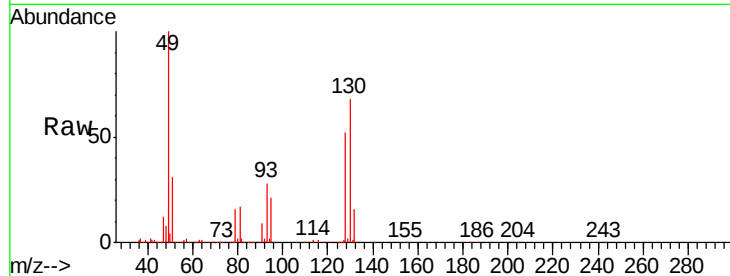
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.77 min Scan# 881
 Delta R.T. -0.00 min
 Lab File: VL032837.D
 Acq: 29 Nov 2018 16:41

Instrument :
 MSVOA_L
 ClientSampled :
 IAS-1DL

Tgt Ion: 49 Resp: 1482846
 Ion Ratio Lower Upper
 49 100
 128 52.7 24.9 74.6
 130 66.8 31.4 94.2

Manual Integrations
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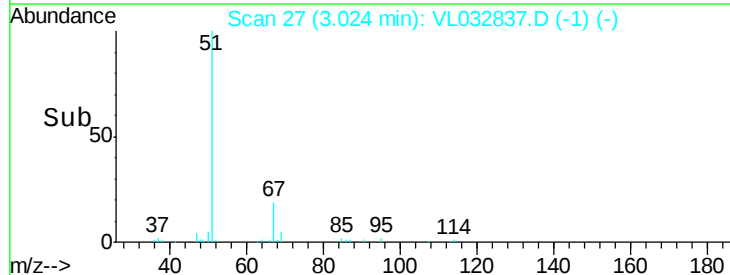
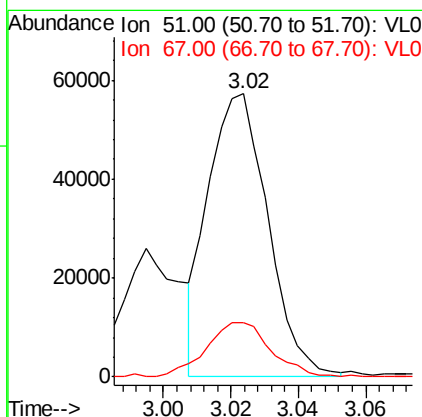
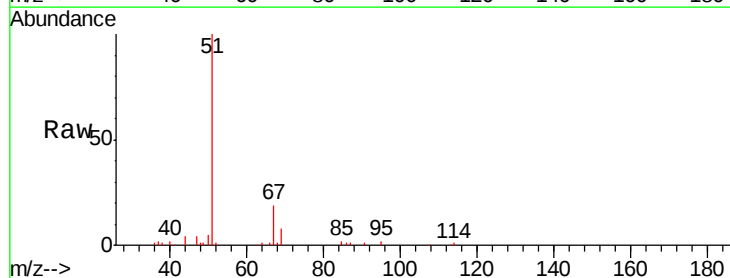
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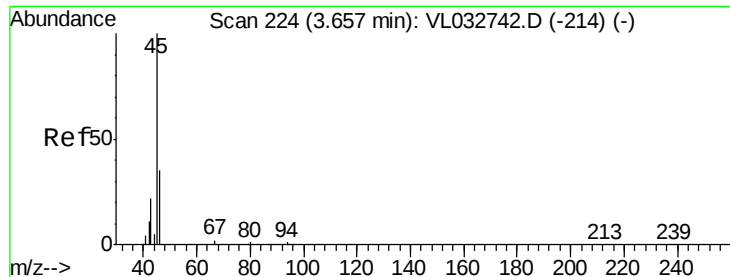


#3

Chlorodifluoromethane
 Concen: 0.598 ppbv m
 RT: 3.02 min Scan# 27
 Delta R.T. 0.00 min
 Lab File: VL032837.D
 Acq: 29 Nov 2018 16:41

Tgt Ion: 51 Resp: 70287
 Ion Ratio Lower Upper
 51 100
 67 21.2 16.1 24.1





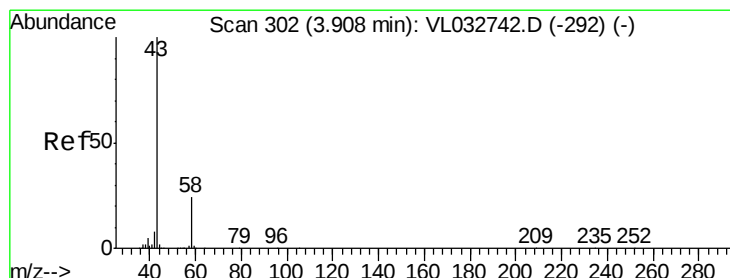
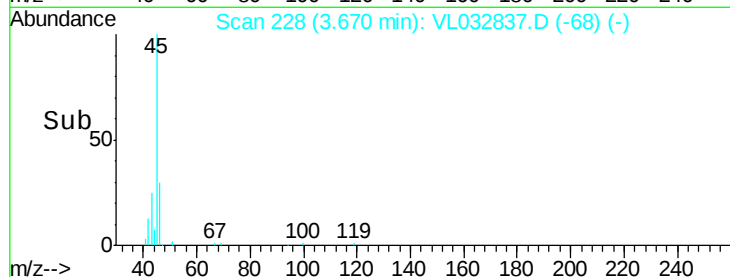
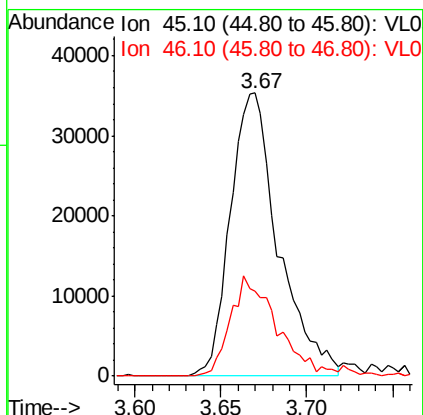
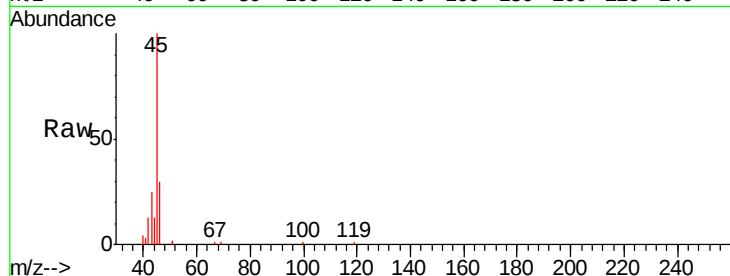
#13
Ethanol
Concen: 4.455 ppbv
RT: 3.67 min Scan# 228
Delta R.T. 0.01 min
Lab File: VL032837.D
Acq: 29 Nov 2018 16:41

Instrument :
MSVOA_L
ClientSampleId :
IAS-1DL

Tgt Ion: 45 Resp: 68648
Ion Ratio Lower Upper
45 100
46 35.0 14.5 57.9

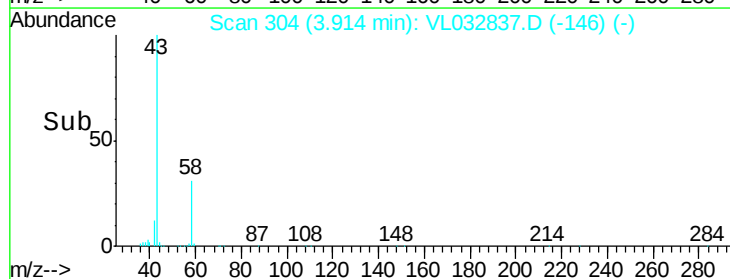
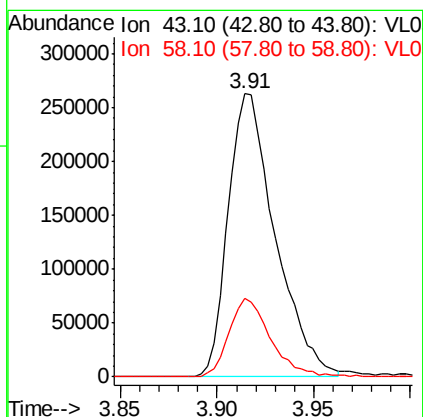
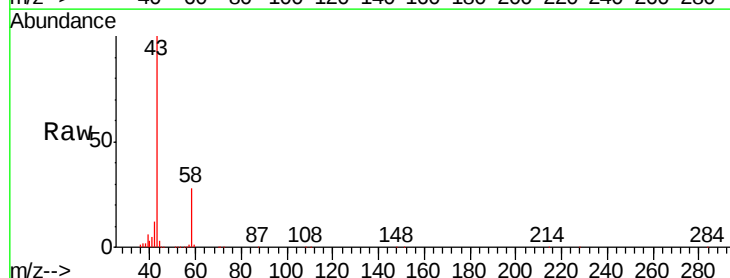
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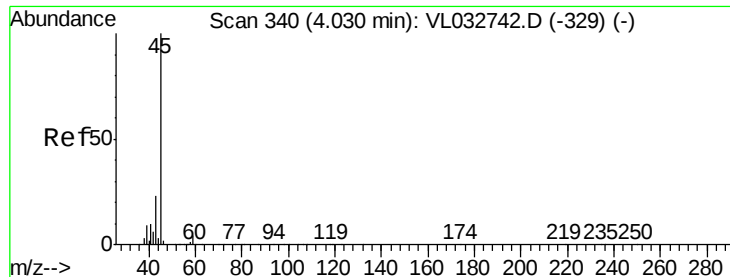
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#15
Acetone
Concen: 3.278 ppbv
RT: 3.91 min Scan# 304
Delta R.T. 0.01 min
Lab File: VL032837.D
Acq: 29 Nov 2018 16:41

Tgt Ion: 43 Resp: 443873
Ion Ratio Lower Upper
43 100
58 24.9 21.1 31.7





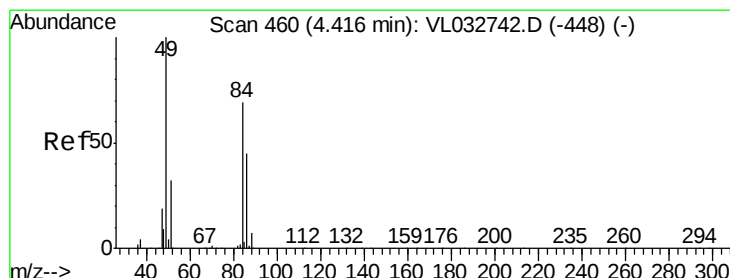
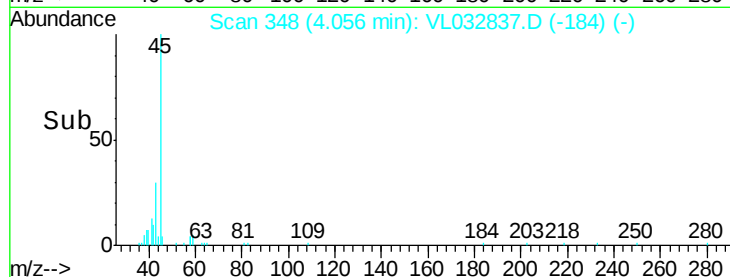
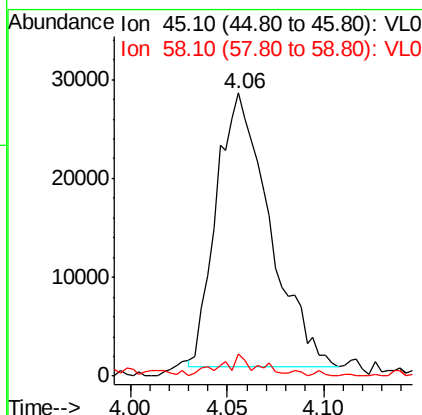
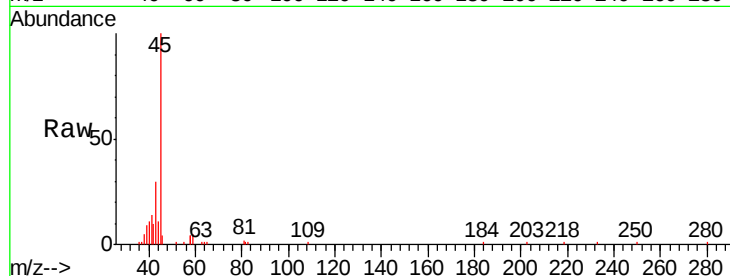
#19
Isopropyl Alcohol
Concen: 0.588 ppbv
RT: 4.06 min Scan# 348
Delta R.T. 0.03 min
Lab File: VL032837.D
Acq: 29 Nov 2018 16:41

Instrument :
MSVOA_L
ClientSampleId :
IAS-1DL

Tgt Ion: 45 Resp: 53033
Ion Ratio Lower Upper
45 100
58 0.0 1.4 2.0#

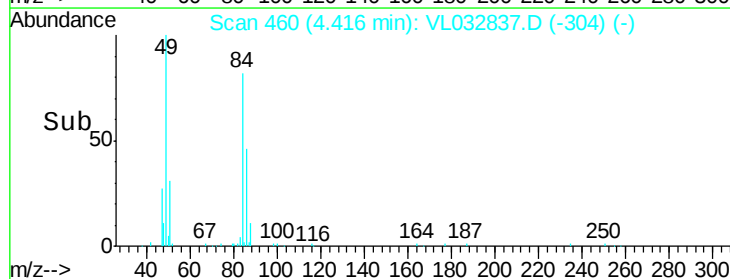
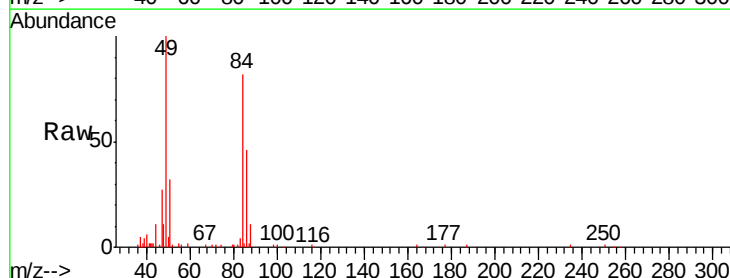
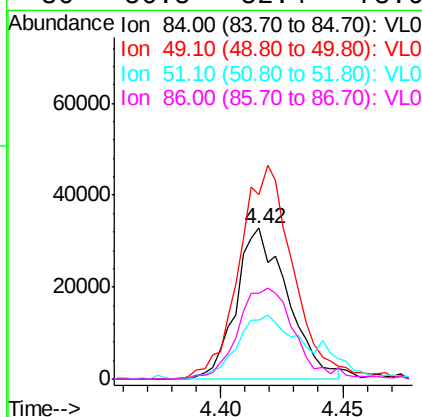
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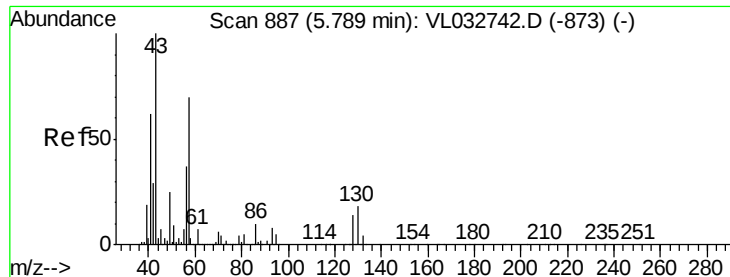
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#20
Methylene Chloride
Concen: 0.684 ppbv
RT: 4.42 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL032837.D
Acq: 29 Nov 2018 16:41

Tgt Ion: 84 Resp: 47960
Ion Ratio Lower Upper
84 100
49 120.8 115.8 173.6
51 38.7 36.9 55.3
86 56.5 52.4 78.6





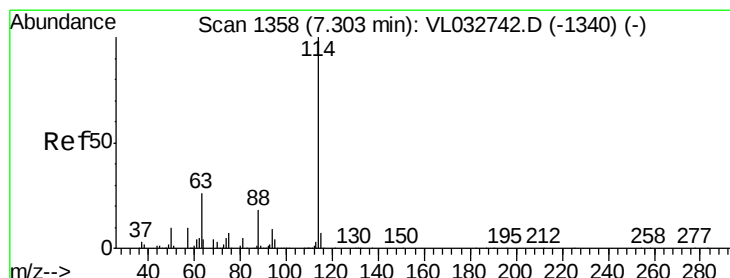
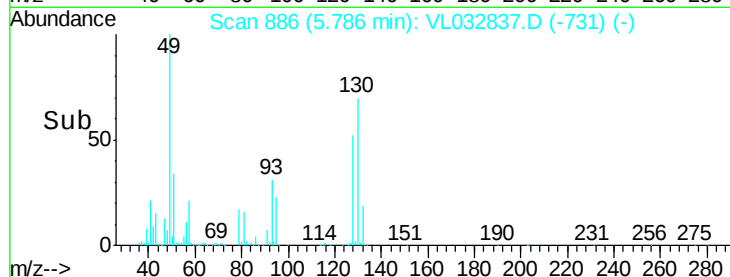
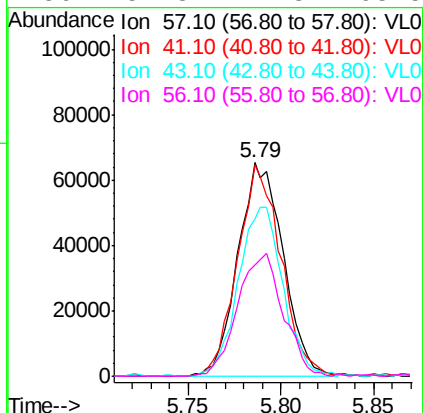
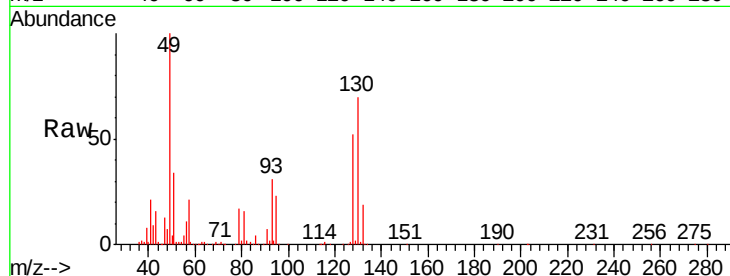
#26
Hexane
Concen: 0.790 ppbv
RT: 5.79 min Scan# 886
Delta R.T. -0.00 min
Lab File: VL032837.D
Acq: 29 Nov 2018 16:41

Instrument :
MSVOA_L
ClientSampled :
IAS-1DL

Tgt Ion	Ratio	Lower	Upper
57	100		
41	95.5	70.3	105.5
43	77.3	174.0	261.0#
56	57.8	42.3	63.5

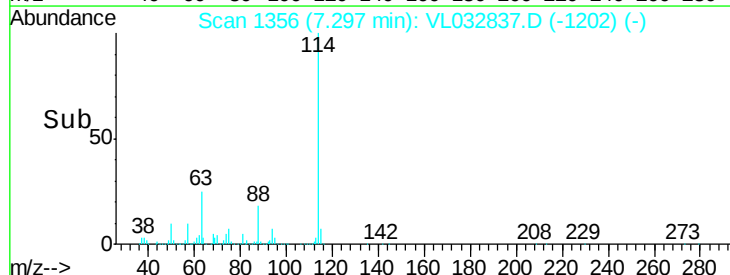
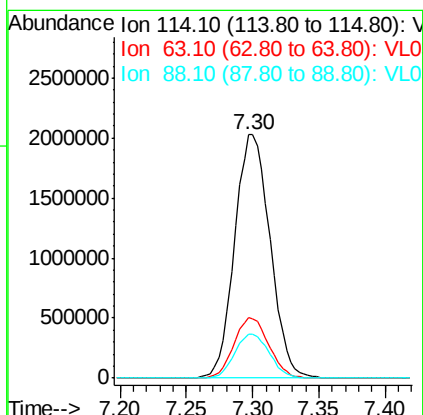
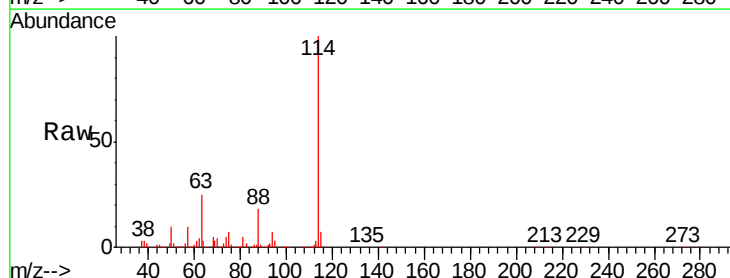
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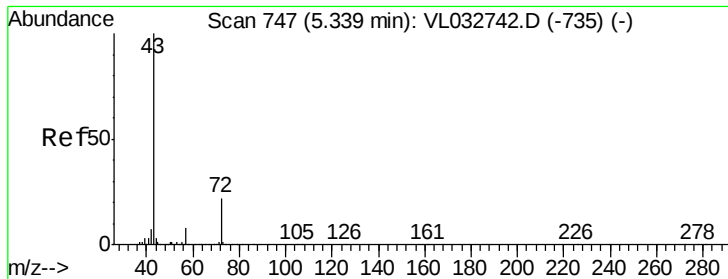
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.01 min
Lab File: VL032837.D
Acq: 29 Nov 2018 16:41

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.7	20.9	31.3
88	17.8	14.4	21.6





#34

2-Butanone

Concen: 0.253 ppbv m

RT: 5.35 min Scan# 750

Delta R.T. 0.01 min

Lab File: VL032837.D

Acq: 29 Nov 2018 16:41

Instrument :

MSVOA_L

ClientSampleId :

IAS-1DL

Tgt Ion: 43 Resp: 49424

Ion Ratio Lower Upper

43 100

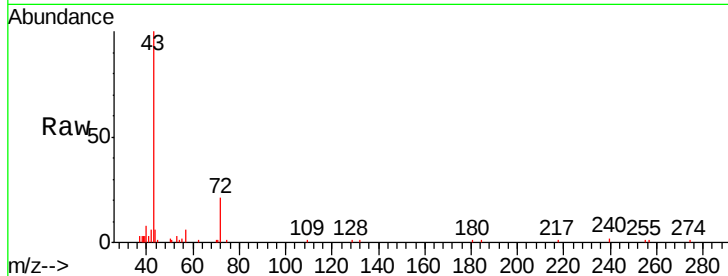
72 25.4 18.4 27.6

Manual Integrations

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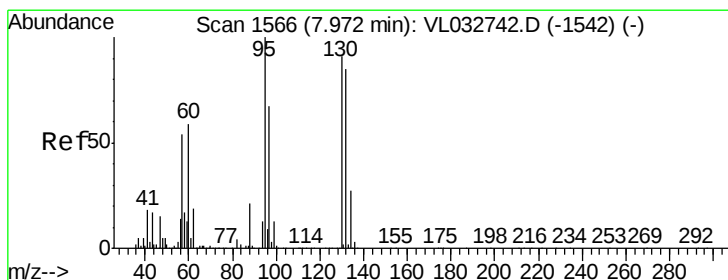
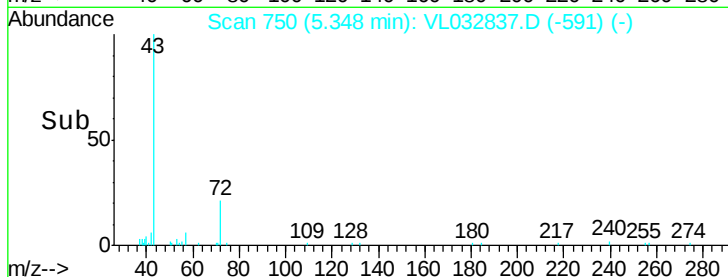
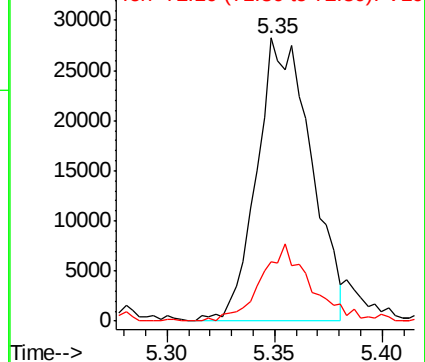
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0



#38

Trichloroethene

Concen: 0.070 ppbv

RT: 7.97 min Scan# 1564

Delta R.T. -0.01 min

Lab File: VL032837.D

Acq: 29 Nov 2018 16:41

Tgt Ion: 130 Resp: 8567

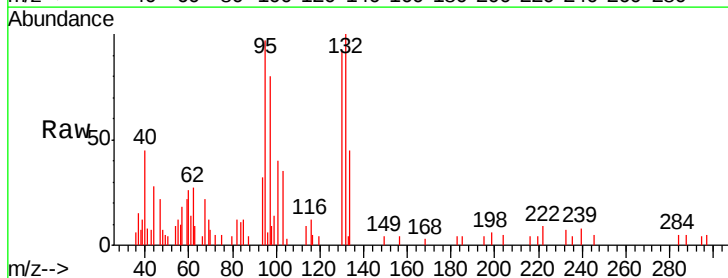
Ion Ratio Lower Upper

130 100

95 97.5 87.7 131.5

132 102.3 74.6 111.8

97 88.1 58.3 87.5#

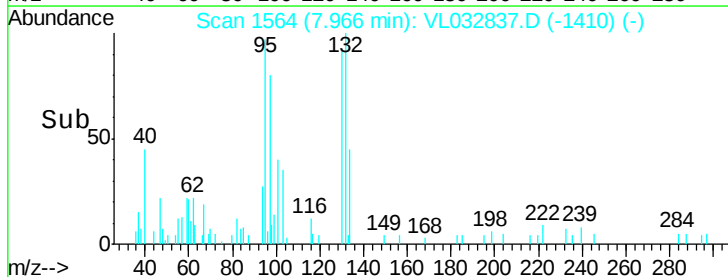
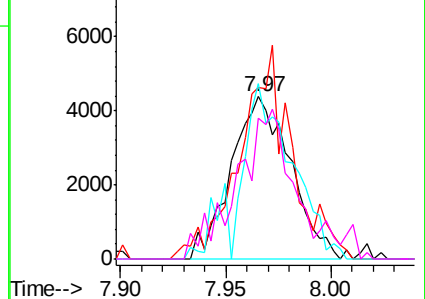


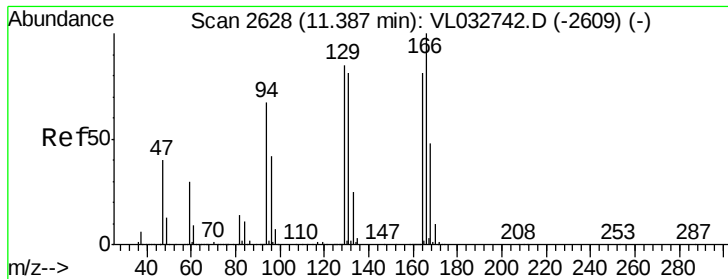
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#52

Tetrachloroethene

Concen: 0.064 ppbv m

RT: 11.39 min Scan# 2628

Delta R.T. 0.00 min

Lab File: VL032837.D

Acq: 29 Nov 2018 16:41

Instrument :

MSVOA_L

ClientSampleId :

IAS-1DL

Tgt Ion:164 Resp: 6722

Ion Ratio Lower Upper

164 100

166 87.7 99.3 148.9#

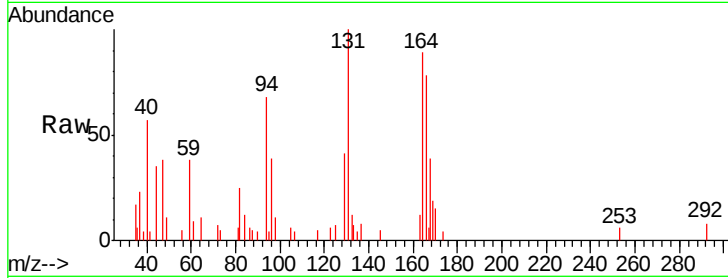
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131 112.2 80.8 121.2

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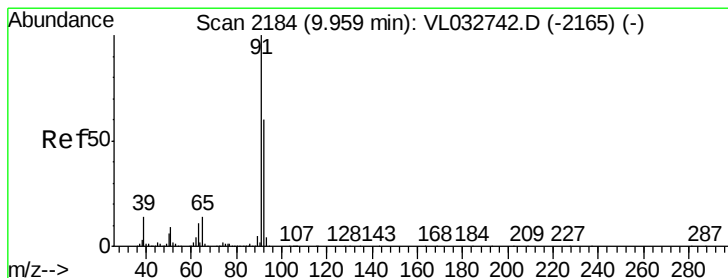
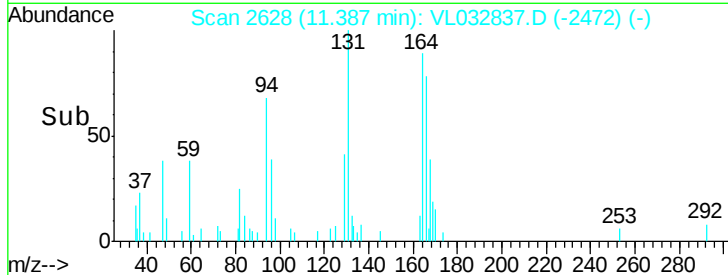
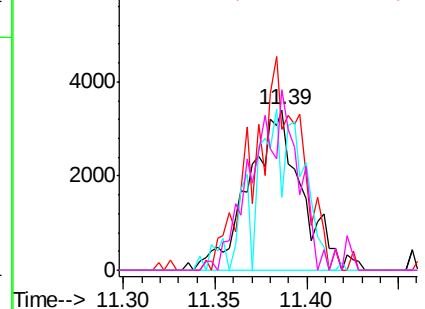


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.725 ppbv

RT: 9.96 min Scan# 2184

Delta R.T. 0.00 min

Lab File: VL032837.D

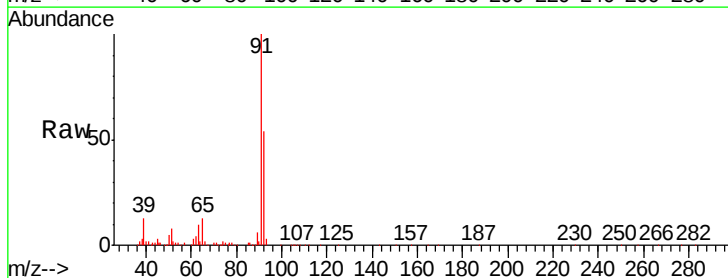
Acq: 29 Nov 2018 16:41

Tgt Ion: 91 Resp: 227314

Ion Ratio Lower Upper

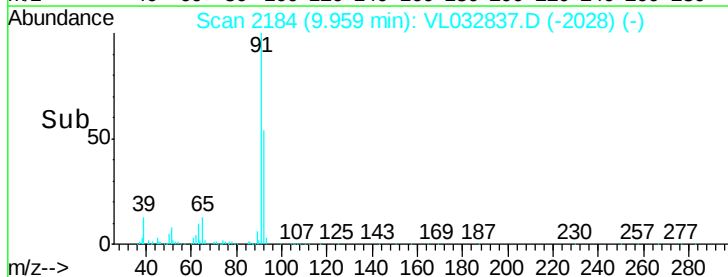
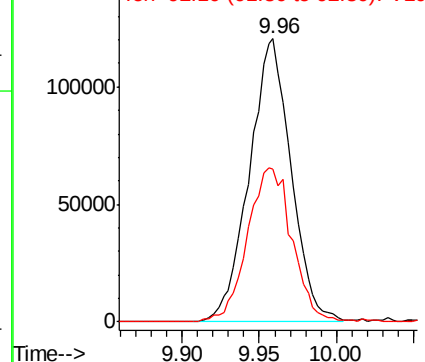
91 100

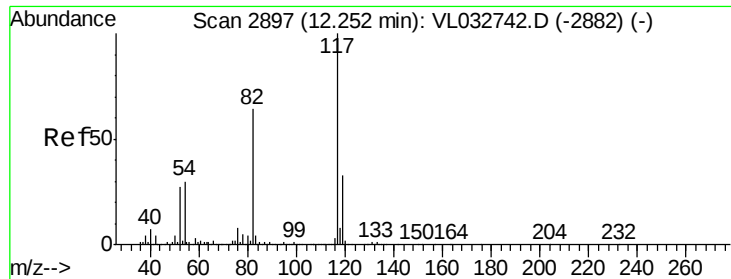
92 58.2 47.9 71.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





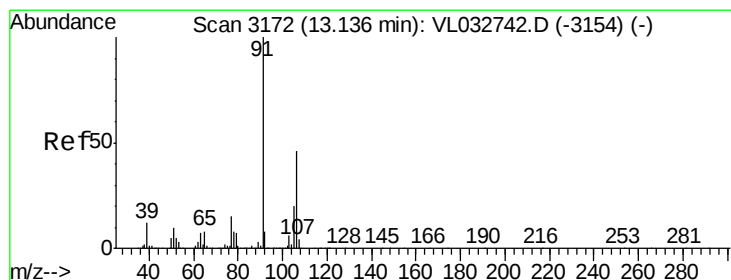
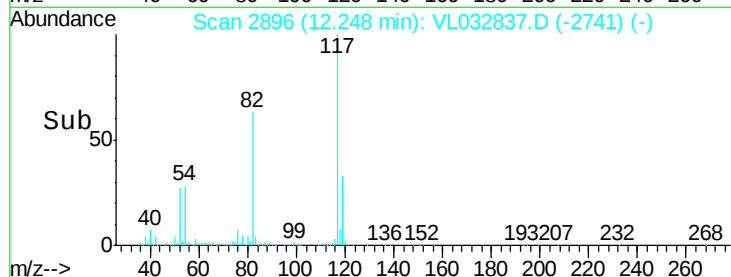
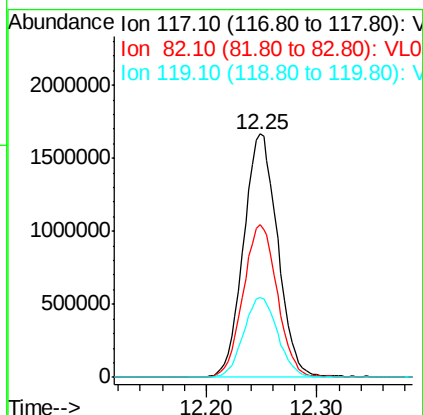
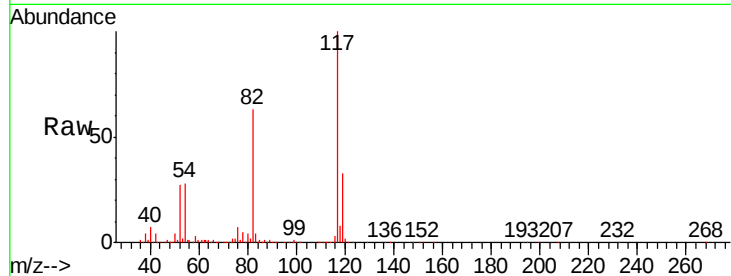
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VL032837.D
Acq: 29 Nov 2018 16:41

Instrument :
MSVOA_L
ClientSampleId :
IAS-1DL

Tgt Ion: 117 Resp: 3564076
Ion Ratio Lower Upper
117 100
82 63.5 51.0 76.6
119 33.0 28.0 42.0

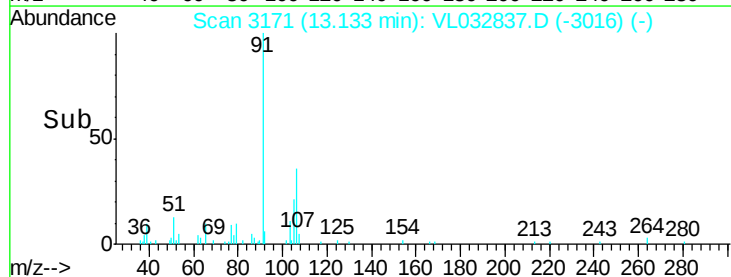
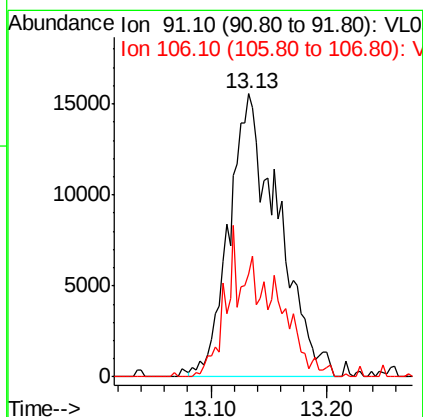
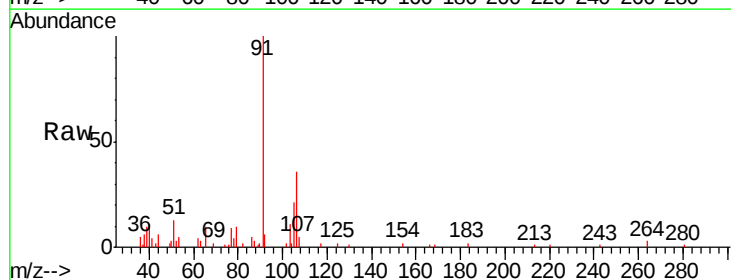
Manual Integrations
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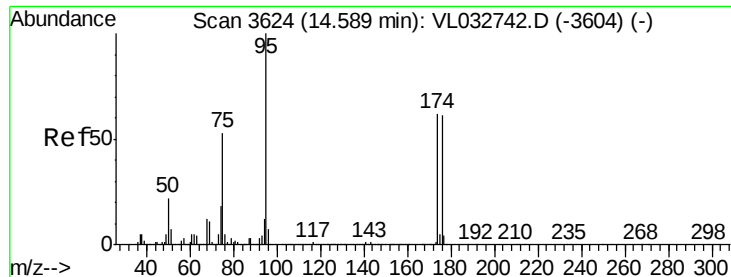
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#59
m/p-Xylene
Concen: 0.120 ppbv m
RT: 13.13 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VL032837.D
Acq: 29 Nov 2018 16:41

Tgt Ion: 91 Resp: 45636
Ion Ratio Lower Upper
91 100
106 0.0 36.1 54.1#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.263 ppbv
 RT: 14.59 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VL032837.D
 Acq: 29 Nov 2018 16:41

Instrument :
 MSVOA_L
 ClientSampleId :
 IAS-1DL

Tgt Ion: 95 Resp: 2735938
 Ion Ratio Lower Upper
 95 100
 174 64.8 50.7 76.1
 175 4.8 3.8 5.6

Manual Integrations
 APPROVED

apatel
 12/4/2018 8:38:36 AM

