

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112918\
 Data File : VL032841.D
 Acq On : 29 Nov 2018 19:19
 Operator : SY/AP
 Sample : J6088-03DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IAS-2DL

Manual Integrations
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 12/4/2018 8:38:52 AM

Quant Time: Nov 30 07:43:50 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 07:43:50 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	1409129	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3555046	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3399958	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2604247	10.24	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.02	51	47148m	0.422	ppbv	
9) Propene	3.06	41	10033m	0.224	ppbv	
11) Trichlorofluoromethane	4.01	101	21814m	0.114	ppbv	
13) Ethanol	3.67	45	42491	2.902	ppbv	96
15) Acetone	3.92	43	396459	3.081	ppbv	99
19) Isopropyl Alcohol	4.06	45	43275m	0.505	ppbv	
20) Methylene Chloride	4.42	84	39837	0.598	ppbv	94
26) Hexane	5.79	57	42093	0.315	ppbv #	45
34) 2-Butanone	5.35	43	71044	0.385	ppbv	100
53) Toluene	9.96	91	212788	0.720	ppbv	95
59) m/p-Xylene	13.14	91	34621m	0.095	ppbv	

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

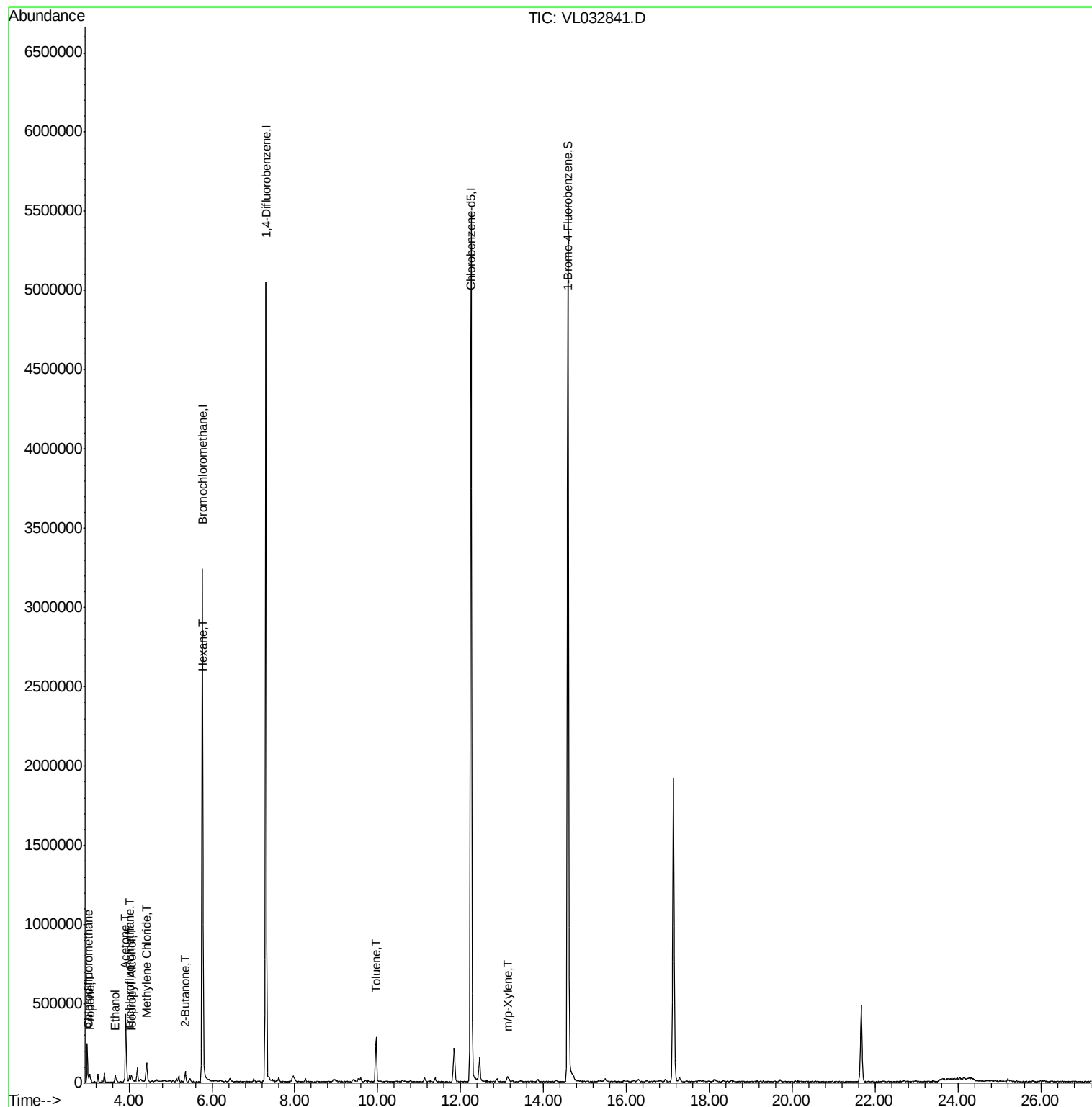
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL112918\
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Quant Time: Nov 30 07:43:50 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov
QLast Update : Wed Nov 14 07:00:23 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: VL032841.D

Acq: 29 Nov 2018 19:19

Instrument :

MSVOA_L

ClientSampled :

IAS-2DL

Tgt Ion: 49 Resp: 1409129

Ion Ratio Lower Upper

49 100

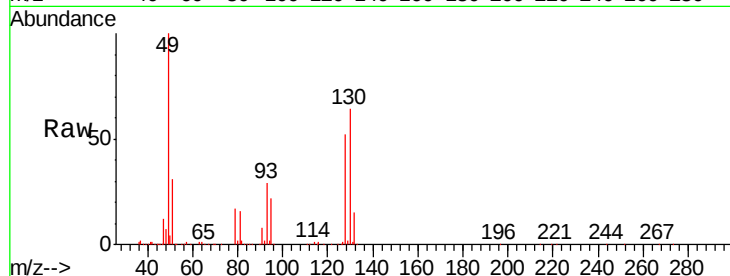
128 52.9 24.9 74.6

130 66.5 31.4 94.2

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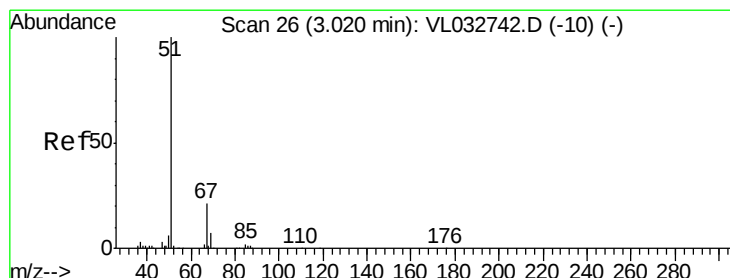
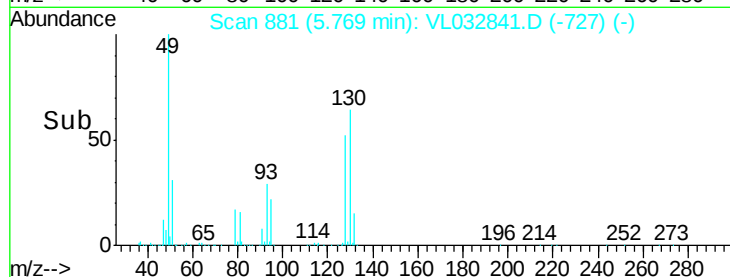
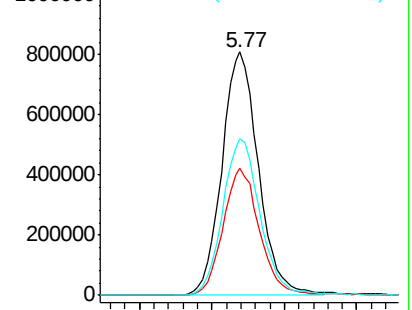
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#3

Chlorodifluoromethane

Concen: 0.422 ppbv m

RT: 3.02 min Scan# 27

Delta R.T. 0.00 min

Lab File: VL032841.D

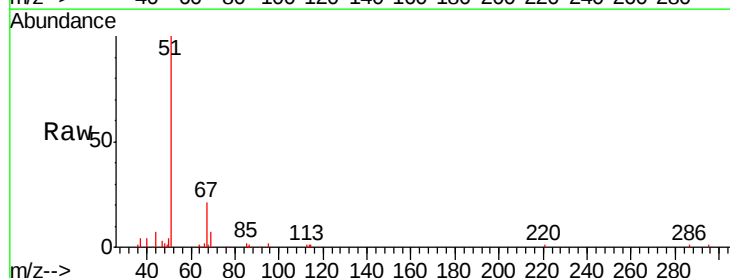
Acq: 29 Nov 2018 19:19

Tgt Ion: 51 Resp: 47148

Ion Ratio Lower Upper

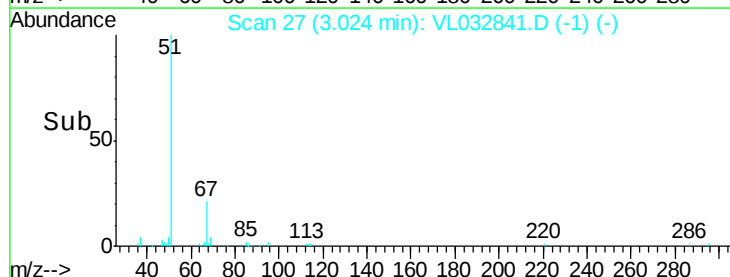
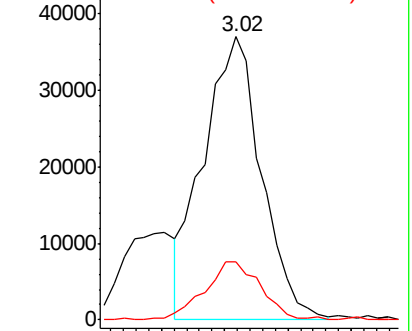
51 100

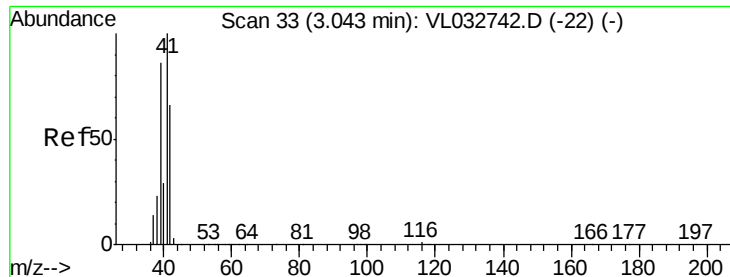
67 20.3 16.1 24.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.224 ppbv m

RT: 3.06 min Scan# 37

Delta R.T. 0.01 min

Lab File: VL032841.D

Acq: 29 Nov 2018 19:19

Instrument :

MSVOA_L

ClientSampleId :

IAS-2DL

Tgt Ion: 41 Resp: 10033

Ion Ratio Lower Upper

41 100

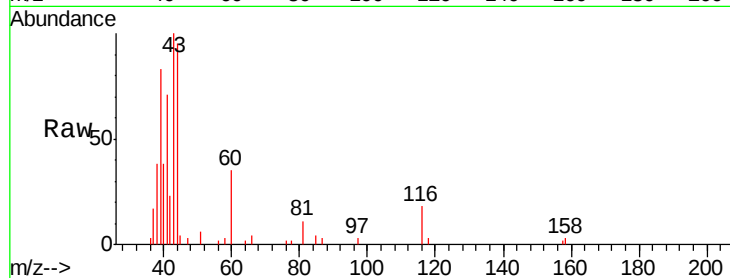
42 101.6 55.0 82.6#

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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

8000

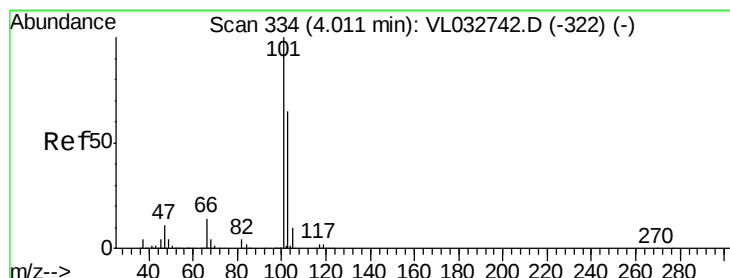
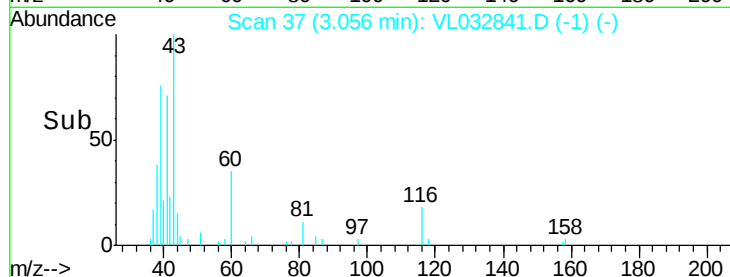
6000

4000

2000

0

Time--> 3.00 3.05 3.10



#11

Trichlorofluoromethane

Concen: 0.114 ppbv m

RT: 4.01 min Scan# 335

Delta R.T. 0.00 min

Lab File: VL032841.D

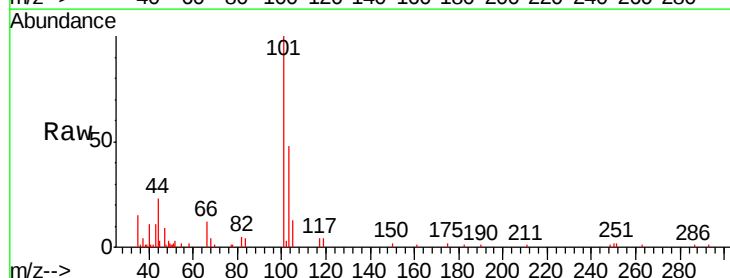
Acq: 29 Nov 2018 19:19

Tgt Ion: 101 Resp: 21814

Ion Ratio Lower Upper

101 100

103 47.8 51.6 77.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

20000

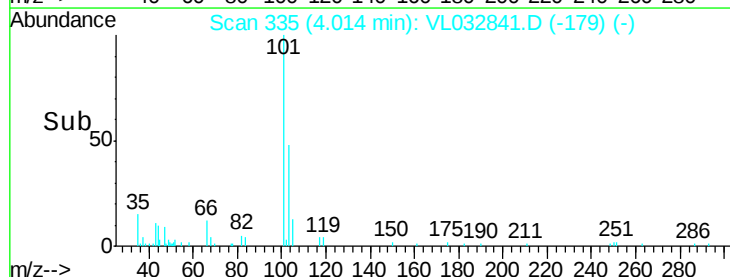
15000

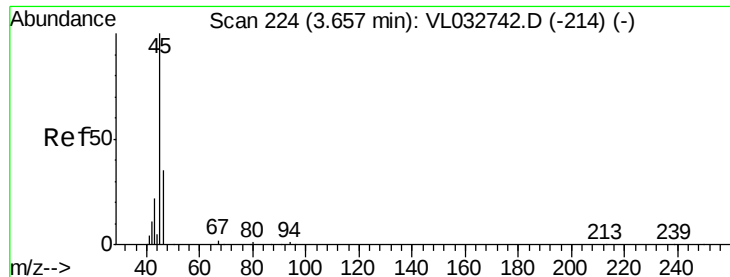
10000

5000

0

Time--> 3.95 4.00 4.05





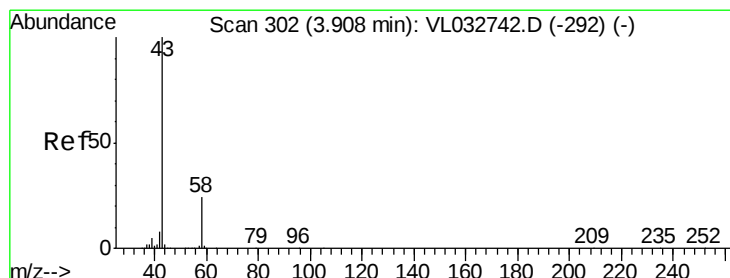
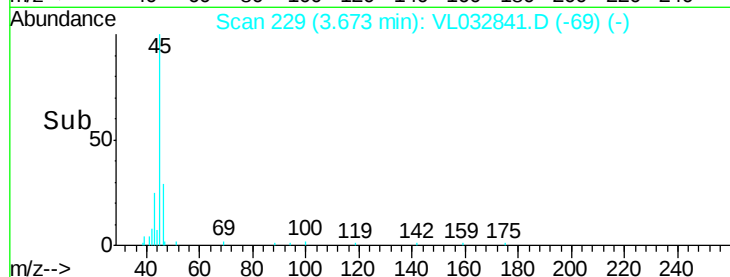
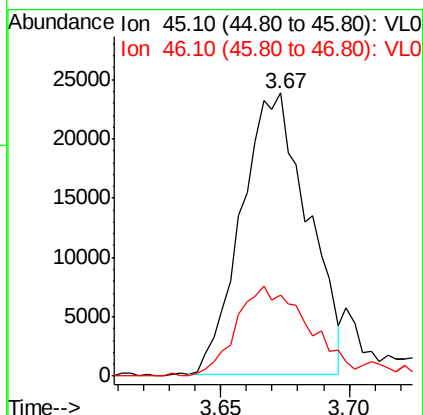
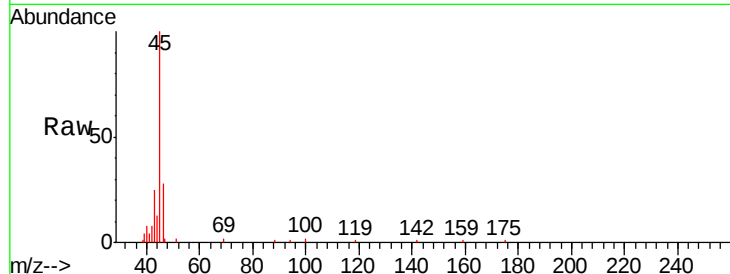
#13
Ethanol
Concen: 2.902 ppbv
RT: 3.67 min Scan# 229
Delta R.T. 0.02 min
Lab File: VL032841.D
Acq: 29 Nov 2018 19:19

Instrument :
MSVOA_L
ClientSampled :
IAS-2DL

Tgt Ion: 45 Resp: 42491
Ion Ratio Lower Upper
45 100
46 38.4 14.5 57.9

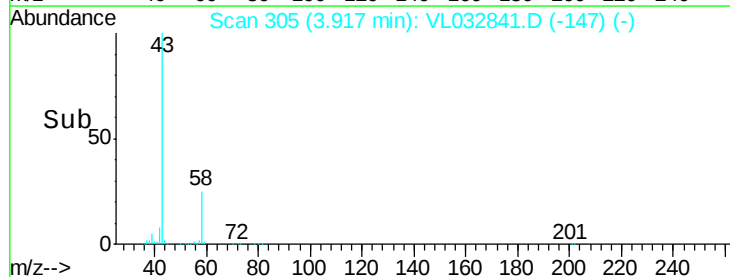
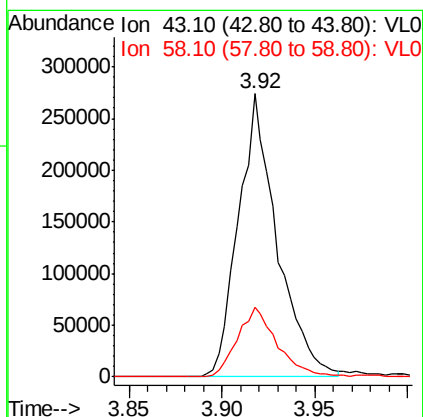
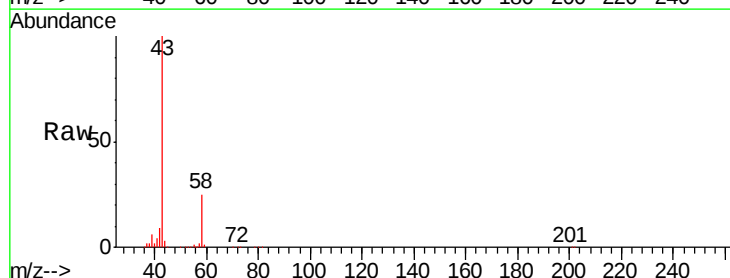
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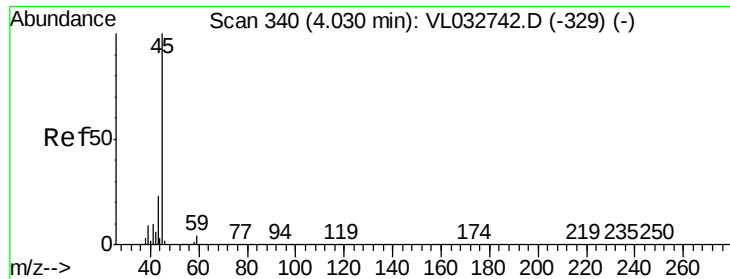
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#15
Acetone
Concen: 3.081 ppbv
RT: 3.92 min Scan# 305
Delta R.T. 0.01 min
Lab File: VL032841.D
Acq: 29 Nov 2018 19:19

Tgt Ion: 43 Resp: 396459
Ion Ratio Lower Upper
43 100
58 25.8 21.1 31.7





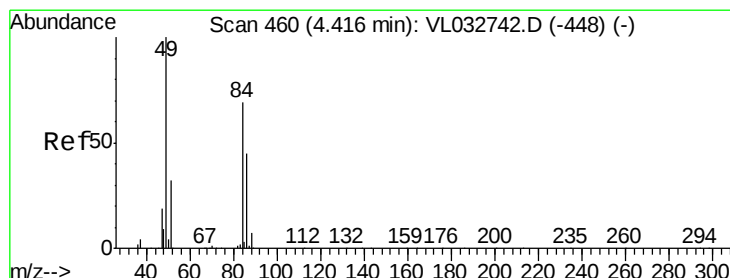
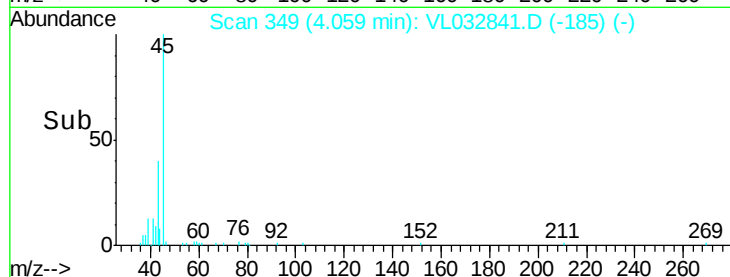
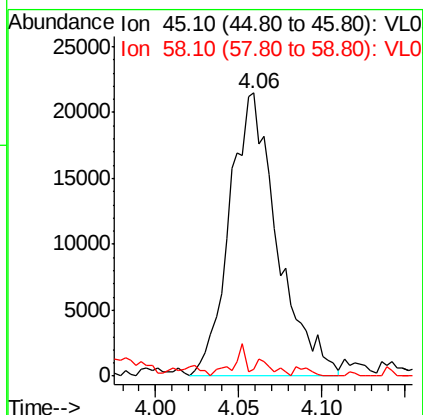
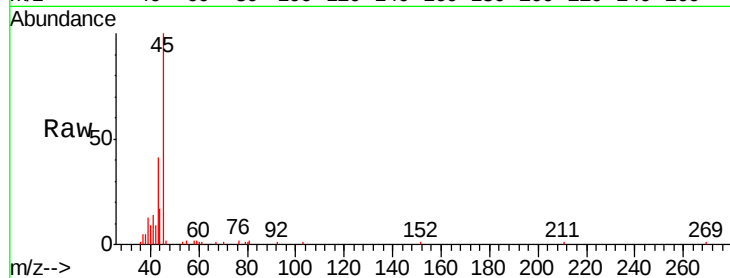
#19
Isopropyl Alcohol
Concen: 0.505 ppbv m
RT: 4.06 min Scan# 349
Delta R.T. 0.03 min
Lab File: VL032841.D
Acq: 29 Nov 2018 19:19

Instrument :
MSVOA_L
ClientSampleID :
IAS-2DL

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

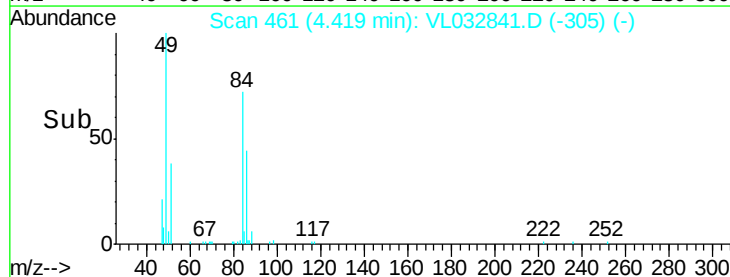
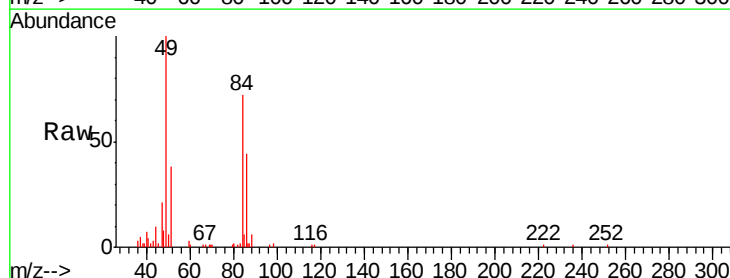
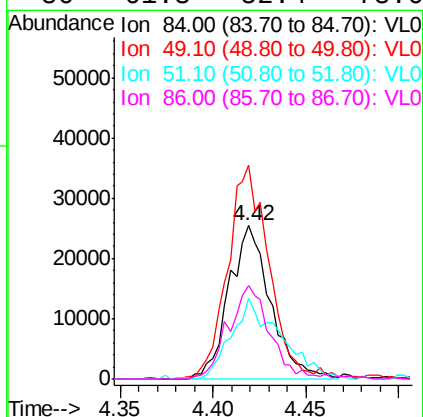
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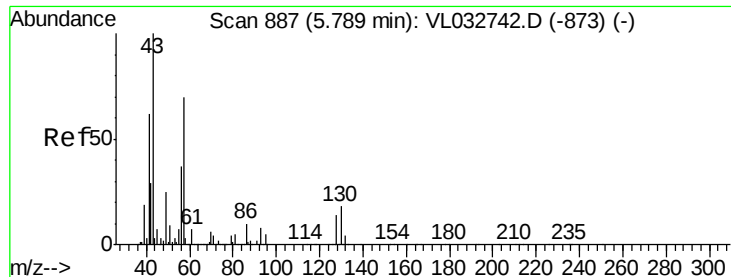
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#20
Methylene Chloride
Concen: 0.598 ppbv
RT: 4.42 min Scan# 461
Delta R.T. 0.00 min
Lab File: VL032841.D
Acq: 29 Nov 2018 19:19

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.6	115.8	173.6
51	51.6	36.9	55.3
86	61.3	52.4	78.6





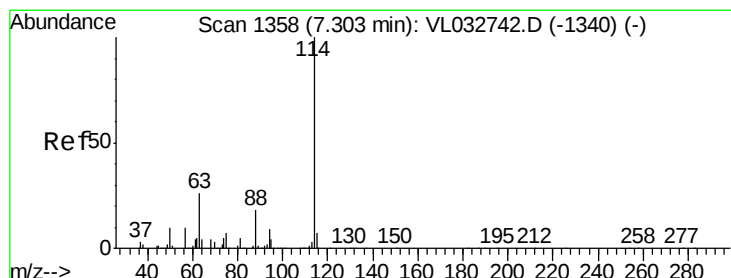
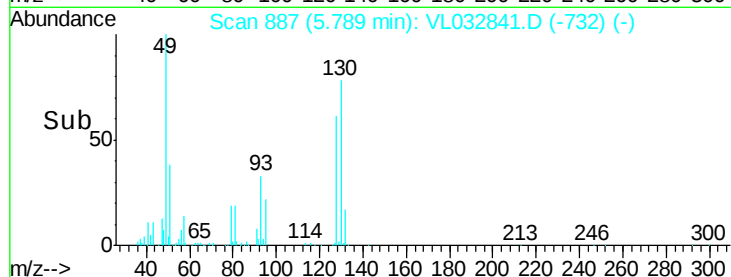
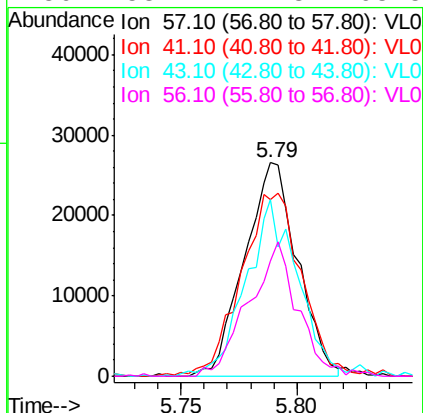
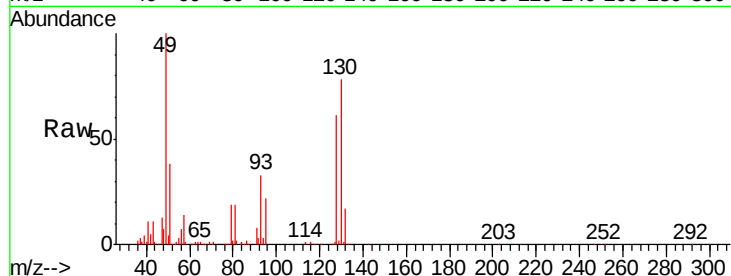
#26
Hexane
Concen: 0.315 ppbv
RT: 5.79 min Scan# 887
Delta R.T. -0.00 min
Lab File: VL032841.D
Acq: 29 Nov 2018 19:19

Instrument :
MSVOA_L
ClientSampleId :
IAS-2DL

Tgt Ion	Ratio	Lower	Upper
57	100		
41	98.5	70.3	105.5
43	83.8	174.0	261.0#
56	58.7	42.3	63.5

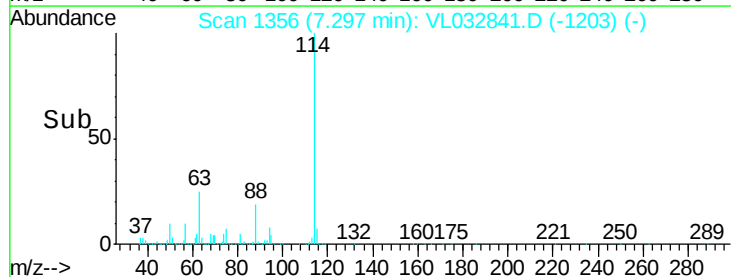
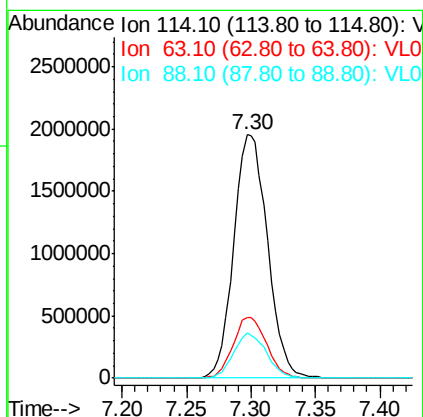
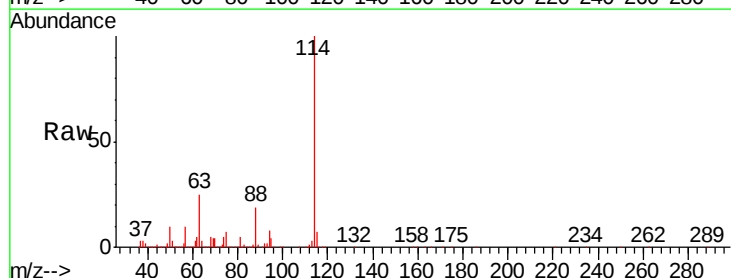
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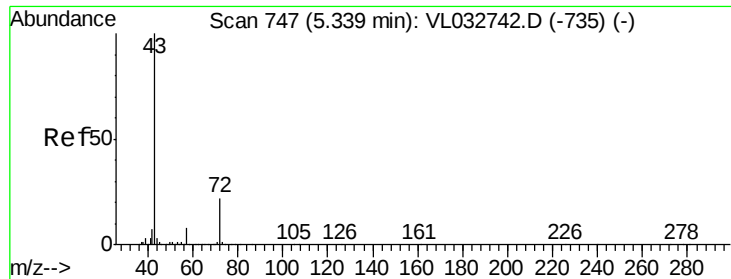
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.01 min
Lab File: VL032841.D
Acq: 29 Nov 2018 19:19

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.9	20.9	31.3
88	18.0	14.4	21.6





#34

2-Butanone

Concen: 0.385 ppbv

RT: 5.35 min Scan# 752

Delta R.T. 0.02 min

Lab File: VL032841.D

Acq: 29 Nov 2018 19:19

Instrument :

MSVOA_L

ClientSampleId :

IAS-2DL

Tgt Ion: 43 Resp: 71044

Ion Ratio Lower Upper

43 100

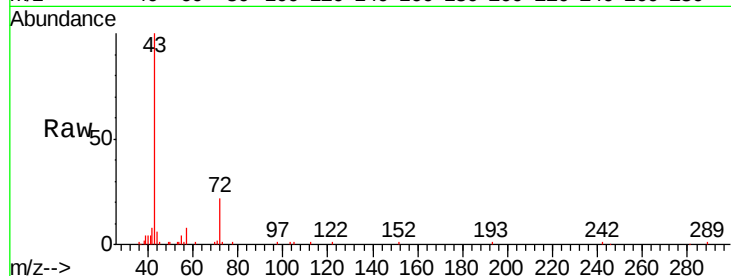
72 22.9 18.4 27.6

Manual Integrations

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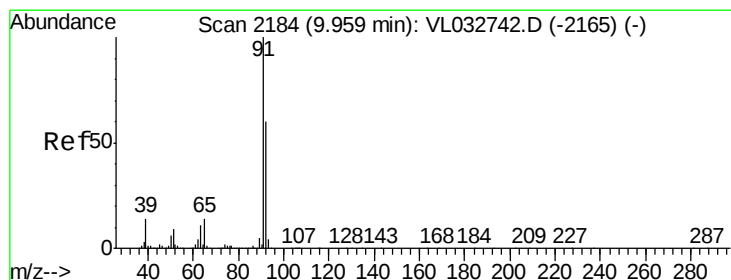
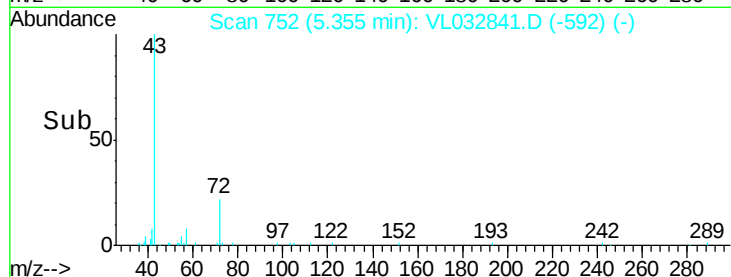
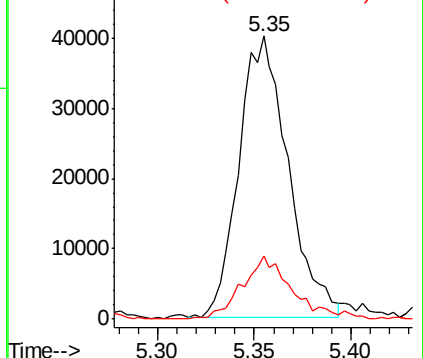
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0



#53

Toluene

Concen: 0.720 ppbv

RT: 9.96 min Scan# 2184

Delta R.T. -0.00 min

Lab File: VL032841.D

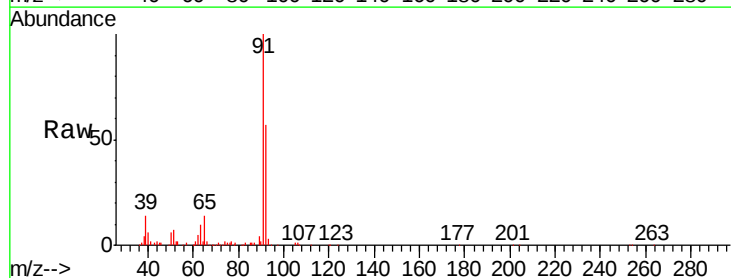
Acq: 29 Nov 2018 19:19

Tgt Ion: 91 Resp: 212788

Ion Ratio Lower Upper

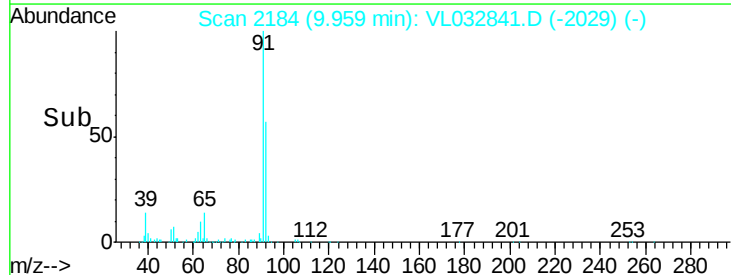
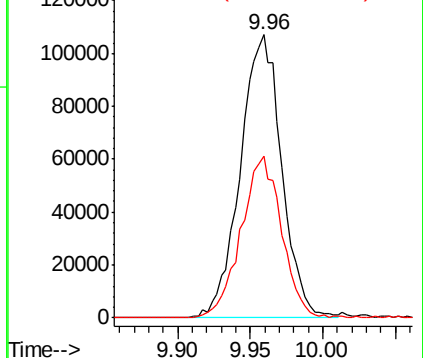
91 100

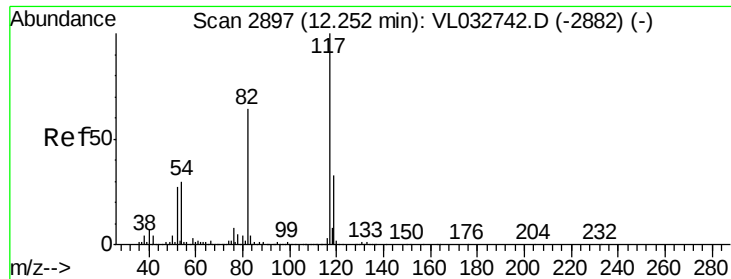
92 56.3 47.9 71.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





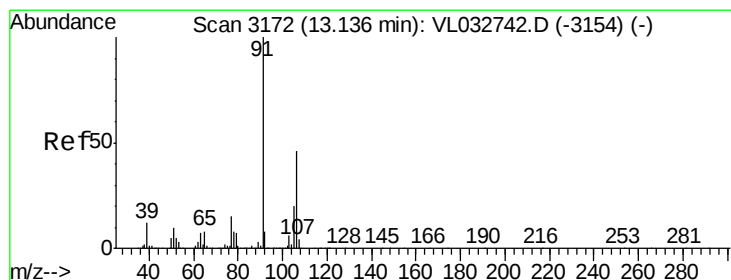
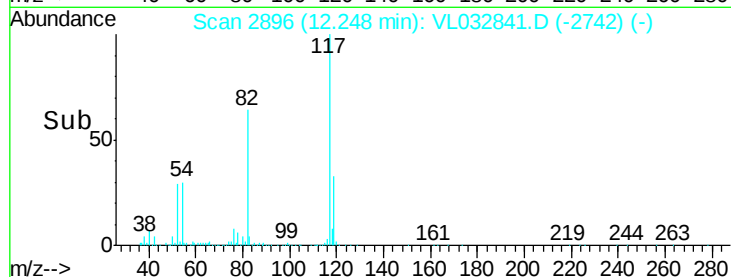
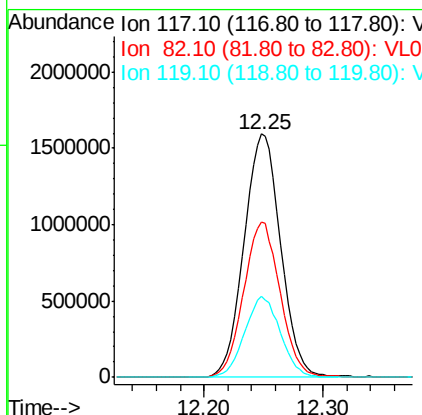
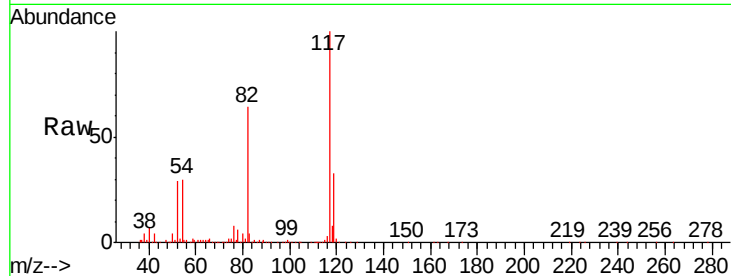
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VL032841.D
Acq: 29 Nov 2018 19:19

Instrument :
MSVOA_L
ClientSampleId :
IAS-2DL

Tgt Ion: 117 Resp: 3399958
Ion Ratio Lower Upper
117 100
82 63.8 51.0 76.6
119 32.5 28.0 42.0

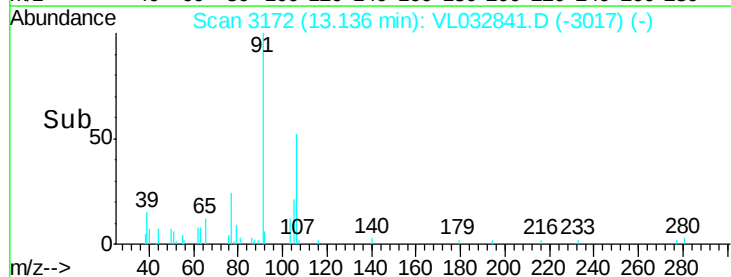
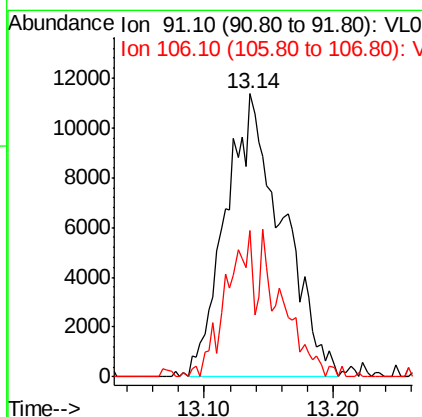
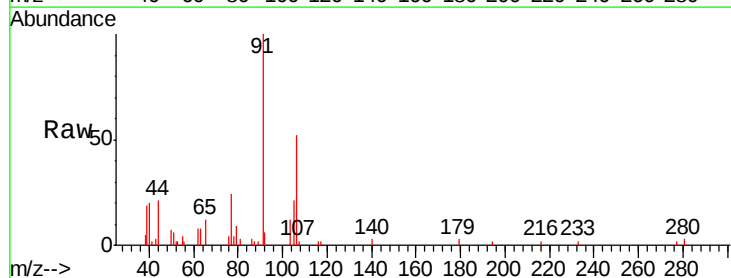
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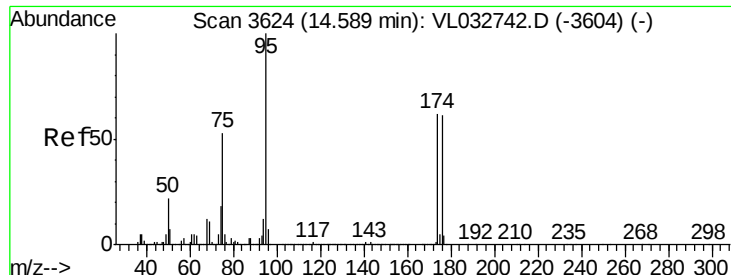
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#59
m/p-Xylene
Concen: 0.095 ppbv m
RT: 13.14 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VL032841.D
Acq: 29 Nov 2018 19:19

Tgt Ion: 91 Resp: 34621
Ion Ratio Lower Upper
91 100
106 0.0 36.1 54.1#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.241 ppbv
 RT: 14.59 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VL032841.D
 Acq: 29 Nov 2018 19:19

Instrument :
 MSVOA_L
 ClientSampleId :
 IAS-2DL

Tgt Ion: 95 Resp: 2604247
 Ion Ratio Lower Upper
 95 100
 174 66.0 50.7 76.1
 175 4.7 3.8 5.6

Manual Integrations
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