

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112018\
 Data File : VL032787.D
 Acq On : 20 Nov 2018 20:45
 Operator : SY/AP
 Sample : J5961-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2DL

Manual Integrations
 APPROVED

MMDadoda
 11/26/2018 9:18:48 AM

Quant Time: Nov 21 05:55:50 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	5.77	49	1282863	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3285727	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3004047	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.59	95	2235840	9.95	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.05	41	8659m	0.213	ppbv	
13) Ethanol	3.66	45	291868	21.894	ppbv	99
15) Acetone	3.91	43	145927	1.246	ppbv	95
19) Isopropyl Alcohol	4.05	45	39251m	0.503	ppbv	

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

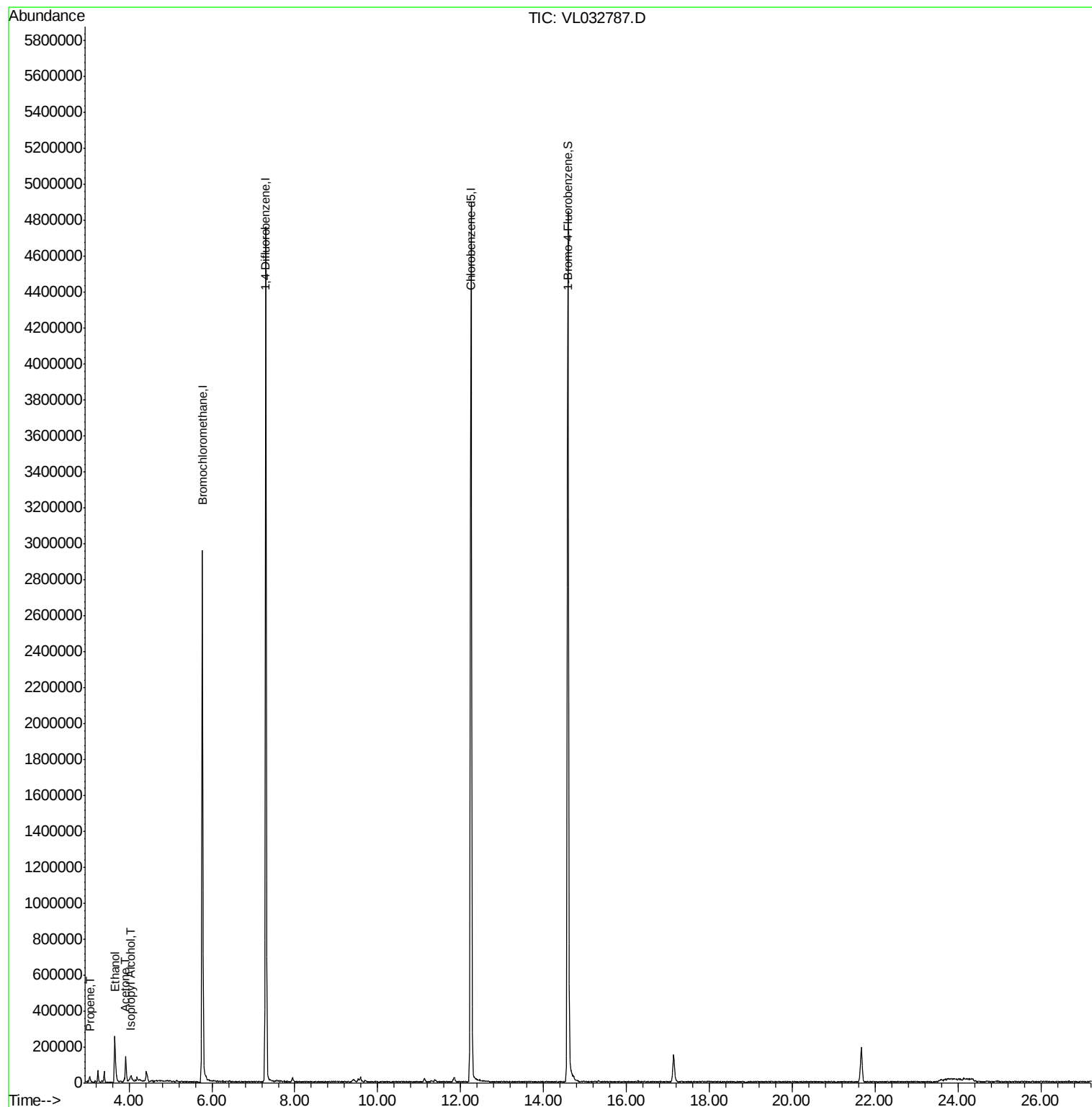
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL112018\
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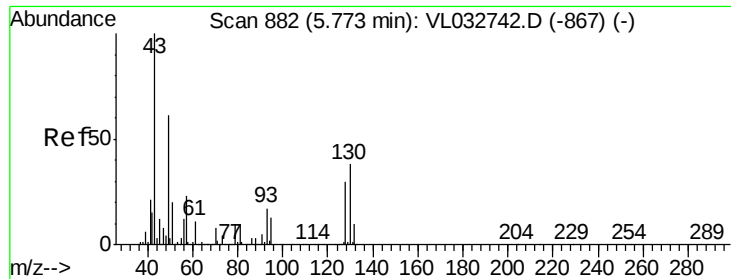
Instrument :
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QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 881

Delta R.T. -0.00 min

Lab File: VL032787.D

Acq: 20 Nov 2018 20:45

Instrument :

MSVOA_L

ClientSampled :

IA2DL

Tot Ion: 49 Resp: 1282863

Ion Ratio Lower Upper

49 100

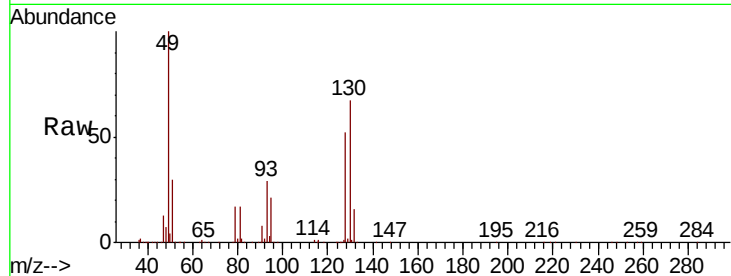
128 53.2 24.9 74.6

130 68.5 31.4 94.2

Manual Integrations
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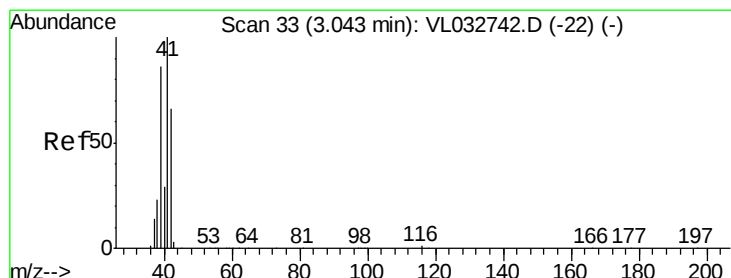
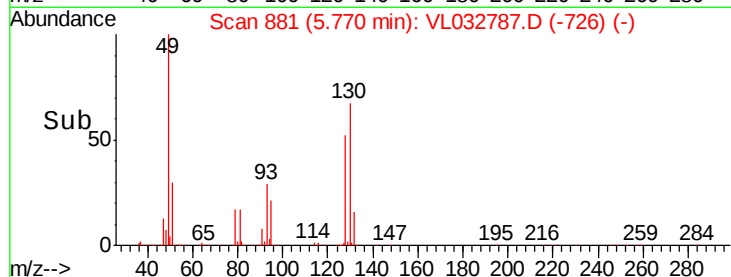
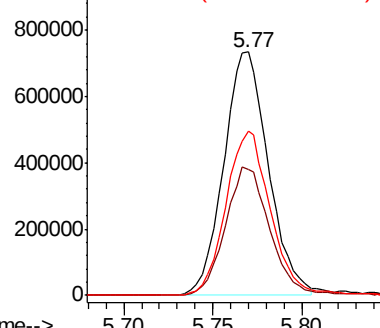
11/26/2018 9:18:48 AM



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



#9

Propene

Concen: 0.213 ppbv m

RT: 3.05 min Scan# 34

Delta R.T. 0.00 min

Lab File: VL032787.D

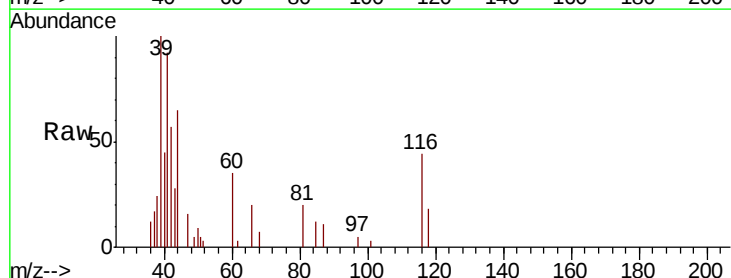
Acq: 20 Nov 2018 20:45

Tgt Ion: 41 Resp: 8659

Ion Ratio Lower Upper

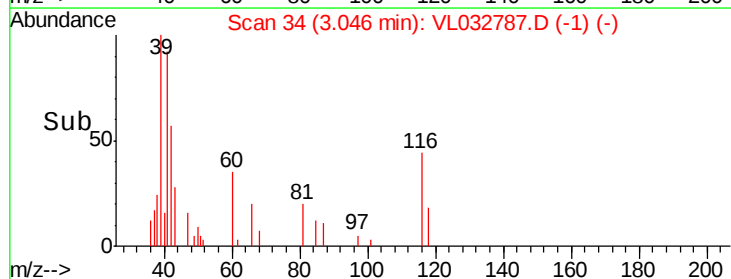
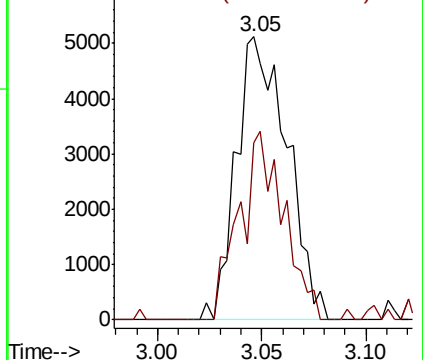
41 100

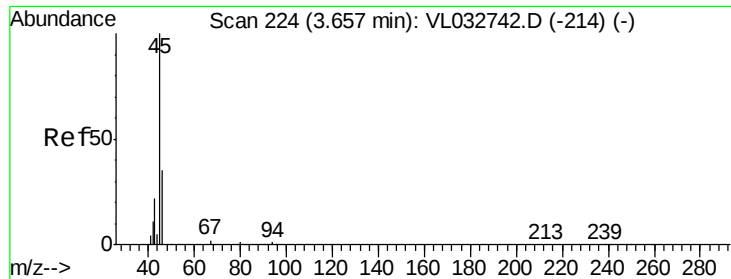
42 58.7 55.0 82.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





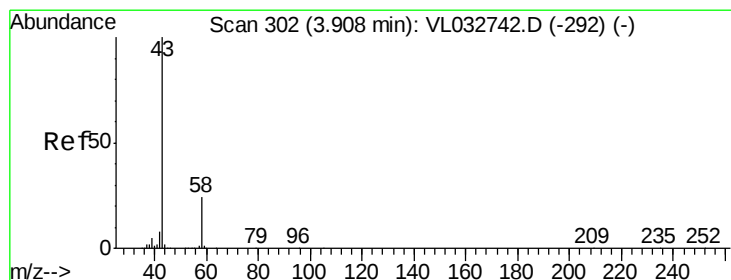
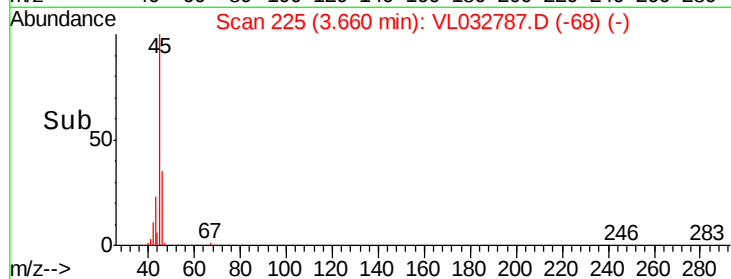
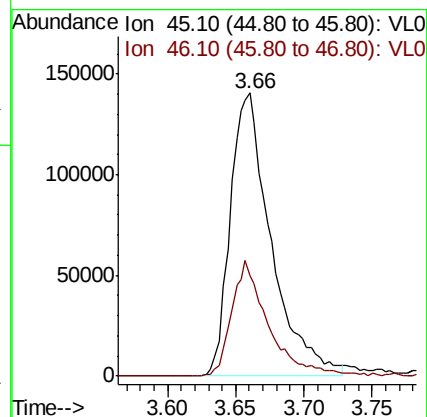
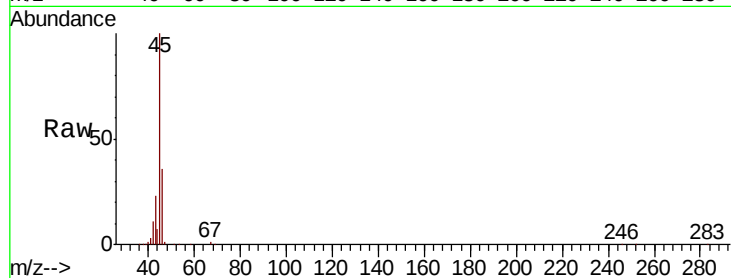
#13
Ethanol
Concen: 21.894 ppbv
RT: 3.66 min Scan# 225
Delta R.T. 0.00 min
Lab File: VL032787.D
Acq: 20 Nov 2018 20:45

Instrument :
MSVOA_L
ClientSampleId :
IA2DL

Tot Ion	Ratio	Lower	Upper
45	100		
46	37.1	14.5	57.9

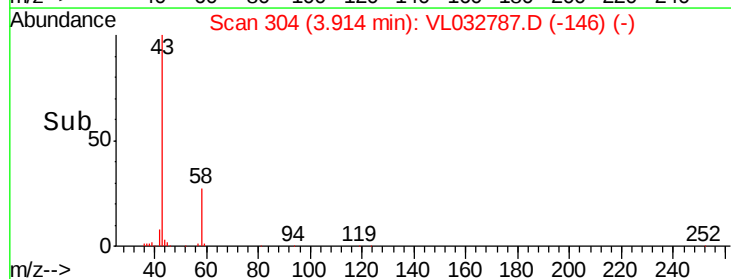
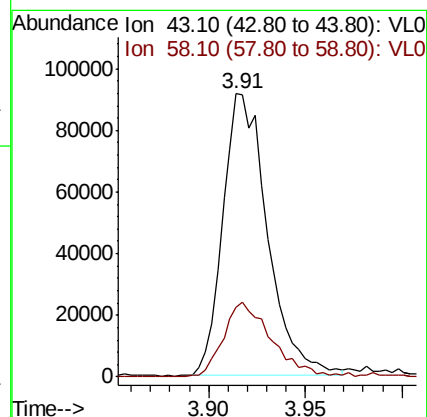
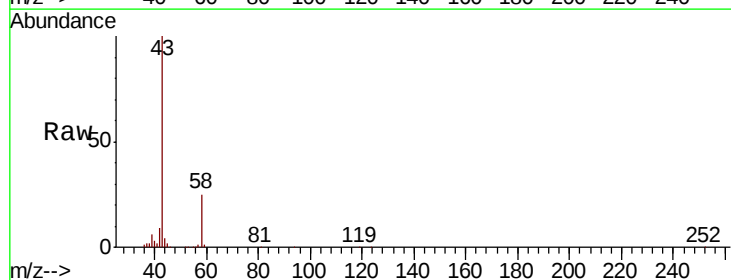
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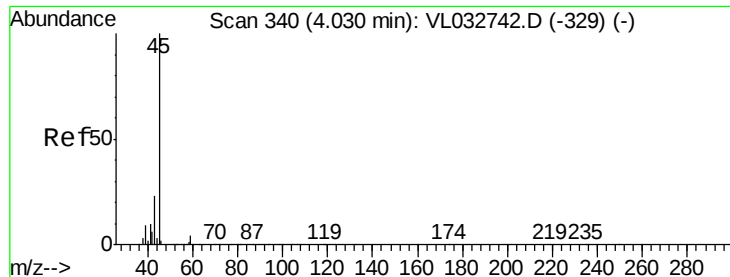
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#15
Acetone
Concen: 1.246 ppbv
RT: 3.91 min Scan# 304
Delta R.T. 0.01 min
Lab File: VL032787.D
Acq: 20 Nov 2018 20:45

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.8	21.1	31.7





#19

Isopropyl Alcohol

Concen: 0.503 ppbv

RT: 4.05 min Scan# 346

Delta R.T. 0.02 min

Lab File: VL032787.D

Acq: 20 Nov 2018 20:45

Instrument :

MSVOA_L

ClientSampleId :

IA2DL

Tot Ion: 45 Resp: 39251

Ion Ratio Lower Upper

45 100

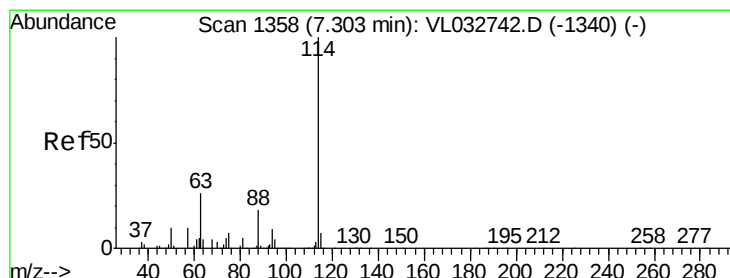
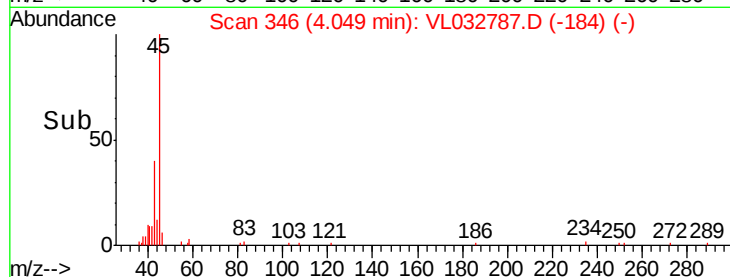
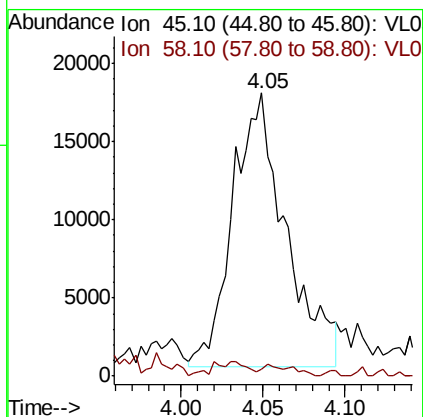
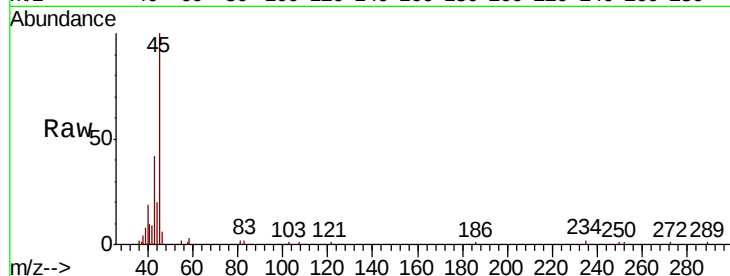
58 6.0 1.4 2.0#

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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: VL032787.D

Acq: 20 Nov 2018 20:45

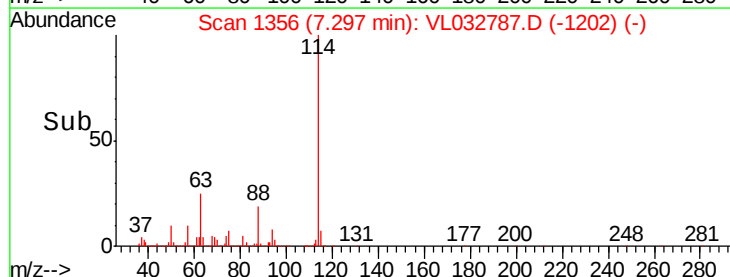
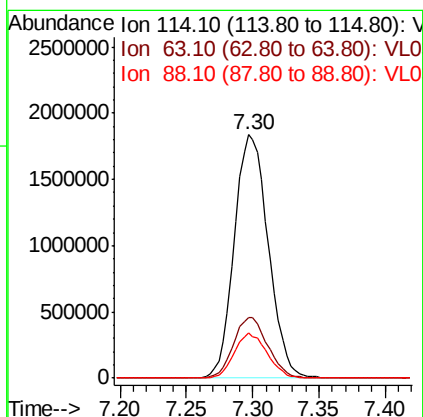
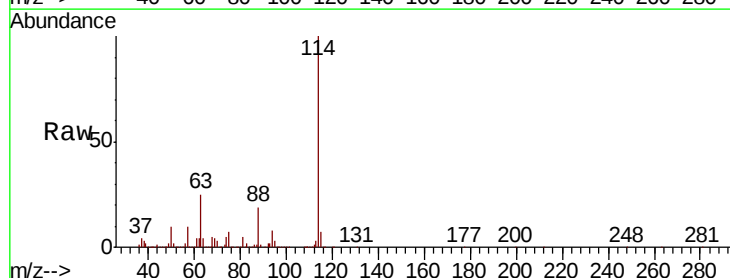
Tgt Ion: 114 Resp: 3285727

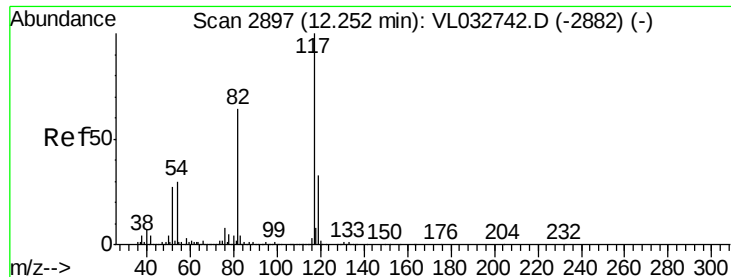
Ion Ratio Lower Upper

114 100

63 24.9 20.9 31.3

88 17.8 14.4 21.6





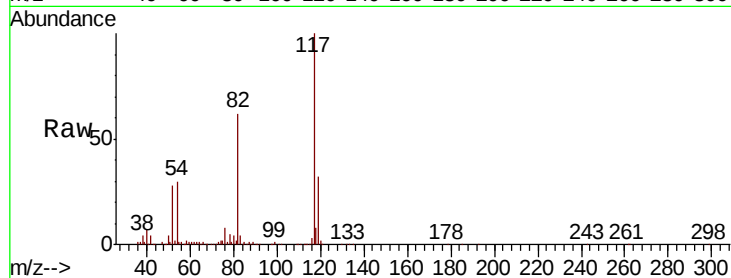
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VL032787.D
Acq: 20 Nov 2018 20:45

Instrument :
MSVOA_L
ClientSampleId :
IA2DL

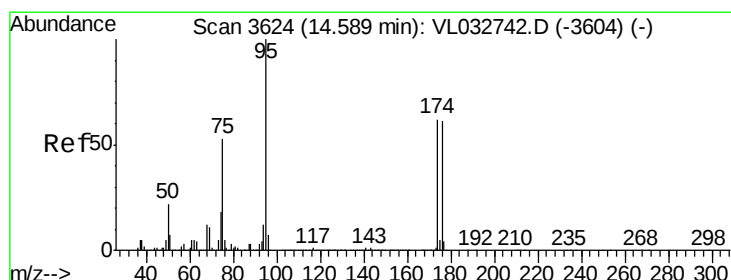
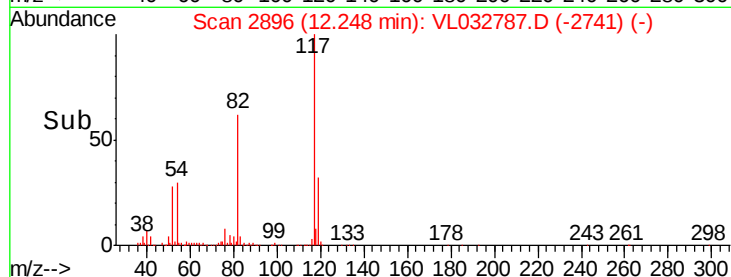
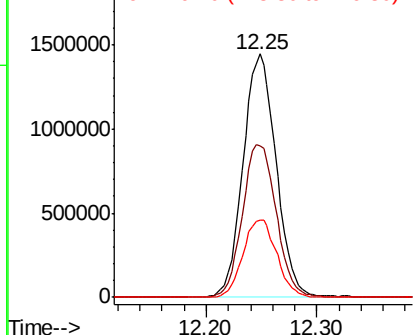
Tot Ion	Ratio	Lower	Upper
117	100		
82	64.7	51.0	76.6
119	32.7	28.0	42.0

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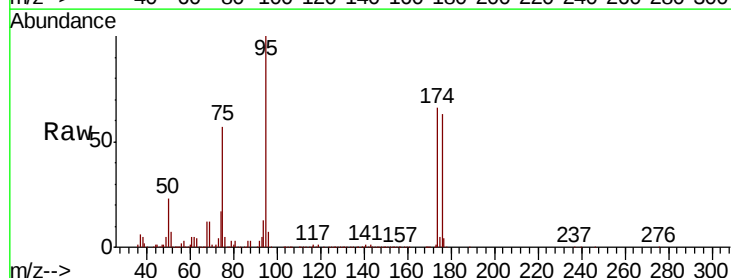


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.951 ppbv
RT: 14.59 min Scan# 3623
Delta R.T. -0.00 min
Lab File: VL032787.D
Acq: 20 Nov 2018 20:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	67.2	50.7	76.1
175	4.8	3.8	5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

