

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121118\
 Data File : VL032978.D
 Acq On : 12 Dec 2018 9:40
 Operator : SY/AP
 Sample : J6264-13DL2 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 A55G2DL2

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 7:58:55 AM

Quant Time: Dec 12 15:29:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 0
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1072768	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2659750	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2579167	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2064922	10.84	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) Trichlorofluoromethane	4.00	101	108413	0.803	ppbv	99
13) Ethanol	3.67	45	9861m	0.892	ppbv	
15) Acetone	3.90	43	535746	5.818	ppbv	98
17) tert-Butyl alcohol	4.41	59	14614m	0.623	ppbv	
34) 2-Butanone	5.36	43	25103m	0.217	ppbv	
62) Isopropylbenzene	14.84	105	59122m	0.168	ppbv	

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

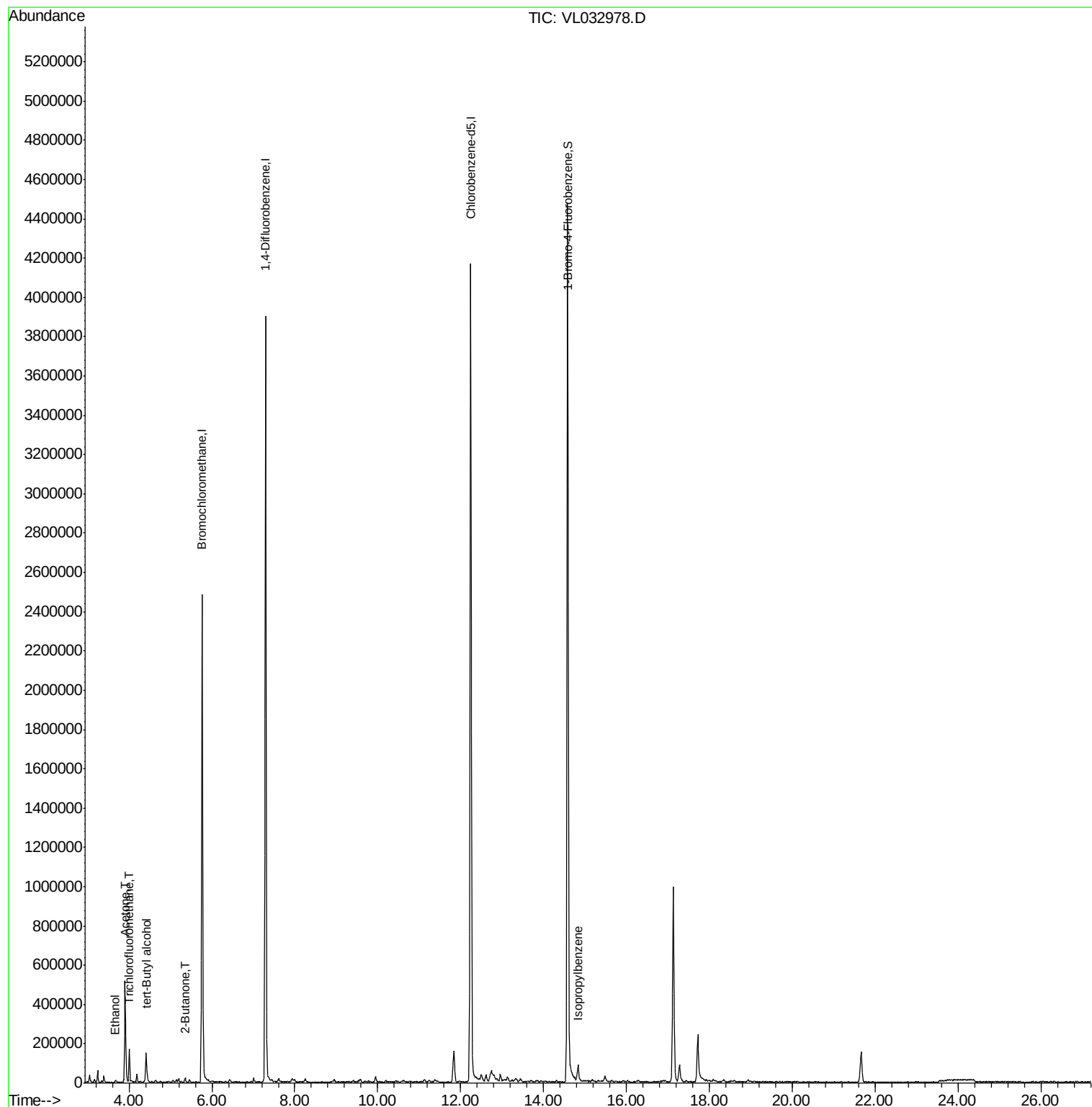
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL121118\
Data File : VL032978.D
Acq On : 12 Dec 2018 9:40
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Misc : 400ml/MSVOA L
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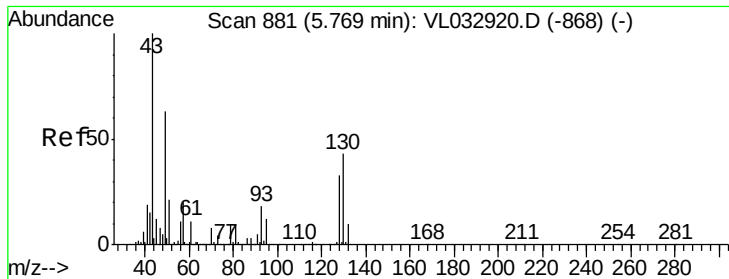
Instrument :
MSVOA_L
ClientSampleId :
A55G2DL2

Manual Integrations
APPROVED

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Quant Time: Dec 12 15:29:24 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec
QLast Update : Fri Dec 07 09:35:17 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: VL032978.D

Acq: 12 Dec 2018 9:40

Instrument :

MSVOA_L

ClientSampleId :

A55G2DL2

Tot Ion: 49 Resp: 1072768

Ion Ratio Lower Upper

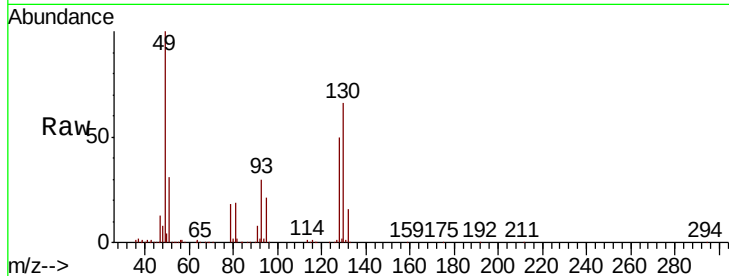
49 100

128 52.2 26.3 78.8

130 65.6 33.9 101.7

Manual Integrations
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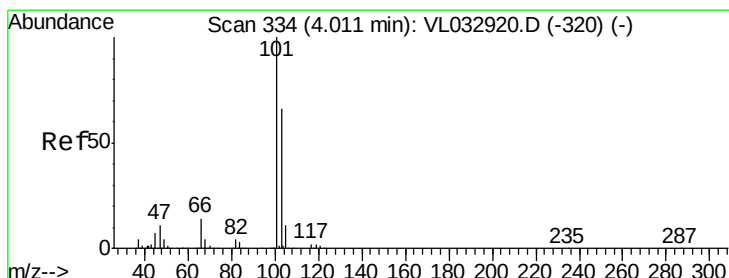
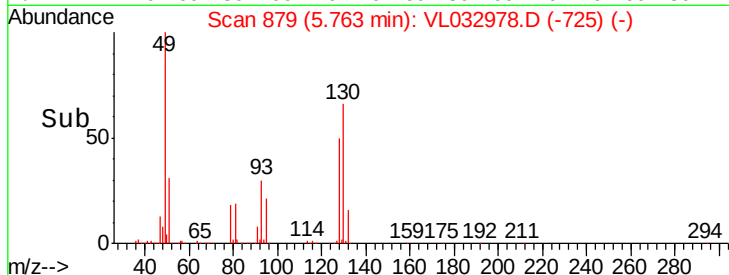
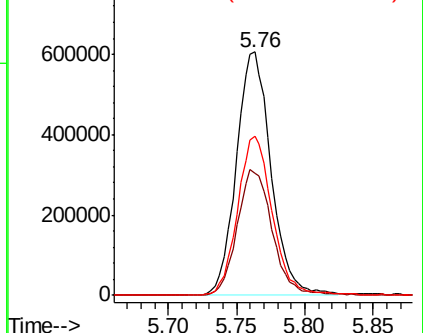
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#11

Trichlorofluoromethane

Concen: 0.803 ppbv

RT: 4.00 min Scan# 332

Delta R.T. -0.01 min

Lab File: VL032978.D

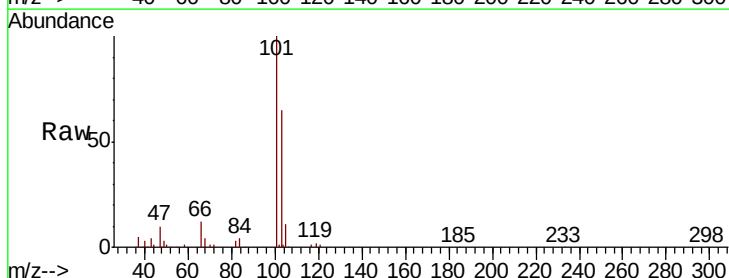
Acq: 12 Dec 2018 9:40

Tgt Ion: 101 Resp: 108413

Ion Ratio Lower Upper

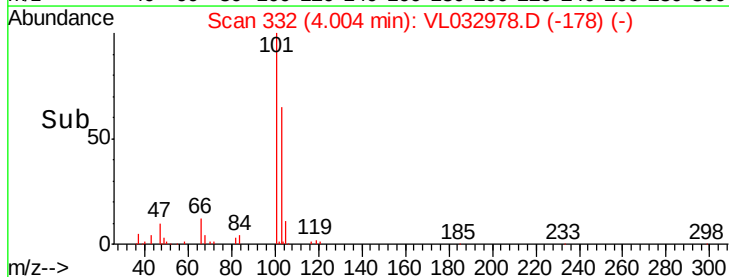
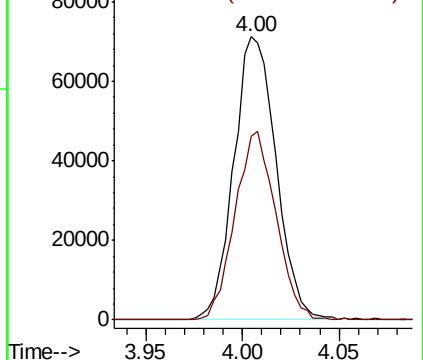
101 100

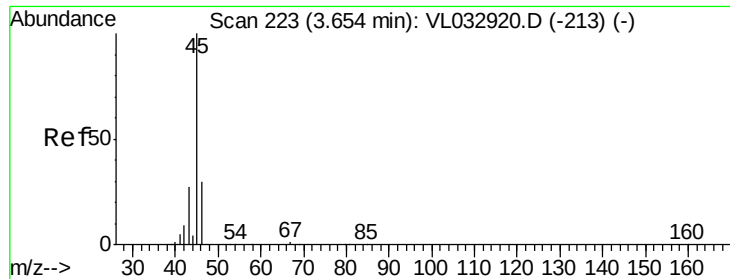
103 65.0 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





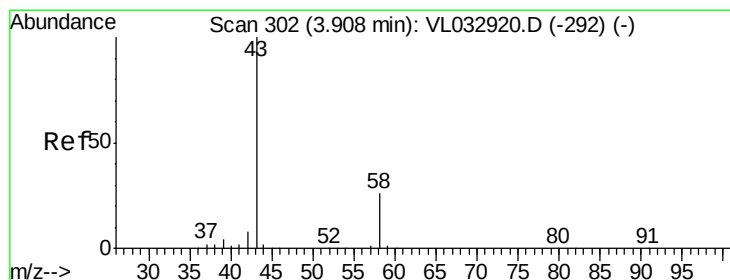
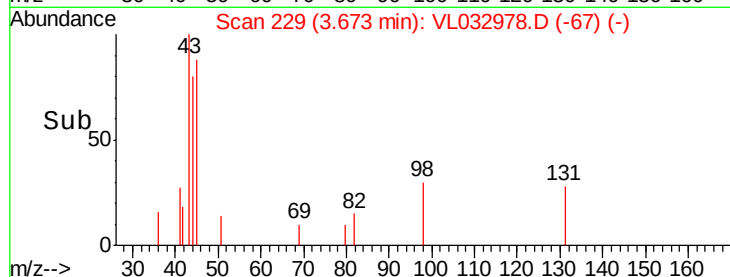
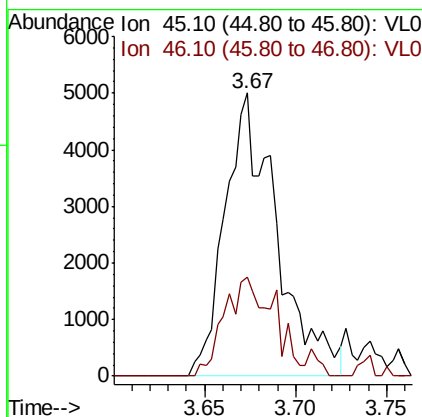
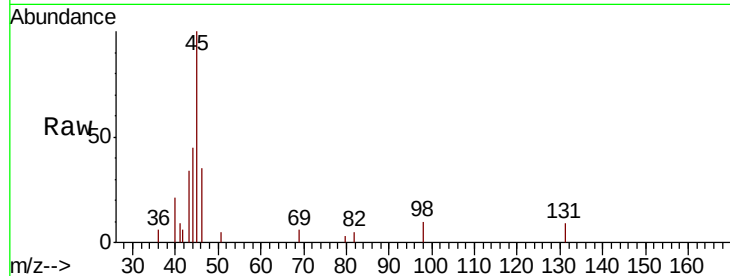
#13
Ethanol
Concen: 0.892 ppbv m
RT: 3.67 min Scan# 229
Delta R.T. 0.02 min
Lab File: VL032978.D
Acq: 12 Dec 2018 9:40

Instrument :
MSVOA_L
ClientSampleId :
A55G2DL2

Tot Ion: 45 Resp: 9861
Ion Ratio Lower Upper
45 100
46 35.7 13.8 55.4

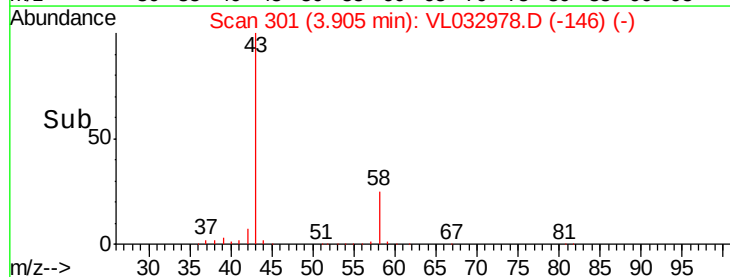
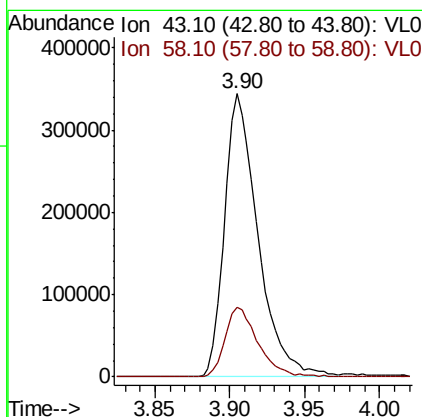
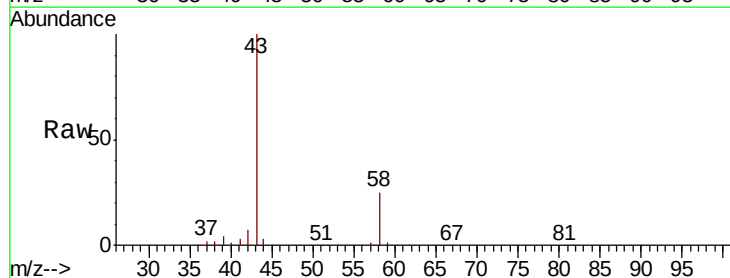
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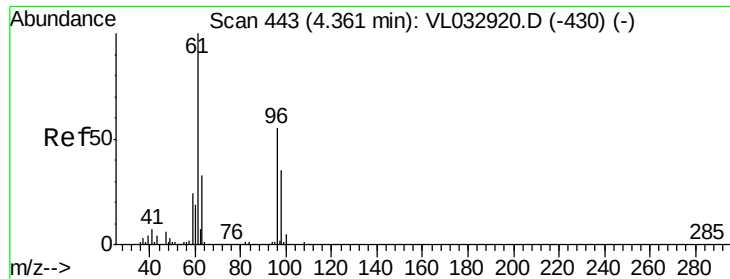
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#15
Acetone
Concen: 5.818 ppbv
RT: 3.90 min Scan# 301
Delta R.T. -0.00 min
Lab File: VL032978.D
Acq: 12 Dec 2018 9:40

Tgt Ion: 43 Resp: 535746
Ion Ratio Lower Upper
43 100
58 24.7 20.6 30.8





#17

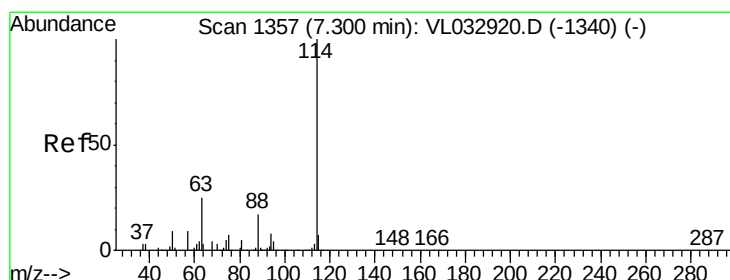
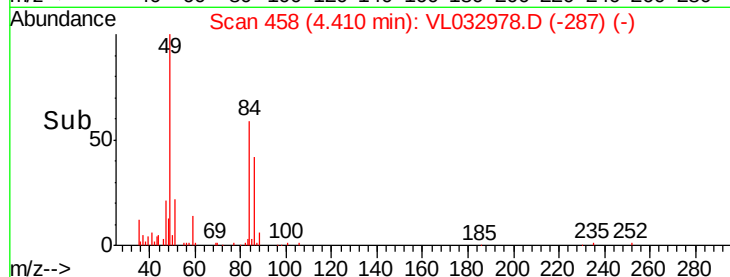
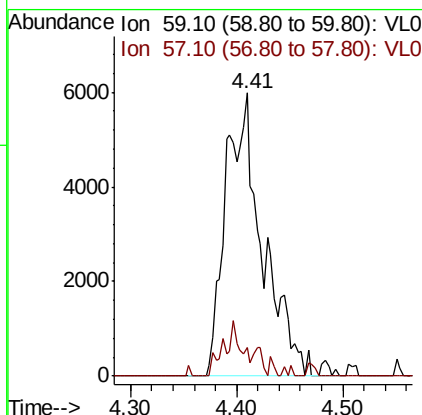
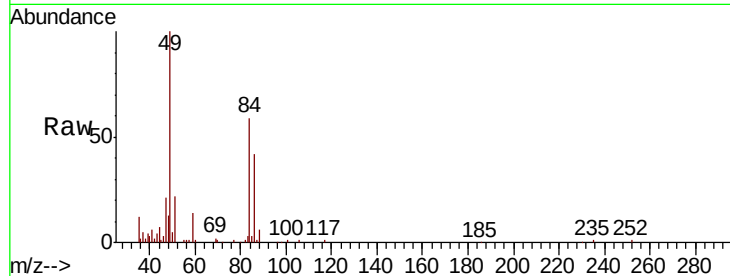
tert-Butyl alcohol
Concen: 0.623 ppbv m
RT: 4.41 min Scan# 458
Delta R.T. 0.05 min
Lab File: VL032978.D
Acq: 12 Dec 2018 9:40

Instrument :
MSVOA_L
ClientSampleId :
A55G2DL2

Tot Ion: 59 Resp: 14614
Ion Ratio Lower Upper
59 100
57 0.0 0.6 1.0#

Manual Integrations
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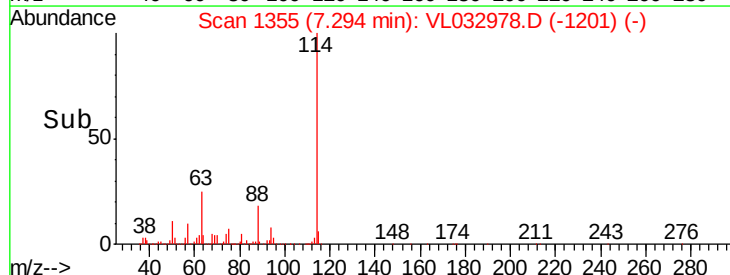
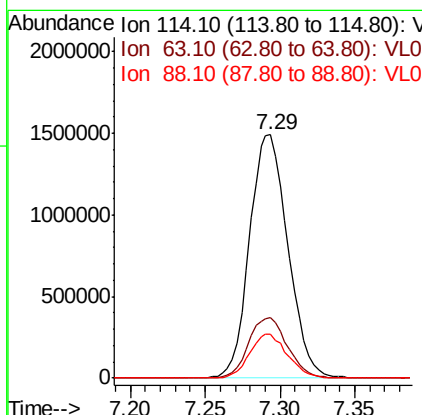
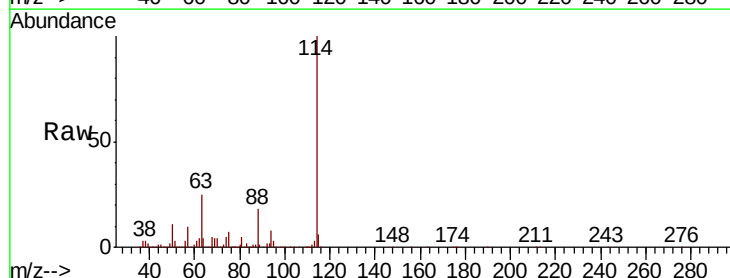
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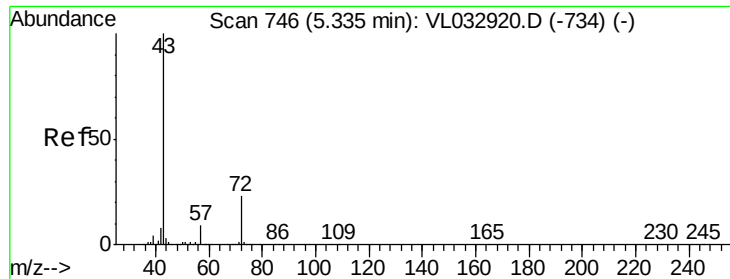


#33

1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.01 min
Lab File: VL032978.D
Acq: 12 Dec 2018 9:40

Tgt Ion: 114 Resp: 2659750
Ion Ratio Lower Upper
114 100
63 25.2 20.1 30.1
88 17.8 14.2 21.4





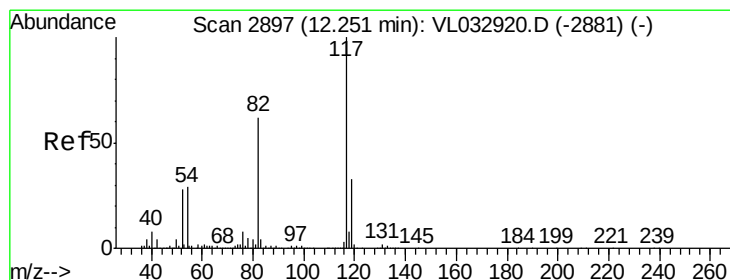
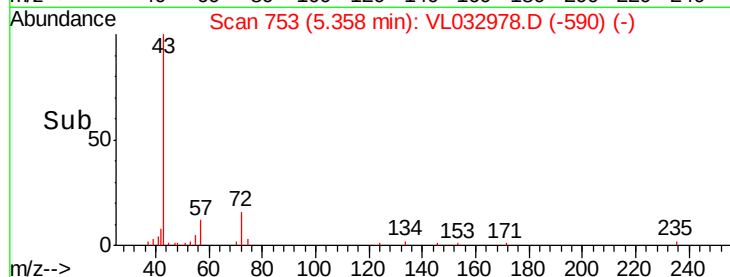
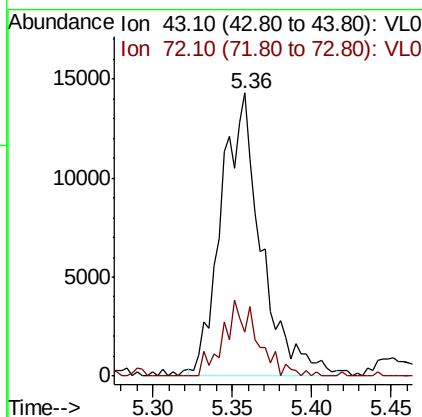
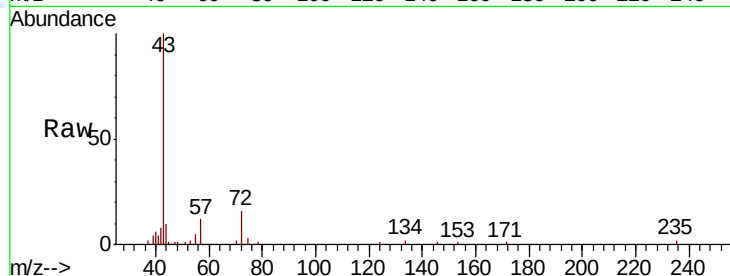
#34
2-Butanone
Concen: 0.217 ppbv m
RT: 5.36 min Scan# 753
Delta R.T. 0.02 min
Lab File: VL032978.D
Acq: 12 Dec 2018 9:40

Instrument :
MSVOA_L
ClientSampleId :
A55G2DL2

Tot Ion: 43 Resp: 25103
Ion Ratio Lower Upper
43 100
72 0.0 18.8 28.2#

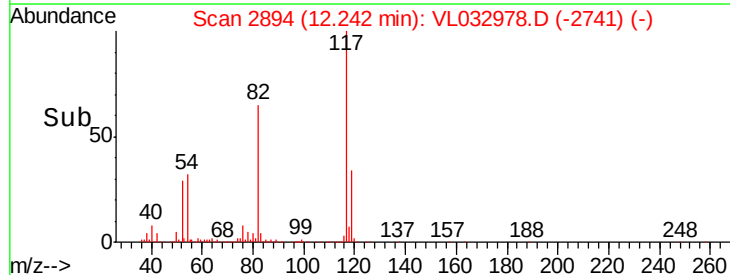
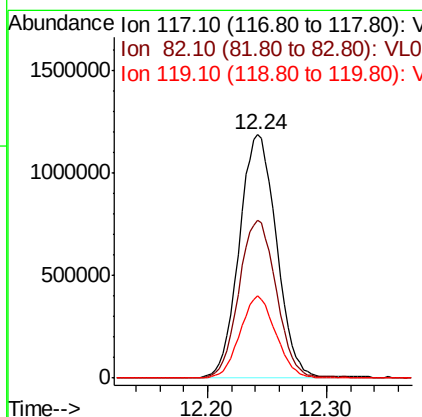
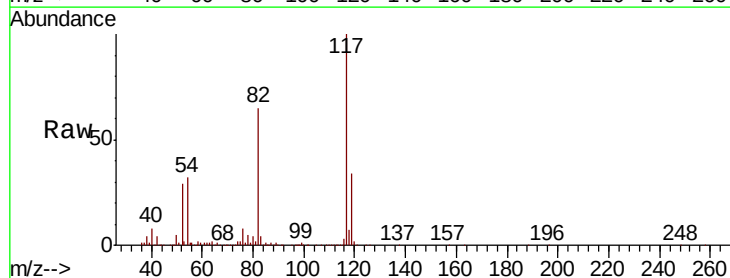
Manual Integrations
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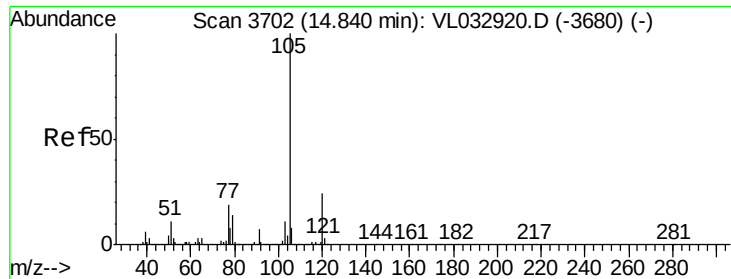
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL032978.D
Acq: 12 Dec 2018 9:40

Tgt Ion: 117 Resp: 2579167
Ion Ratio Lower Upper
117 100
82 65.5 47.8 71.8
119 32.5 43.1 64.7#





#62

Isopropylbenzene

Concen: 0.168 ppbv m

RT: 14.84 min Scan# 3701

Delta R.T. -0.00 min

Lab File: VL032978.D

Acq: 12 Dec 2018 9:40

Instrument :

MSVOA_L

ClientSampleId :

A55G2DL2

Tot Ion: 105 Resp: 59122

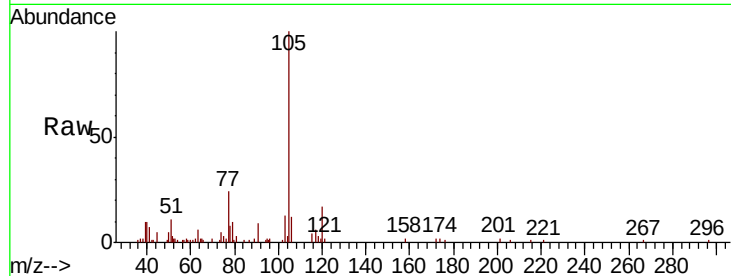
Ion Ratio Lower Upper

105 100

120 0.0 20.3 30.5#

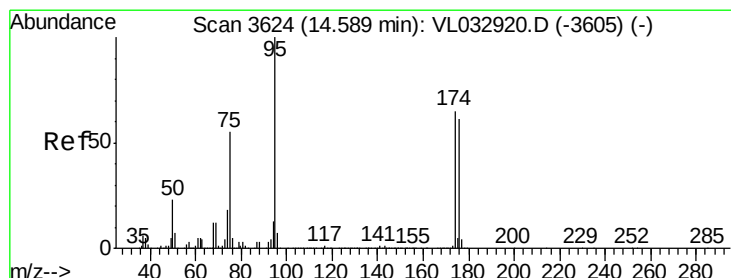
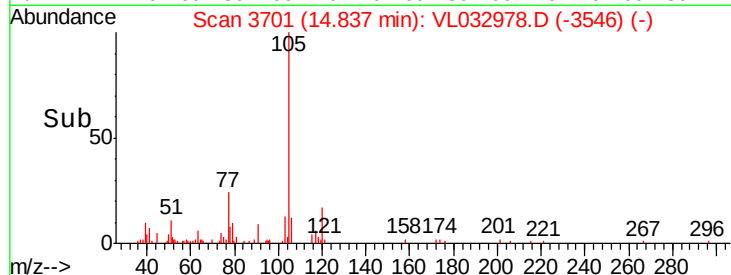
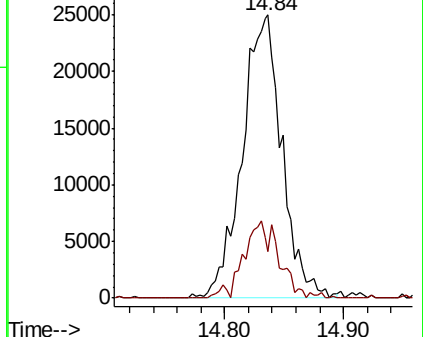
Manual Integrations
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12/13/2018 7:58:55 AM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.837 ppbv

RT: 14.58 min Scan# 3621

Delta R.T. -0.01 min

Lab File: VL032978.D

Acq: 12 Dec 2018 9:40

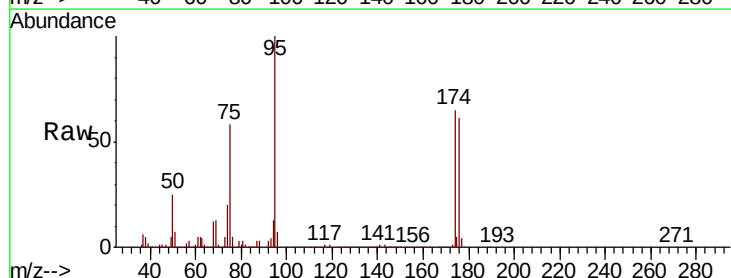
Tgt Ion: 95 Resp: 2064922

Ion Ratio Lower Upper

95 100

174 64.3 51.4 77.0

175 4.7 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

