

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040419\
 Data File : VL033537.D
 Acq On : 4 Apr 2019 17:42
 Operator : SY/AP
 Sample : K2096-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 A-1DL

Manual Integrations
 APPROVED

MMDadoda
 4/8/2019 3:22:16 AM

Quant Time: Apr 05 02:31:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 2019
 QLast Update : Tue Mar 26 16:00:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1217996	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2862931	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2842443	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	2225253	9.99	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.05	41	7608	0.129	ppbv #	65
13) Ethanol	3.65	45	206635	13.560	ppbv	65
15) Acetone	3.90	43	134258	0.917	ppbv	100
19) Isopropyl Alcohol	4.04	45	46462	0.502	ppbv #	91
20) Methylene Chloride	4.41	84	57508	0.925	ppbv	88
26) Hexane	5.78	57	67286	0.557	ppbv #	46
53) Toluene	9.94	91	98769m	0.354	ppbv	

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

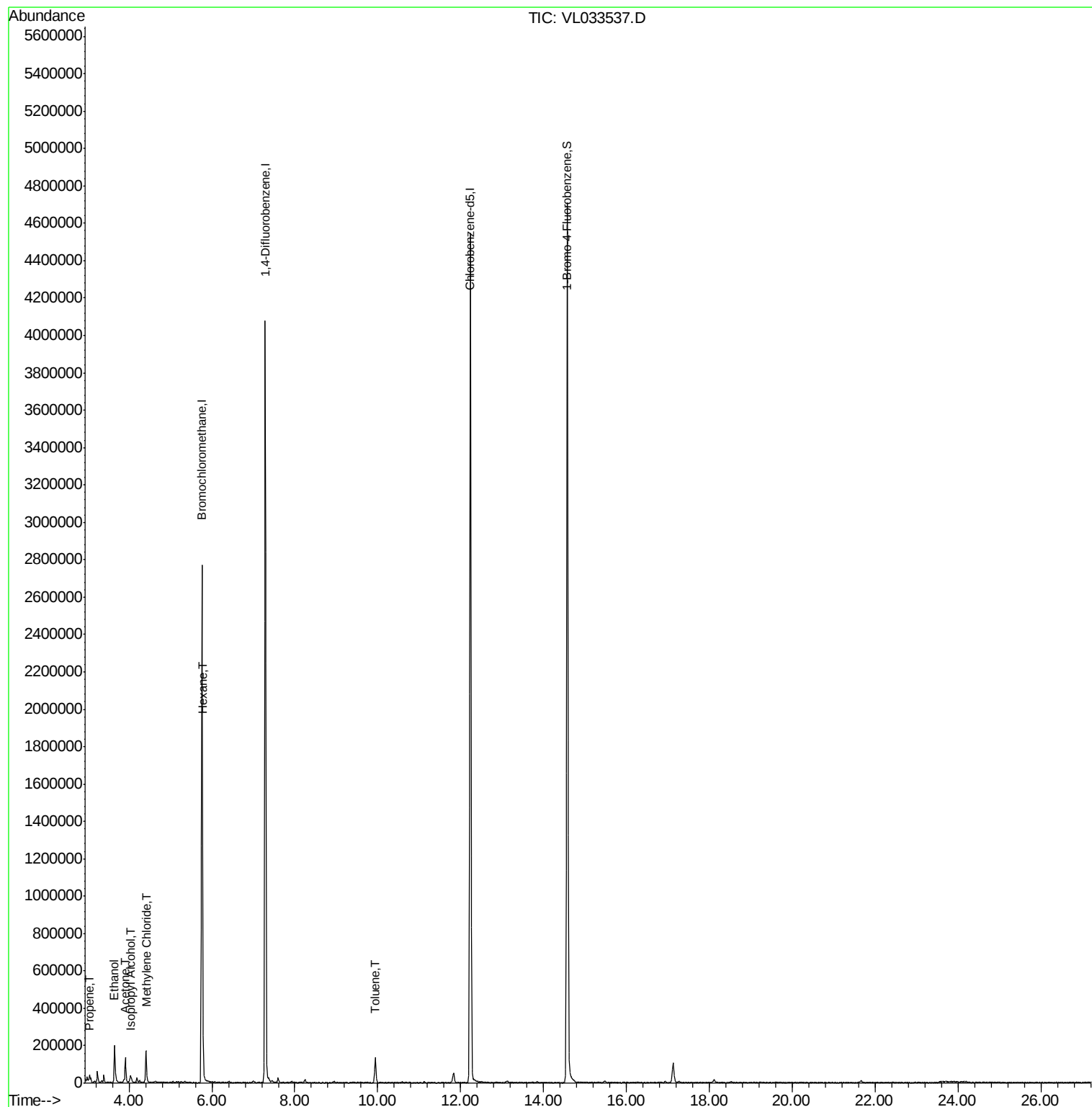
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040419\
Data File : VL033537.D
Acq On : 4 Apr 2019 17:42
Operator : SY/AP
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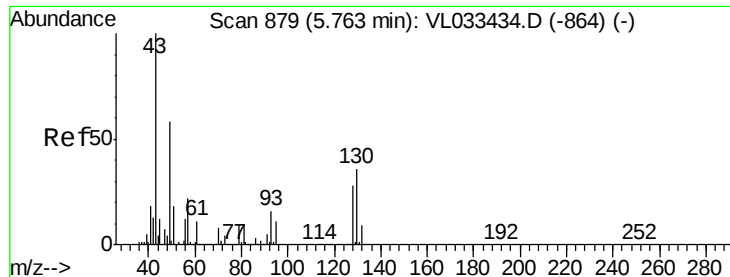
Instrument :
MSVOA_L
ClientSampleId :
A-1DL

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QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033537.D

Acq: 4 Apr 2019 17:42

Instrument :

MSVOA_L

ClientSampled :

A-1DL

Tot Ion: 49 Resp: 1217996

Ion Ratio Lower Upper

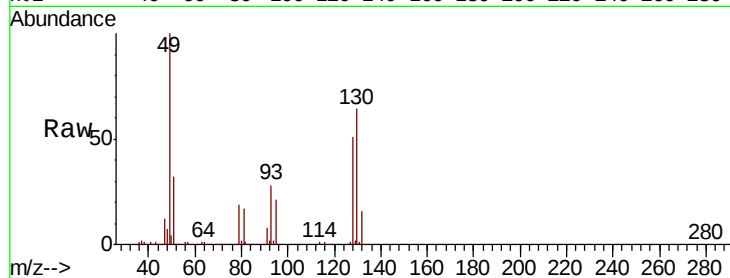
49 100

128 49.7 24.0 72.0

130 63.7 31.2 93.6

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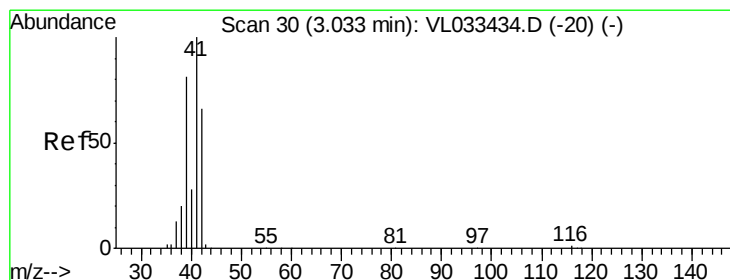
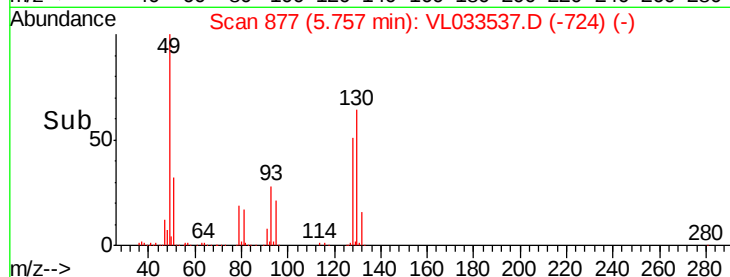
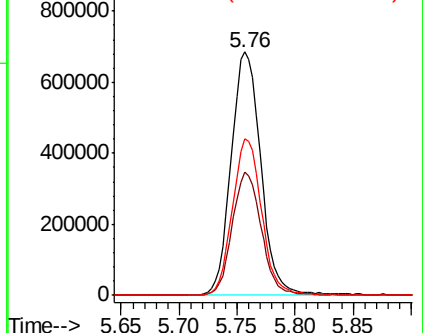
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.129 ppbv

RT: 3.05 min Scan# 34

Delta R.T. 0.01 min

Lab File: VL033537.D

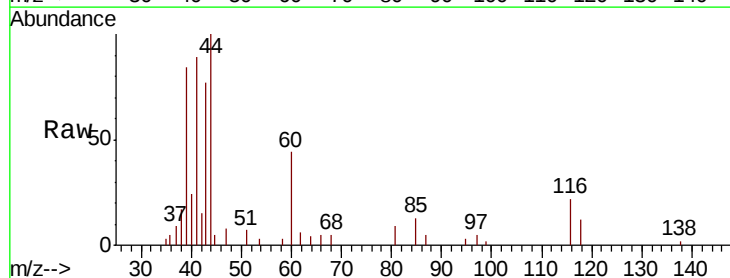
Acq: 4 Apr 2019 17:42

Tgt Ion: 41 Resp: 7608

Ion Ratio Lower Upper

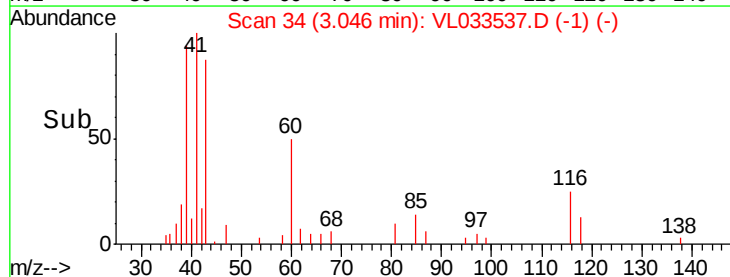
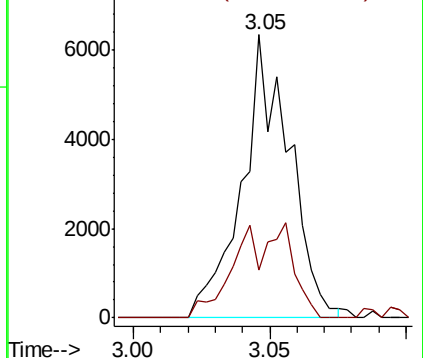
41 100

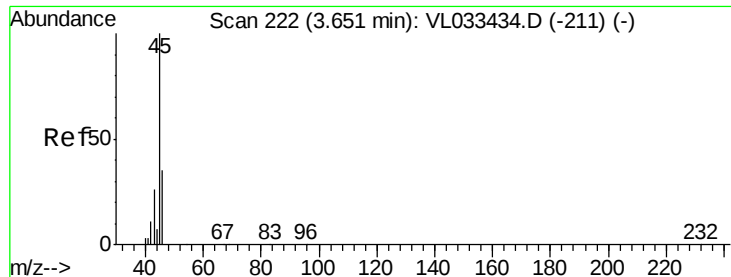
42 39.0 53.9 80.9#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





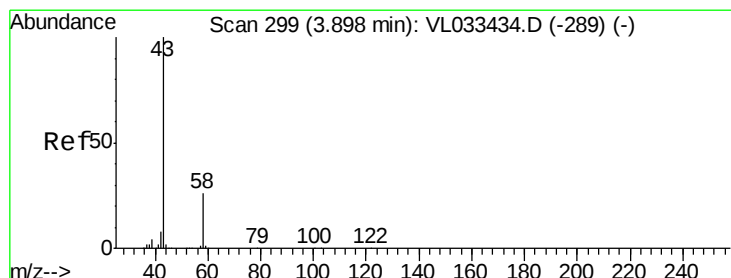
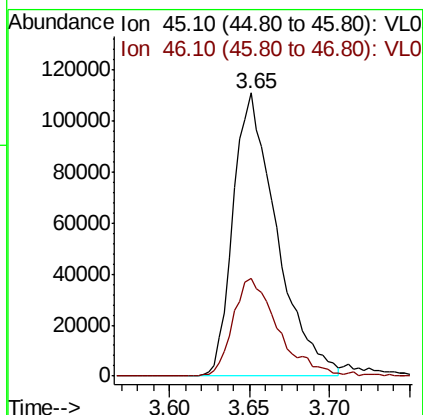
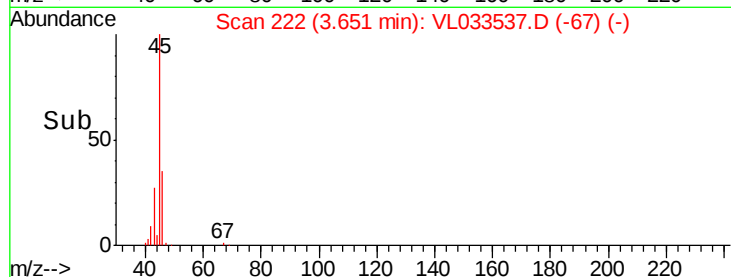
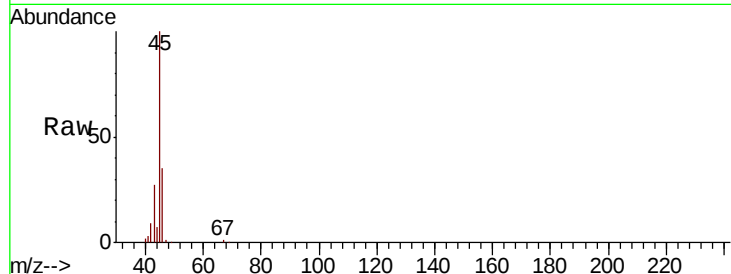
#13
Ethanol
Concen: 13.560 ppbv
RT: 3.65 min Scan# 222
Delta R.T. -0.00 min
Lab File: VL033537.D
Acq: 4 Apr 2019 17:42

Instrument :
MSVOA_L
ClientSampleId :
A-1DL

Tot Ion	45	Resp	206635
Ion Ratio	100	Lower	Upper
46	36.1	25.4	101.8

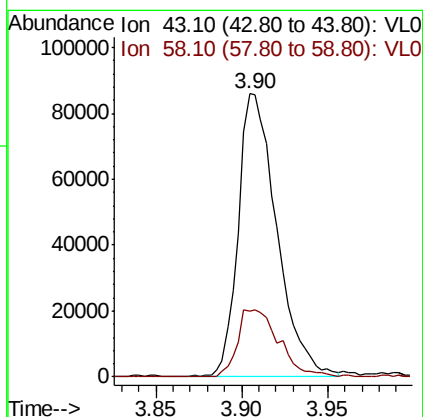
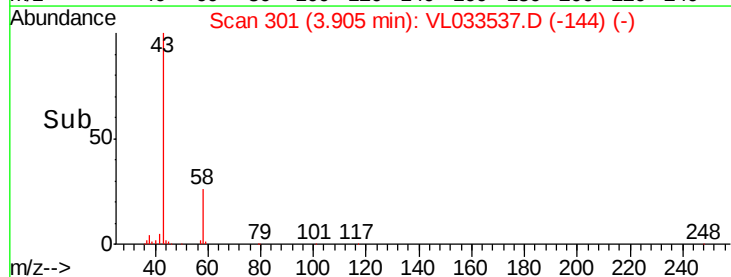
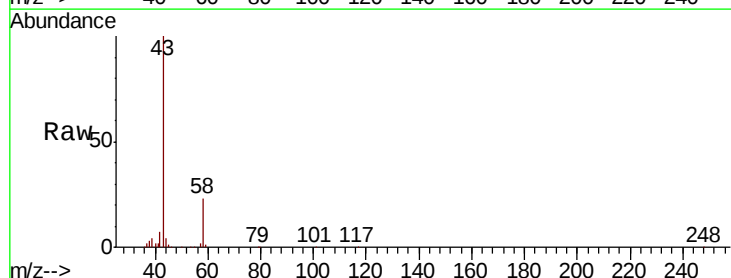
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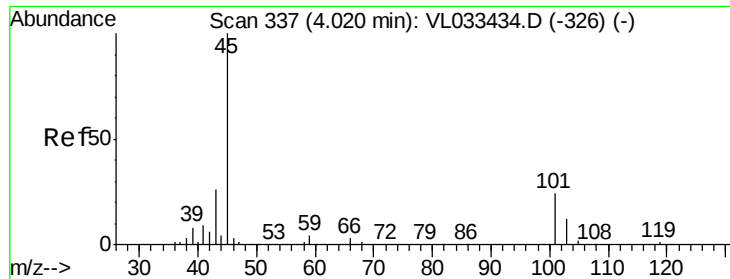
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#15
Acetone
Concen: 0.917 ppbv
RT: 3.90 min Scan# 301
Delta R.T. 0.01 min
Lab File: VL033537.D
Acq: 4 Apr 2019 17:42

Tgt Ion	43	Resp	134258
Ion Ratio	100	Lower	Upper
58	25.7	20.5	30.7





#19

Isopropyl Alcohol

Concen: 0.502 ppbv

RT: 4.04 min Scan# 343

Delta R.T. 0.02 min

Lab File: VL033537.D

Acq: 4 Apr 2019 17:42

Instrument :

MSVOA_L

ClientSampled :

A-1DL

Tot Ion: 45 Resp: 46462

Ion Ratio Lower Upper

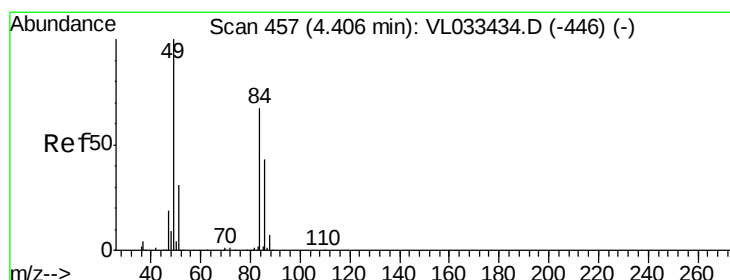
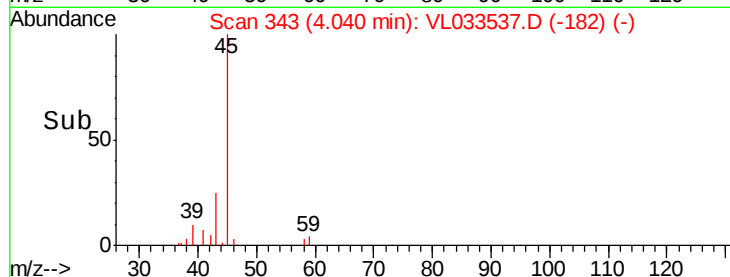
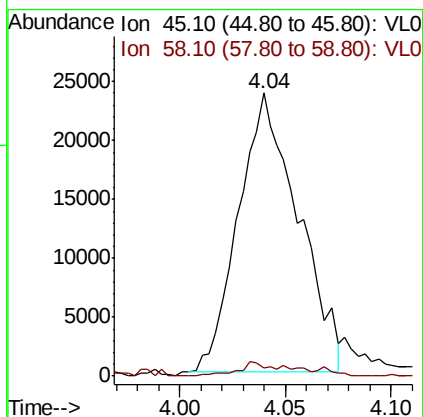
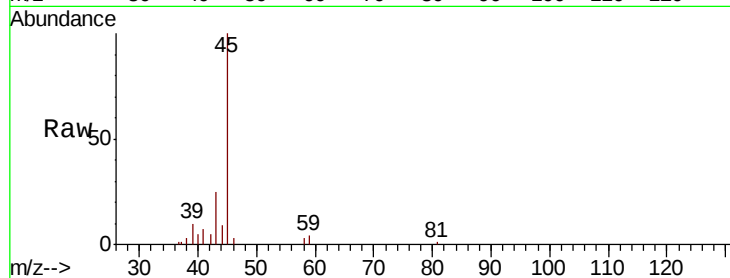
45 100

58 5.0 1.4 2.2#

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#20

Methylene Chloride

Concen: 0.925 ppbv

RT: 4.41 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL033537.D

Acq: 4 Apr 2019 17:42

Tgt Ion: 84 Resp: 57508

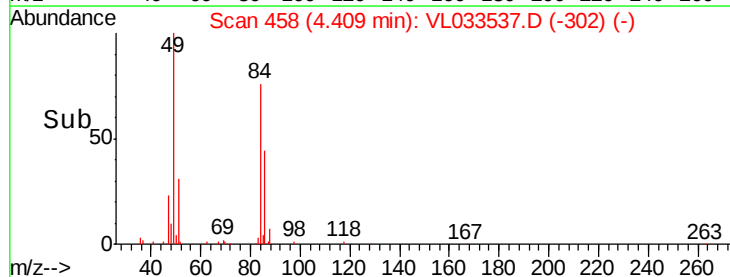
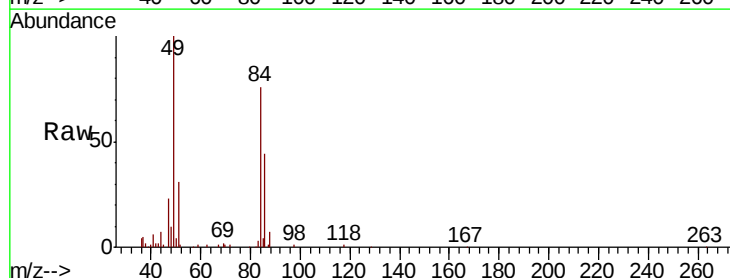
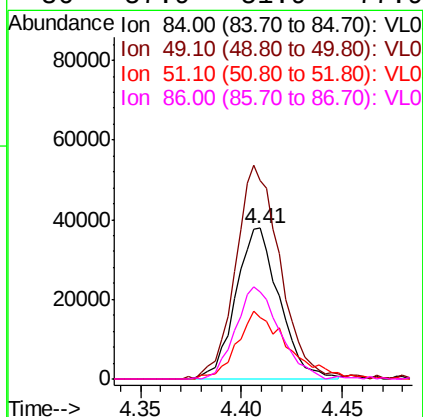
Ion Ratio Lower Upper

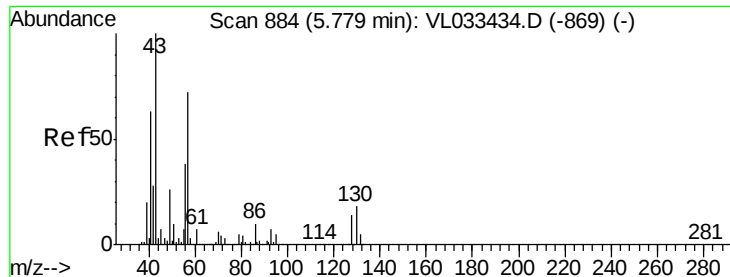
84 100

49 130.6 120.0 180.0

51 40.8 36.7 55.1

86 57.9 51.9 77.9





#26

Hexane

Concen: 0.557 ppbv

RT: 5.78 min Scan# 884

Delta R.T. -0.00 min

Lab File: VL033537.D

Acq: 4 Apr 2019 17:42

Instrument :

MSVOA_L

ClientSampleId :

A-1DL

Tot Ion: 57 Resp: 67286

Ion Ratio Lower Upper

57 100

41 91.8 70.7 106.1

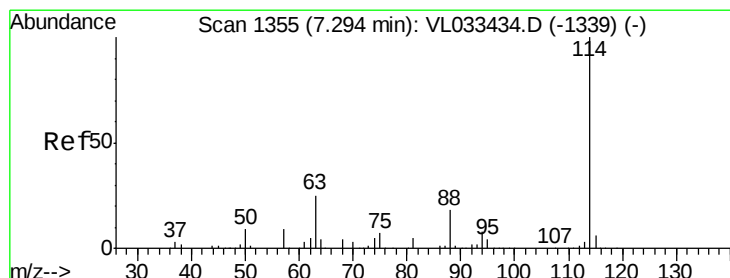
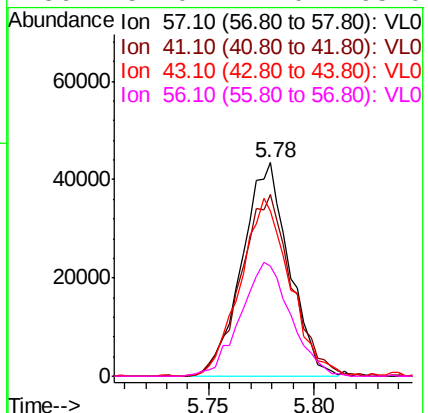
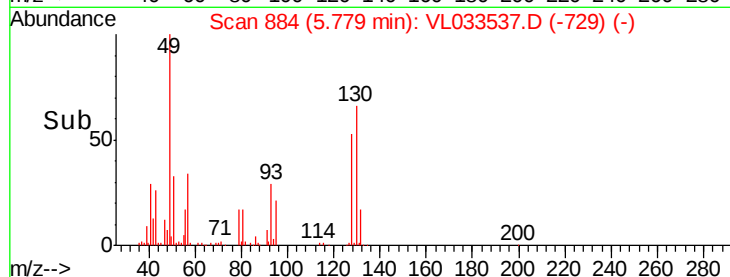
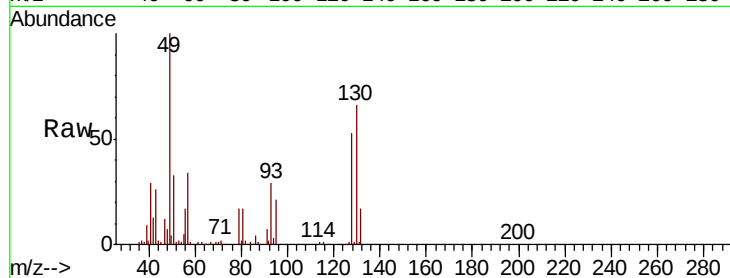
43 88.1 182.6 274.0#

56 57.0 42.0 63.0

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1353

Delta R.T. -0.01 min

Lab File: VL033537.D

Acq: 4 Apr 2019 17:42

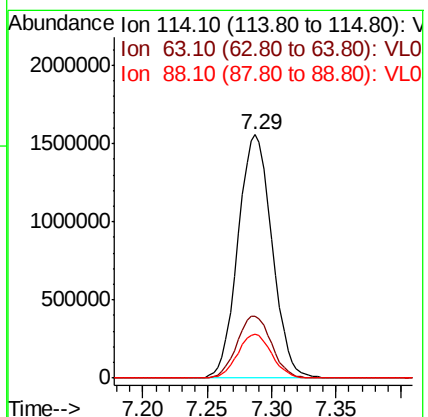
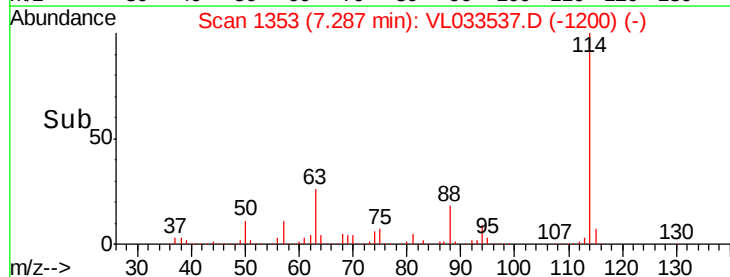
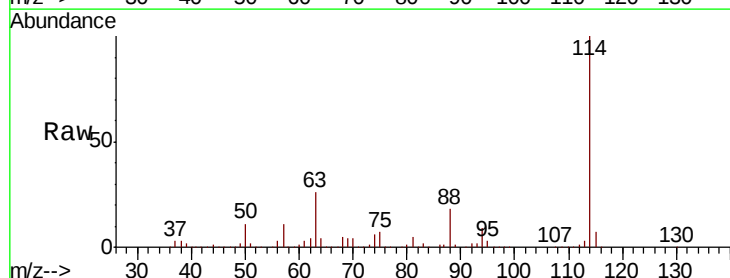
Tgt Ion: 114 Resp: 2862931

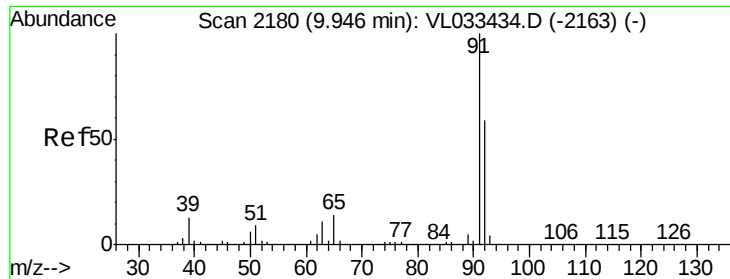
Ion Ratio Lower Upper

114 100

63 25.7 21.5 32.3

88 18.1 14.5 21.7





#53

Toluene

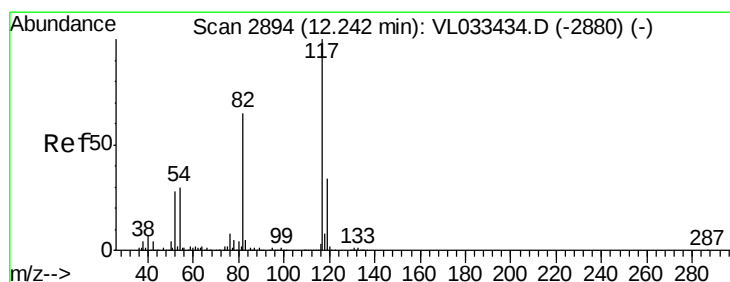
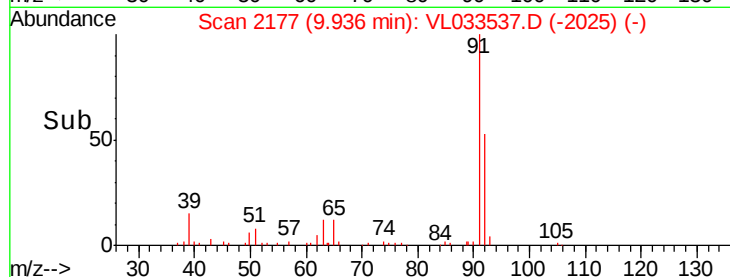
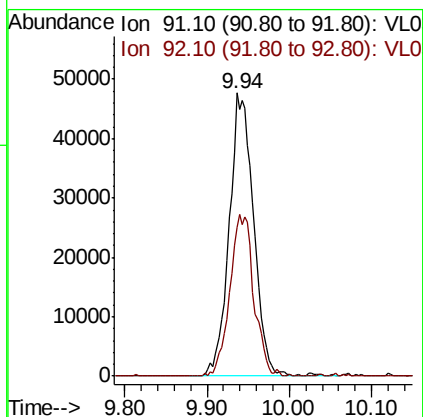
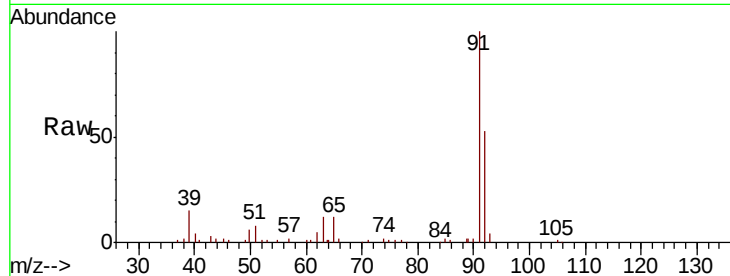
Concen: 0.354 ppbv m
 RT: 9.94 min Scan# 2177
 Delta R.T. -0.01 min
 Lab File: VL033537.D
 Acq: 4 Apr 2019 17:42

Instrument :
 MSVOA_L
 ClientSampled :
 A-1DL

Tot Ion: 91 Resp: 98769
 Ion Ratio Lower Upper
 91 100
 92 0.0 47.4 71.0#

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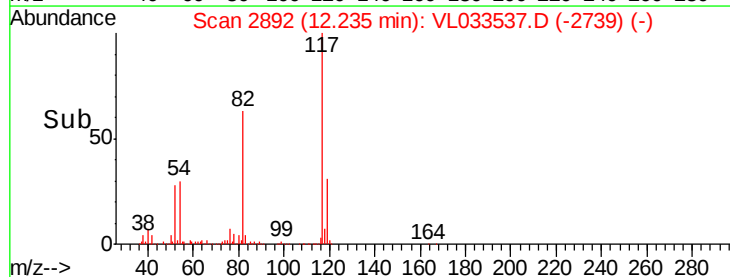
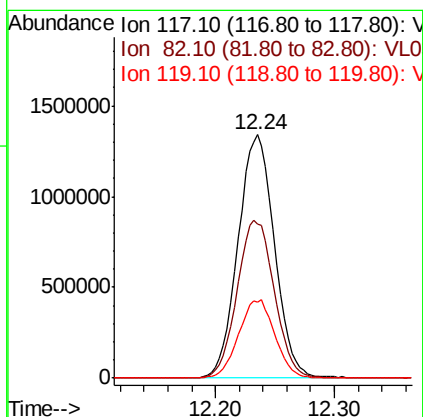
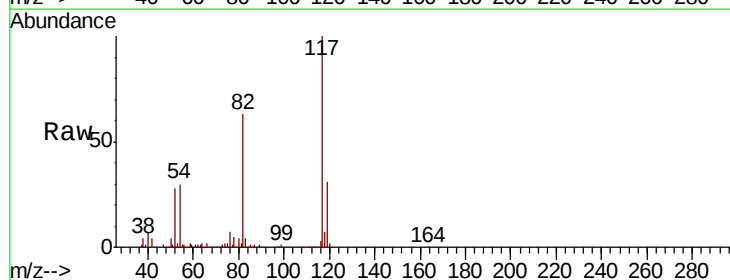


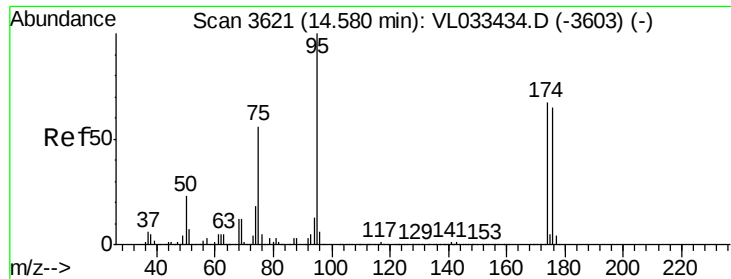
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
 RT: 12.24 min Scan# 2892
 Delta R.T. -0.01 min
 Lab File: VL033537.D
 Acq: 4 Apr 2019 17:42

Tgt Ion: 117 Resp: 2842443
 Ion Ratio Lower Upper
 117 100
 82 66.5 51.5 77.3
 119 32.3 25.5 38.3





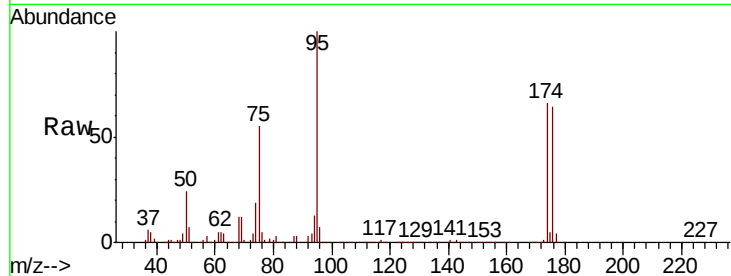
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.986 ppbv
 RT: 14.57 min Scan# 3618
 Delta R.T. -0.01 min
 Lab File: VL033537.D
 Acq: 4 Apr 2019 17:42

Instrument :
 MSVOA_L
 ClientSampleId :
 A-1DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	67.3	52.9	79.3
175	4.9	3.8	5.6

Manual Integrations
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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

