

Data File : VL033892.D
Acq On : 7 Jun 2019 16:57
Operator : SY/AP
Sample : CAN 10747
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
CAN 10747

Quant Time: Jun 08 04:20:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL060719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 07 08:53:27 2019
QLast Update : Fri Jun 07 08:53:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	848856	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.27	114	1922085	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.22	117	1939847	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.56	95	1589330	9.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.65	45	526	0.043	ppbv #	37
15) Acetone	3.91	43	14974	0.121	ppbv #	65
20) Methylene Chloride	4.40	84	10273	0.213	ppbv	88
26) Hexane	5.76	57	4035	0.047	ppbv #	30
30) Cyclohexane	7.27	84	8274	0.136	ppbv #	1
39) 1,2-Dichloropropane	7.27	63	519115	9.161	ppbv #	26

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

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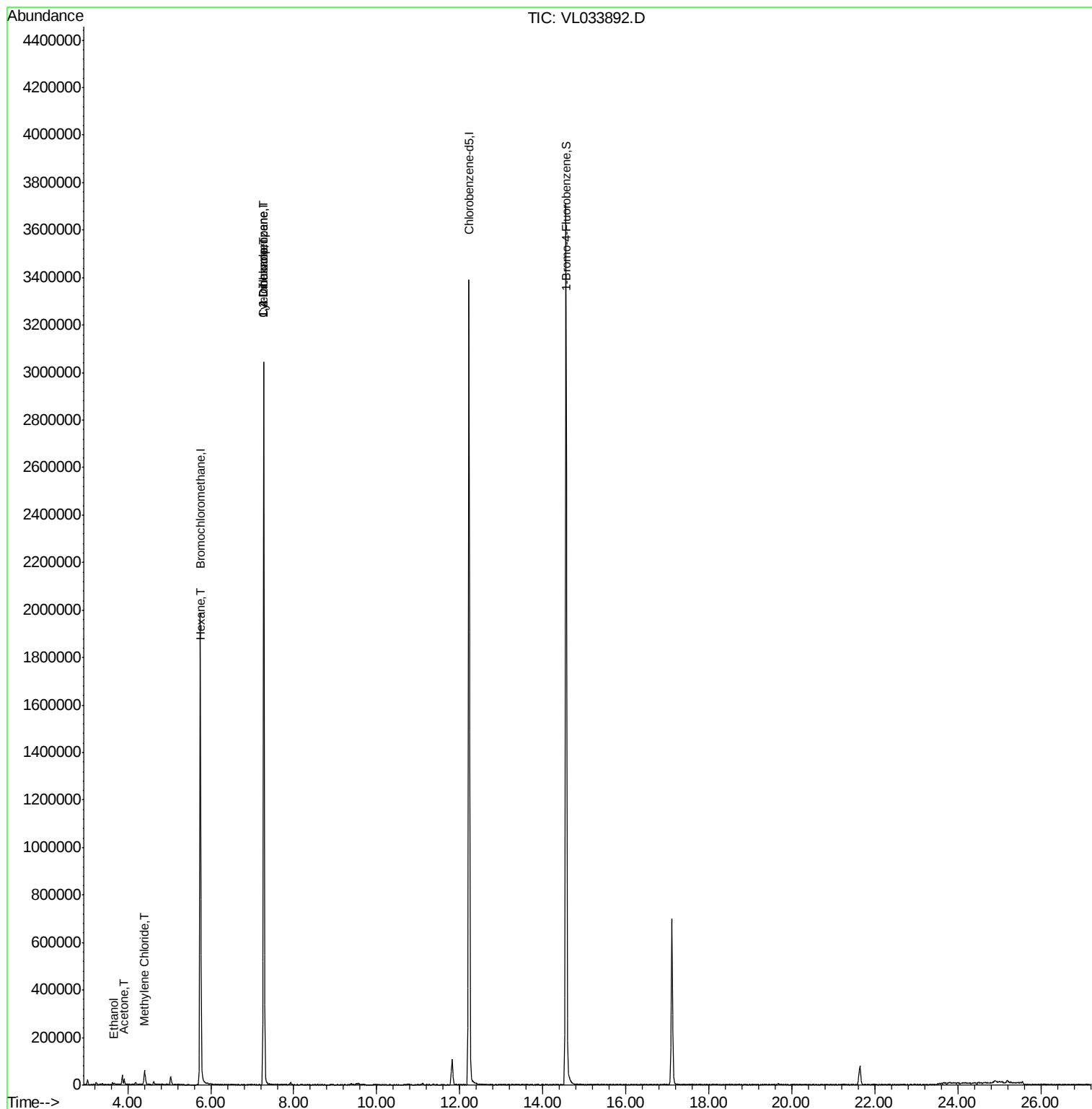
Quant Time: Jun 08 04:20:32 2019

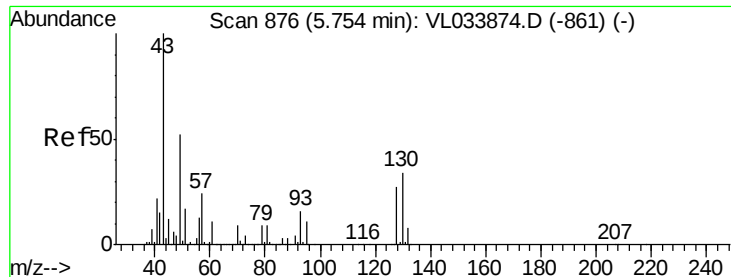
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL060719AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 07 08:53:27 2019

QLast Update : Fri Jun 07 08:53:27 2019

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 874

Delta R.T. -0.01 min

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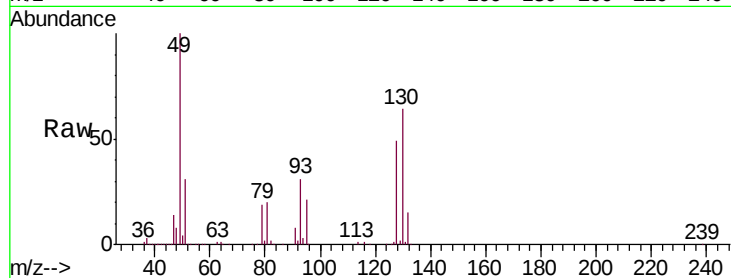
Tgt Ion: 49 Resp: 848856

Ion Ratio Lower Upper

49 100

128 49.8 25.5 76.5

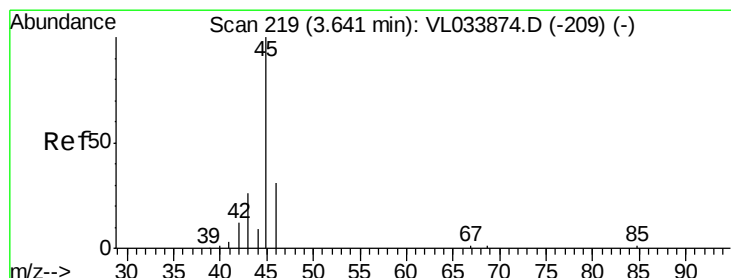
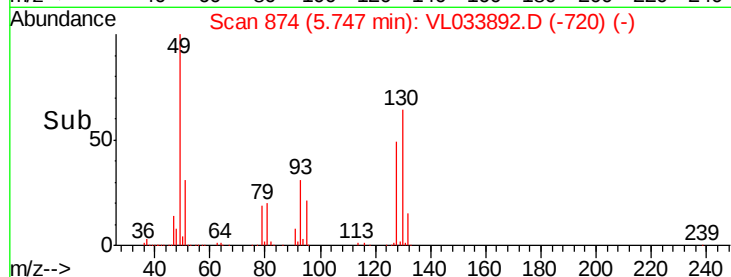
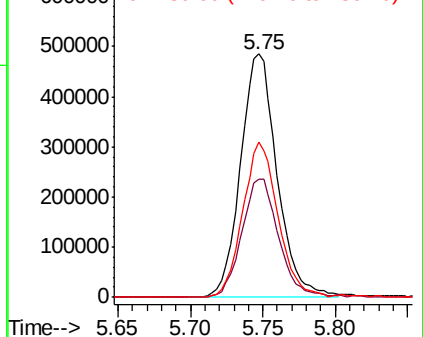
130 63.1 32.5 97.4



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



#13

Ethanol

Concen: 0.043 ppbv

RT: 3.65 min Scan# 223

Delta R.T. 0.01 min

Lab File: VL033892.D

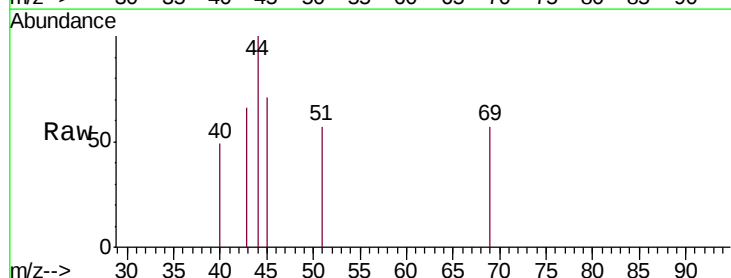
Acq: 7 Jun 2019 16:57

Tgt Ion: 45 Resp: 526

Ion Ratio Lower Upper

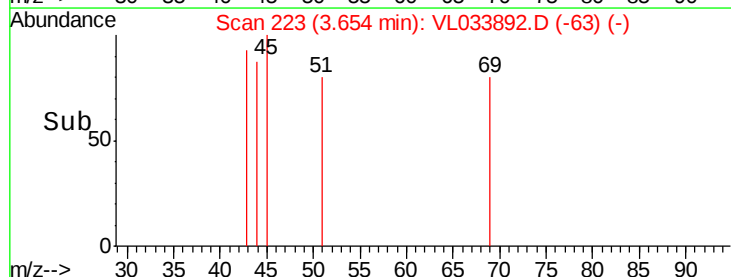
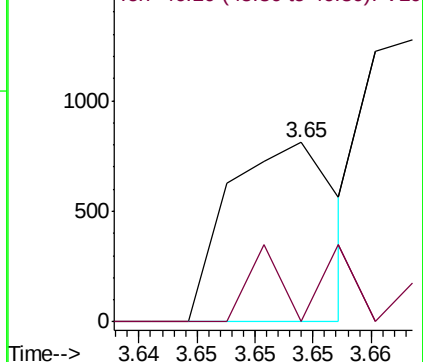
45 100

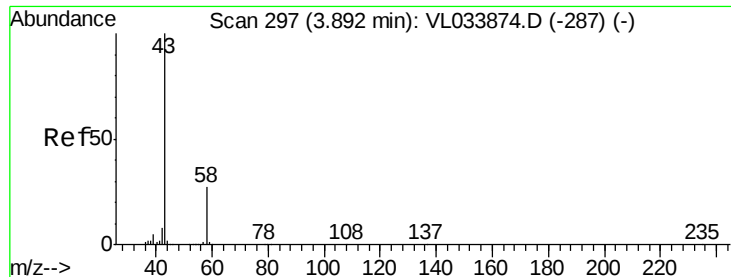
46 0.0 15.3 61.1#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.121 ppbv

RT: 3.91 min Scan# 303

Delta R.T. 0.02 min

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ClientSampleId :

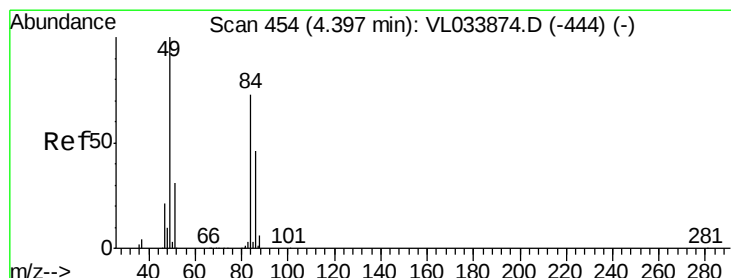
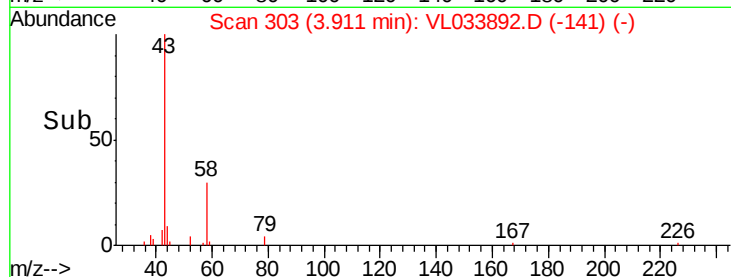
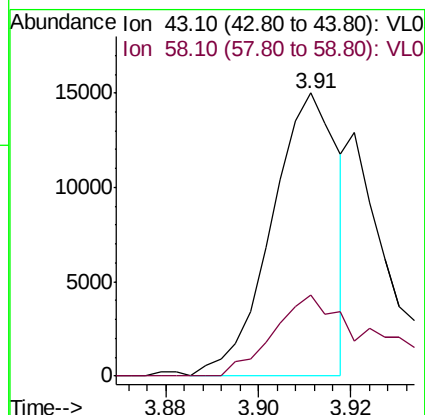
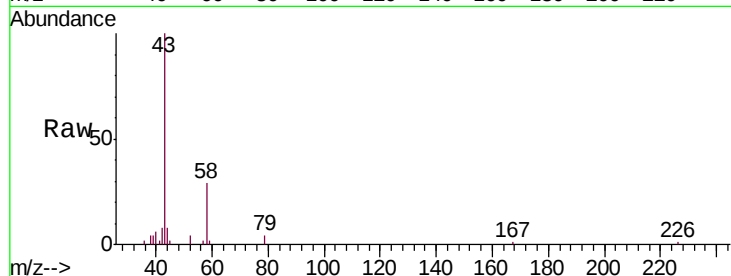
CAN 10747

Tgt Ion: 43 Resp: 14974

Ion Ratio Lower Upper

43 100

58 44.6 21.3 31.9#



#20

Methylene Chloride

Concen: 0.213 ppbv

RT: 4.40 min Scan# 454

Delta R.T. 0.00 min

Lab File: VL033892.D

Acq: 7 Jun 2019 16:57

Tgt Ion: 84 Resp: 10273

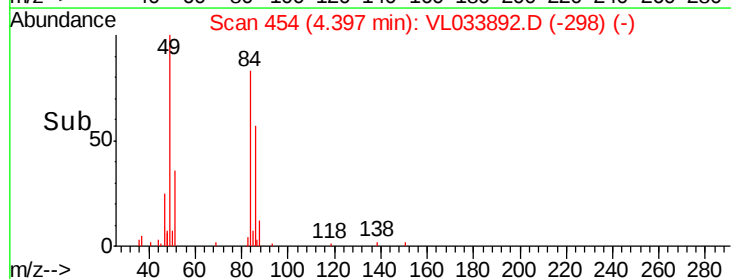
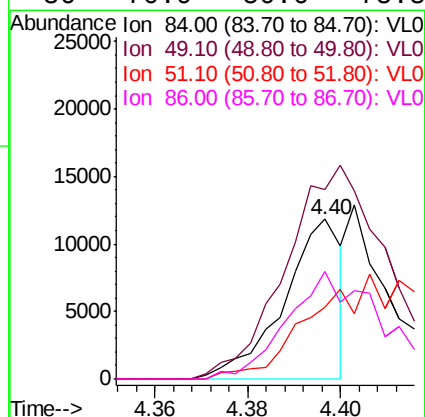
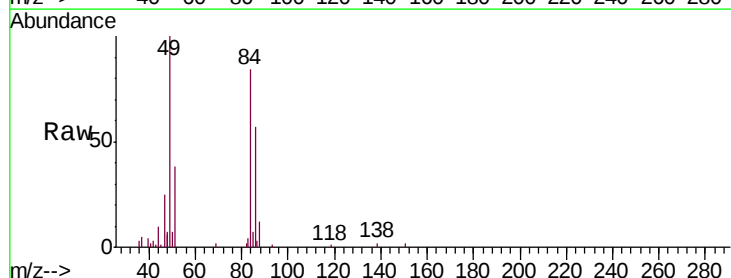
Ion Ratio Lower Upper

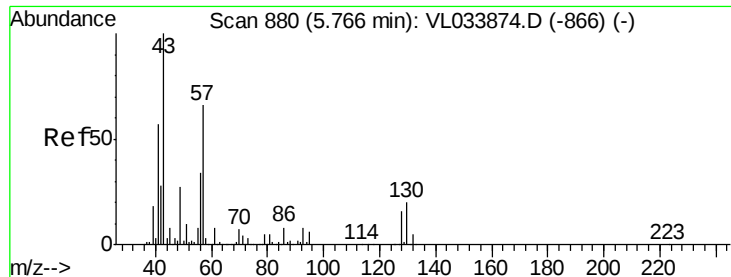
84 100

49 118.8 110.0 165.0

51 44.8 34.6 51.8

86 70.9 50.6 75.8





#26

Hexane

Concen: 0.047 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.00 min

Lab File: VL033892.D

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Instrument :

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ClientSampleId :

CAN 10747

Tgt Ion: 57 Resp: 4035

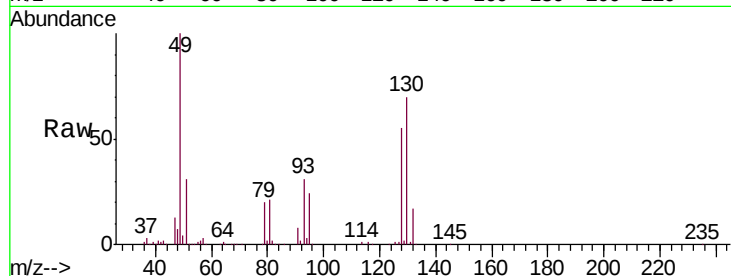
Ion Ratio Lower Upper

57 100

41 221.7 71.4 107.2#

43 177.3 183.7 275.5#

56 137.6 42.7 64.1#

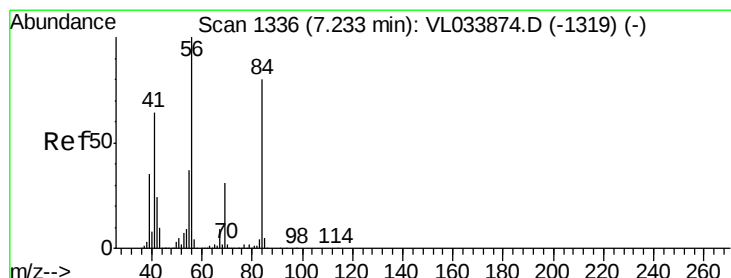
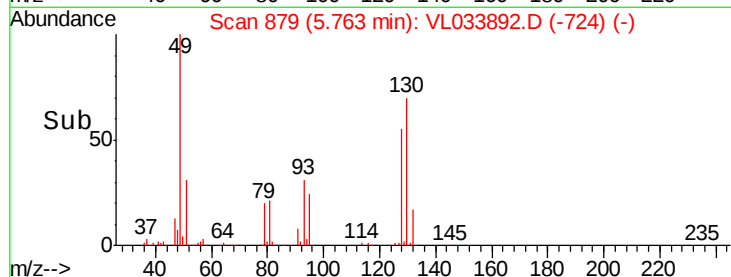
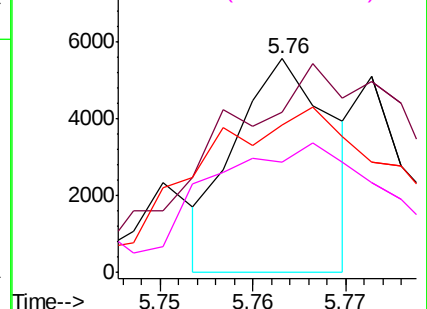


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#30

Cyclohexane

Concen: 0.136 ppbv

RT: 7.27 min Scan# 1347

Delta R.T. 0.04 min

Lab File: VL033892.D

Acq: 7 Jun 2019 16:57

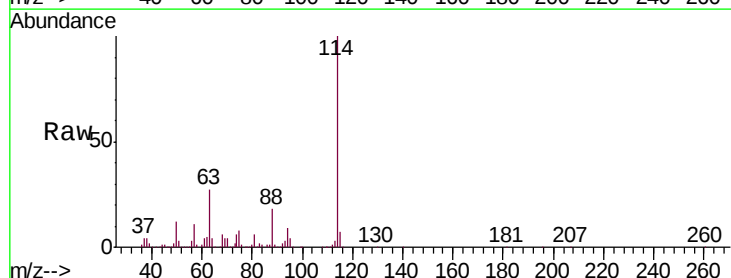
Tgt Ion: 84 Resp: 8274

Ion Ratio Lower Upper

84 100

56 683.3 105.8 158.8#

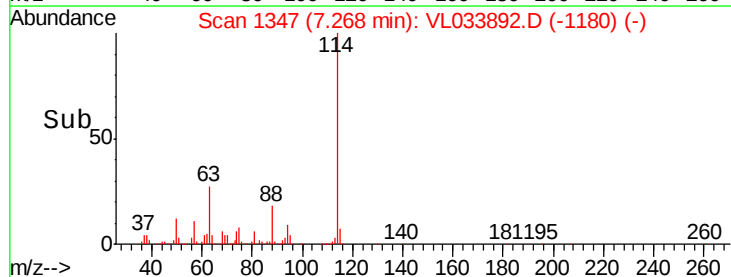
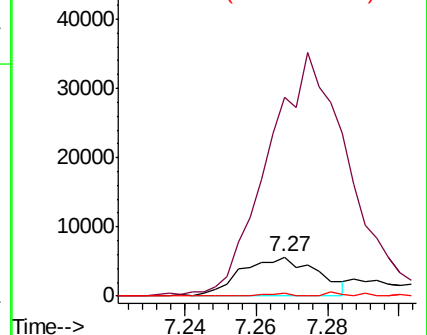
41 0.7 65.7 98.5#

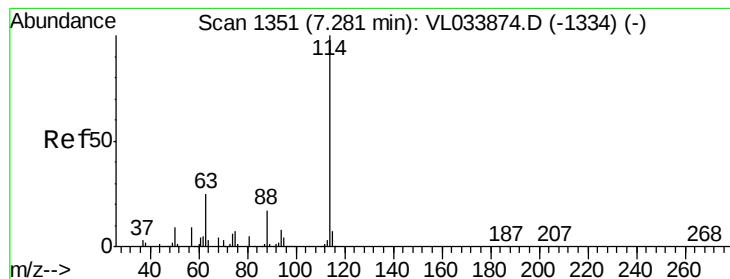


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.27 min Scan# 1349

Delta R.T. -0.01 min

Lab File: VL033892.D

Acq: 7 Jun 2019 16:57

Instrument :

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ClientSampleId :

CAN 10747

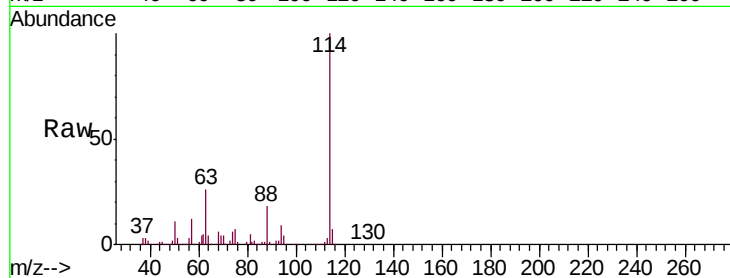
Tgt Ion:114 Resp: 1922085

Ion Ratio Lower Upper

114 100

63 27.1 21.1 31.7

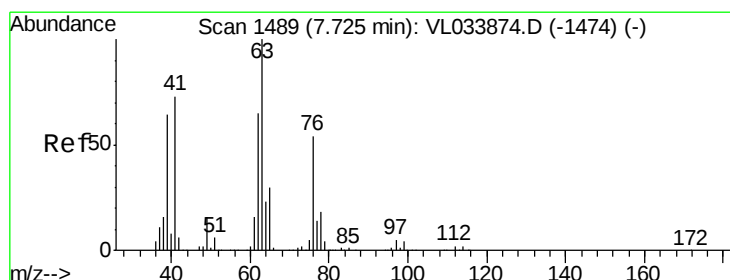
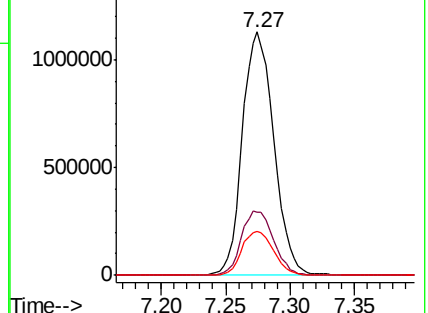
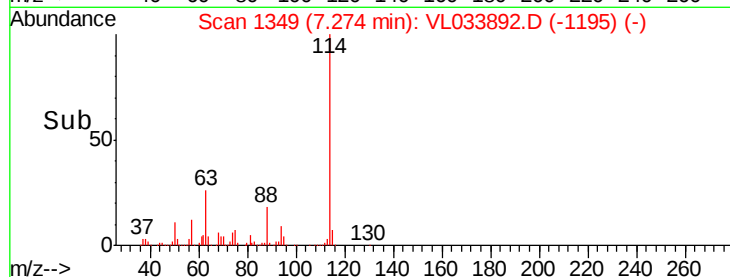
88 18.4 14.2 21.4



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#39

1,2-Dichloropropane

Concen: 9.161 ppbv

RT: 7.27 min Scan# 1348

Delta R.T. -0.45 min

Lab File: VL033892.D

Acq: 7 Jun 2019 16:57

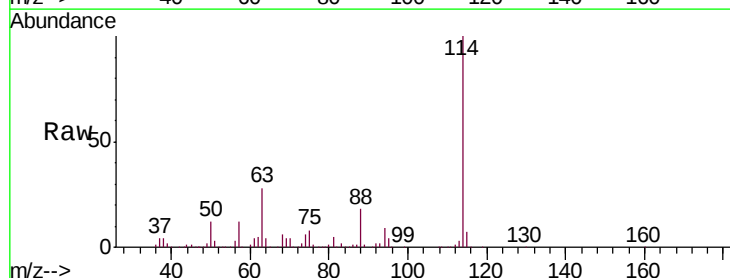
Tgt Ion: 63 Resp: 519115

Ion Ratio Lower Upper

63 100

41 0.0 58.7 88.1#

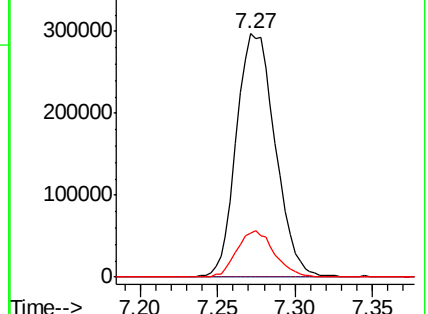
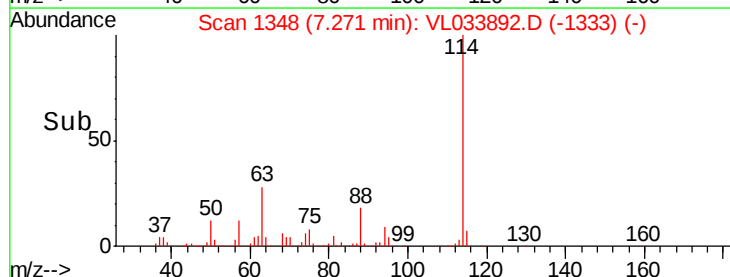
62 18.1 51.9 77.9#

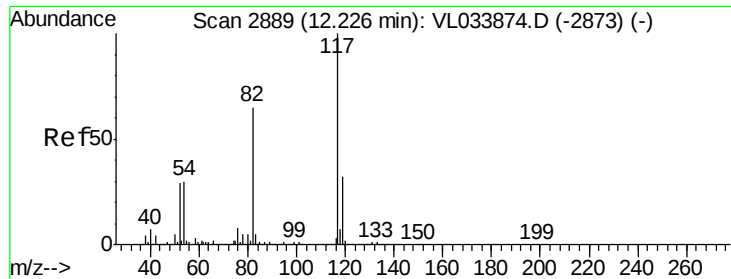


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

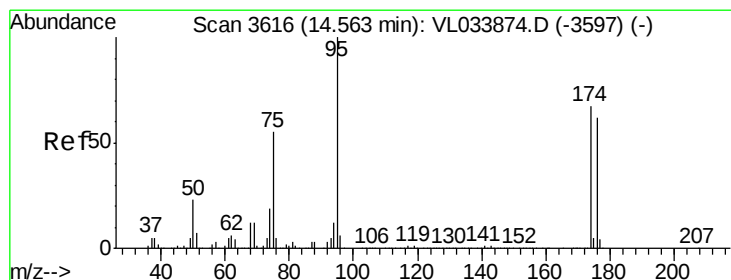
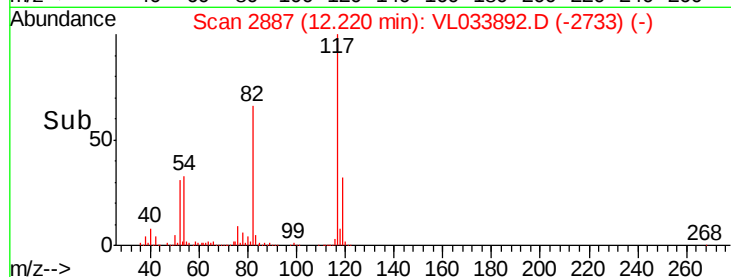
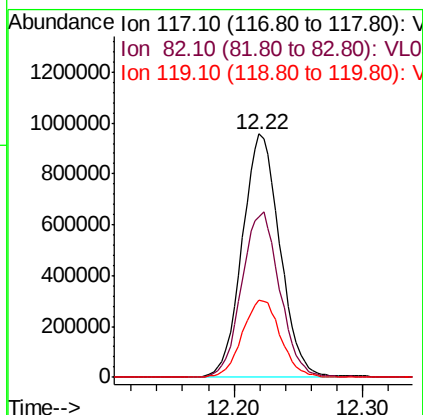
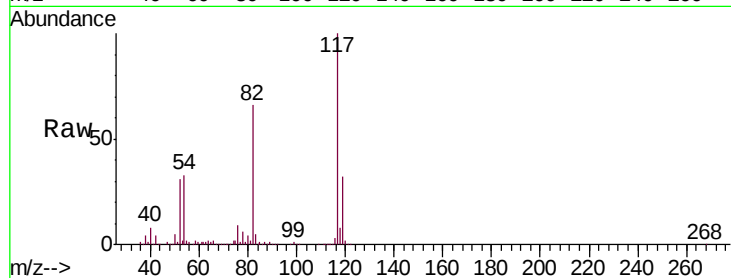




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.22 min Scan# 2887
Delta R.T. -0.01 min
Lab File: VL033892.D
Acq: 7 Jun 2019 16:57

Instrument :
MSVOA_L
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CAN 10747

Tgt Ion: 117 Resp: 1939847
Ion Ratio Lower Upper
117 100
82 69.2 50.2 75.2
119 32.4 24.8 37.2



#68
1-Bromo-4-Fluorobenzene
Concen: 9.975 ppbv
RT: 14.56 min Scan# 3614
Delta R.T. -0.01 min
Lab File: VL033892.D
Acq: 7 Jun 2019 16:57

Tgt Ion: 95 Resp: 1589330
Ion Ratio Lower Upper
95 100
174 65.0 54.0 81.0
175 4.5 3.8 5.8

