

Data File : VL033734.D
Acq On : 20 May 2019 21:36
Operator : SY/AP
Sample : CAN 10044
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
CAN 10044

Quant Time: May 21 01:34:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	855341	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1949960	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2175083	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1795404	10.18	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.80%

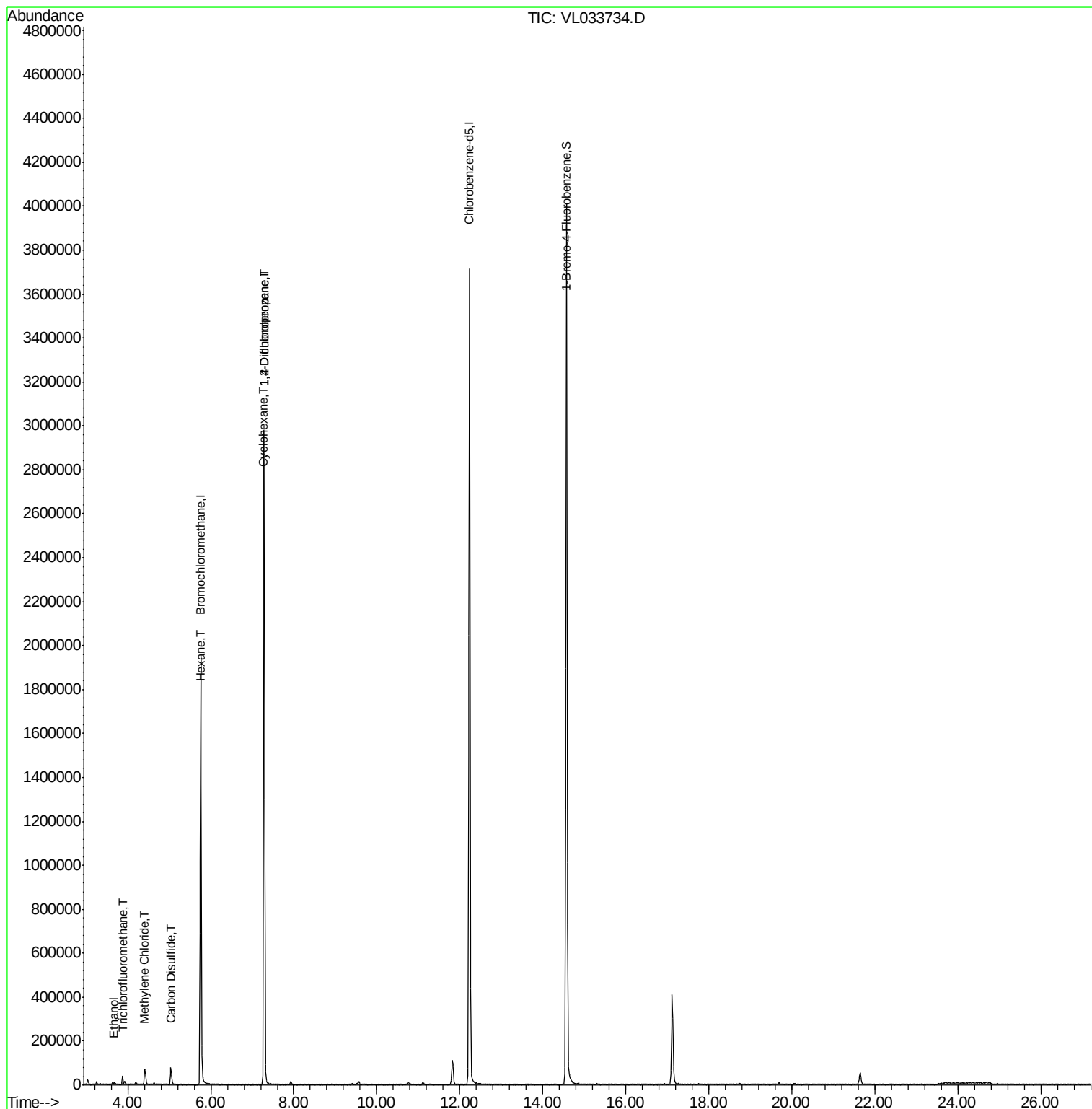
Target Compounds						Qvalue
11) Trichlorofluoromethane	3.88	101	3260	0.019	ppbv	86
13) Ethanol	3.66	45	1313	0.097	ppbv #	38
20) Methylene Chloride	4.41	84	22422	0.491	ppbv	88
26) Hexane	5.77	57	10874	0.121	ppbv #	26
27) Carbon Disulfide	5.04	76	4073	0.033	ppbv #	87
30) Cyclohexane	7.27	84	8226	0.109	ppbv #	1
39) 1,2-Dichloropropane	7.28	63	525138	7.941	ppbv #	23

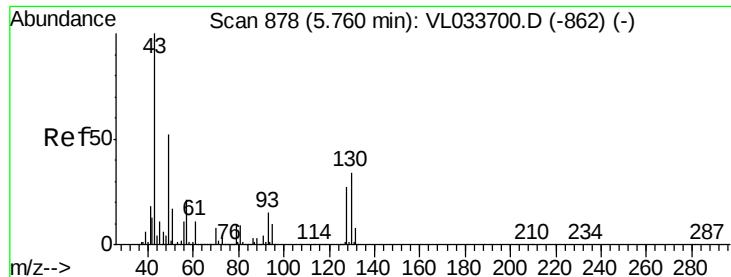
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.00 min

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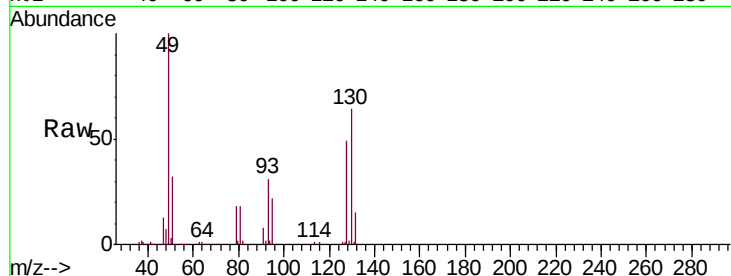
Tgt Ion: 49 Resp: 855341

Ion Ratio Lower Upper

49 100

128 50.0 25.2 75.6

130 63.9 32.5 97.5



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

600000

500000

400000

300000

200000

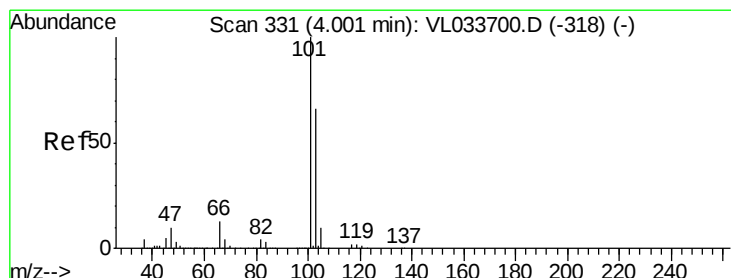
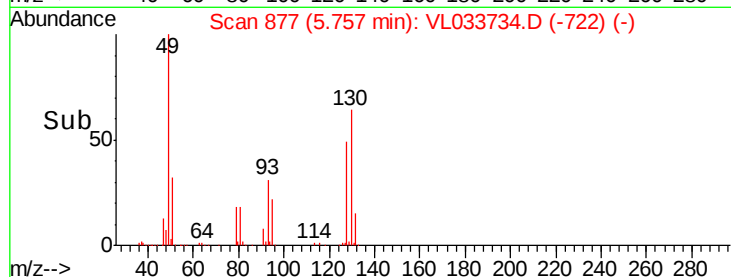
100000

0

5.76

5.70 5.75 5.80

Time-->



#11

Trichlorofluoromethane

Concen: 0.019 ppbv

RT: 3.88 min Scan# 294

Delta R.T. -0.12 min

Lab File: VL033734.D

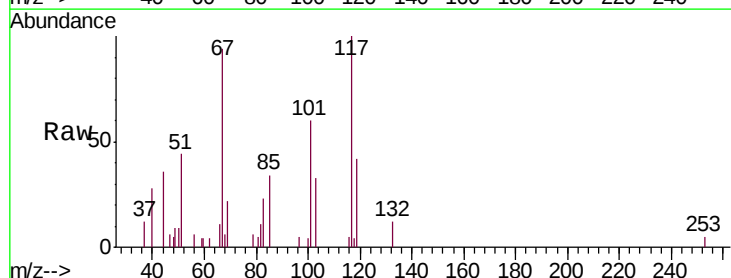
Acq: 20 May 2019 21:36

Tgt Ion: 101 Resp: 3260

Ion Ratio Lower Upper

101 100

103 54.6 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3000

2500

2000

1500

1000

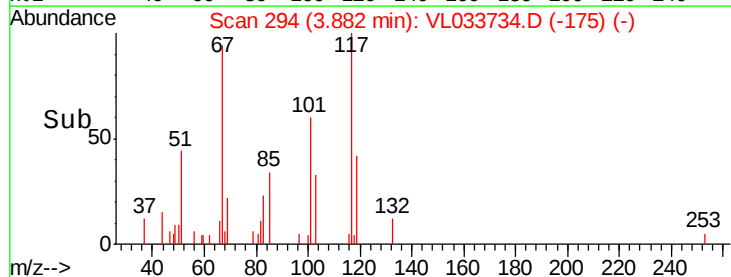
500

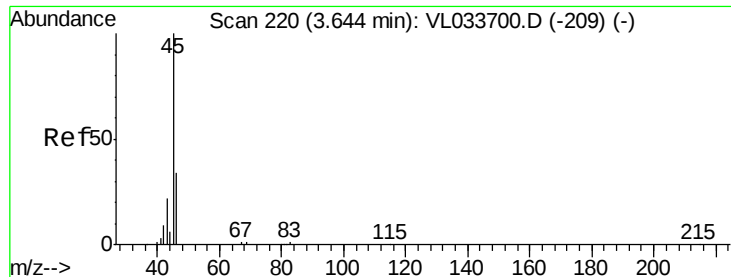
0

3.88

3.86 3.88 3.90

Time-->





#13

Ethanol

Concen: 0.097 ppbv

RT: 3.66 min Scan# 226

Delta R.T. 0.02 min

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ClientSampleId :

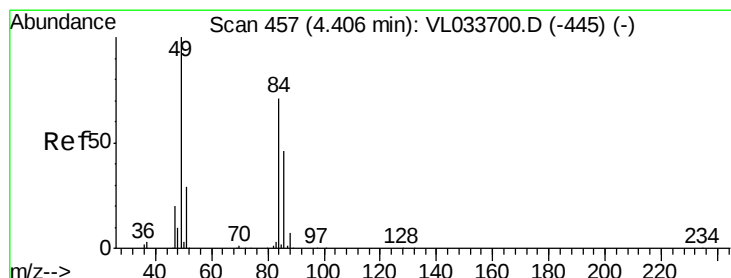
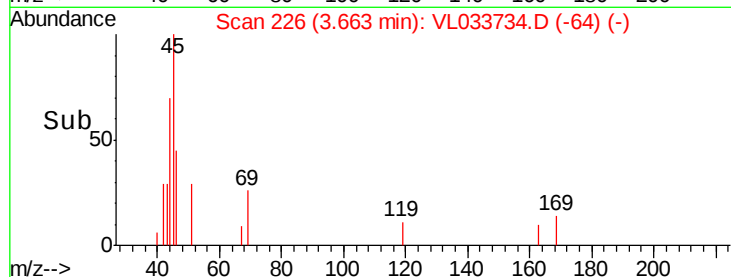
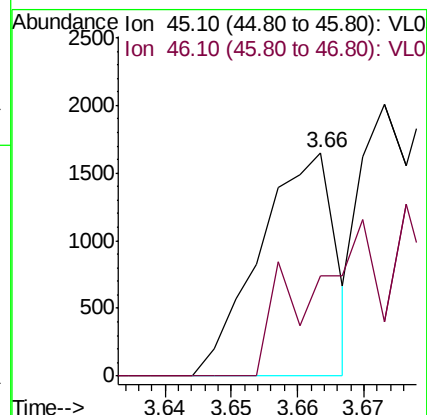
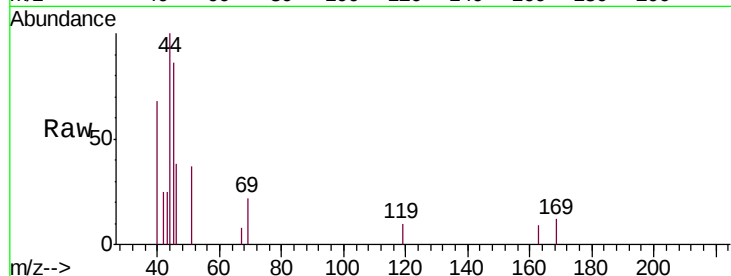
CAN 10044

Tgt Ion: 45 Resp: 1313

Ion Ratio Lower Upper

45 100

46 0.0 14.8 59.0#



#20

Methylene Chloride

Concen: 0.491 ppbv

RT: 4.41 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL033734.D

Acq: 20 May 2019 21:36

Tgt Ion: 84 Resp: 22422

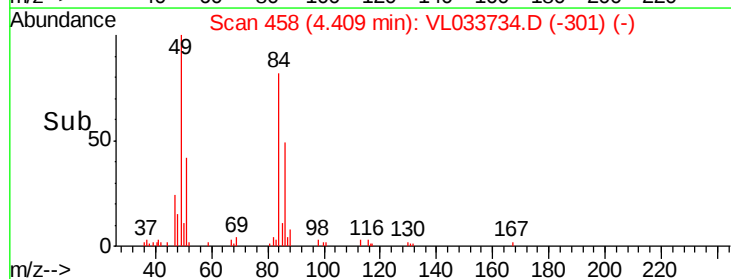
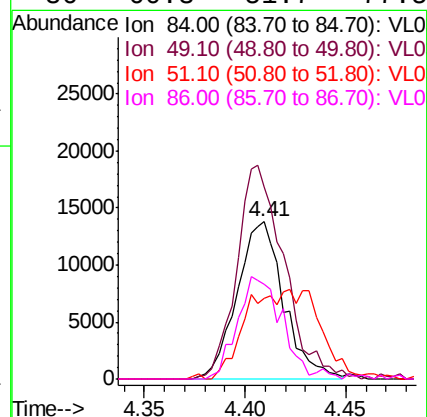
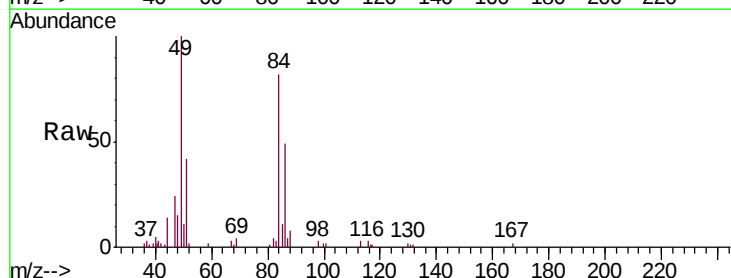
Ion Ratio Lower Upper

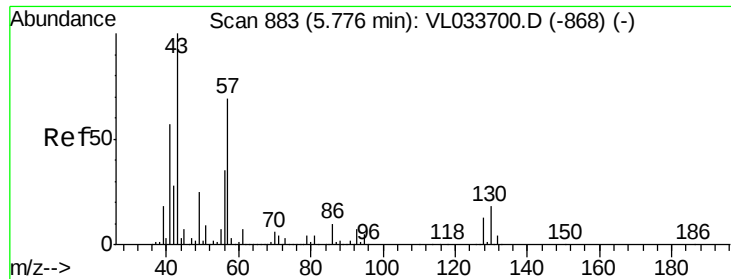
84 100

49 121.8 112.8 169.2

51 49.3 33.4 50.0

86 60.3 51.7 77.5

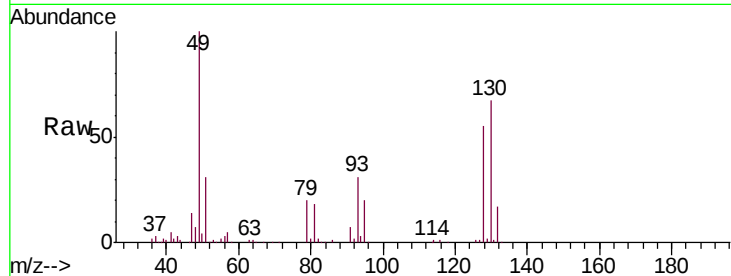




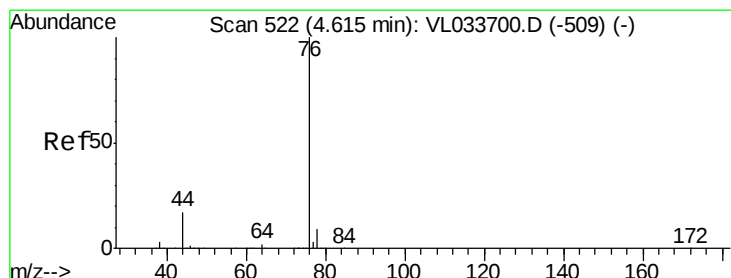
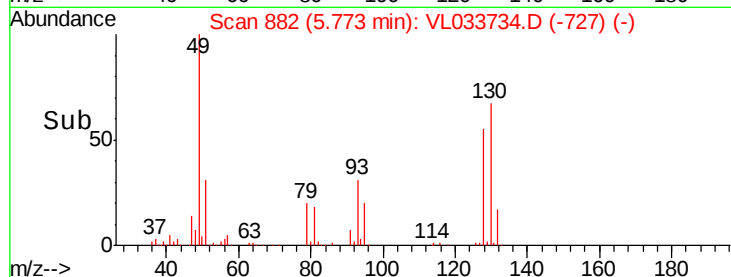
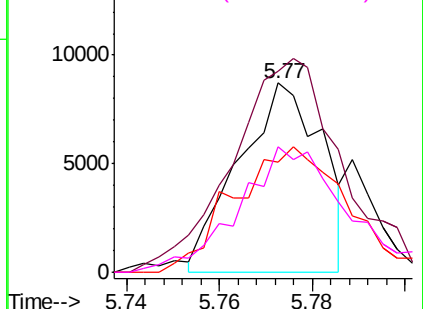
#26
Hexane
Concen: 0.121 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033734.D
Acq: 20 May 2019 21:36

Instrument :
MSVOA_L
ClientSampleId :
CAN 10044

Tgt Ion: 57 Resp: 10874
Ion Ratio Lower Upper
57 100
41 150.3 69.8 104.6#
43 89.9 181.8 272.6#
56 84.7 42.1 63.1#

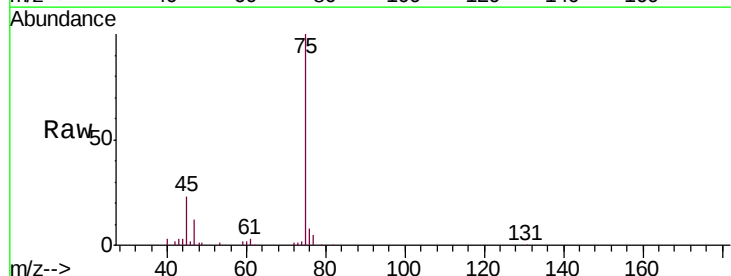


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

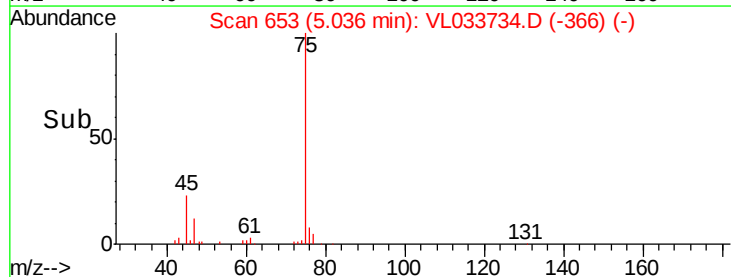
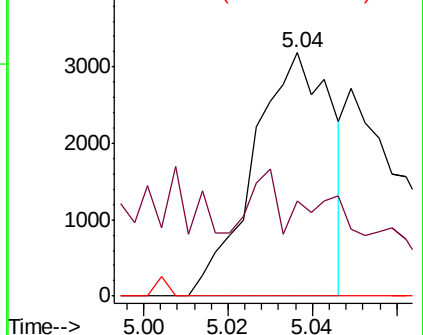


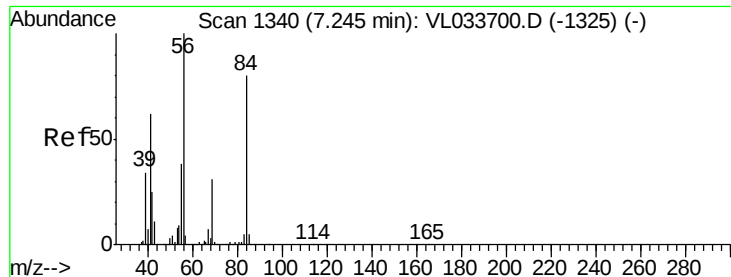
#27
Carbon Disulfide
Concen: 0.033 ppbv
RT: 5.04 min Scan# 653
Delta R.T. 0.42 min
Lab File: VL033734.D
Acq: 20 May 2019 21:36

Tgt Ion: 76 Resp: 4073
Ion Ratio Lower Upper
76 100
44 20.1 13.8 20.8
78 0.0 7.4 11.0#



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0

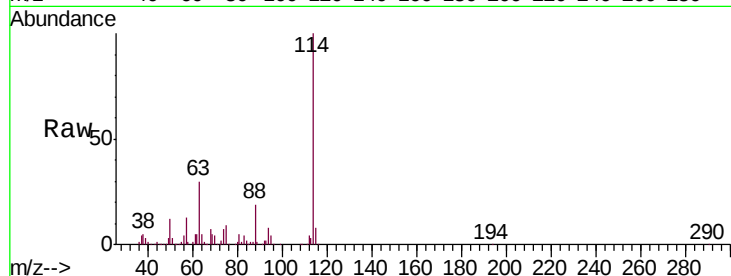




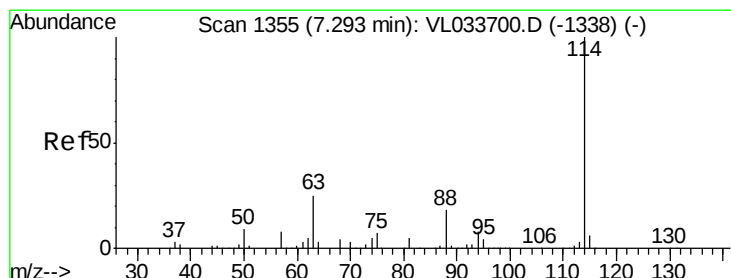
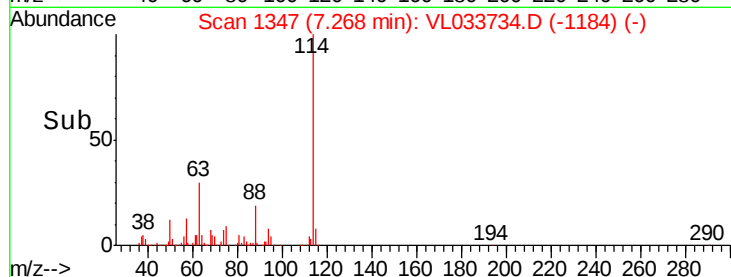
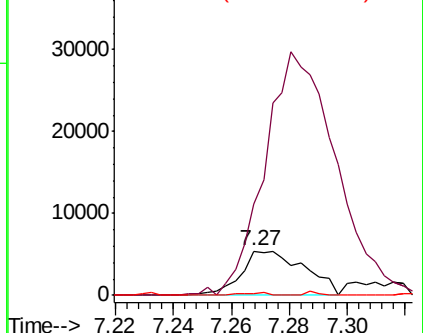
#30
Cyclohexane
Concen: 0.109 ppbv
RT: 7.27 min Scan# 1347
Delta R.T. 0.02 min
Lab File: VL033734.D
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Instrument :
MSVOA_L
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CAN 10044

Tgt Ion: 84 Resp: 8226
Ion Ratio Lower Upper
84 100
56 624.7 107.7 161.5#
41 4.0 66.0 99.0#

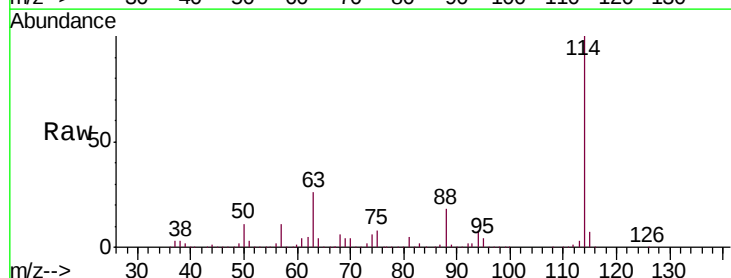


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

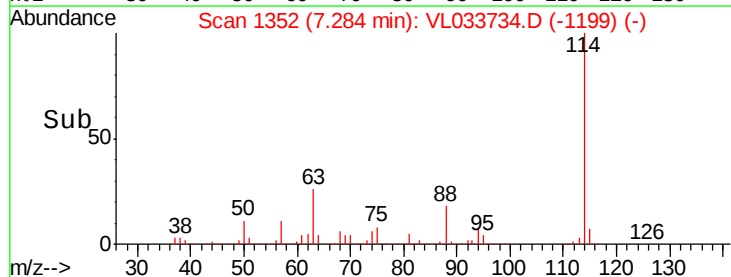
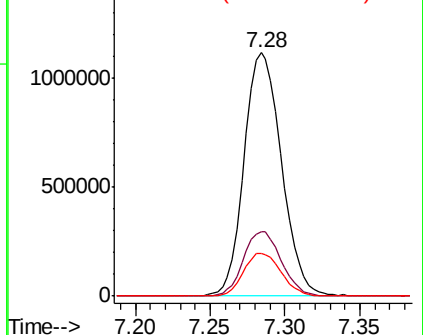


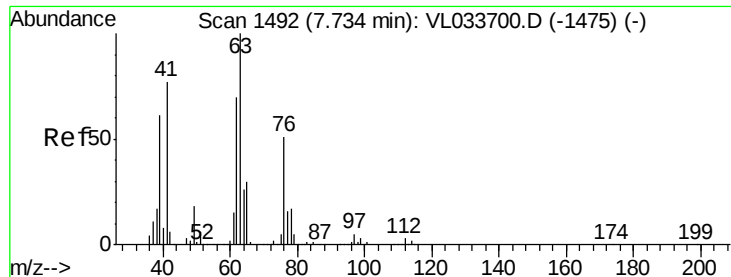
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL033734.D
Acq: 20 May 2019 21:36

Tgt Ion: 114 Resp: 1949960
Ion Ratio Lower Upper
114 100
63 27.1 20.9 31.3
88 17.9 14.3 21.5



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 7.941 ppbv

RT: 7.28 min Scan# 1352

Delta R.T. -0.45 min

Lab File: VL033734.D

Acq: 20 May 2019 21:36

Instrument :

MSVOA_L

ClientSampleId :

CAN 10044

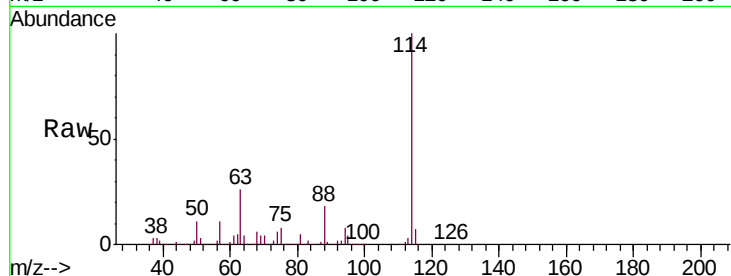
Tgt Ion: 63 Resp: 525138

Ion Ratio Lower Upper

63 100

41 0.0 61.5 92.3#

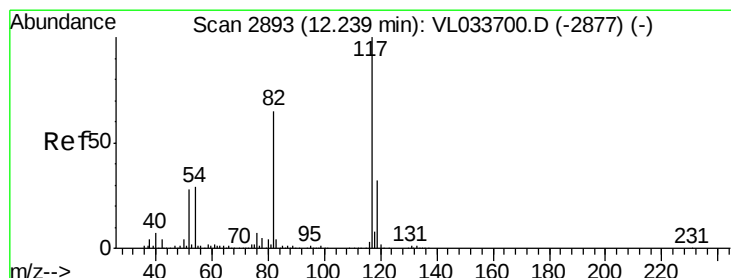
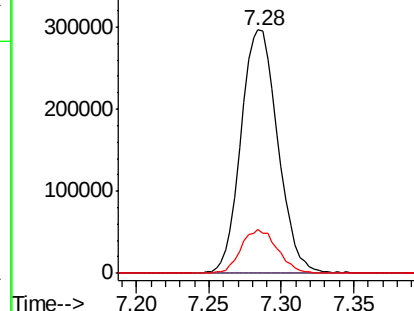
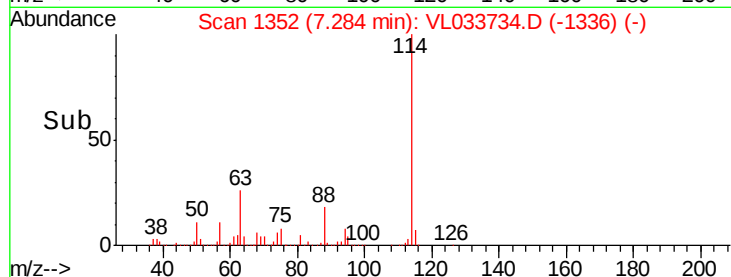
62 18.3 56.2 84.4#



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: 12.23 min Scan# 2890

Delta R.T. -0.01 min

Lab File: VL033734.D

Acq: 20 May 2019 21:36

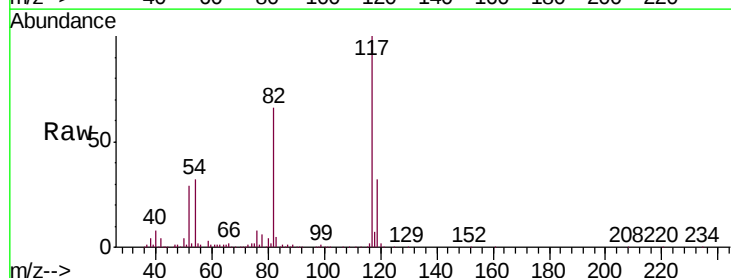
Tgt Ion: 117 Resp: 2175083

Ion Ratio Lower Upper

117 100

82 67.6 49.4 74.0

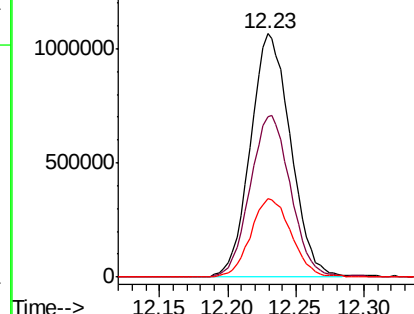
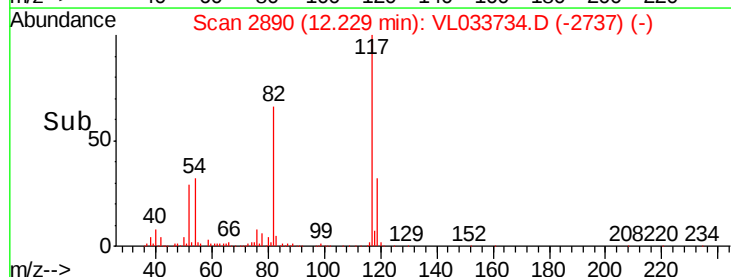
119 32.8 24.9 37.3

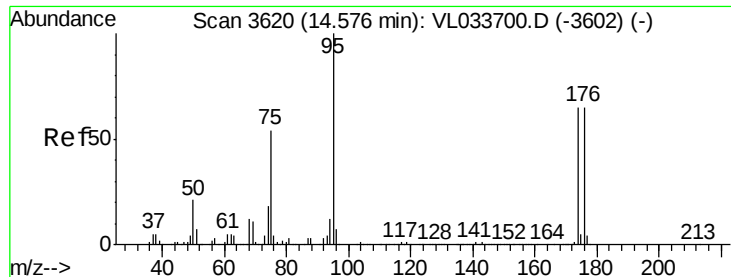


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.182 ppbv

RT: 14.57 min Scan# 3617

Delta R.T. -0.01 min

Lab File: VL033734.D

Acq: 20 May 2019 21:36

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MSVOA_L

ClientSampleId :

CAN 10044

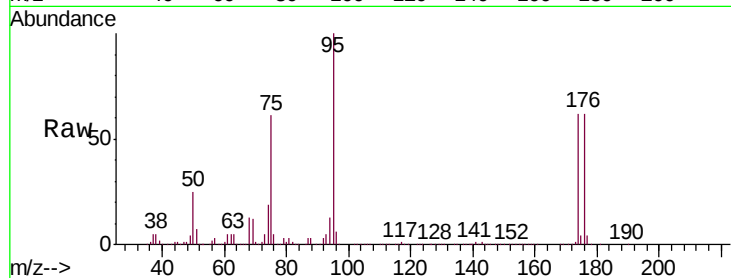
Tgt Ion: 95 Resp: 1795404

Ion Ratio Lower Upper

95 100

174 65.5 53.9 80.9

175 4.6 3.8 5.8



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

