

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051921\
 Data File : VL036988.D
 Acq On : 19 May 2021 12:24
 Operator : SY/AP
 Sample : OC051721 CAN 10653
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC051721 CAN 10653

Quant Time: May 20 06:27:39 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1298547	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3759947	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3459164	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2525714	9.72	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.20%

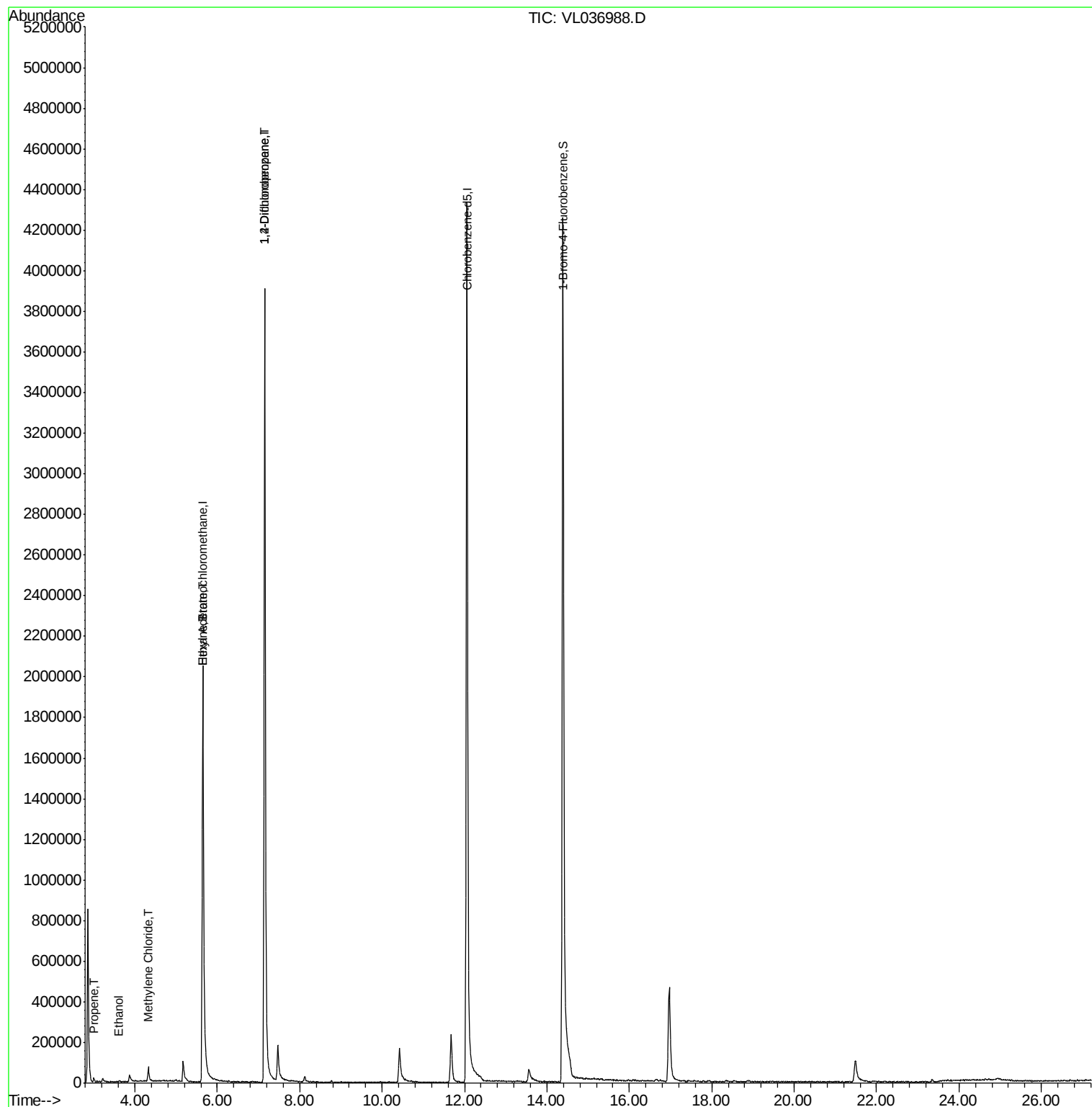
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	4489	0.053	ppbv #	46
13) Ethanol	3.61	45	545	0.048	ppbv #	35
20) Methylene Chloride	4.32	84	16831	0.236	ppbv	96
25) Ethyl Acetate	5.66	43	10782	0.034	ppbv #	84
26) Hexane	5.66	57	27214	0.167	ppbv #	51
39) 1,2-Dichloropropane	7.15	63	884797	7.092	ppbv #	25

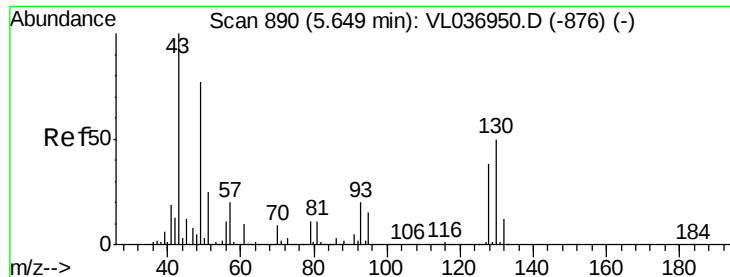
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 18 12:00:15 2021
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.00 min

Lab File: VL036988.D

Acq: 19 May 2021 12:24

Instrument :

MSVOA_L

ClientSampleId :

QC051721 CAN 10653

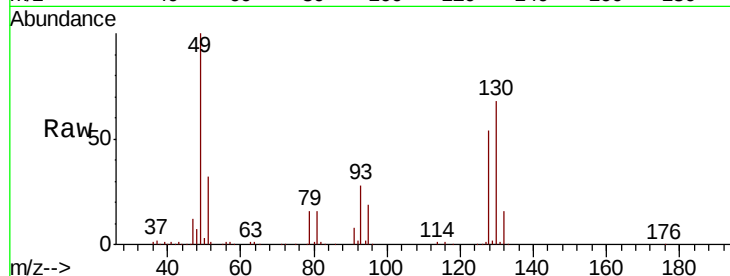
Tot Ion: 49 Resp: 1298547

Ion Ratio Lower Upper

49 100

128 55.4 26.9 80.7

130 71.0 33.8 101.4



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

600000

400000

200000

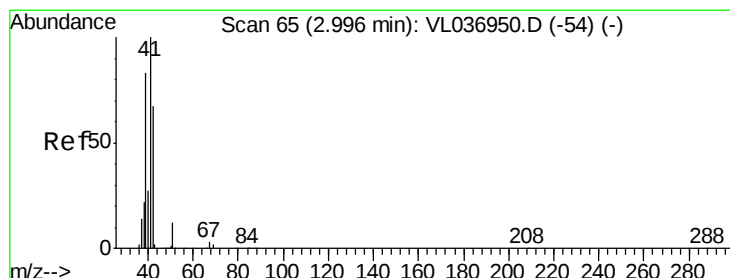
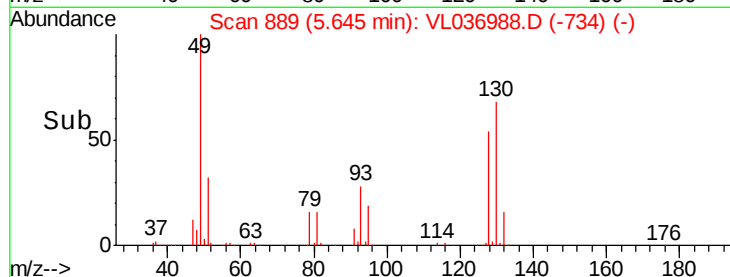
0

5.65

5.60

5.70

Time-->



#9

Propene

Concen: 0.053 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.00 min

Lab File: VL036988.D

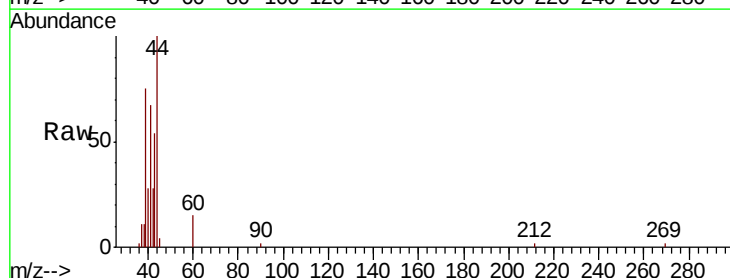
Acq: 19 May 2021 12:24

Tgt Ion: 41 Resp: 4489

Ion Ratio Lower Upper

41 100

42 110.9 53.9 80.9#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

5000

4000

3000

2000

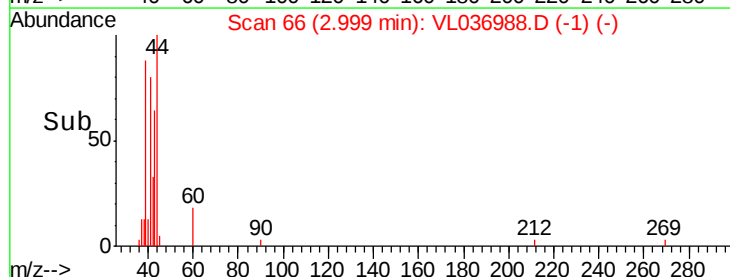
1000

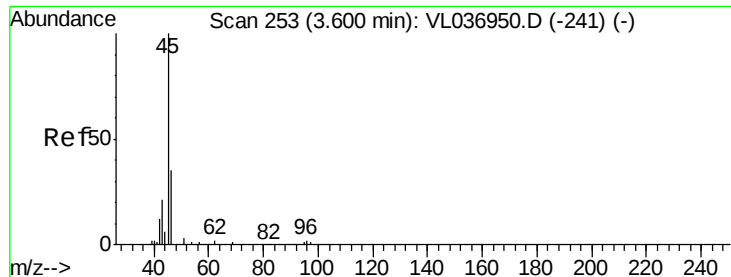
0

2.98

3.00

Time-->





#13

Ethanol

Concen: 0.048 ppbv

RT: 3.61 min Scan# 255

Delta R.T. 0.01 min

Lab File: VL036988.D

Acq: 19 May 2021 12:24

Instrument :

MSVOA_L

ClientSampleId :

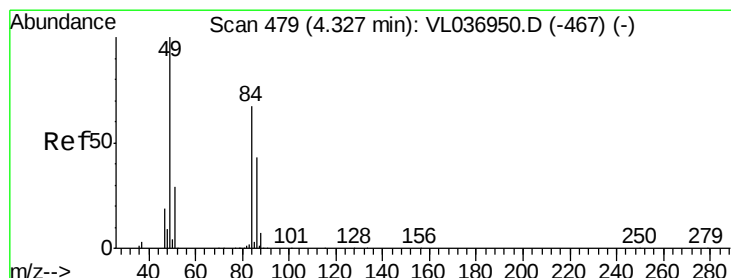
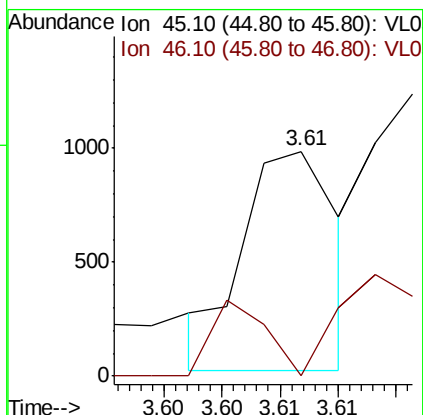
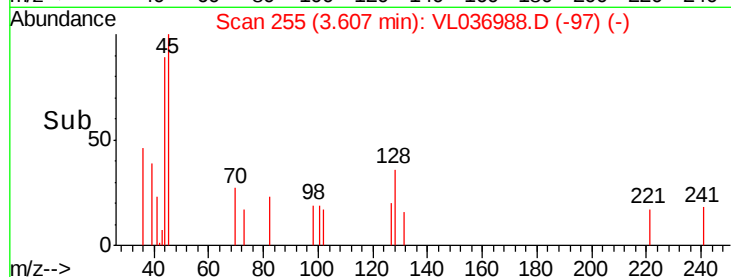
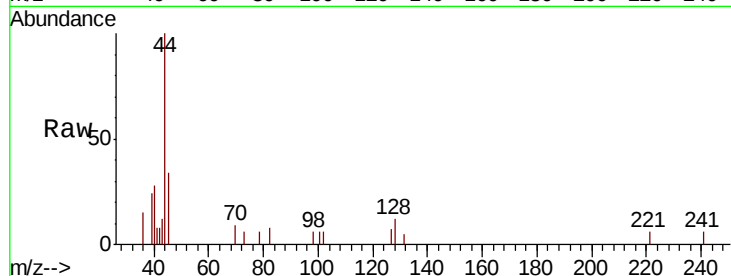
QC051721 CAN 10653

Tot Ion: 45 Resp: 545

Ion Ratio Lower Upper

45 100

46 0.0 16.3 65.3#



#20

Methylene Chloride

Concen: 0.236 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.00 min

Lab File: VL036988.D

Acq: 19 May 2021 12:24

Tgt Ion: 84 Resp: 16831

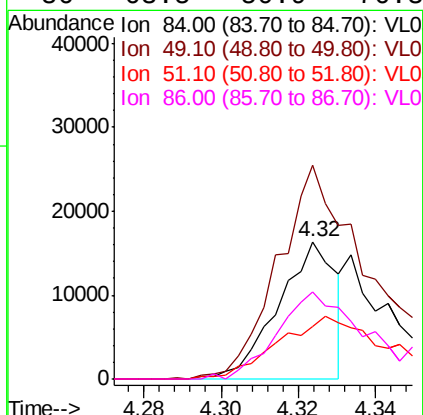
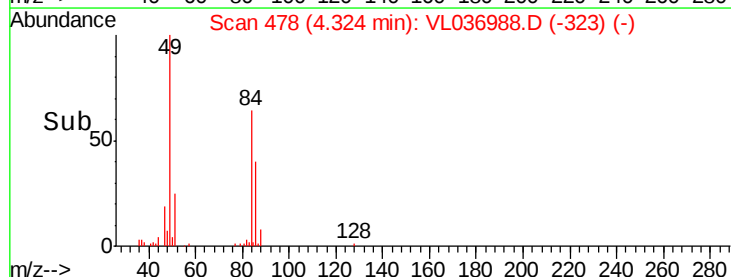
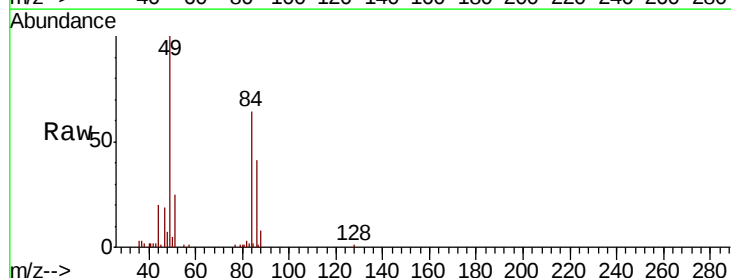
Ion Ratio Lower Upper

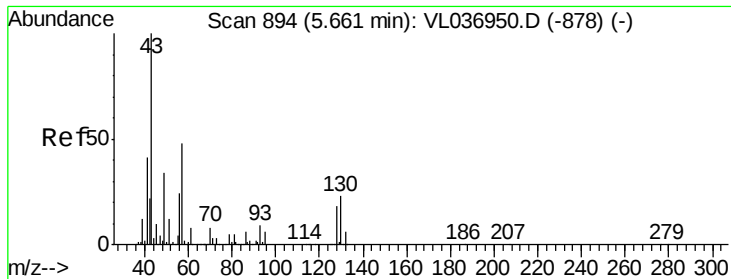
84 100

49 155.8 119.8 179.6

51 38.8 35.1 52.7

86 63.5 50.9 76.3





#25

Ethyl Acetate

Concen: 0.034 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.00 min

Lab File: VL036988.D

Acq: 19 May 2021 12:24

Instrument :

MSVOA_L

ClientSampleId :

QC051721 CAN 10653

Tot Ion: 43 Resp: 10782

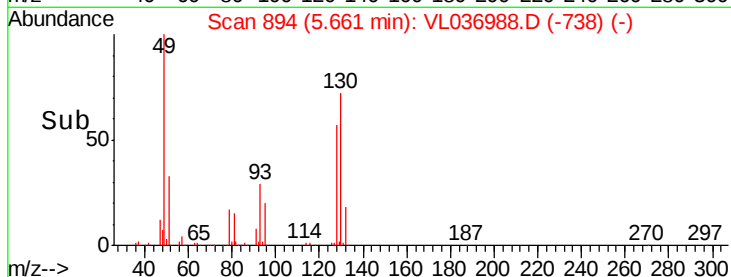
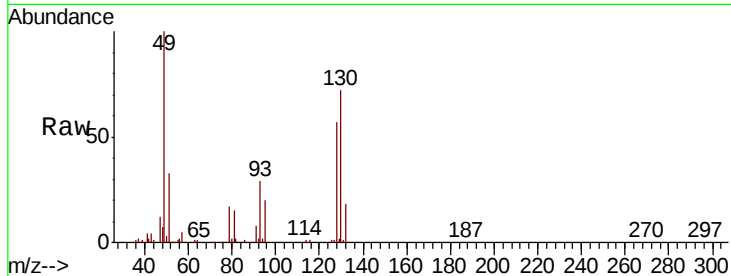
Ion Ratio Lower Upper

43 100

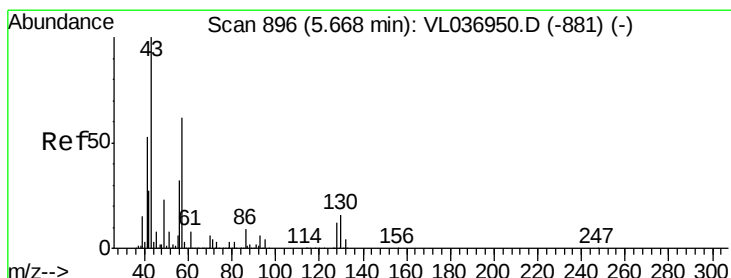
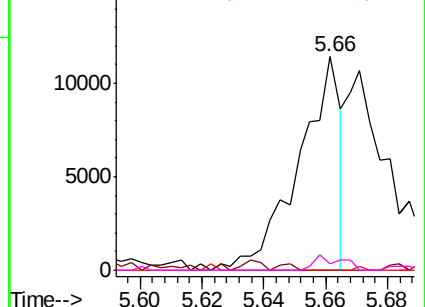
45 3.8 7.8 11.8#

61 0.0 7.8 11.8#

70 6.2 5.6 8.4



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 0.167 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.01 min

Lab File: VL036988.D

Acq: 19 May 2021 12:24

Tgt Ion: 57 Resp: 27214

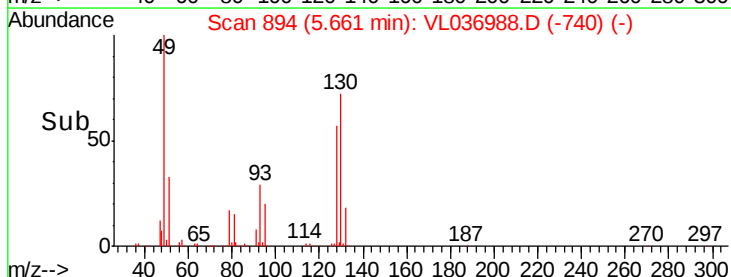
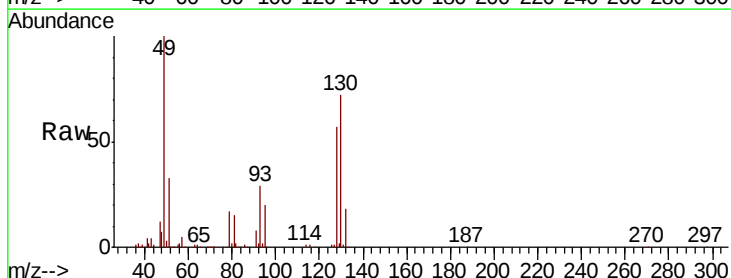
Ion Ratio Lower Upper

57 100

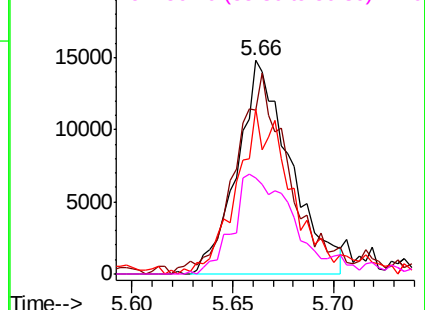
41 97.1 70.5 105.7

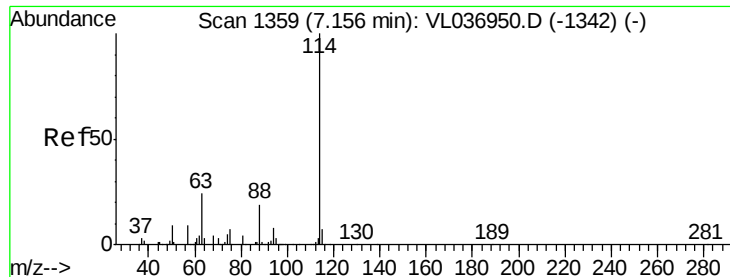
43 87.7 165.8 248.8#

56 56.8 42.2 63.4



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

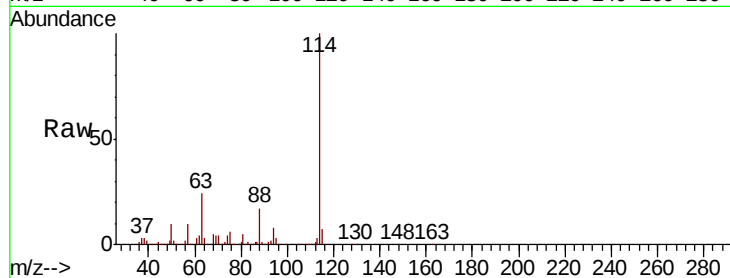




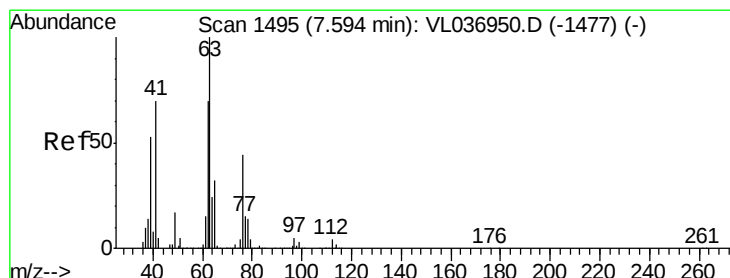
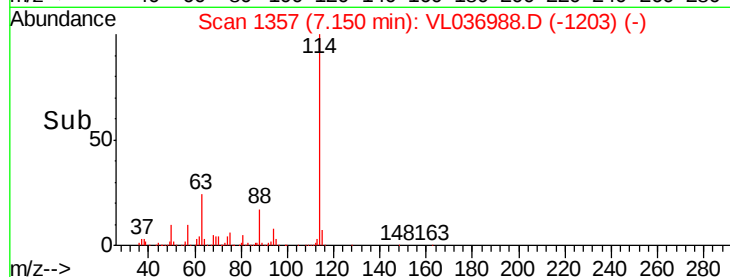
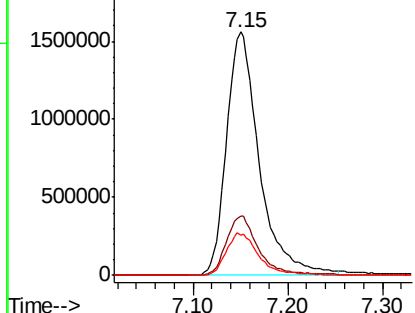
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VL036988.D
 Acq: 19 May 2021 12:24

Instrument :
 MSVOA_L
 ClientSampleId :
 QC051721 CAN 10653

Tot Ion:114 Resp: 3759947
 Ion Ratio Lower Upper
 114 100
 63 24.3 19.6 29.4
 88 17.7 14.6 21.8

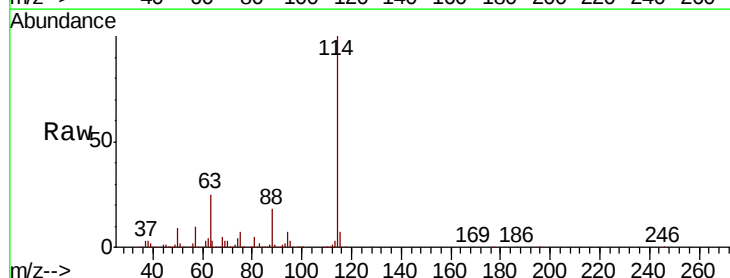


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

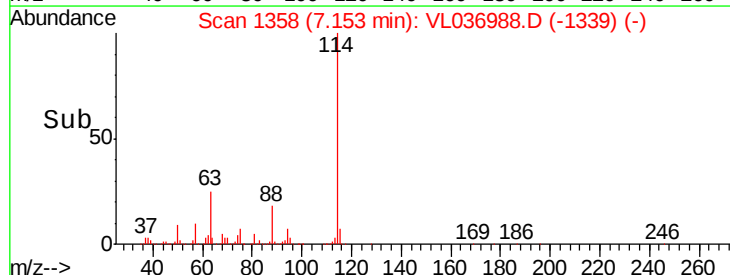
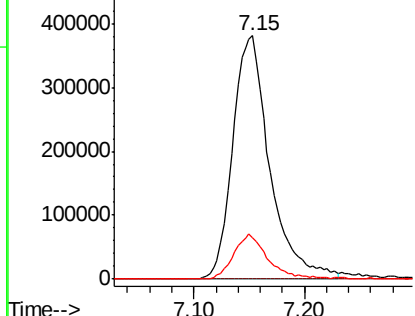


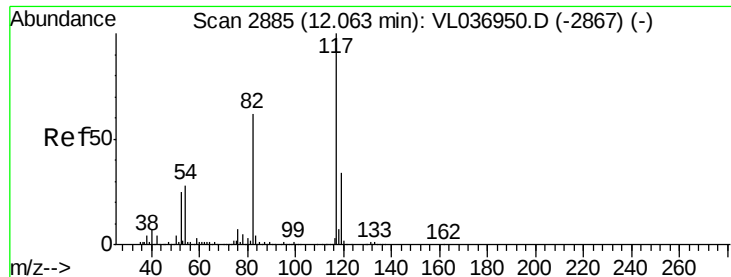
#39
 1,2-Dichloropropane
 Concen: 7.092 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.44 min
 Lab File: VL036988.D
 Acq: 19 May 2021 12:24

Tgt Ion: 63 Resp: 884797
 Ion Ratio Lower Upper
 63 100
 41 0.1 55.7 83.5#
 62 16.9 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: 12.06 min Scan# 2884

Delta R.T. -0.00 min

Lab File: VL036988.D

Acq: 19 May 2021 12:24

Instrument :

MSVOA_L

ClientSampleId :

QC051721 CAN 10653

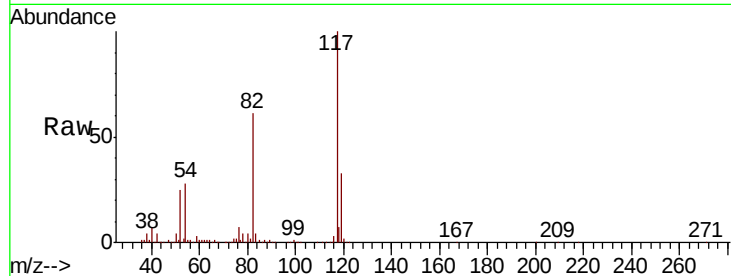
Tot Ion:117 Resp: 3459164

Ion Ratio Lower Upper

117 100

82 62.6 52.6 79.0

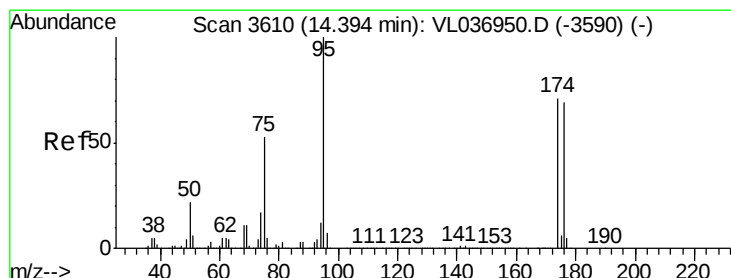
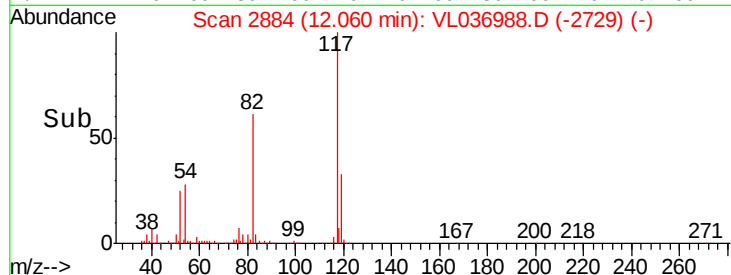
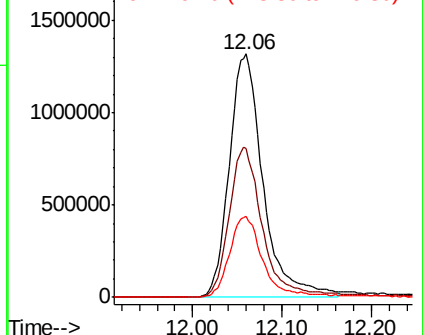
119 34.5 46.6 70.0#



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: 9.720 ppbv

RT: 14.39 min Scan# 3608

Delta R.T. -0.01 min

Lab File: VL036988.D

Acq: 19 May 2021 12:24

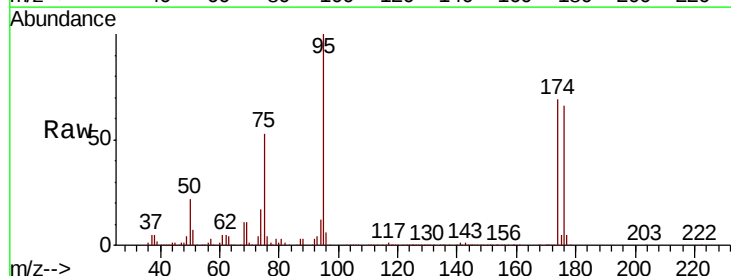
Tgt Ion: 95 Resp: 2525714

Ion Ratio Lower Upper

95 100

174 76.8 58.4 87.6

175 5.3 4.4 6.6



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

