

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110420\
 Data File : VL035855.D
 Acq On : 5 Nov 2020 6:03
 Operator : SY/AP
 Sample : OC102920 CAN 10604
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 05 07:50:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	816134	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.14	114	3076701	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.05	117	2829657	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2026233	10.08	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.80%

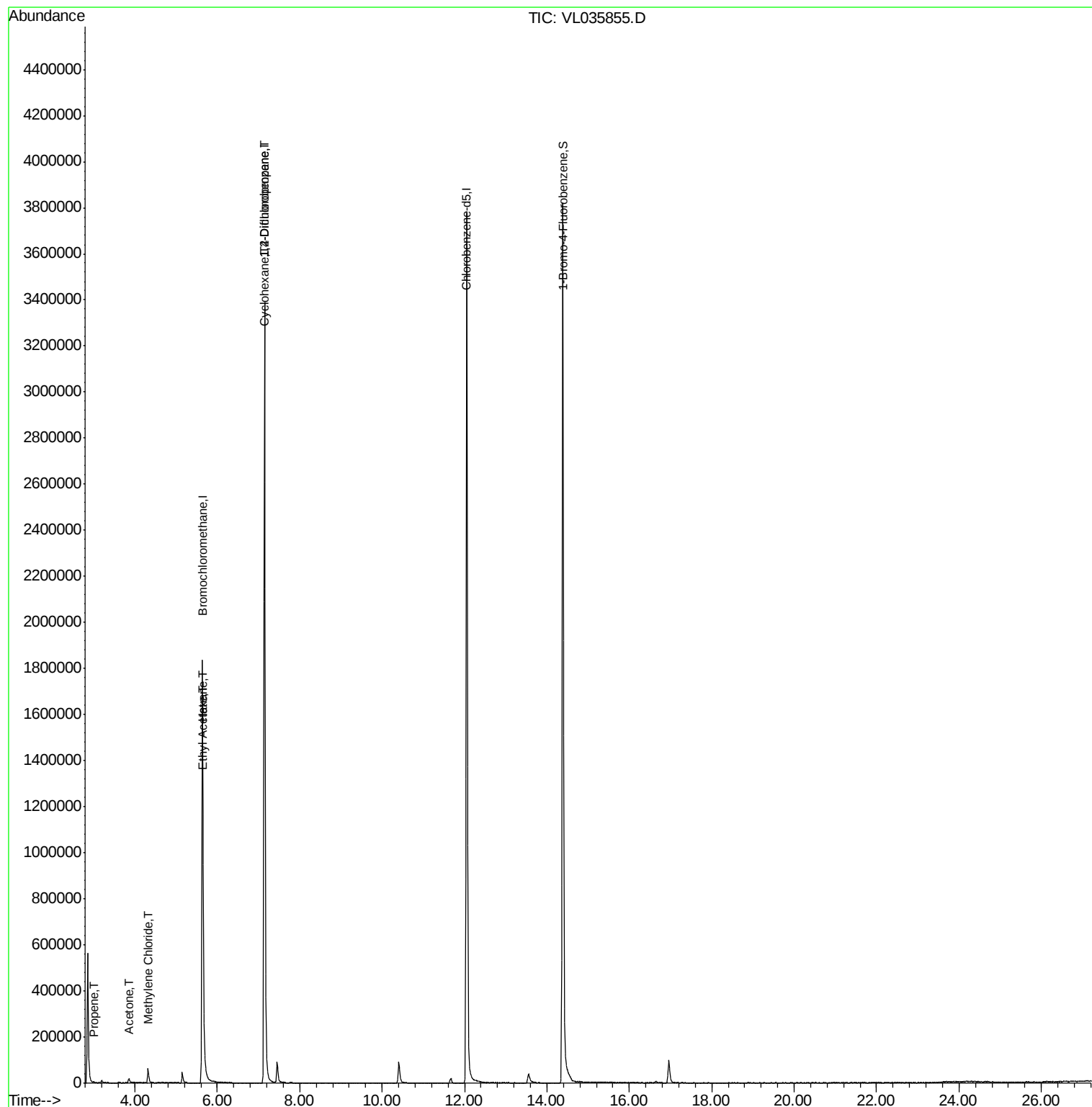
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	1568	0.044	ppbv	94
15) Acetone	3.84	43	13415	0.154	ppbv #	40
20) Methylene Chloride	4.32	84	33413	0.544	ppbv	92
25) Ethyl Acetate	5.66	43	6290	0.037	ppbv #	74
26) Hexane	5.66	57	13168	0.139	ppbv #	41
30) Cyclohexane	7.13	84	9617	0.093	ppbv #	6
39) 1,2-Dichloropropane	7.14	63	614798	7.984	ppbv #	30

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

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QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 886

Delta R.T. -0.03 min

Lab File: VL035855.D

Acq: 5 Nov 2020 6:03

Instrument :

MSVOA_L

ClientSampled :

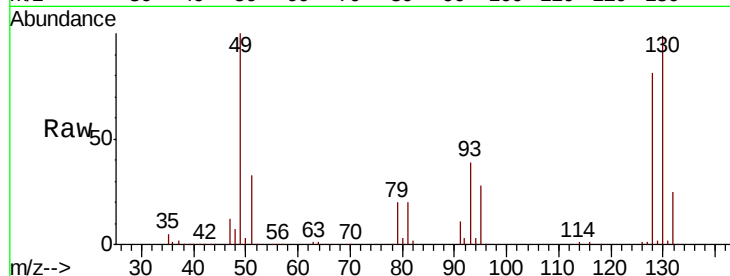
Tot Ion: 49 Resp: 816134

Ion Ratio Lower Upper

49 100

128 82.1 41.5 124.6

130 104.5 53.7 161.1



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

500000

400000

300000

200000

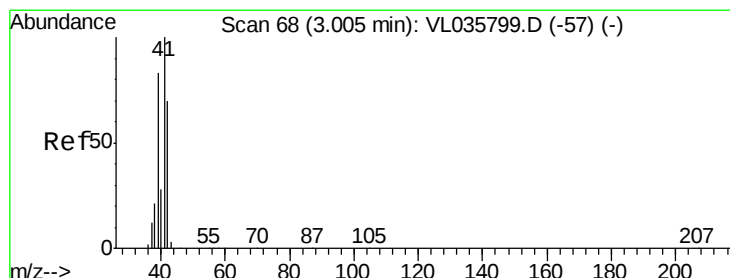
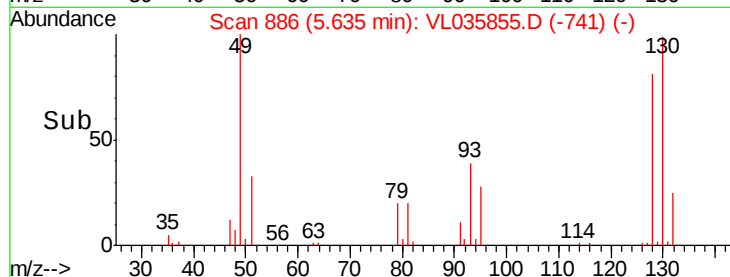
100000

0

5.60

5.70

Time-->



#9

Propene

Concen: 0.044 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.01 min

Lab File: VL035855.D

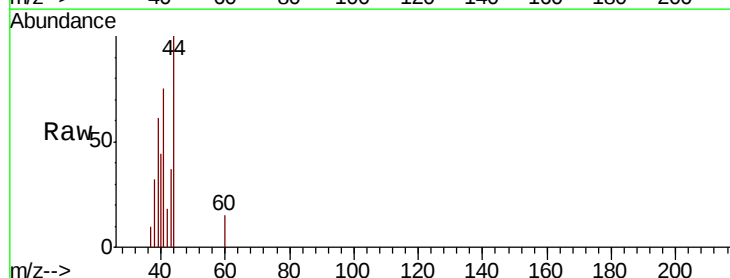
Acq: 5 Nov 2020 6:03

Tgt Ion: 41 Resp: 1568

Ion Ratio Lower Upper

41 100

42 65.2 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

1500

1000

500

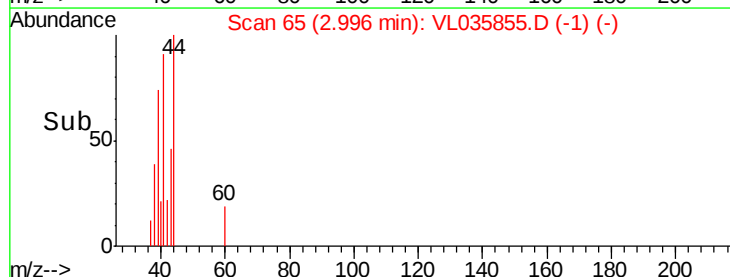
0

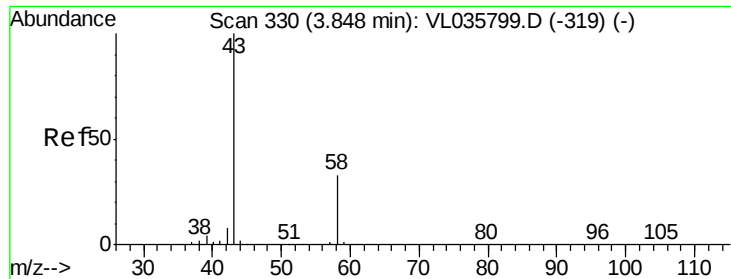
2.96

2.98

3.00

Time-->





#15

Acetone

Concen: 0.154 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.00 min

Lab File: VL035855.D

Acq: 5 Nov 2020 6:03

Instrument :

MSVOA_L

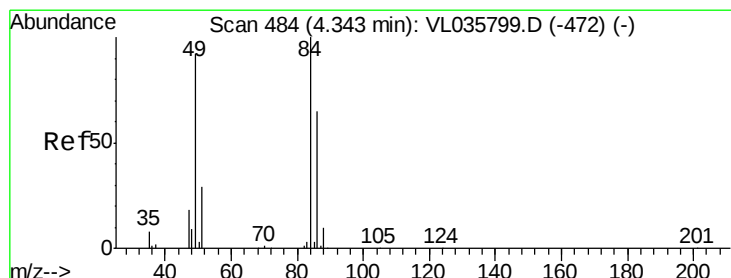
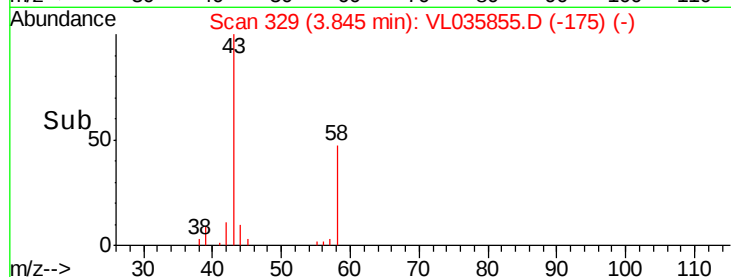
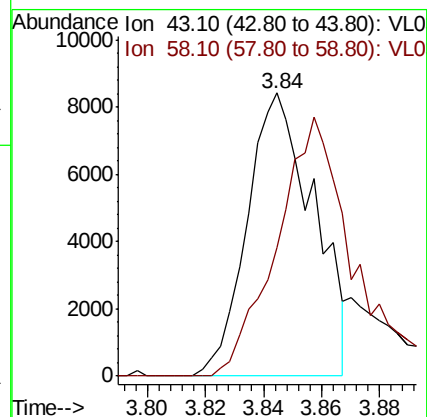
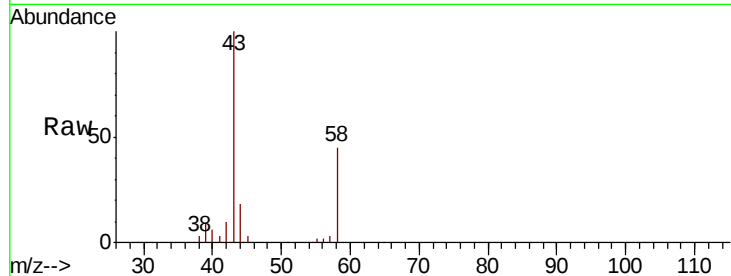
ClientSampleId :

Tot Ion: 43 Resp: 13415

Ion Ratio Lower Upper

43 100

58 0.0 27.5 41.3#



#20

Methylene Chloride

Concen: 0.544 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.02 min

Lab File: VL035855.D

Acq: 5 Nov 2020 6:03

Tgt Ion: 84 Resp: 33413

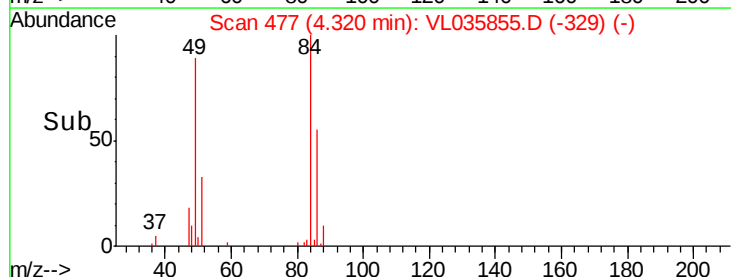
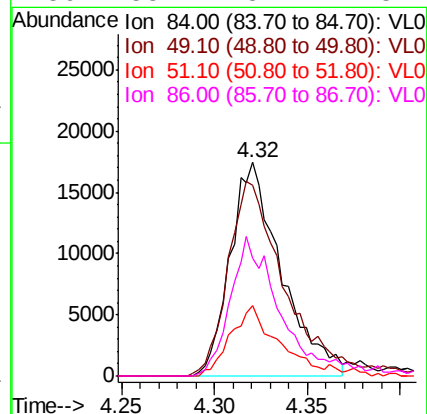
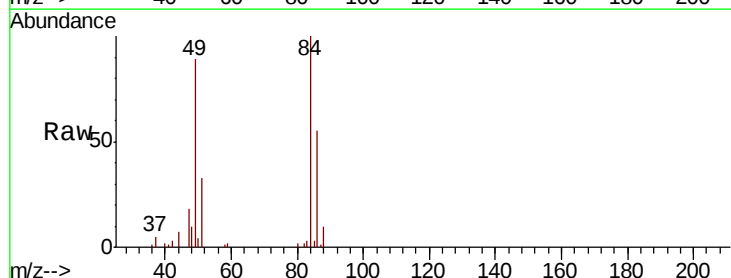
Ion Ratio Lower Upper

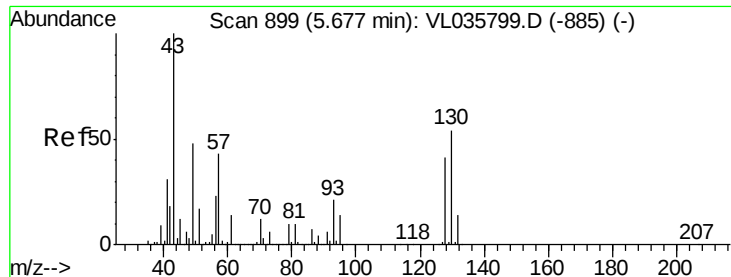
84 100

49 87.9 73.8 110.8

51 32.9 23.0 34.4

86 55.4 52.1 78.1





#25

Ethyl Acetate

Concen: 0.037 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.02 min

Lab File: VL035855.D

Acq: 5 Nov 2020 6:03

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 6290

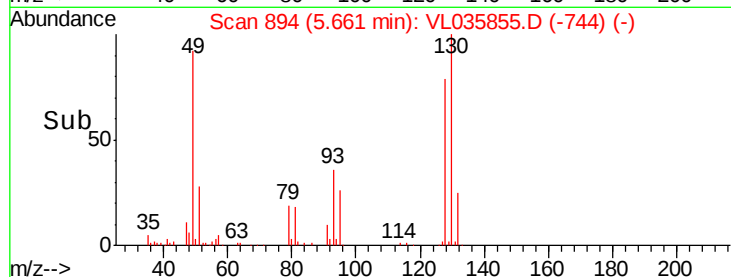
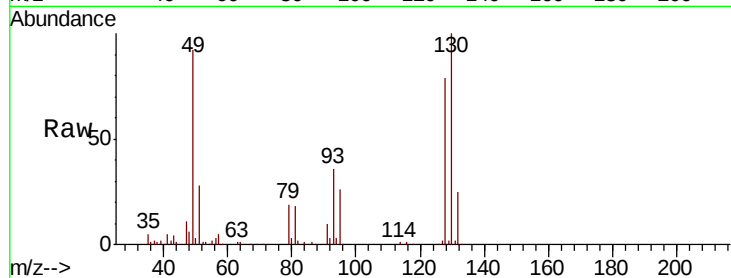
Ion Ratio Lower Upper

43 100

45 1.8 8.5 12.7#

61 0.0 10.7 16.1#

70 3.0 8.6 12.8#



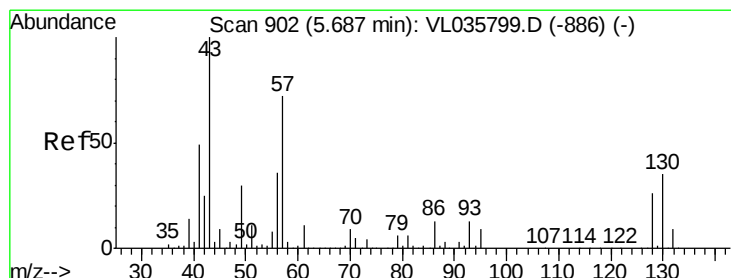
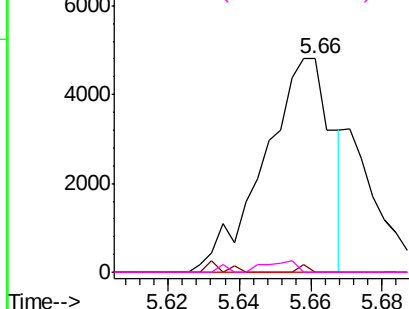
Abundance

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: 0.139 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.03 min

Lab File: VL035855.D

Acq: 5 Nov 2020 6:03

Tgt Ion: 57 Resp: 13168

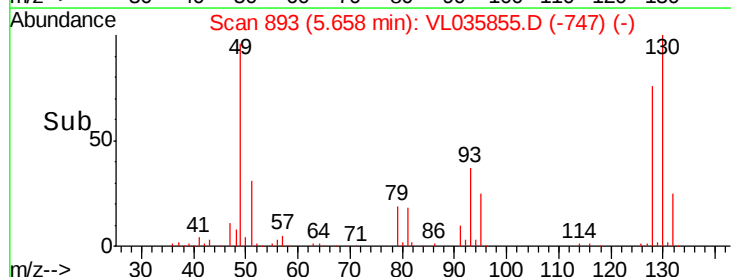
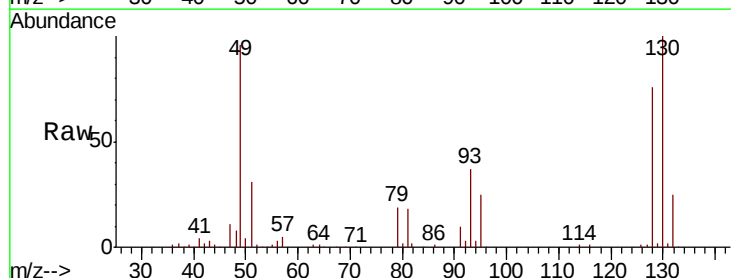
Ion Ratio Lower Upper

57 100

41 99.4 58.9 88.3#

43 68.0 150.2 225.2#

56 66.6 42.4 63.6#



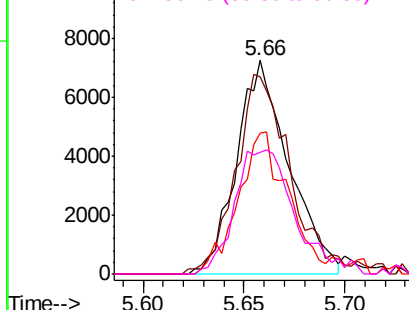
Abundance

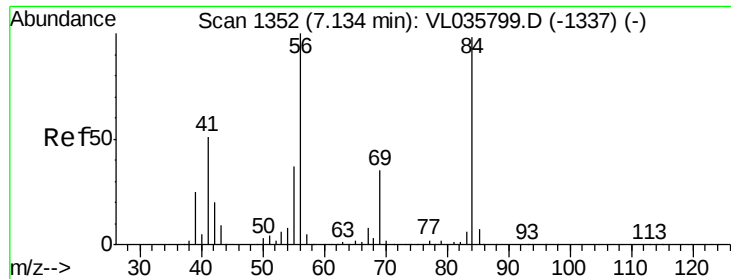
Ion 57.10 (56.80 to 57.80): VL0

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

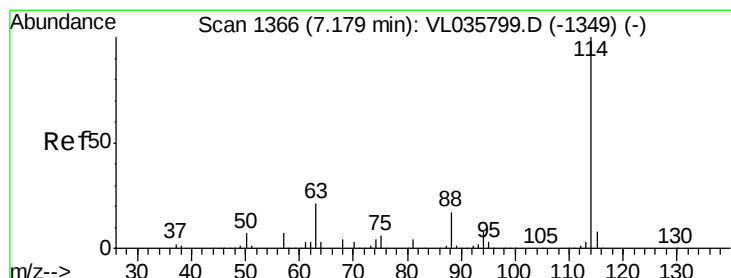
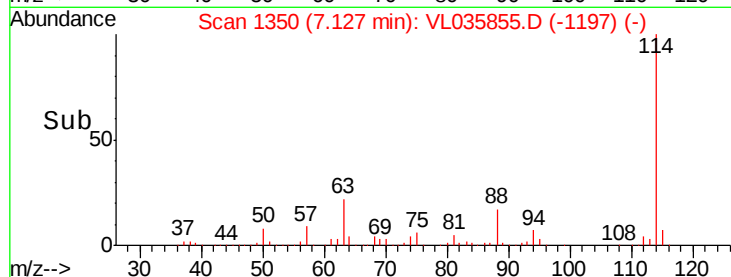
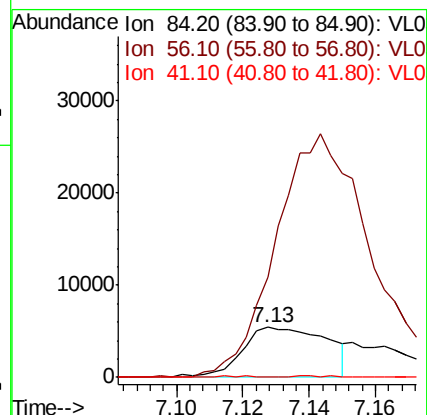
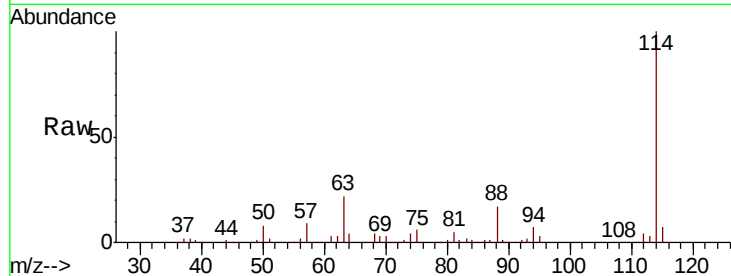




#30
Cvclohexane
Concen: 0.093 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. -0.01 min
Lab File: VL035855.D
Acq: 5 Nov 2020 6:03

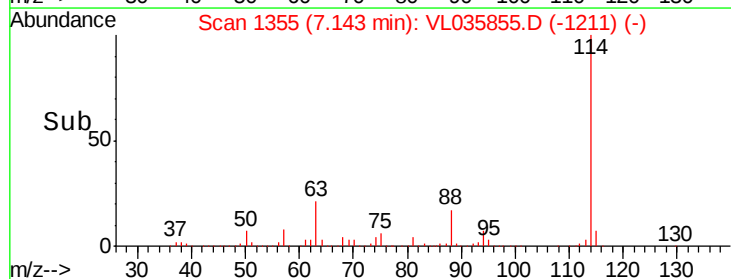
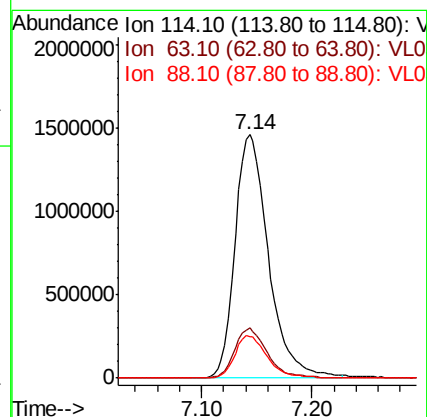
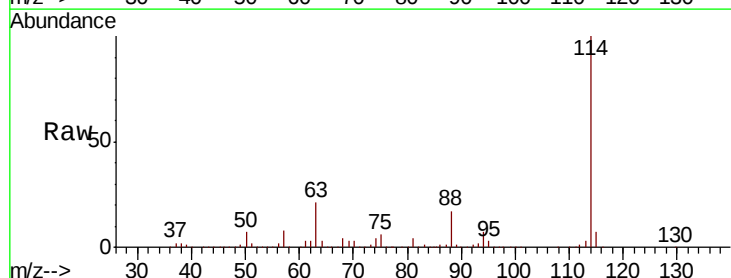
Instrument :
MSVOA_L
ClientSampleId :

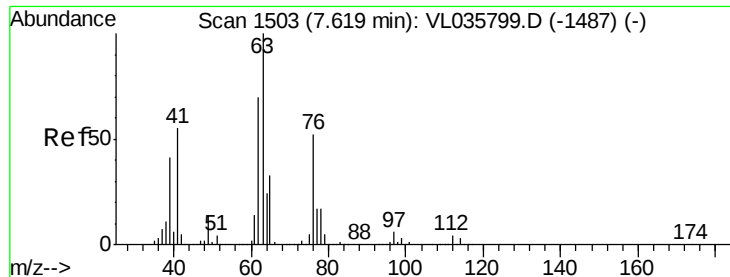
Tot Ion: 84 Resp: 9617
Ion Ratio Lower Upper
84 100
56 0.0 86.4 129.6#
41 0.0 42.1 63.1#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. -0.04 min
Lab File: VL035855.D
Acq: 5 Nov 2020 6:03

Tgt Ion: 114 Resp: 3076701
Ion Ratio Lower Upper
114 100
63 20.3 16.1 24.1
88 17.1 13.7 20.5

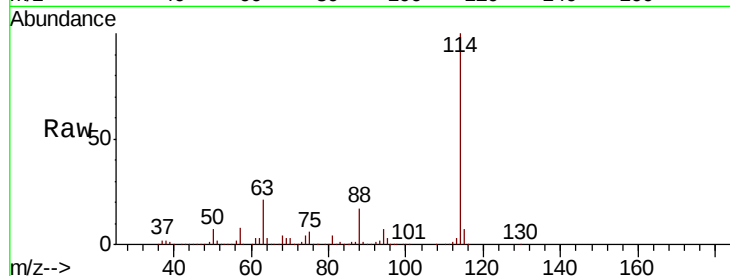




#39
 1,2-Dichloropropane
 Concen: 7.984 ppbv
 RT: 7.14 min Scan# 1355
 Delta R.T. -0.48 min
 Lab File: VL035855.D
 Acq: 5 Nov 2020 6:03

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	43.8	65.6#
62	16.4	56.2	84.2#

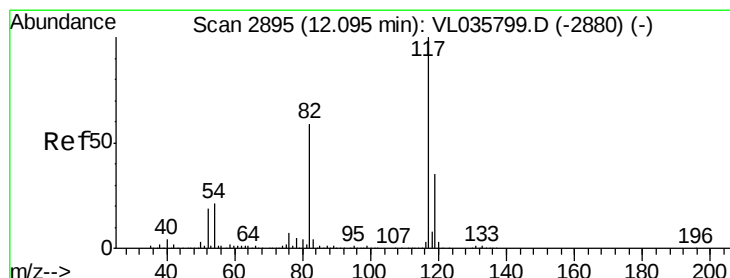
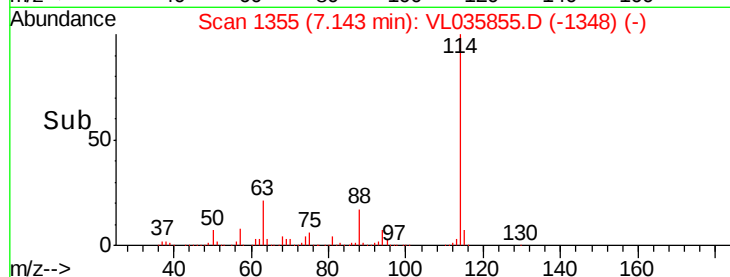
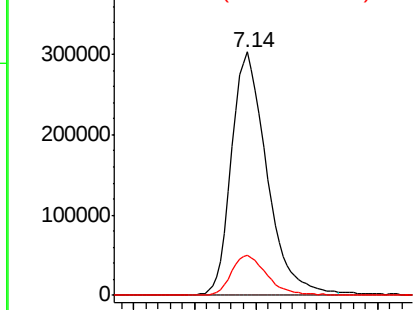


Abundance

Ion 63.10 (62.80 to 63.80): VL0

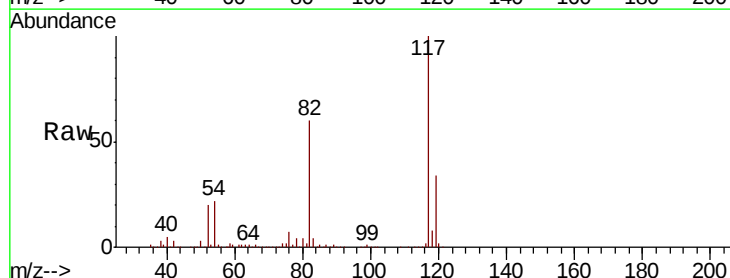
Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.05 min Scan# 2882
 Delta R.T. -0.04 min
 Lab File: VL035855.D
 Acq: 5 Nov 2020 6:03

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.3	50.6	76.0
119	33.6	52.6	78.8#

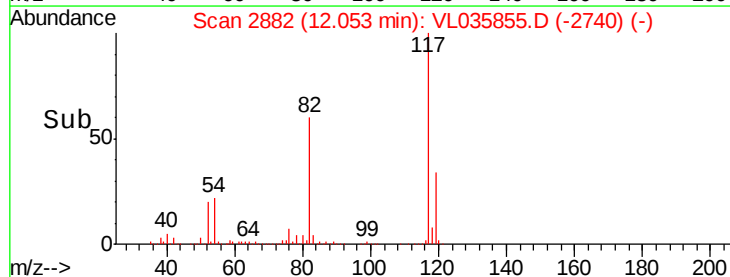
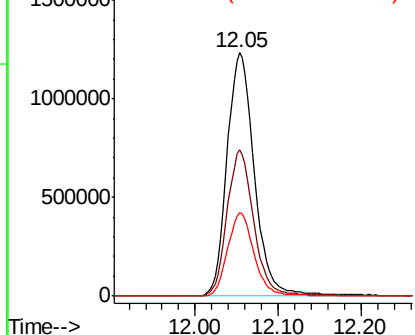


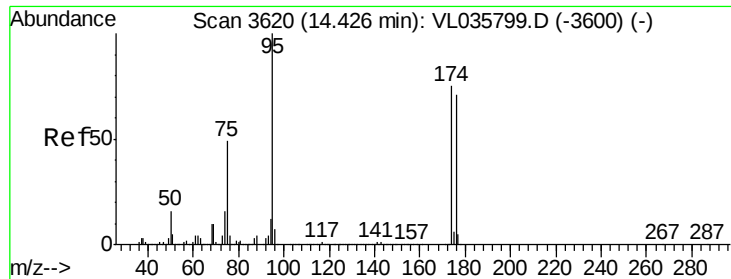
Abundance

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: 10.079 ppbv

RT: 14.39 min Scan# 3608

Delta R.T. -0.04 min

Lab File: VL035855.D

Acq: 5 Nov 2020 6:03

Instrument :

MSVOA_L

ClientSampleId :

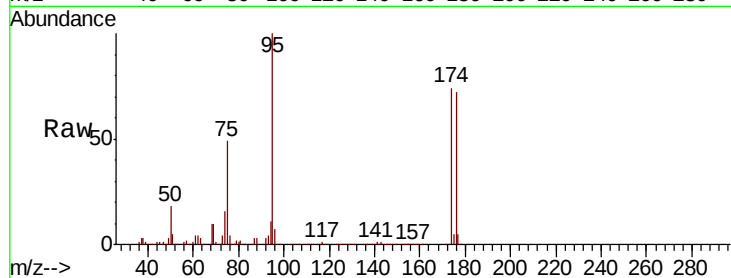
Tot Ion: 95 Resp: 2026233

Ion Ratio Lower Upper

95 100

174 76.5 59.8 89.6

175 5.3 4.3 6.5



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

