

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030320\
 Data File : VL034762.D
 Acq On : 3 Mar 2020 13:48
 Operator : SY/AP
 Sample : L1704-01DL2 100X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 04 05:46:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 01:15:02 2020
 QLast Update : Fri Feb 28 01:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1113183	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.20	114	2274884	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.14	117	2365456	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1946243	10.03	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.30%

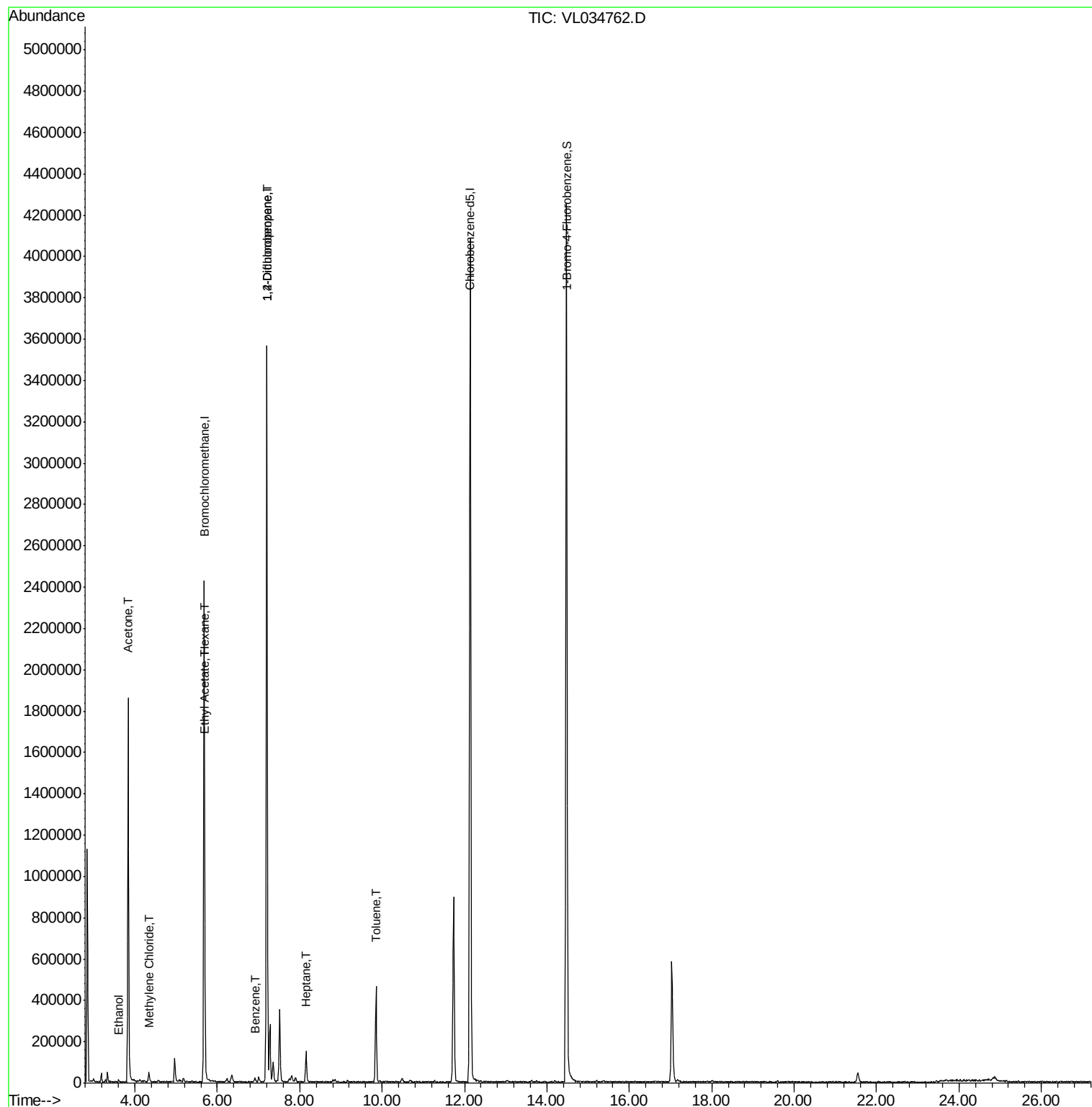
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) Heptane	8.15	43	27494	0.213	ppbv #	48
13) Ethanol	3.60	45	2592	0.163	ppbv #	37
15) Acetone	3.83	43	1866515	14.715	ppbv	100
20) Methylene Chloride	4.34	84	12842	0.272	ppbv	92
25) Ethyl Acetate	5.70	43	7323	0.033	ppbv #	82
26) Hexane	5.70	57	4359	0.042	ppbv #	1
36) Benzene	6.91	78	5772	0.029	ppbv #	88
39) 1,2-Dichloropropane	7.20	63	675357	8.640	ppbv #	23
53) Toluene	9.85	91	311842	1.492	ppbv	99

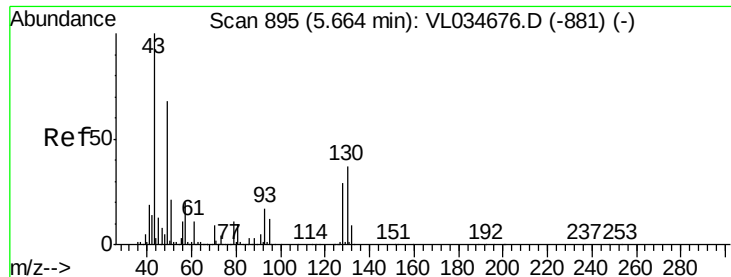
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Feb 28 01:15:02 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.01 min

Lab File: VL034762.D

Acq: 3 Mar 2020 13:48

Instrument :

MSVOA_L

ClientSampleId :

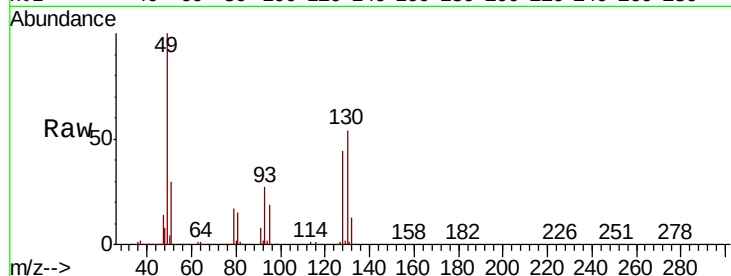
Tot Ion: 49 Resp: 1113183

Ion Ratio Lower Upper

49 100

128 44.3 21.6 65.0

130 56.4 27.7 83.1



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

800000

600000

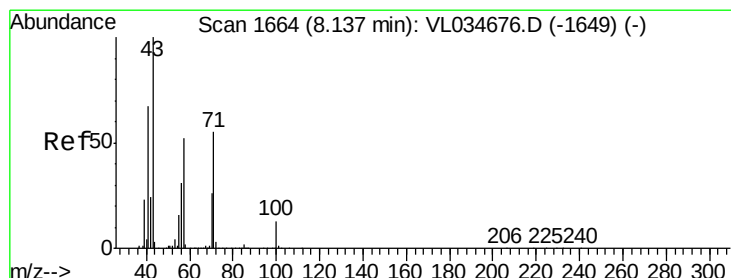
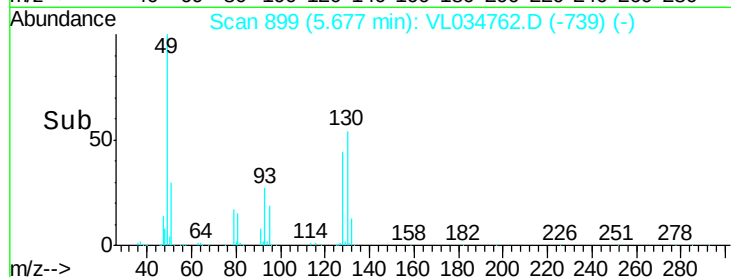
400000

200000

0

5.60 5.65 5.70 5.75

Time-->



#10

Heptane

Concen: 0.213 ppbv

RT: 8.15 min Scan# 1669

Delta R.T. 0.02 min

Lab File: VL034762.D

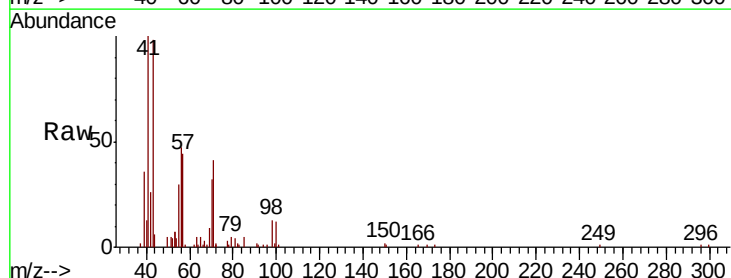
Acq: 3 Mar 2020 13:48

Tgt Ion: 43 Resp: 27494

Ion Ratio Lower Upper

43 100

57 87.7 41.0 61.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

30000

25000

20000

15000

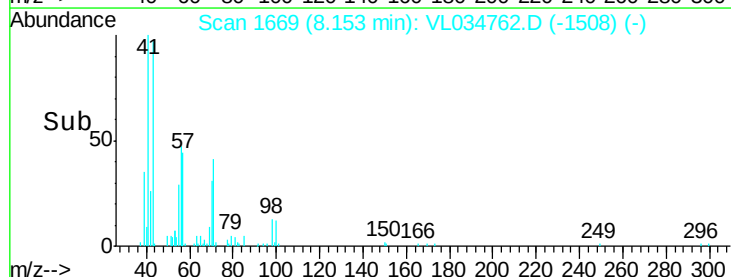
10000

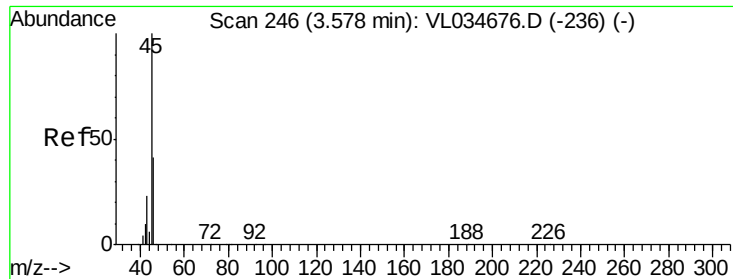
5000

0

8.10 8.12 8.14 8.16

Time-->

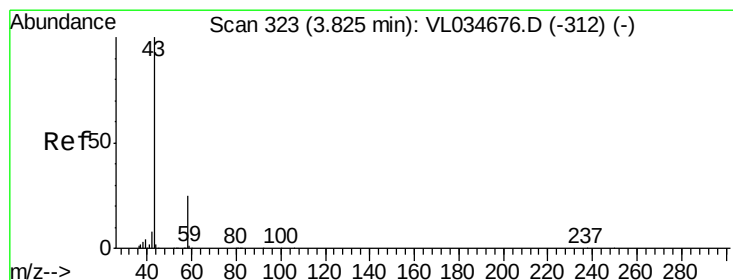
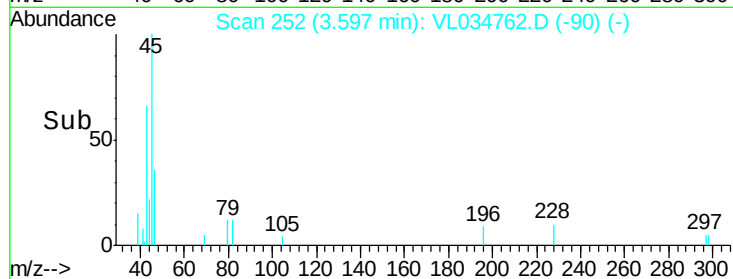
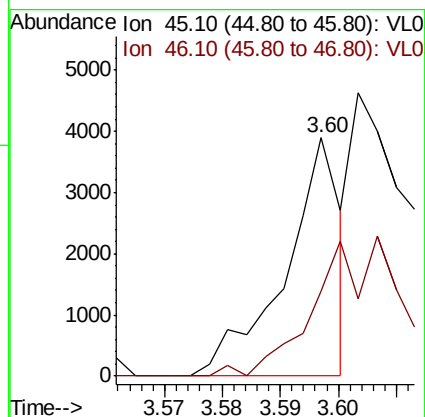
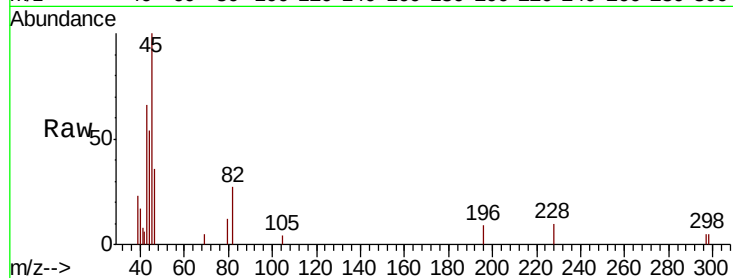




#13
Ethanol
Concen: 0.163 ppbv
RT: 3.60 min Scan# 252
Delta R.T. 0.02 min
Lab File: VL034762.D
Acq: 3 Mar 2020 13:48

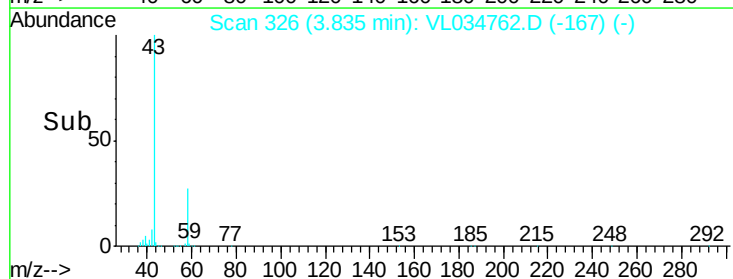
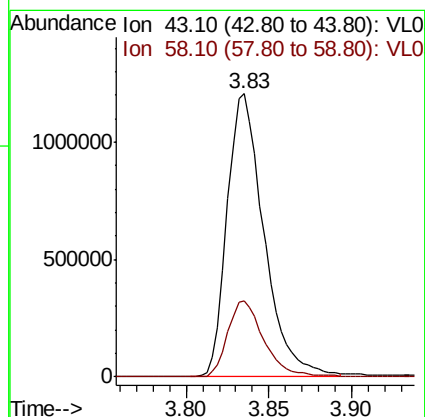
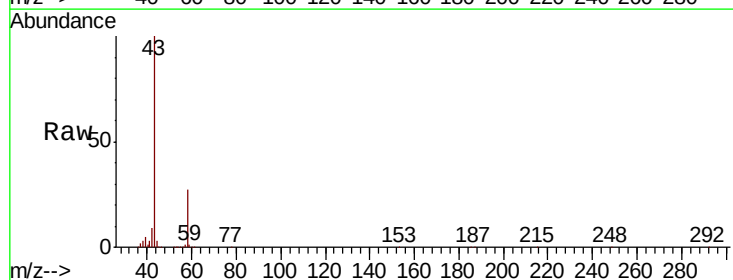
Instrument :
MSVOA_L
ClientSampleId :

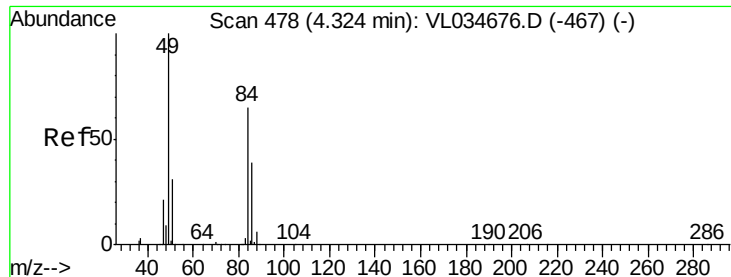
Tot Ion: 45 Resp: 2592
Ion Ratio Lower Upper
45 100
46 0.0 15.4 61.4#



#15
Acetone
Concen: 14.715 ppbv
RT: 3.83 min Scan# 326
Delta R.T. 0.01 min
Lab File: VL034762.D
Acq: 3 Mar 2020 13:48

Tgt Ion: 43 Resp: 1866515
Ion Ratio Lower Upper
43 100
58 26.5 21.4 32.0

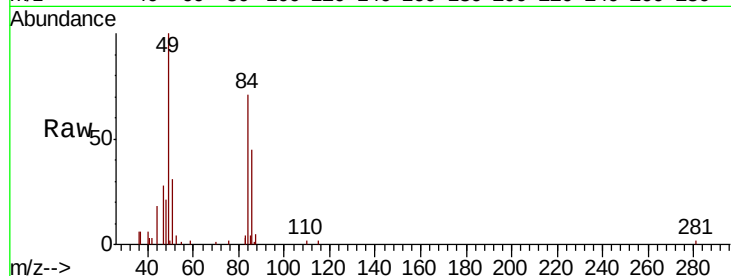




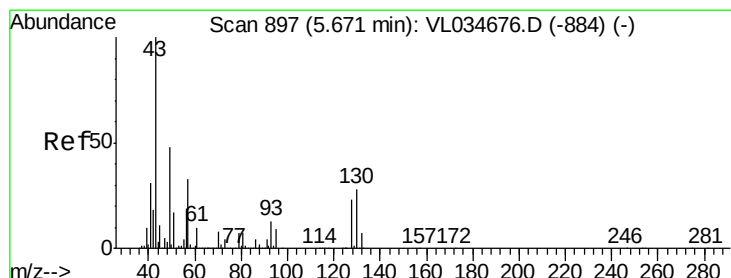
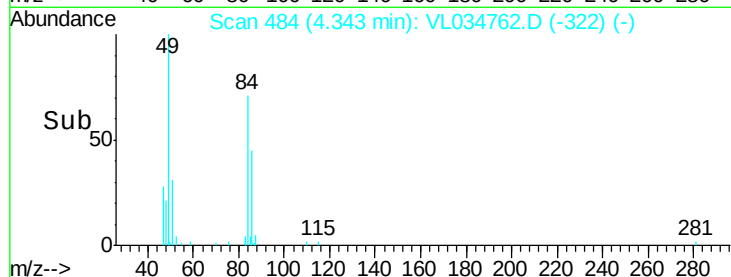
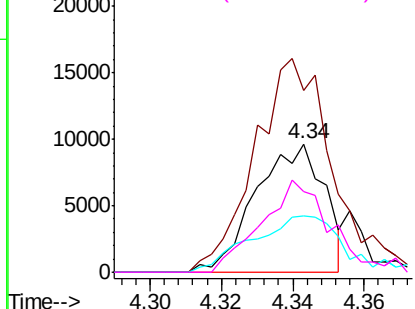
#20
Methylene Chloride
Concen: 0.272 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.02 min
Lab File: VL034762.D
Acq: 3 Mar 2020 13:48

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	84	Resp:	12842
Ion	Ratio	Lower	Upper
84	100		
49	141.4	122.8	184.2
51	43.9	38.6	58.0
86	63.0	47.7	71.5

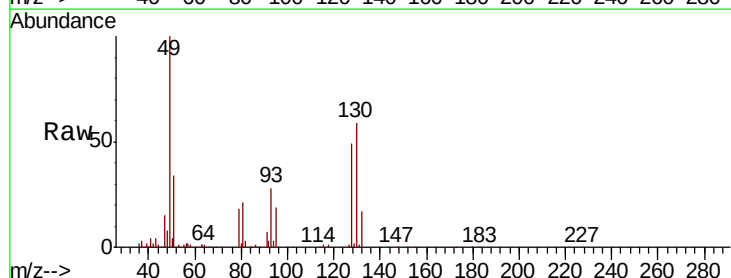


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

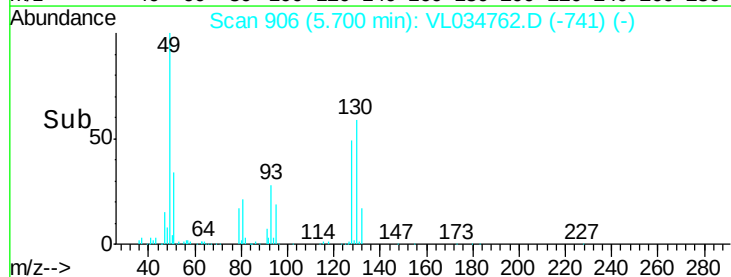
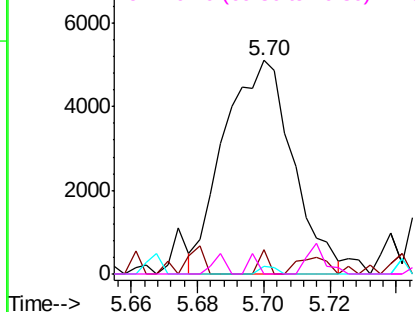


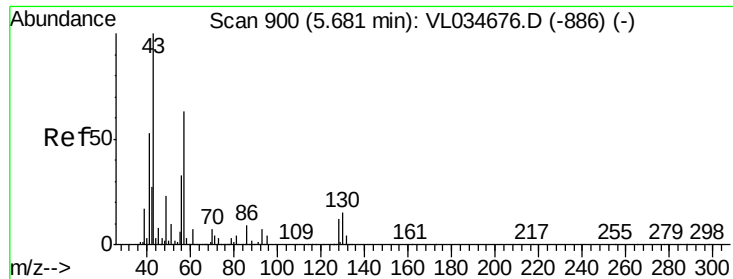
#25
Ethyl Acetate
Concen: 0.033 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.03 min
Lab File: VL034762.D
Acq: 3 Mar 2020 13:48

Tgt Ion:	43	Resp:	7323
Ion	Ratio	Lower	Upper
43	100		
45	5.1	8.2	12.4#
61	0.9	7.8	11.6#
70	1.8	6.1	9.1#



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

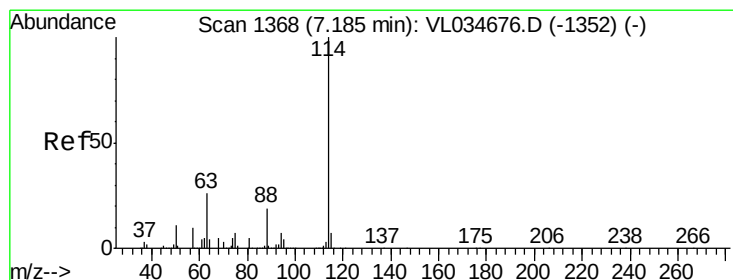
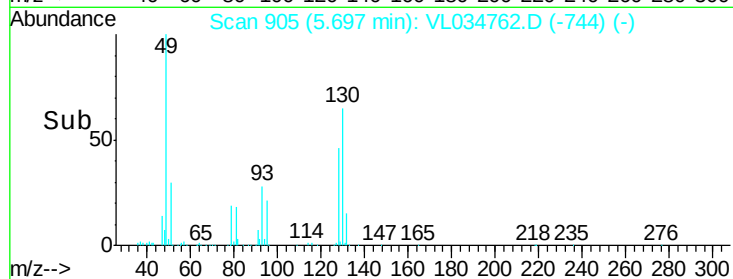
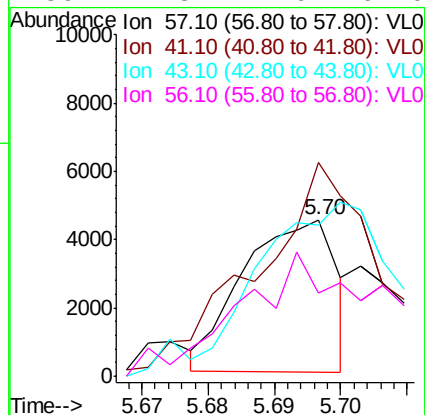
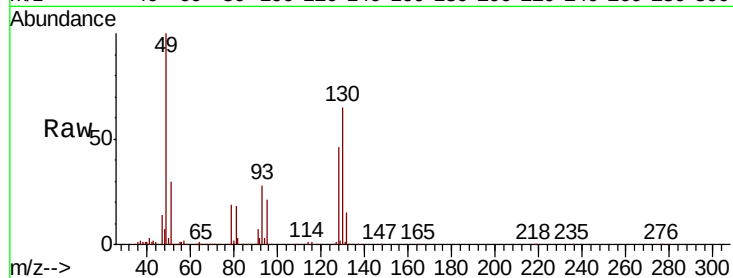




#26
Hexane
Concen: 0.042 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.02 min
Lab File: VL034762.D
Acq: 3 Mar 2020 13:48

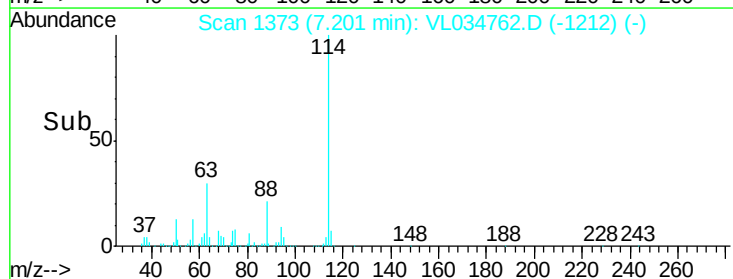
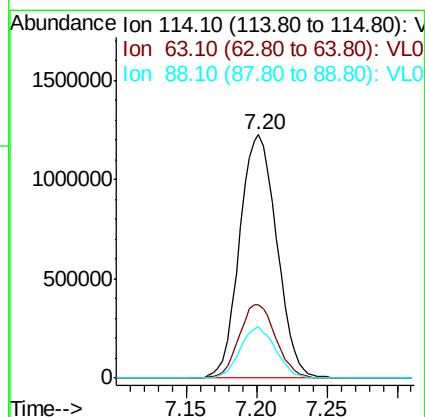
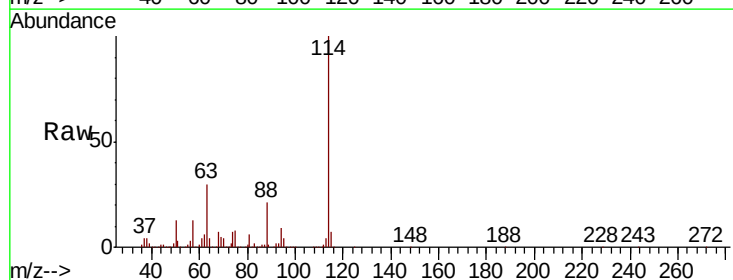
Instrument :
MSVOA_L
ClientSampled :

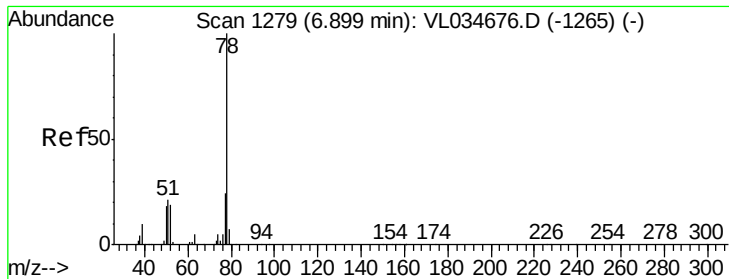
Tot Ion: 57 Resp: 4359
Ion Ratio Lower Upper
57 100
41 203.0 70.3 105.5#
43 0.0 177.0 265.4#
56 144.8 42.6 64.0#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1373
Delta R.T. 0.02 min
Lab File: VL034762.D
Acq: 3 Mar 2020 13:48

Tgt Ion: 114 Resp: 2274884
Ion Ratio Lower Upper
114 100
63 29.9 22.9 34.3
88 20.1 15.8 23.6





#36

Benzene

Concen: 0.029 ppbv

RT: 6.91 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VL034762.D

Acq: 3 Mar 2020 13:48

Instrument :

MSVOA_L

ClientSampleId :

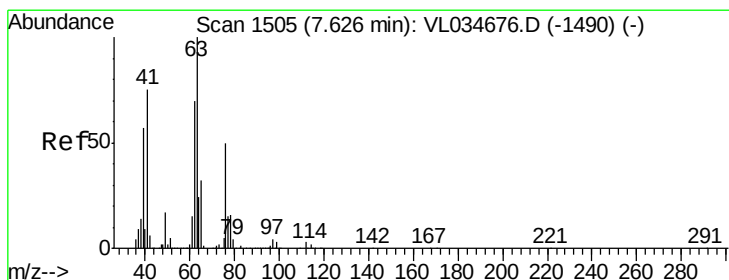
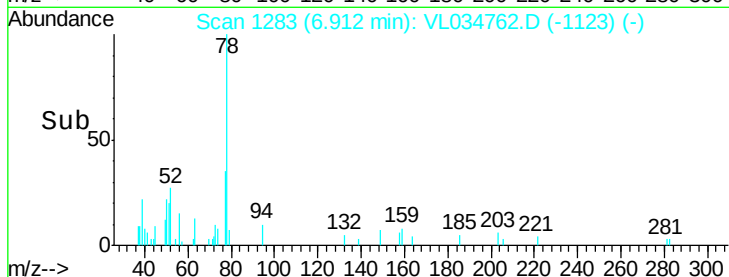
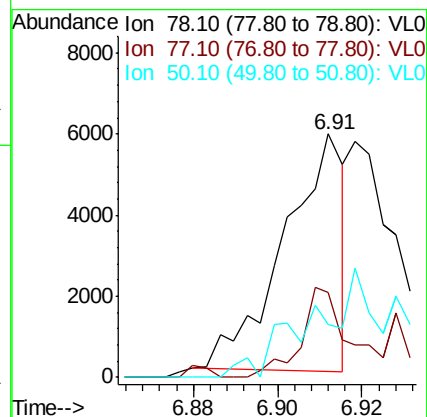
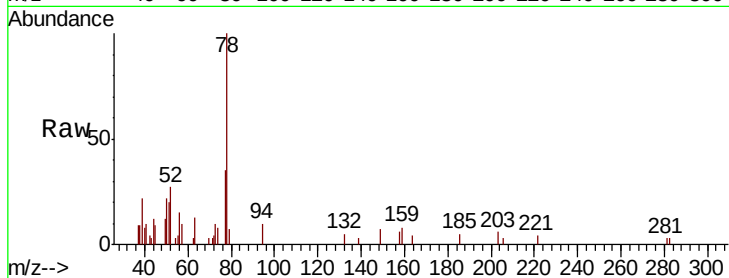
Tot Ion: 78 Resp: 5772

Ion Ratio Lower Upper

78 100

77 30.9 19.5 29.3#

50 22.5 14.6 21.8#



#39

1,2-Dichloropropane

Concen: 8.640 ppbv

RT: 7.20 min Scan# 1372

Delta R.T. -0.43 min

Lab File: VL034762.D

Acq: 3 Mar 2020 13:48

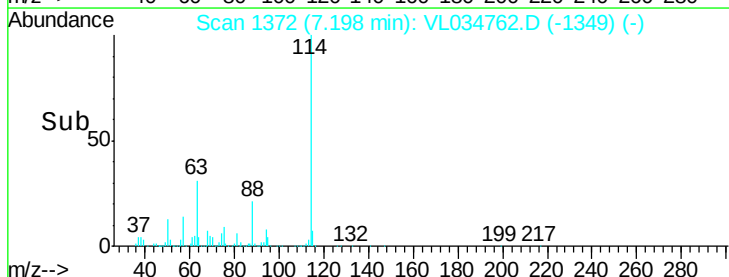
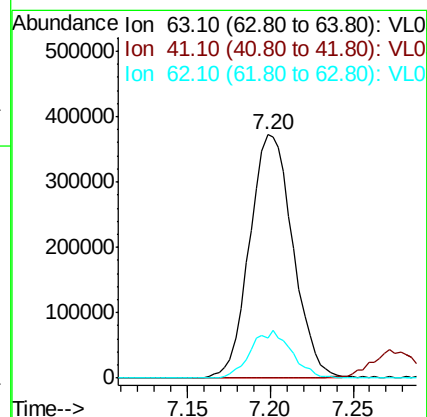
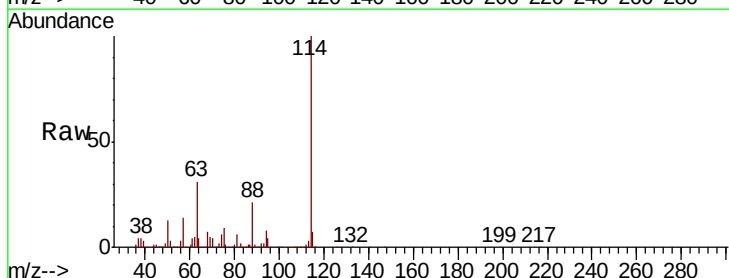
Tgt Ion: 63 Resp: 675357

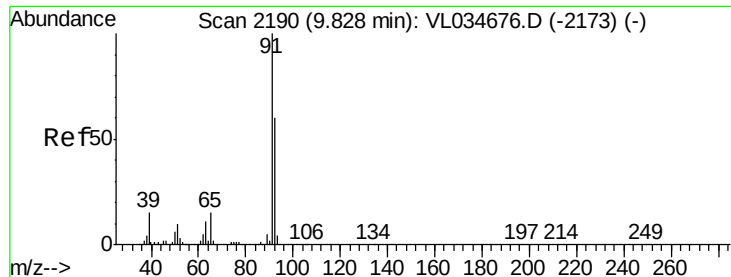
Ion Ratio Lower Upper

63 100

41 0.0 60.2 90.4#

62 16.4 56.3 84.5#





#53

Toluene

Concen: 1.492 ppbv

RT: 9.85 min Scan# 2196

Delta R.T. 0.02 min

Lab File: VL034762.D

Acq: 3 Mar 2020 13:48

Instrument :

MSVOA_L

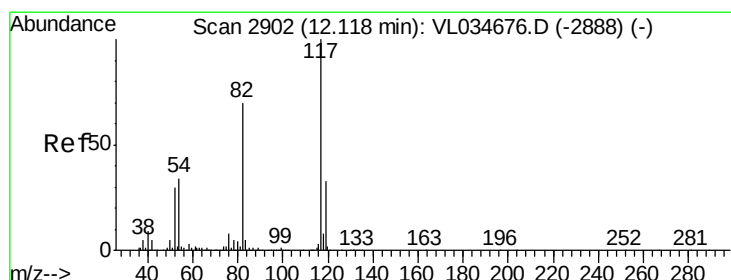
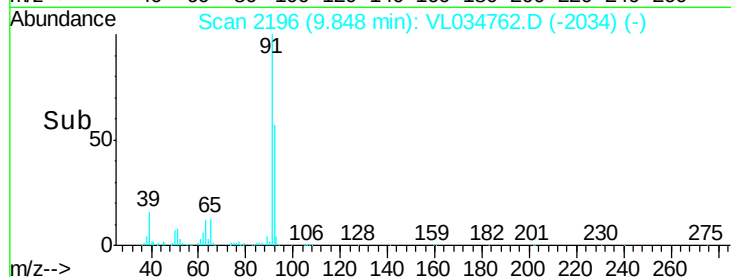
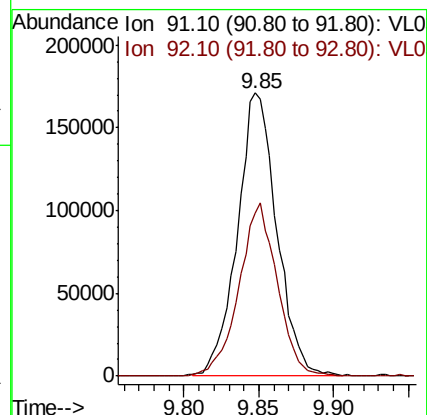
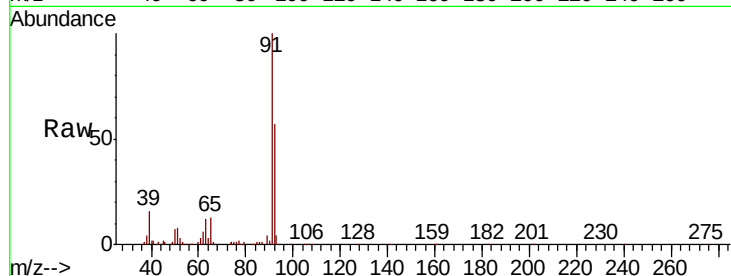
ClientSampleId :

Tot Ion: 91 Resp: 311842

Ion Ratio Lower Upper

91 100

92 59.8 48.5 72.7



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.14 min Scan# 2908

Delta R.T. 0.02 min

Lab File: VL034762.D

Acq: 3 Mar 2020 13:48

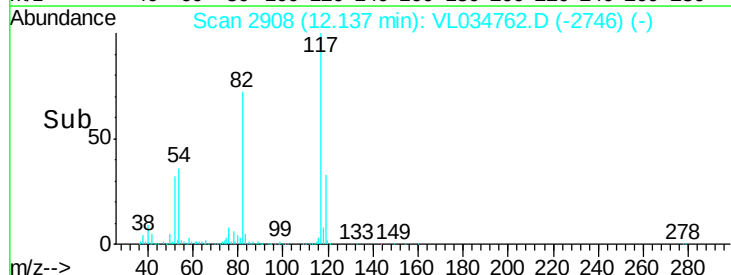
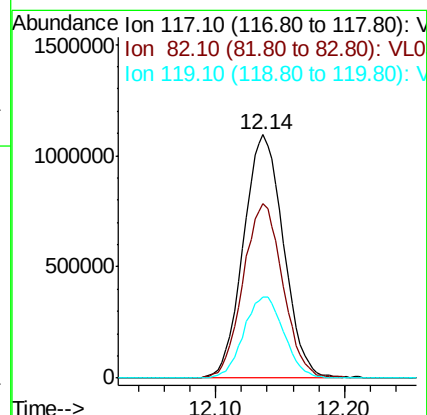
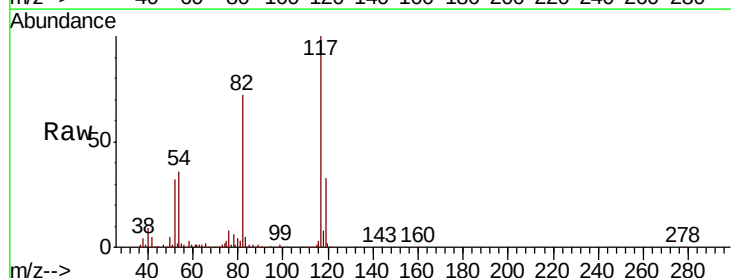
Tgt Ion: 117 Resp: 2365456

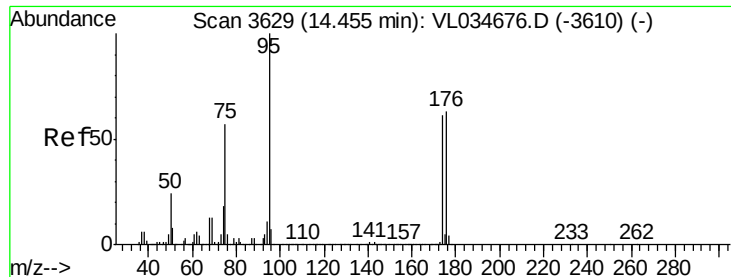
Ion Ratio Lower Upper

117 100

82 71.2 54.1 81.1

119 33.5 27.6 41.4





#68

1-Bromo-4-Fluorobenzene

Concen: 10.034 ppbv

RT: 14.47 min Scan# 3635

Delta R.T. 0.02 min

Lab File: VL034762.D

Acq: 3 Mar 2020 13:48

Instrument :

MSVOA_L

ClientSampleId :

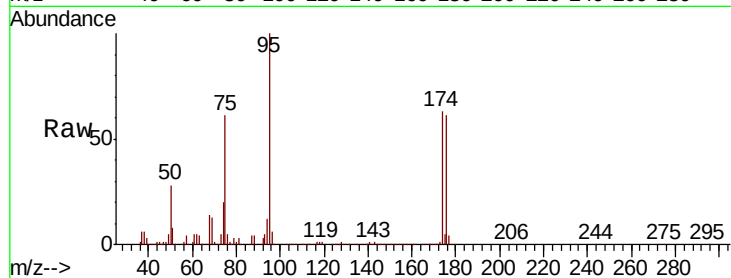
Tot Ion: 95 Resp: 1946243

Ion Ratio Lower Upper

95 100

174 63.5 50.7 76.1

175 4.7 3.9 5.9



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

