

Data File : VL034809.D
Acq On : 6 Mar 2020 00:18
Operator : SY/AP
Sample : VIBLK
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Quant Time: Mar 06 03:50:21 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030420AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04 06:36:39 2020
QLast Update : Wed Mar 04 06:36:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	482951	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.18	114	1178603	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.11	117	1170518	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	904975	9.27	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) Chloroethane	3.22	64	455	0.042	ppbv #	44
20) Methylene Chloride	4.32	84	1208	0.059	ppbv #	54
39) 1,2-Dichloropropane	7.17	63	279172	6.869	ppbv #	23
58) Ethyl Benzene	12.74	91	9231	0.064	ppbv	91
59) m/p-Xylene	13.02	91	26286	0.211	ppbv #	31
60) o-Xylene	13.72	91	32541	0.258	ppbv #	64
63) 1,1,2,2-Tetrachloroethane	13.70	83	4543	0.046	ppbv #	24

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

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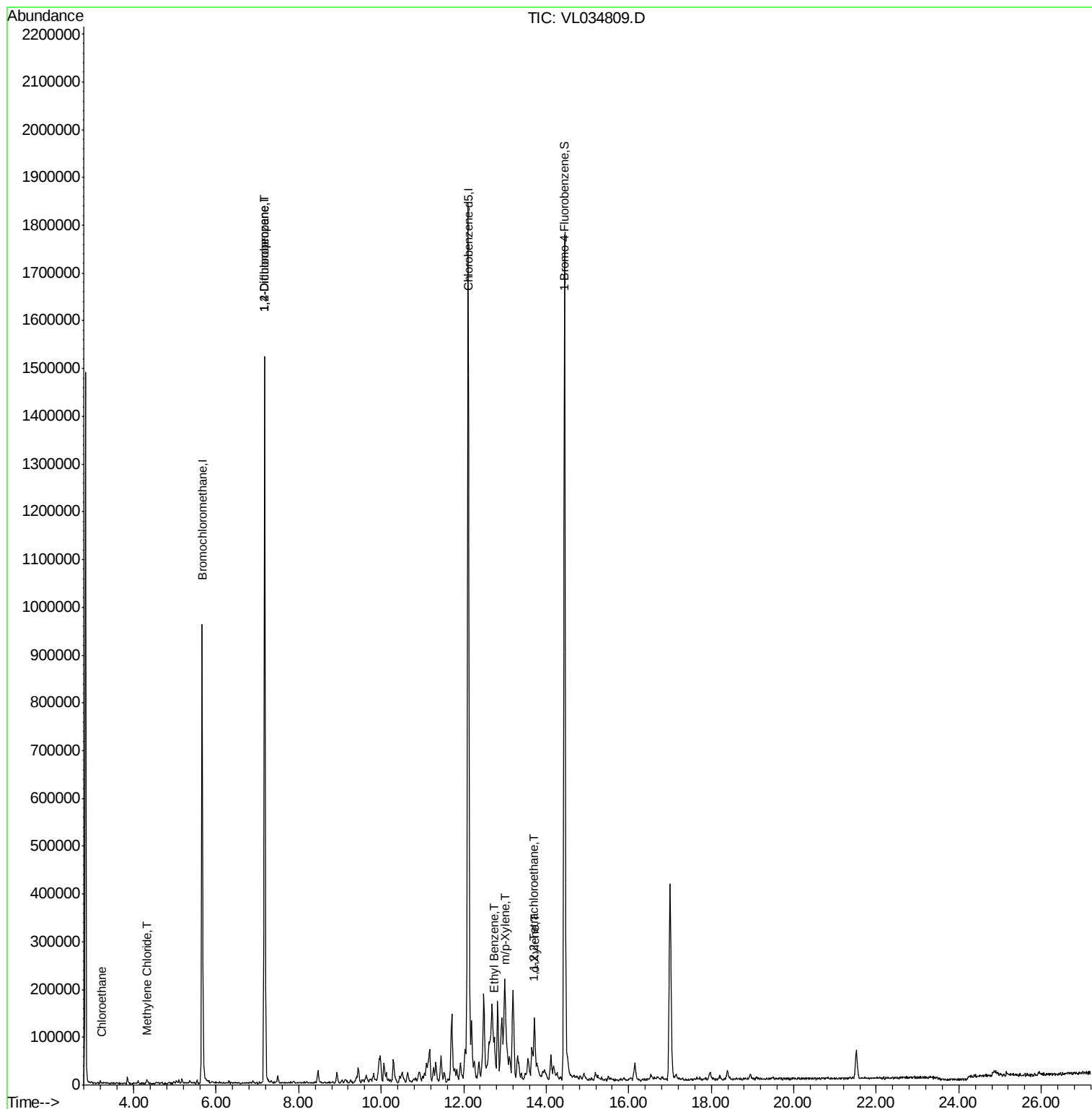
Quant Time: Mar 06 03:50:21 2020

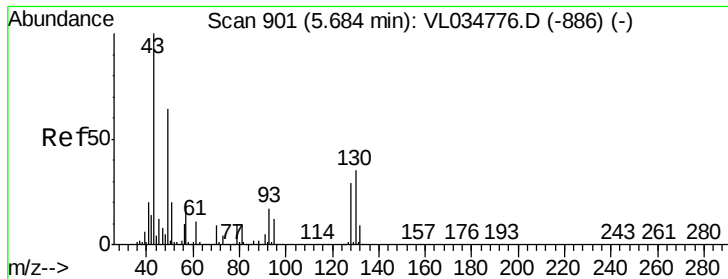
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030420AIR.M

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.03 min

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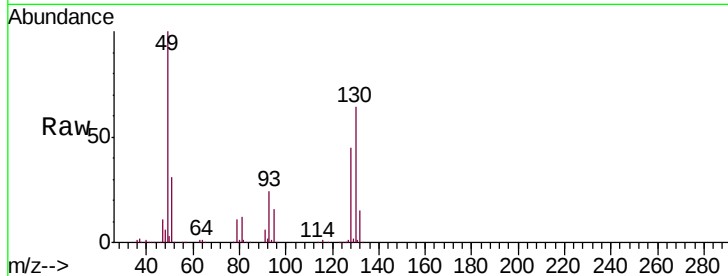
Tgt Ion: 49 Resp: 482951

Ion Ratio Lower Upper

49 100

128 49.4 21.6 64.6

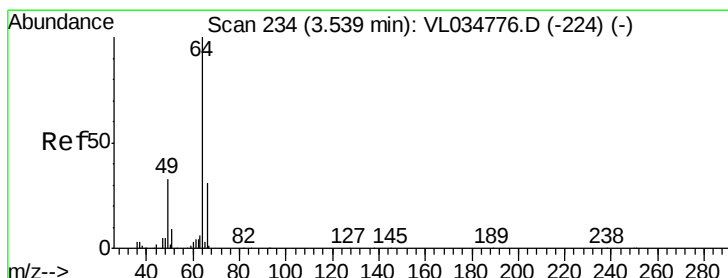
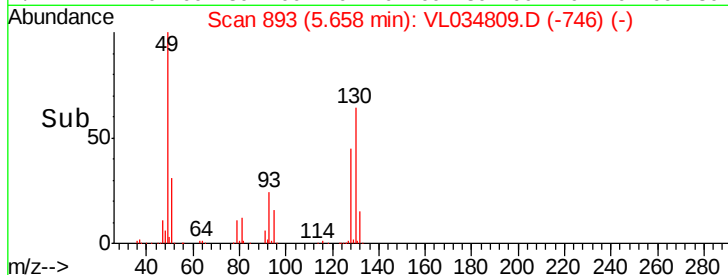
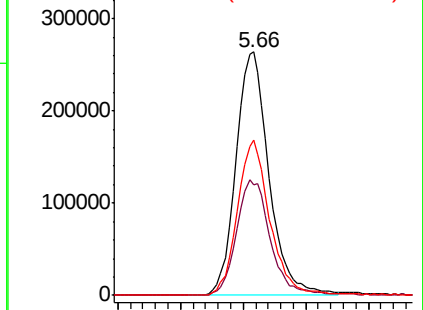
130 63.3 27.4 82.2



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



#7

Chloroethane

Concen: 0.042 ppbv

RT: 3.22 min Scan# 136

Delta R.T. -0.32 min

Lab File: VL034809.D

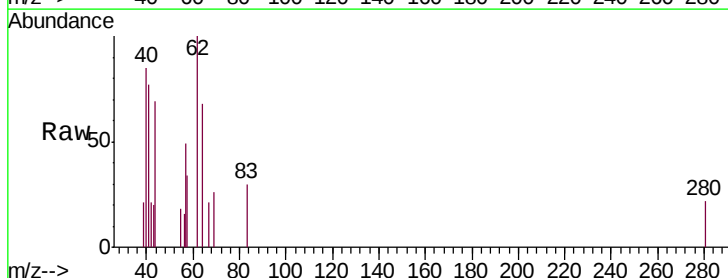
Acq: 6 Mar 2020 00:18

Tgt Ion: 64 Resp: 455

Ion Ratio Lower Upper

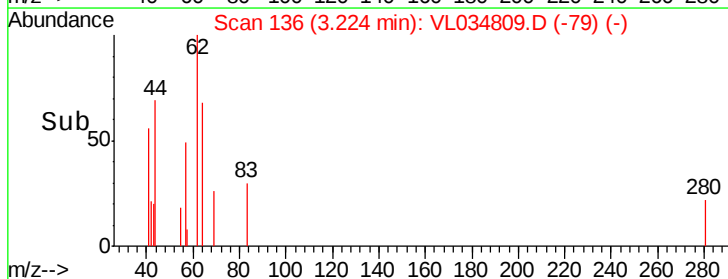
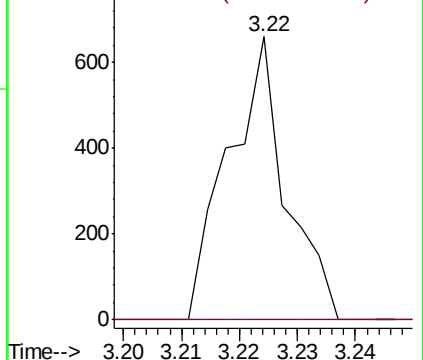
64 100

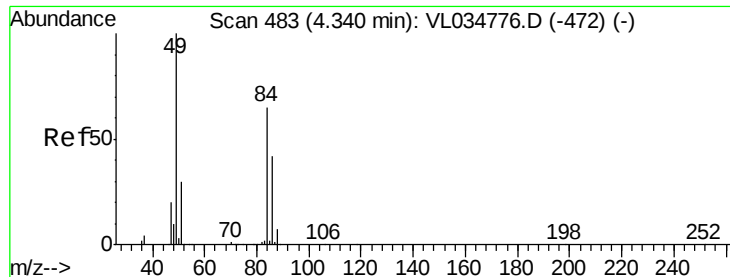
66 0.0 24.8 37.2#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

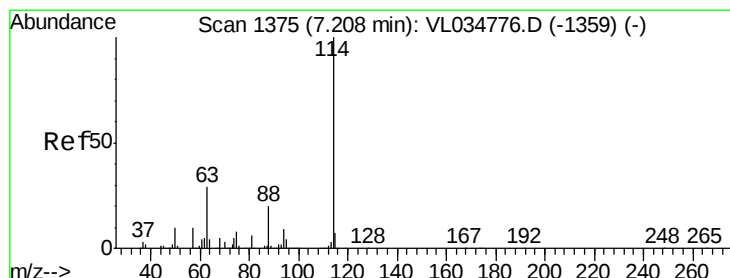
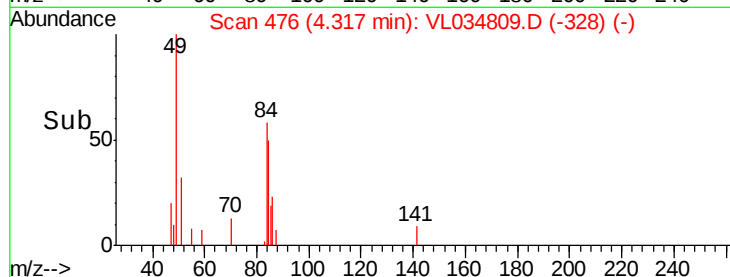
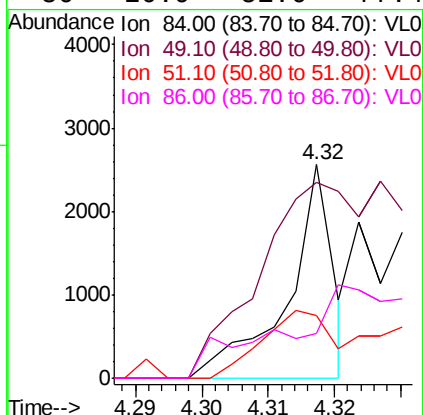
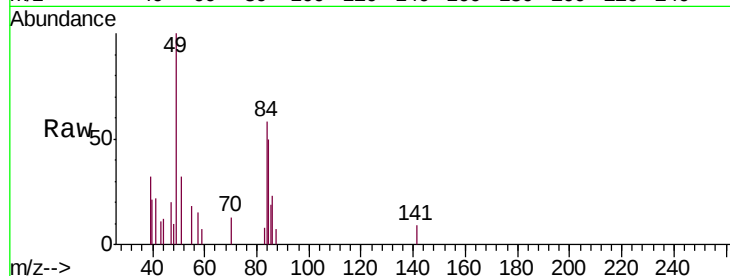




#20
Methylene Chloride
Concen: 0.059 ppbv
RT: 4.32 min Scan# 476
Delta R.T. -0.02 min
Lab File: VL034809.D
Acq: 6 Mar 2020 00:18

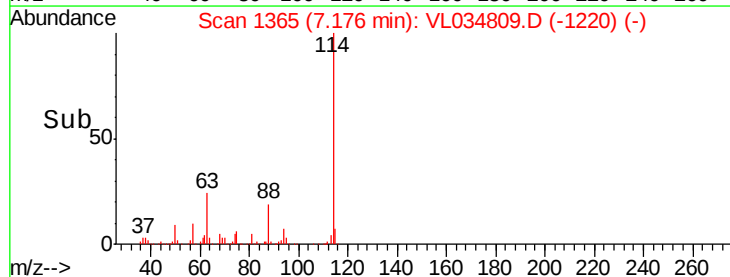
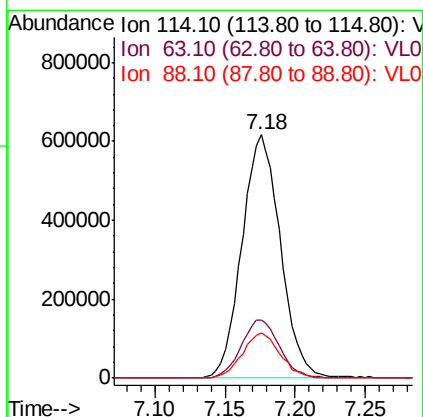
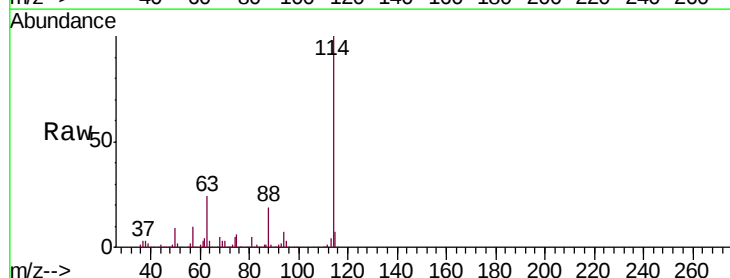
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

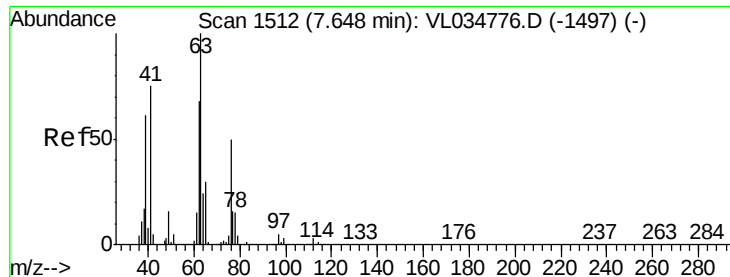
Tgt Ion:	84	Resp:	1208
Ion	Ratio	Lower	Upper
84	100		
49	92.0	123.2	184.8#
51	29.7	37.4	56.2#
86	20.9	51.6	77.4#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.03 min
Lab File: VL034809.D
Acq: 6 Mar 2020 00:18

Tgt Ion:	114	Resp:	1178603
Ion	Ratio	Lower	Upper
114	100		
63	23.7	23.6	35.4
88	18.3	15.8	23.8





#39

1,2-Dichloropropane

Concen: 6.869 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.48 min

Lab File: VL034809.D

Acq: 6 Mar 2020 00:18

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

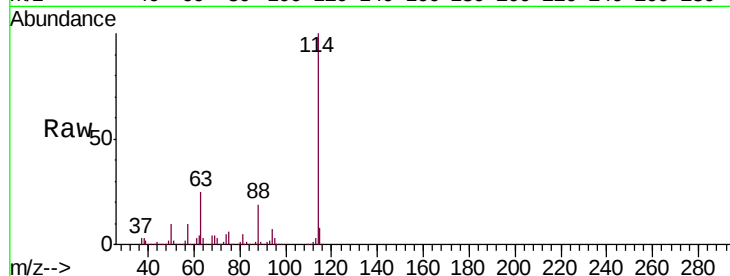
Tgt Ion: 63 Resp: 279172

Ion Ratio Lower Upper

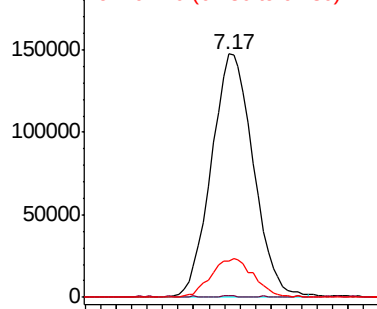
63 100

41 0.2 60.3 90.5#

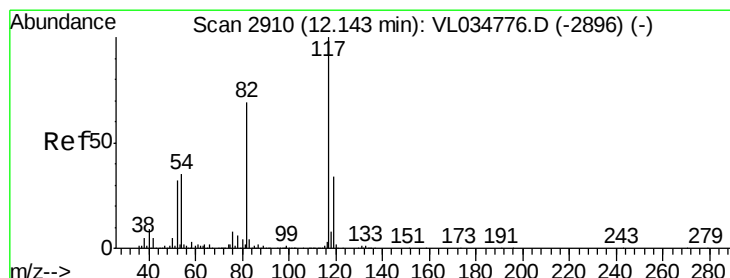
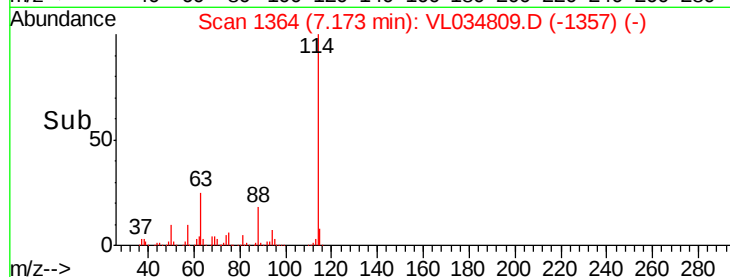
62 15.0 54.5 81.7#



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



Time-->



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. -0.04 min

Lab File: VL034809.D

Acq: 6 Mar 2020 00:18

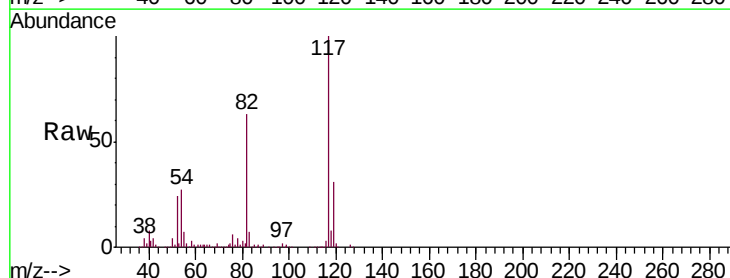
Tgt Ion: 117 Resp: 1170518

Ion Ratio Lower Upper

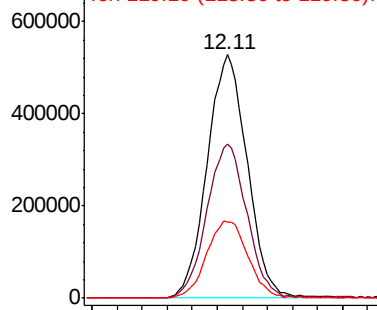
117 100

82 63.5 53.9 80.9

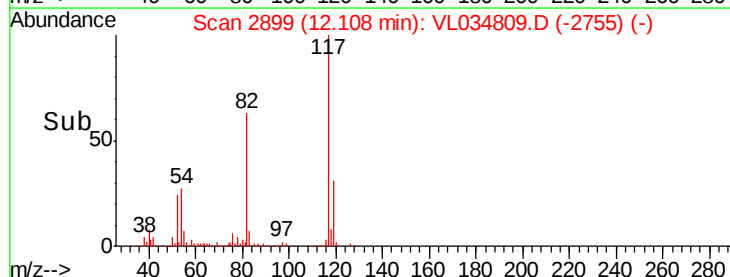
119 32.8 25.0 37.4

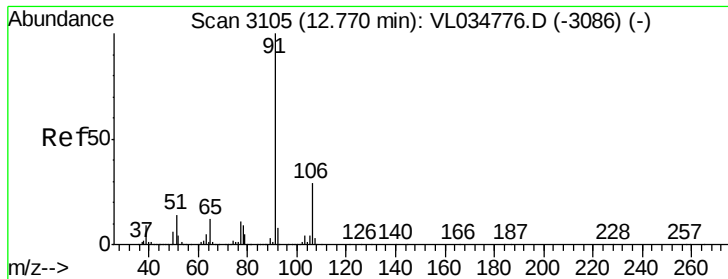


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



Time-->





#58

Ethyl Benzene

Concen: 0.064 ppbv

RT: 12.74 min Scan# 3095

Delta R.T. -0.03 min

Lab File: VL034809.D

Acq: 6 Mar 2020 00:18

Instrument :

MSVOA_L

ClientSampleId :

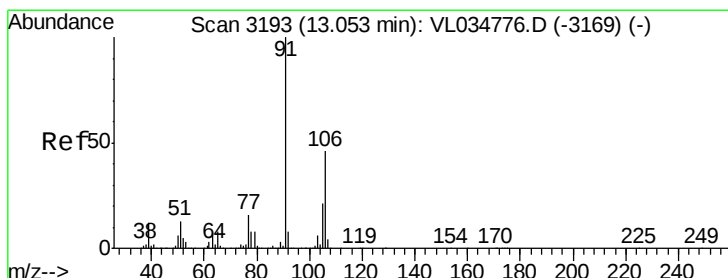
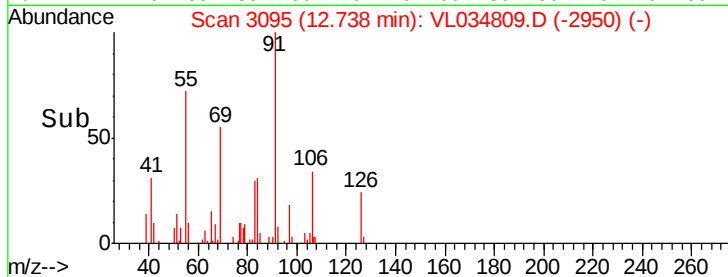
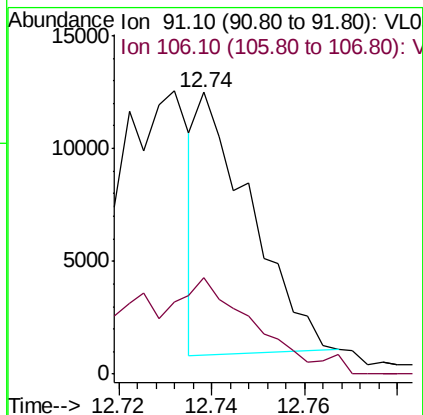
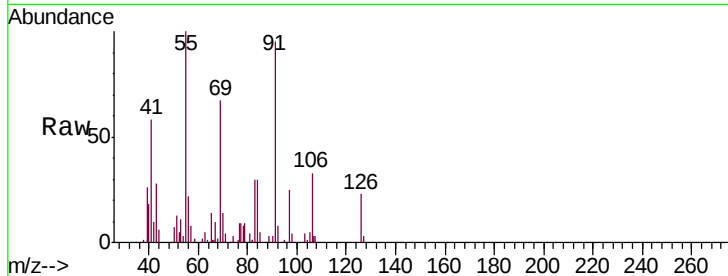
VIBLK

Tgt Ion: 91 Resp: 9231

Ion Ratio Lower Upper

91 100

106 33.0 22.8 34.2



#59

m/p-Xylene

Concen: 0.211 ppbv

RT: 13.02 min Scan# 3183

Delta R.T. -0.03 min

Lab File: VL034809.D

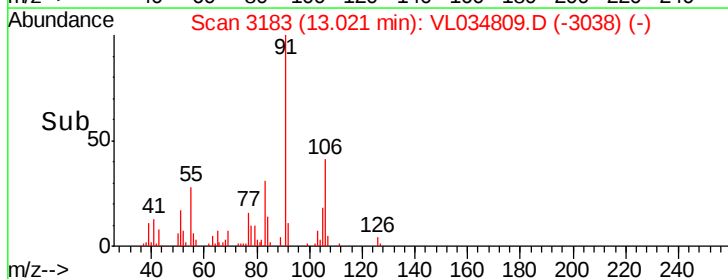
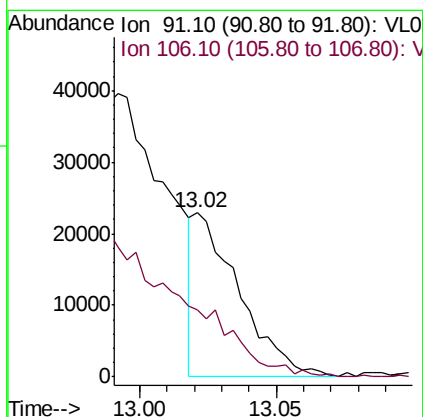
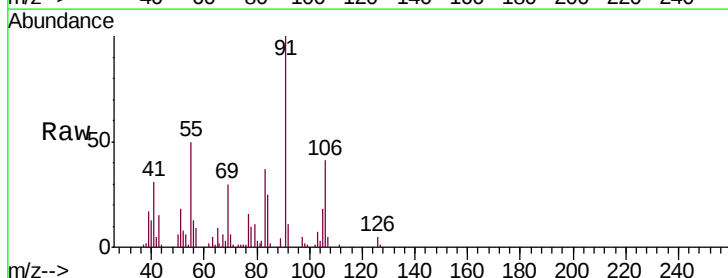
Acq: 6 Mar 2020 00:18

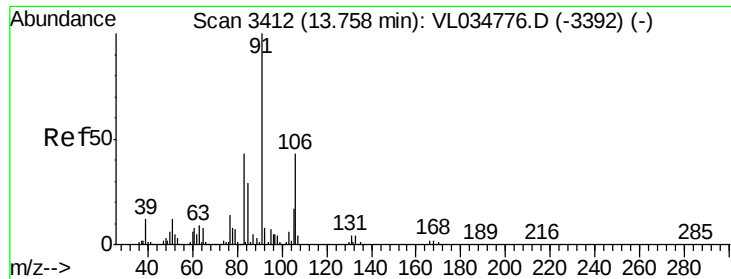
Tgt Ion: 91 Resp: 26286

Ion Ratio Lower Upper

91 100

106 0.0 35.8 53.8#

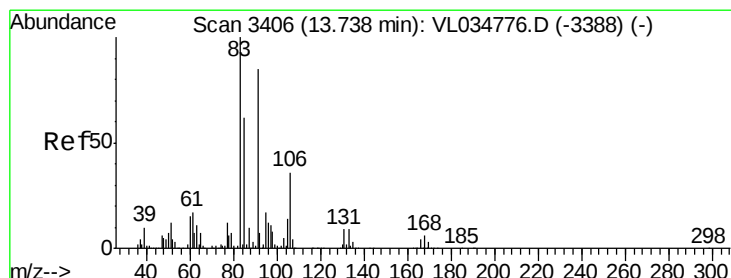
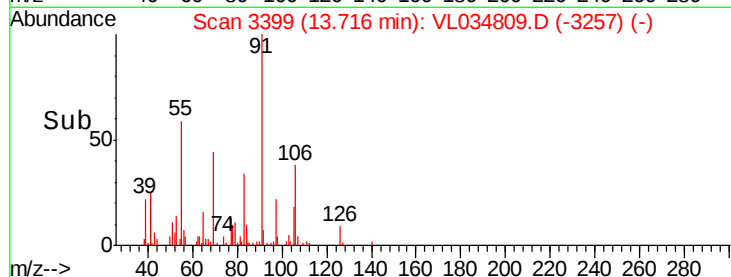
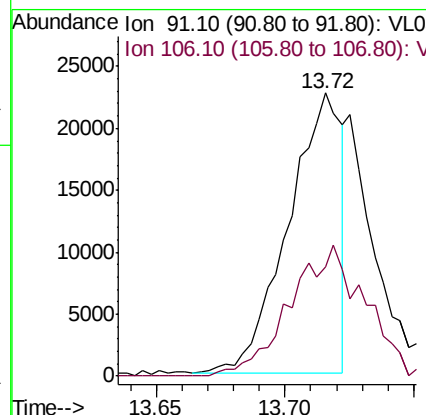
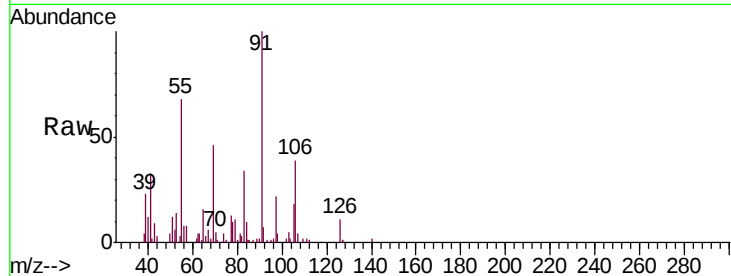




#60
o-Xylene
Concen: 0.258 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. -0.04 min
Lab File: VL034809.D
Acq: 6 Mar 2020 00:18

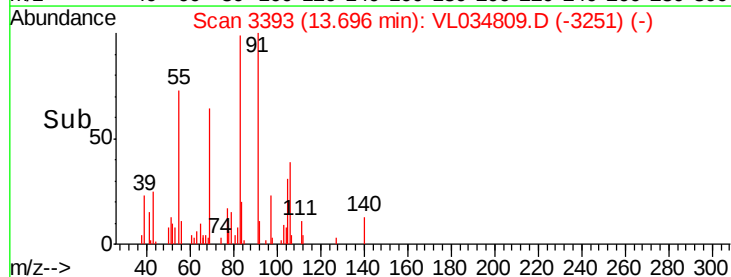
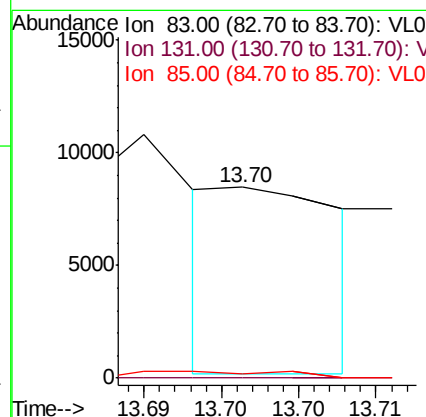
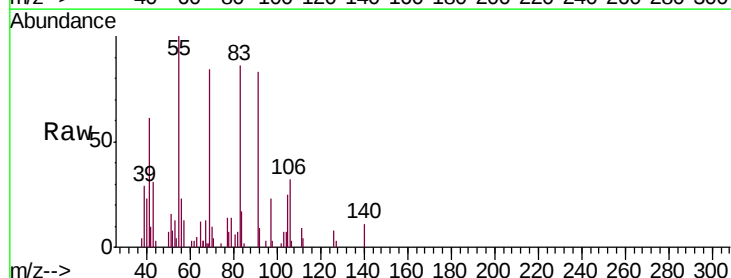
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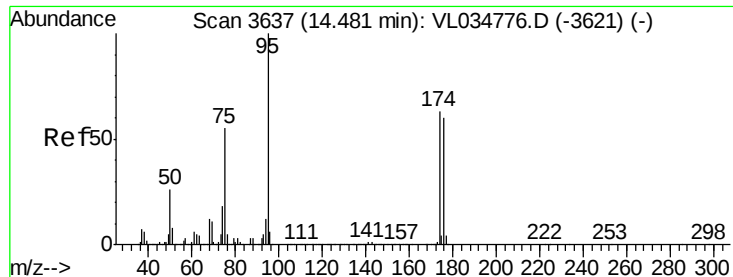
Tgt Ion: 91 Resp: 32541
Ion Ratio Lower Upper
91 100
106 66.4 21.7 65.1#



#63
1,1,2,2-Tetrachloroethane
Concen: 0.046 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.04 min
Lab File: VL034809.D
Acq: 6 Mar 2020 00:18

Tgt Ion: 83 Resp: 4543
Ion Ratio Lower Upper
83 100
131 0.0 4.7 14.0#
85 0.0 32.9 98.7#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.272 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. -0.04 min

Lab File: VL034809.D

Acq: 6 Mar 2020 00:18

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tgt Ion: 95 Resp: 904975

Ion Ratio Lower Upper

95 100

174 75.5 50.6 76.0

175 5.7 3.8 5.6#

