

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052220\
 Data File : VL035085.D
 Acq On : 22 May 2020 15:24
 Operator : SY/AP
 Sample : L2739-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL

Quant Time: May 24 00:32:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1015964	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	2392273	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2255423	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1917434	10.50	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.00%

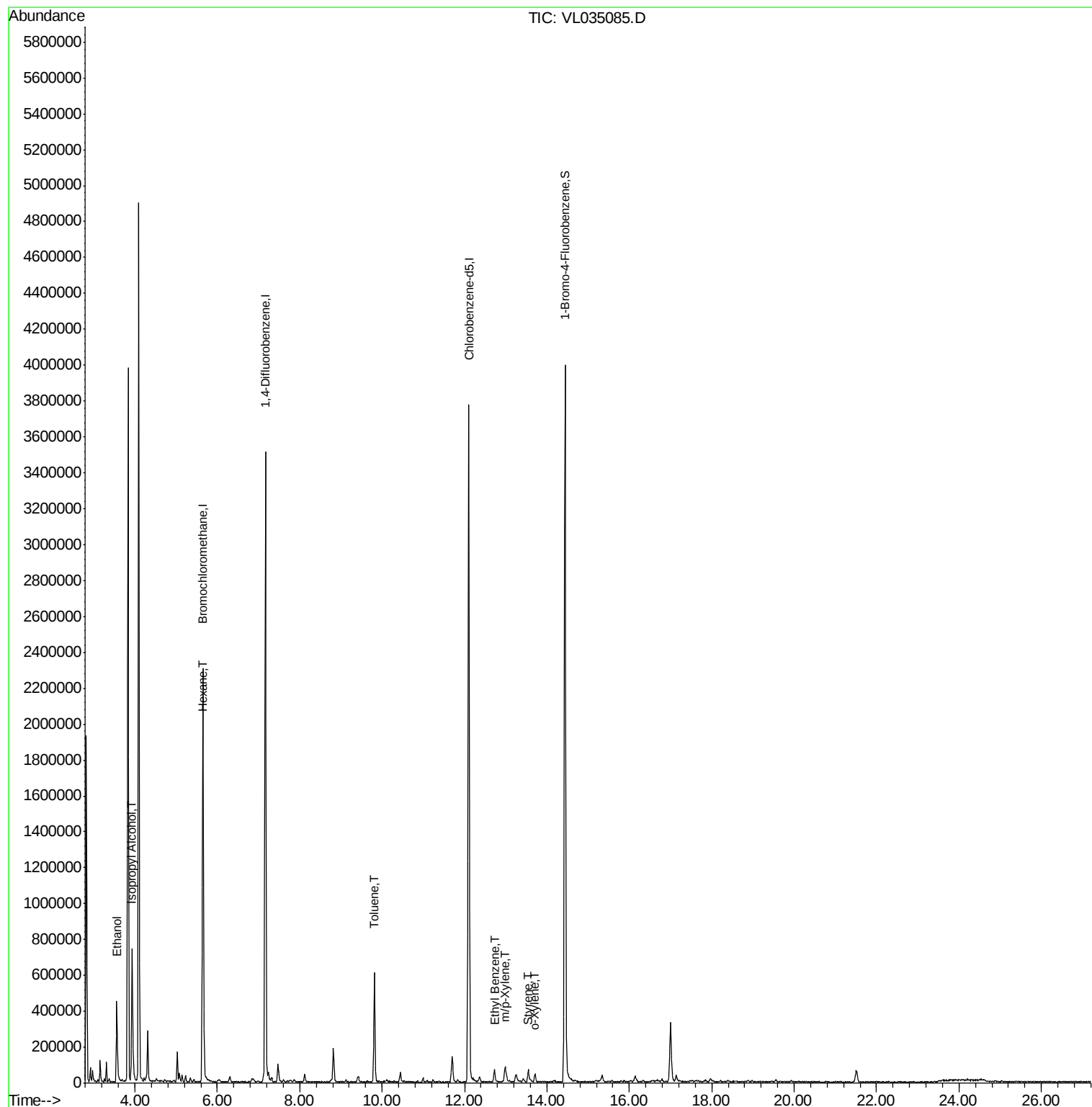
Target Compounds					Ovalue
13) Ethanol	3.56	45	438068	26.375	ppbv 99
19) Isopropyl Alcohol	3.93	45	794293	8.868	ppbv # 98
26) Hexane	5.66	57	98136	1.003	ppbv # 68
53) Toluene	9.81	91	444054	2.124	ppbv 98
58) Ethyl Benzene	12.72	91	56863m	0.204	ppbv
59) m/p-Xylene	13.00	91	80366m	0.328	ppbv
60) o-Xylene	13.71	91	33330m	0.138	ppbv
61) Styrene	13.55	104	31268m	0.204	ppbv

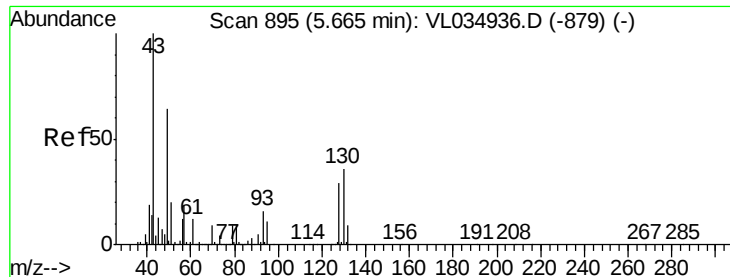
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.02 min

Lab File: VL035085.D

Acq: 22 May 2020 15:24

Instrument :

MSVOA_L

ClientSampleId :

IA-1DL

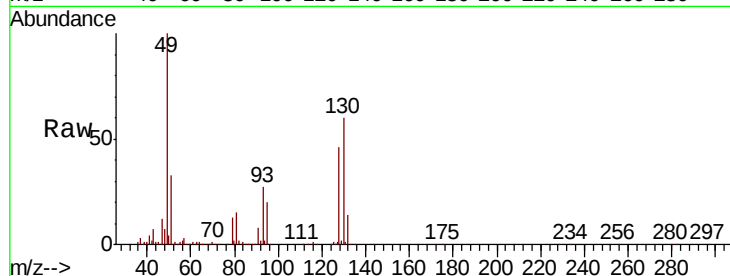
Tot Ion: 49 Resp: 1015964

Ion Ratio Lower Upper

49 100

128 46.1 22.1 66.5

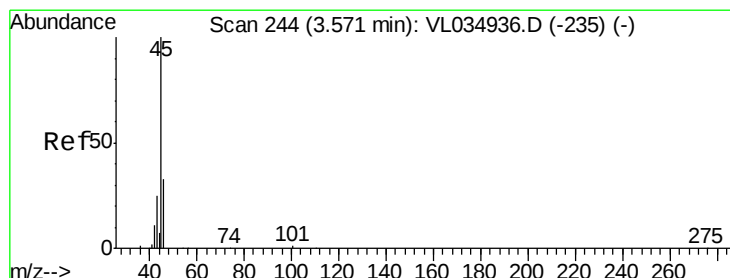
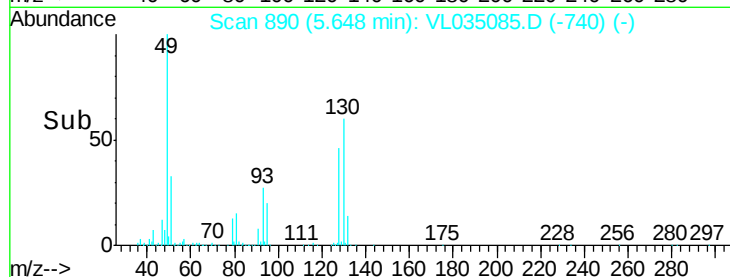
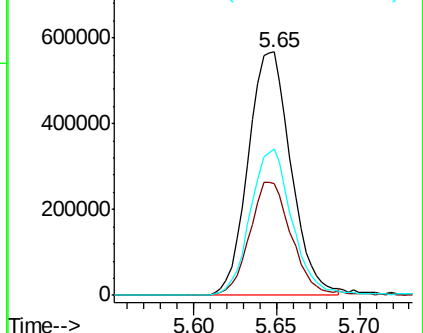
130 59.2 29.1 87.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#13

Ethanol

Concen: 26.375 ppbv

RT: 3.56 min Scan# 240

Delta R.T. -0.01 min

Lab File: VL035085.D

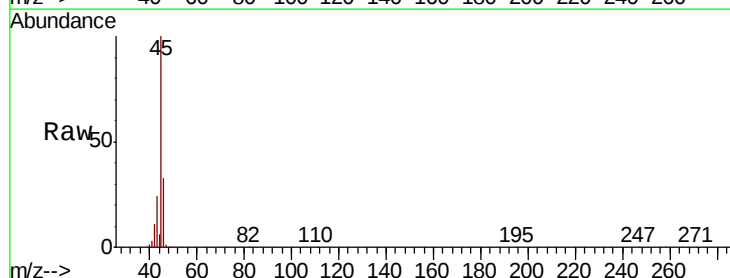
Acq: 22 May 2020 15:24

Tgt Ion: 45 Resp: 438068

Ion Ratio Lower Upper

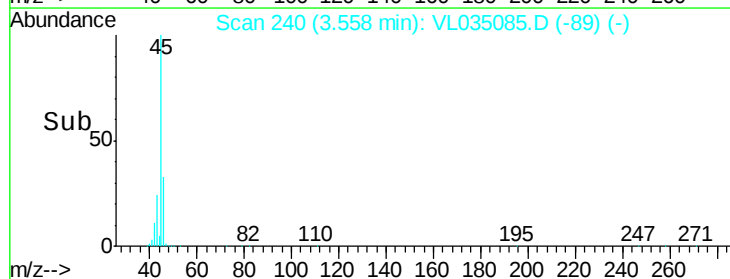
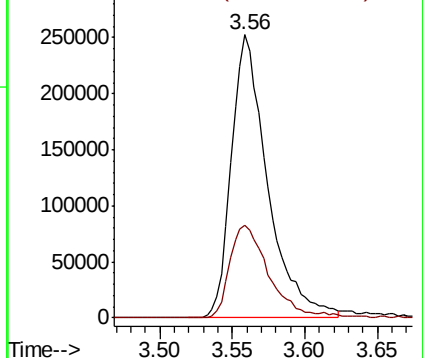
45 100

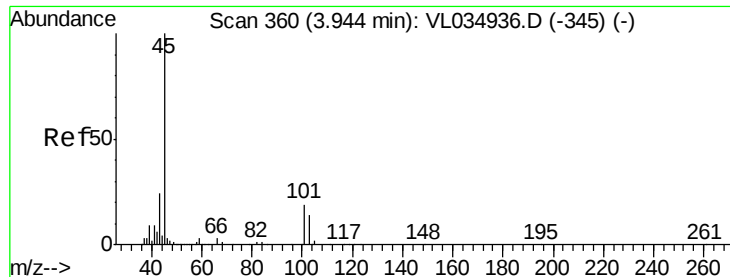
46 36.1 14.3 57.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#19

Isopropyl Alcohol

Concen: 8.868 ppbv

RT: 3.93 min Scan# 355

Delta R.T. -0.02 min

Lab File: VL035085.D

Acq: 22 May 2020 15:24

Instrument :

MSVOA_L

ClientSampleId :

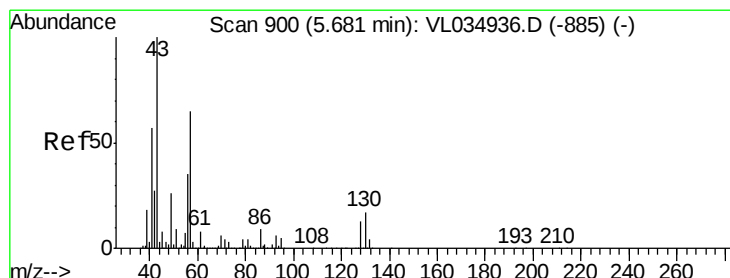
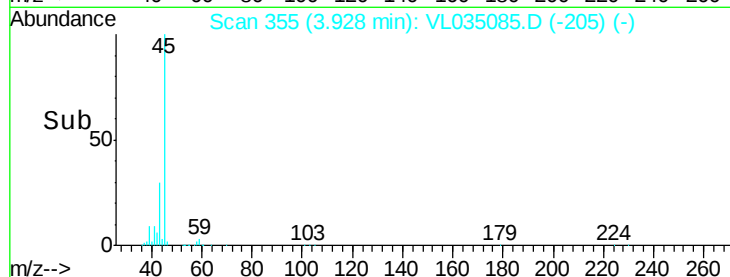
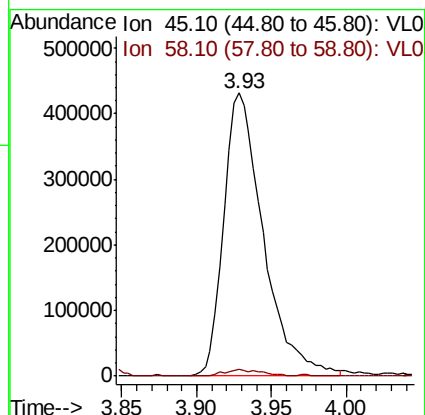
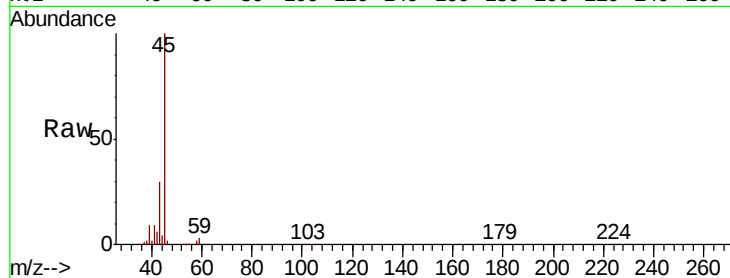
IA-1DL

Tot Ion: 45 Resp: 794293

Ion Ratio Lower Upper

45 100

58 2.7 1.7 2.5#



#26

Hexane

Concen: 1.003 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.02 min

Lab File: VL035085.D

Acq: 22 May 2020 15:24

Tgt Ion: 57 Resp: 98136

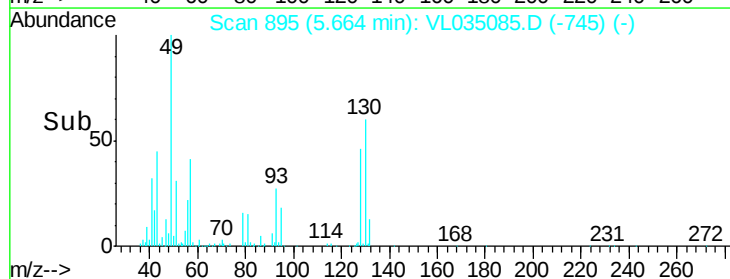
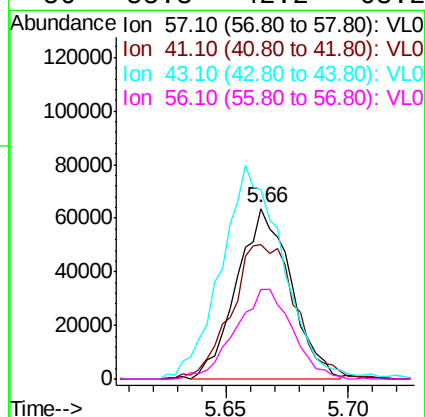
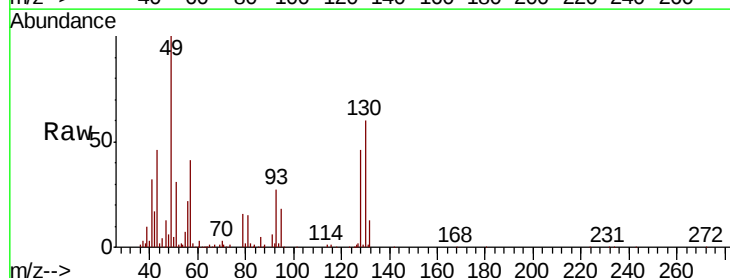
Ion Ratio Lower Upper

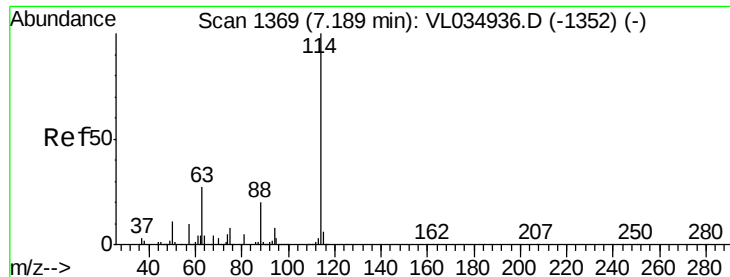
57 100

41 94.8 72.7 109.1

43 144.8 182.1 273.1#

56 55.3 42.2 63.2

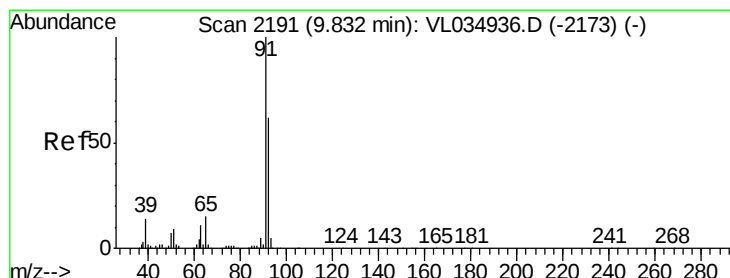
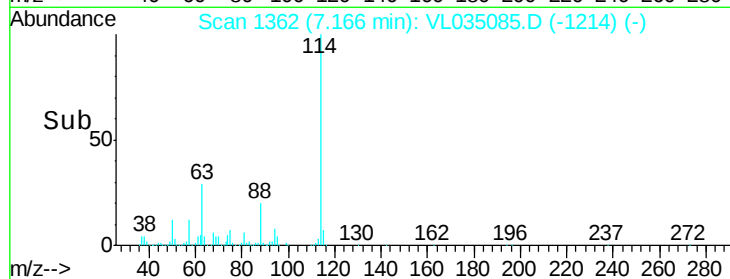
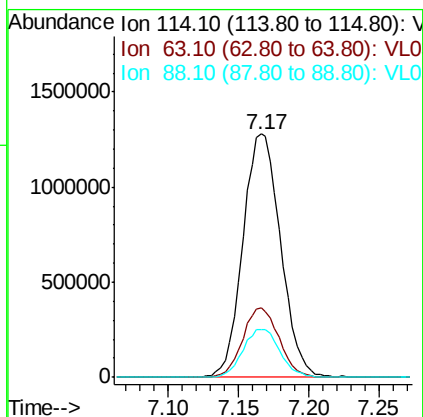
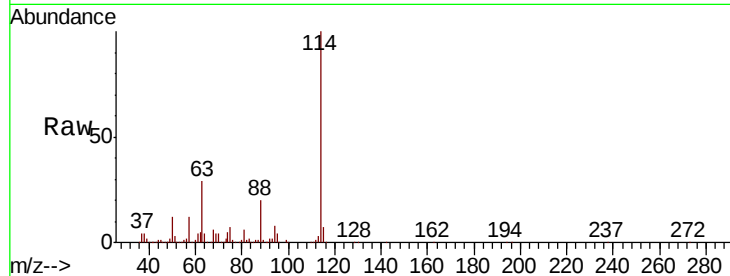




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.02 min
 Lab File: VL035085.D
 Acq: 22 May 2020 15:24

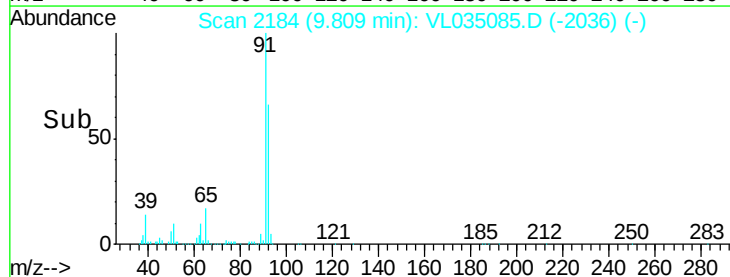
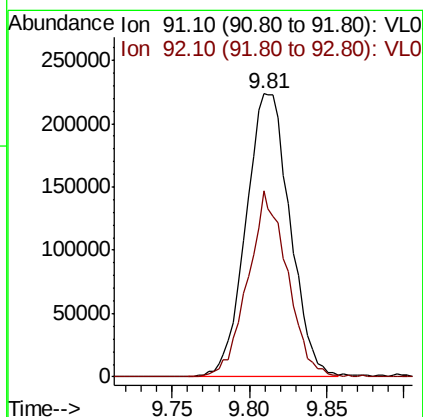
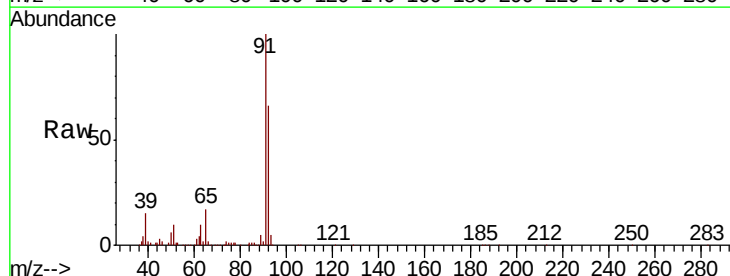
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL

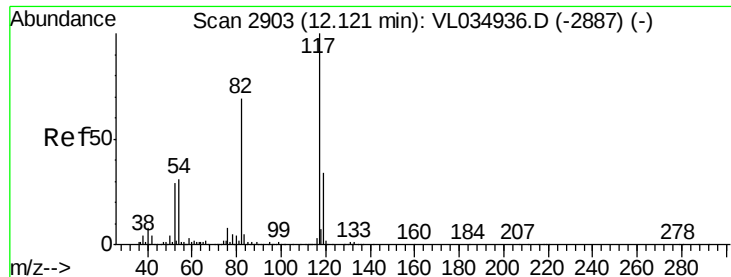
Tot Ion:114 Resp: 2392273
 Ion Ratio Lower Upper
 114 100
 63 27.7 22.2 33.4
 88 19.4 15.5 23.3



#53
 Toluene
 Concen: 2.124 ppbv
 RT: 9.81 min Scan# 2184
 Delta R.T. -0.02 min
 Lab File: VL035085.D
 Acq: 22 May 2020 15:24

Tgt Ion: 91 Resp: 444054
 Ion Ratio Lower Upper
 91 100
 92 59.0 48.6 73.0

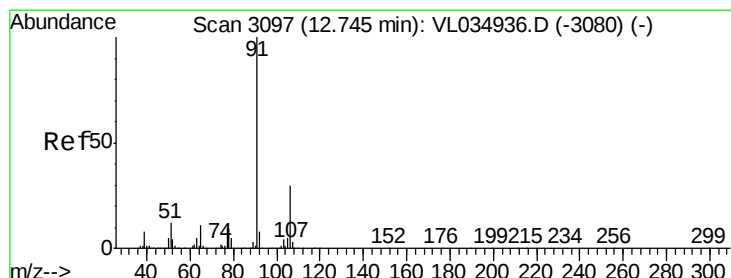
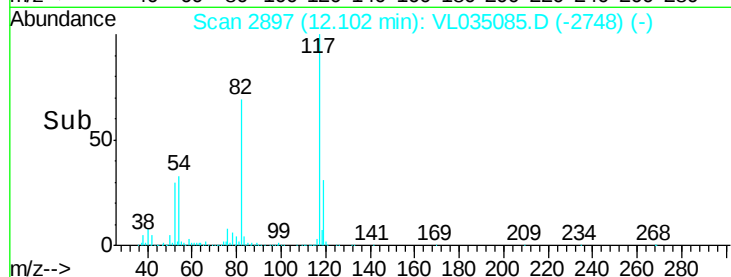
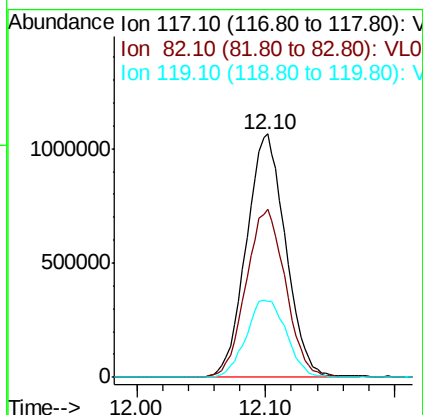
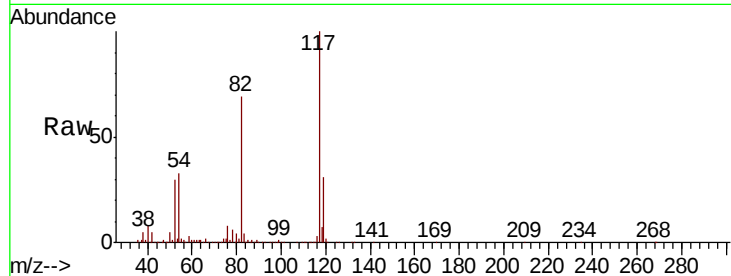




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.02 min
Lab File: VL035085.D
Acq: 22 May 2020 15:24

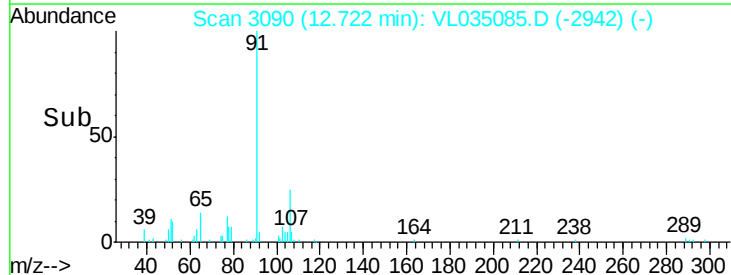
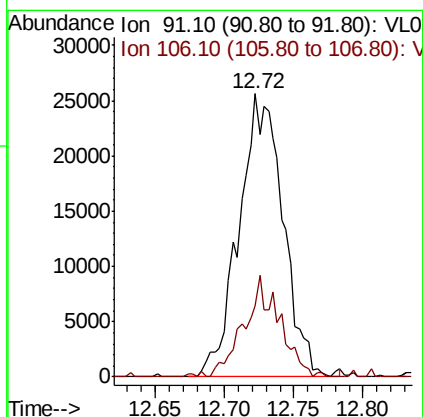
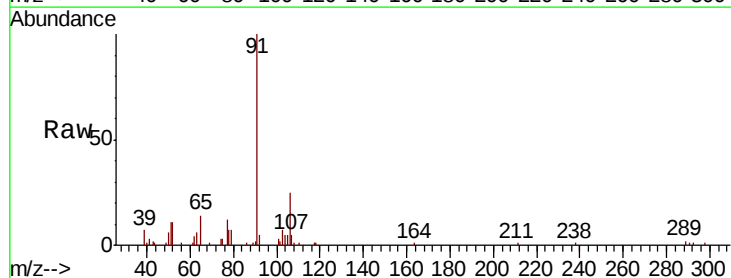
Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

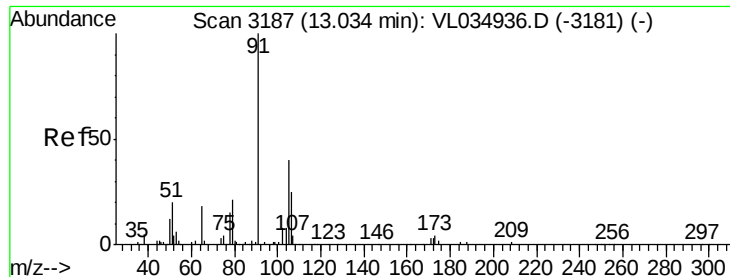
Tot Ion:117 Resp: 2255423
Ion Ratio Lower Upper
117 100
82 69.6 53.1 79.7
119 33.0 26.7 40.1



#58
Ethyl Benzene
Concen: 0.204 ppbv m
RT: 12.72 min Scan# 3090
Delta R.T. -0.02 min
Lab File: VL035085.D
Acq: 22 May 2020 15:24

Tgt Ion: 91 Resp: 56863
Ion Ratio Lower Upper
91 100
106 25.3 24.2 36.4





#59

m/p-Xylene

Concen: 0.328 ppbv m

RT: 13.00 min Scan# 3175

Delta R.T. -0.04 min

Lab File: VL035085.D

Acq: 22 May 2020 15:24

Instrument :

MSVOA_L

ClientSampleId :

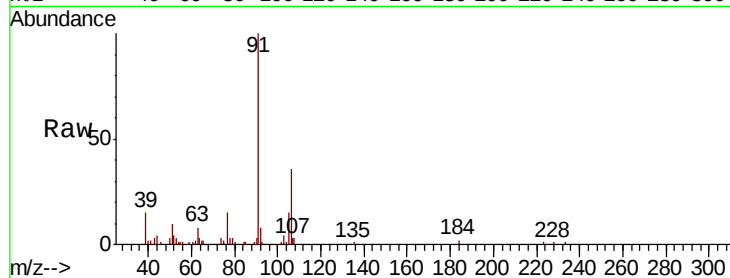
IA-1DL

Tot Ion: 91 Resp: 80366

Ion Ratio Lower Upper

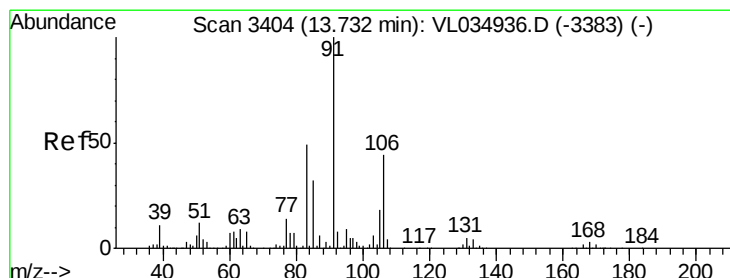
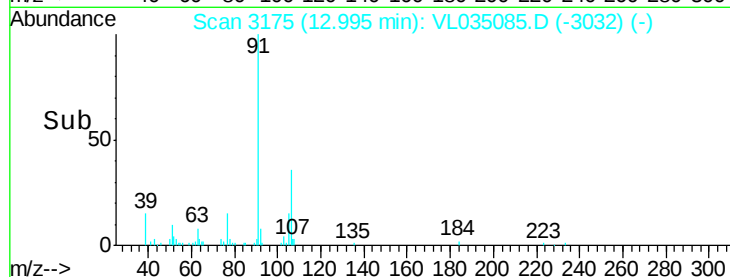
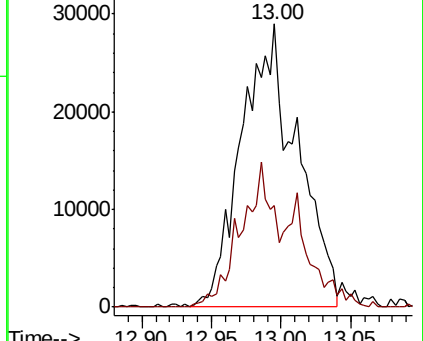
91 100

106 0.0 66.0 99.0#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 0.138 ppbv m

RT: 13.71 min Scan# 3398

Delta R.T. -0.02 min

Lab File: VL035085.D

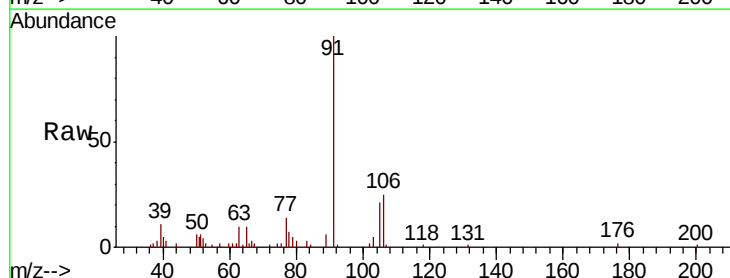
Acq: 22 May 2020 15:24

Tgt Ion: 91 Resp: 33330

Ion Ratio Lower Upper

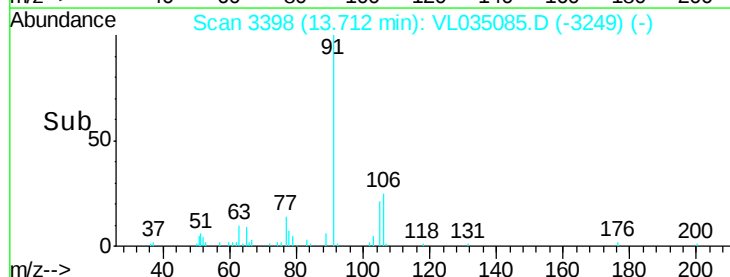
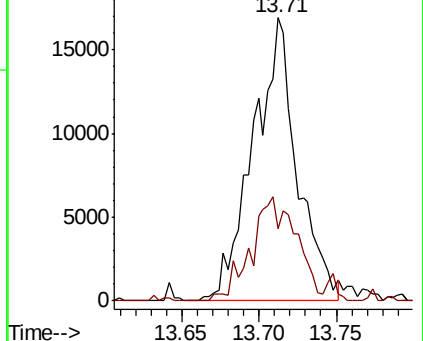
91 100

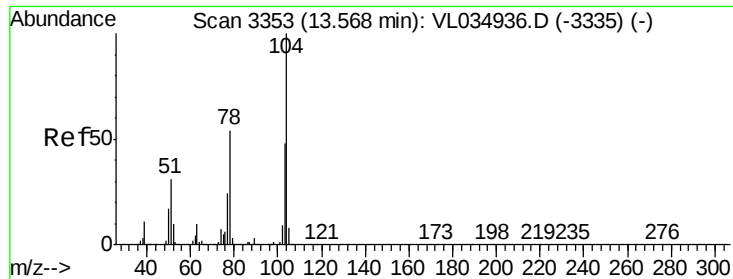
106 40.6 21.9 65.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Stvrene

Concen: 0.204 ppbv m

RT: 13.55 min Scan# 3347

Delta R.T. -0.02 min

Lab File: VL035085.D

Acq: 22 May 2020 15:24

Instrument :

MSVOA_L

ClientSampleId :

IA-1DL

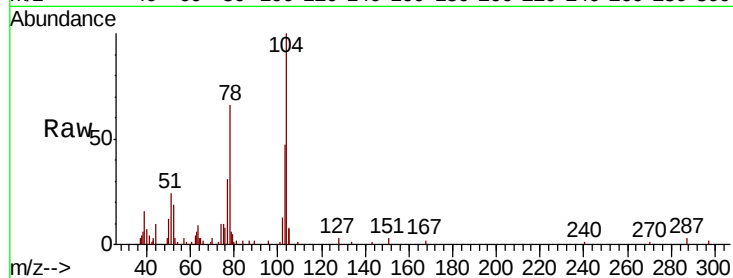
Tot Ion:104 Resp: 31268

Ion Ratio Lower Upper

104 100

78 57.6 43.7 65.5

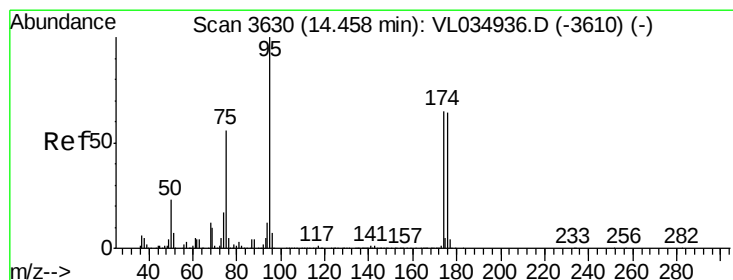
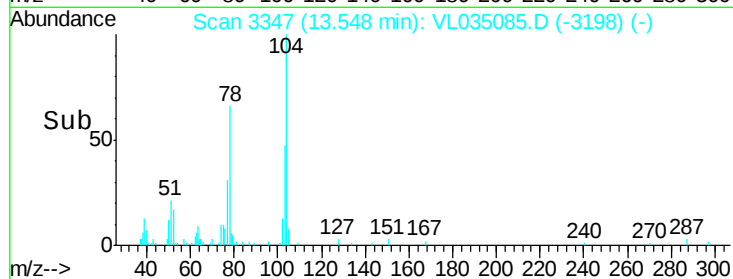
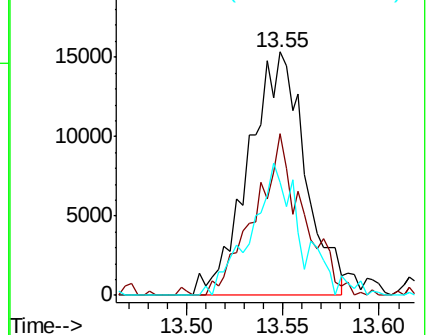
103 49.2 38.8 58.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.503 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. -0.02 min

Lab File: VL035085.D

Acq: 22 May 2020 15:24

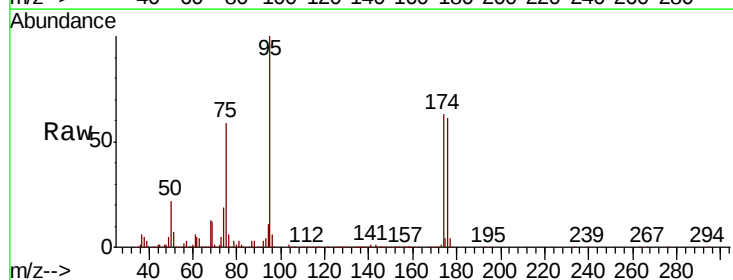
Tgt Ion: 95 Resp: 1917434

Ion Ratio Lower Upper

95 100

174 63.7 51.5 77.3

175 4.7 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

