

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052220\
 Data File : VL035087.D
 Acq On : 22 May 2020 16:43
 Operator : SY/AP
 Sample : L2739-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2DL

Quant Time: May 24 00:39:23 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	1003169	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	2344692	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2234611	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1880091	10.39	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.90%

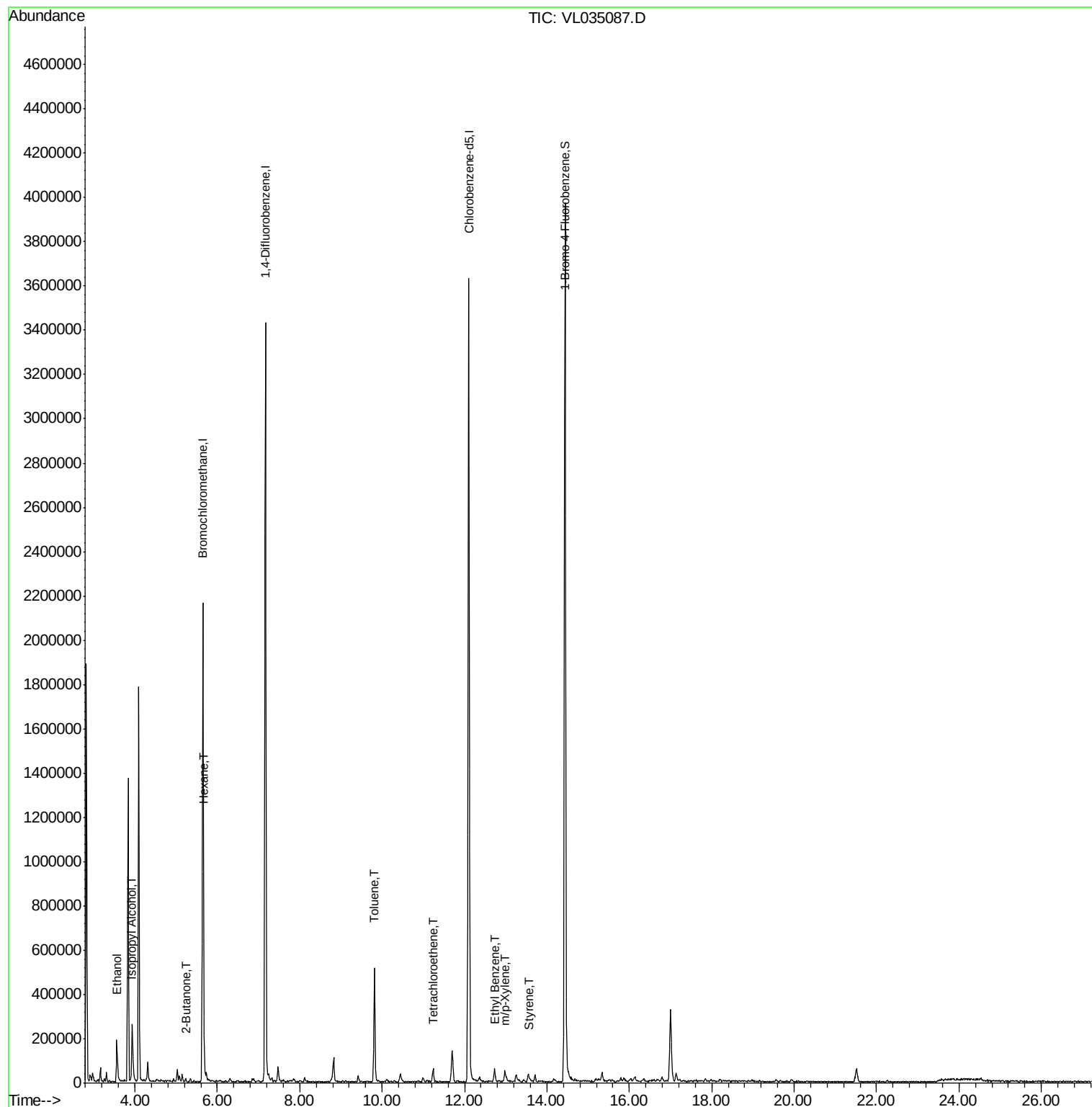
Target Compounds					Ovalue
13) Ethanol	3.56	45	173027	10.550	ppbv 97
19) Isopropyl Alcohol	3.93	45	272439	3.080	ppbv # 96
26) Hexane	5.67	57	27830m	0.288	ppbv
34) 2-Butanone	5.23	43	17434	0.120	ppbv 97
52) Tetrachloroethene	11.24	164	13820m	0.201	ppbv
53) Toluene	9.81	91	385304	1.880	ppbv 96
58) Ethyl Benzene	12.73	91	40804m	0.148	ppbv
59) m/p-Xylene	12.99	91	40449m	0.166	ppbv
61) Styrene	13.55	104	15599m	0.103	ppbv

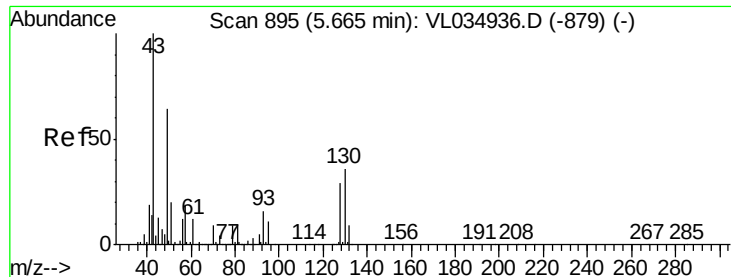
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 06 14:49:39 2020
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.02 min

Lab File: VL035087.D

Acq: 22 May 2020 16:43

Instrument :

MSVOA_L

ClientSampleId :

IA-2DL

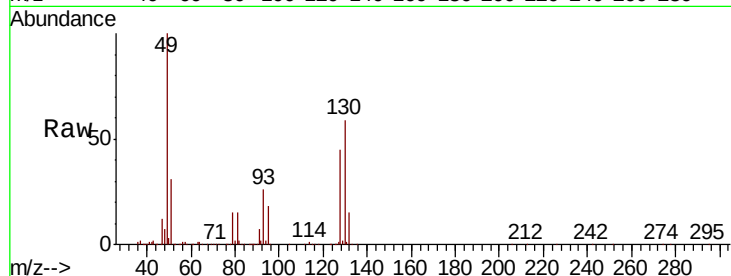
Tot Ion: 49 Resp: 1003169

Ion Ratio Lower Upper

49 100

128 45.9 22.1 66.5

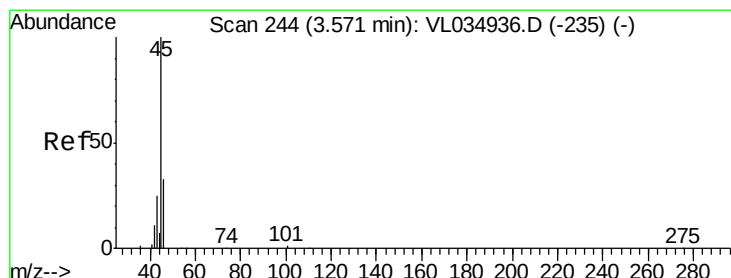
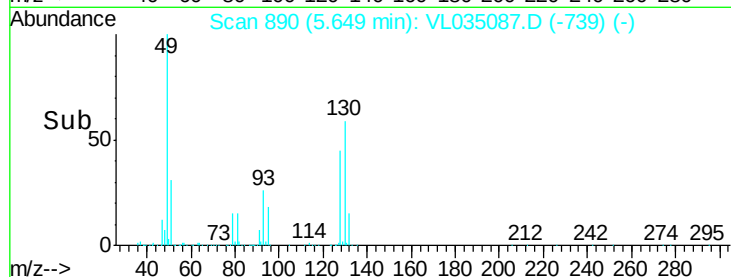
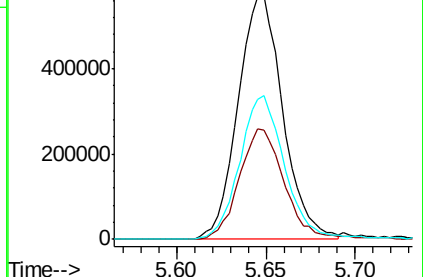
130 59.4 29.1 87.3



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: 10.550 ppbv

RT: 3.56 min Scan# 241

Delta R.T. -0.01 min

Lab File: VL035087.D

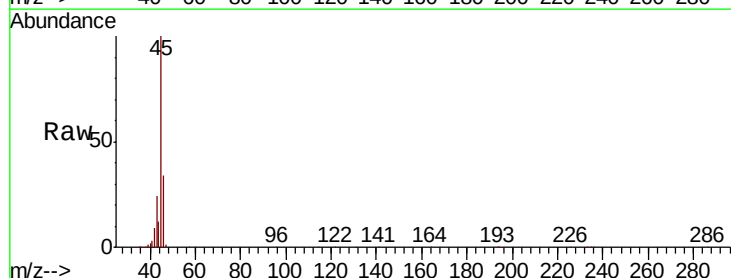
Acq: 22 May 2020 16:43

Tgt Ion: 45 Resp: 173027

Ion Ratio Lower Upper

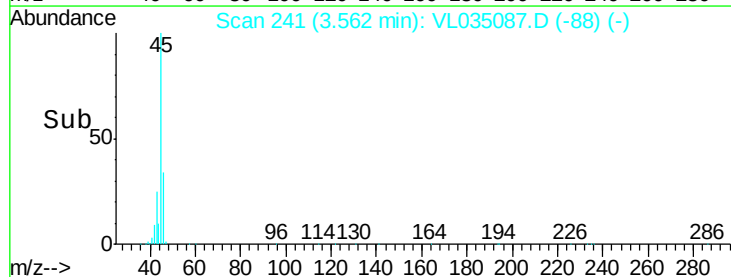
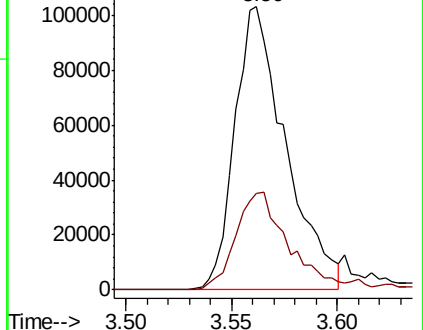
45 100

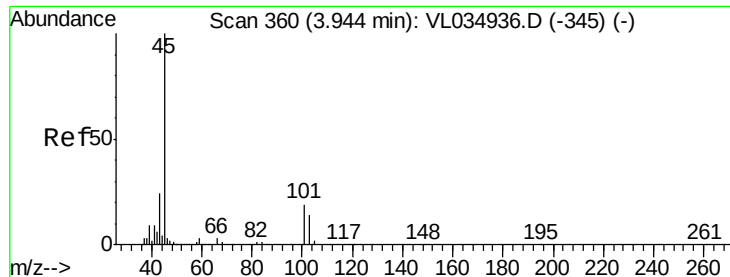
46 37.4 14.3 57.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



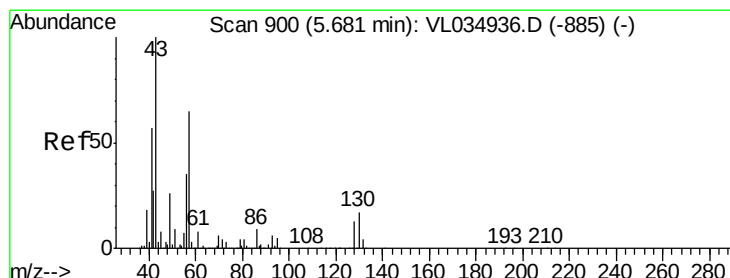
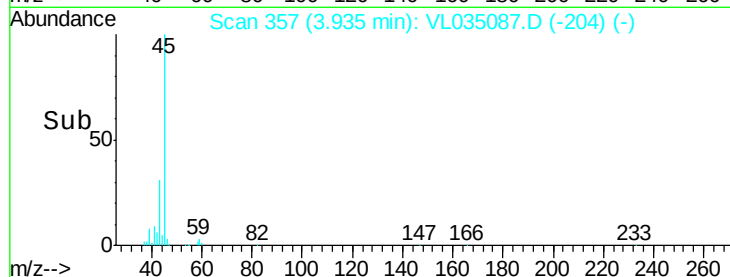
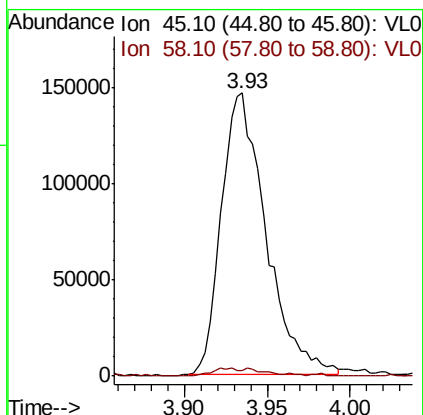
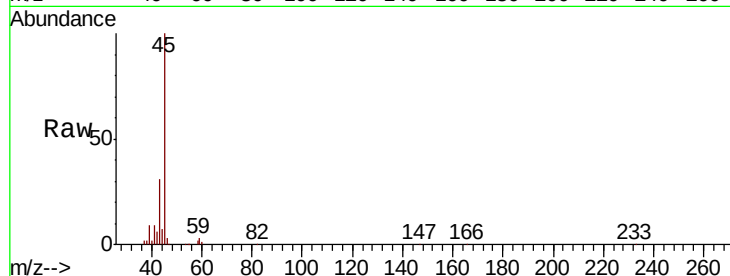


#19

Isopropyl Alcohol
 Concen: 3.080 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. -0.01 min
 Lab File: VL035087.D
 Acq: 22 May 2020 16:43

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2DL

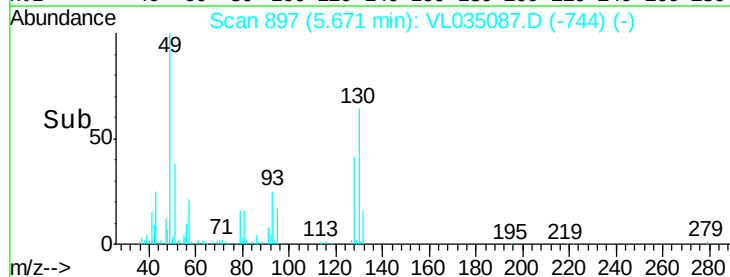
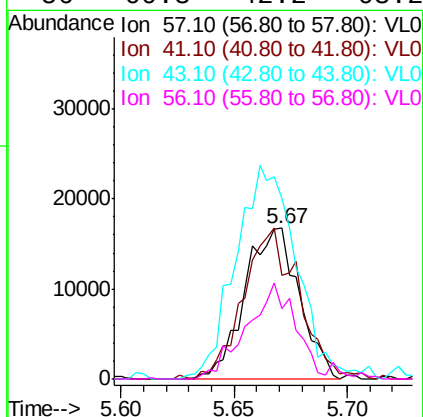
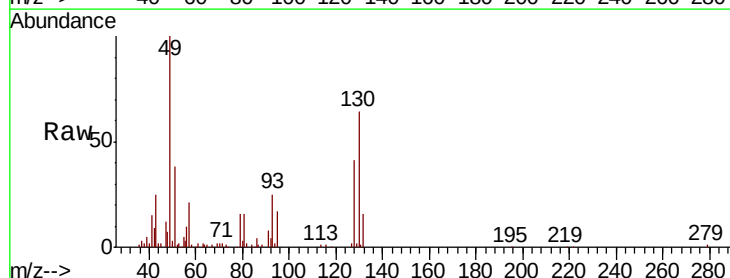
Tot Ion: 45 Resp: 272439
 Ion Ratio Lower Upper
 45 100
 58 3.5 1.7 2.5#

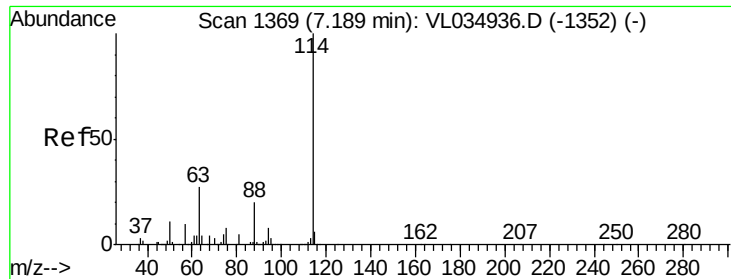


#26

Hexane
 Concen: 0.288 ppbv m
 RT: 5.67 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: VL035087.D
 Acq: 22 May 2020 16:43

Tgt Ion: 57 Resp: 27830
 Ion Ratio Lower Upper
 57 100
 41 105.4 72.7 109.1
 43 0.0 182.1 273.1#
 56 60.3 42.2 63.2



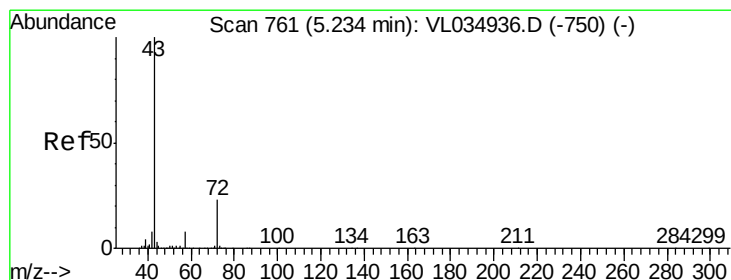
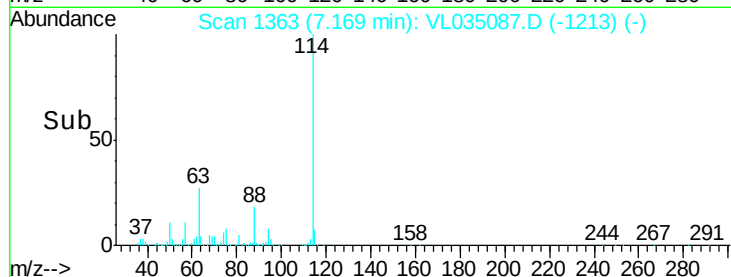
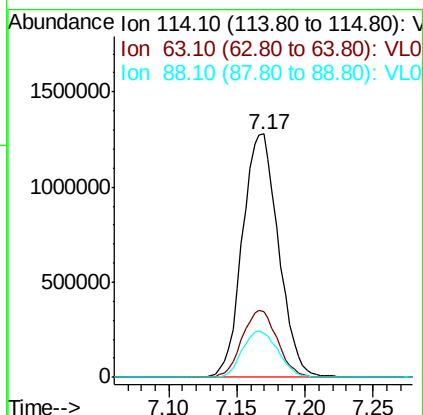
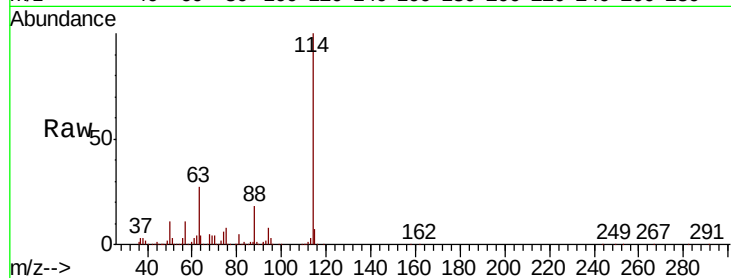


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.02 min
 Lab File: VL035087.D
 Acq: 22 May 2020 16:43

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2DL

Tot Ion:114 Resp: 2344692

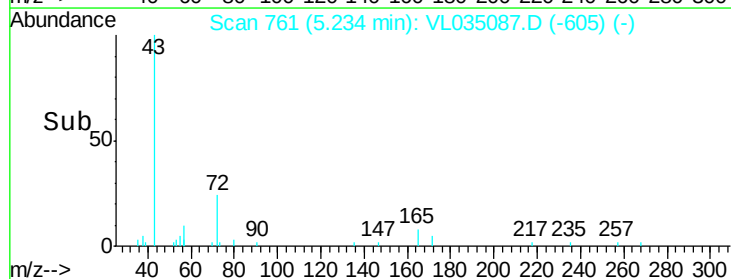
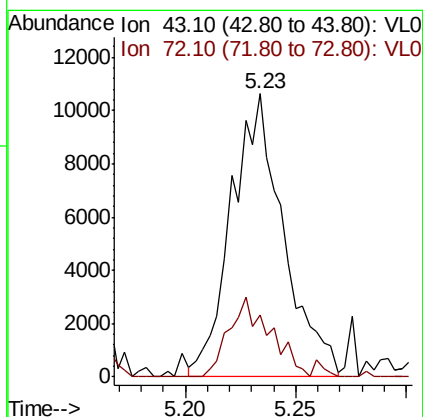
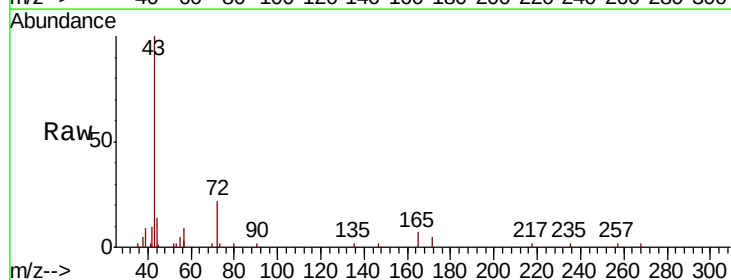
Ion	Ratio	Lower	Upper
114	100		
63	27.3	22.2	33.4
88	19.1	15.5	23.3

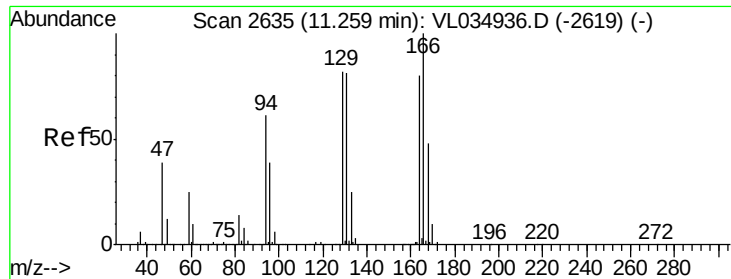


#34
 2-Butanone
 Concen: 0.120 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: VL035087.D
 Acq: 22 May 2020 16:43

Tgt Ion: 43 Resp: 17434

Ion	Ratio	Lower	Upper
43	100		
72	23.8	18.0	27.0





#52

Tetrachloroethene

Concen: 0.201 ppbv m

RT: 11.24 min Scan# 2629

Delta R.T. -0.02 min

Lab File: VL035087.D

Acq: 22 May 2020 16:43

Instrument :

MSVOA_L

ClientSampleId :

IA-2DL

Tot Ion:164 Resp: 13820

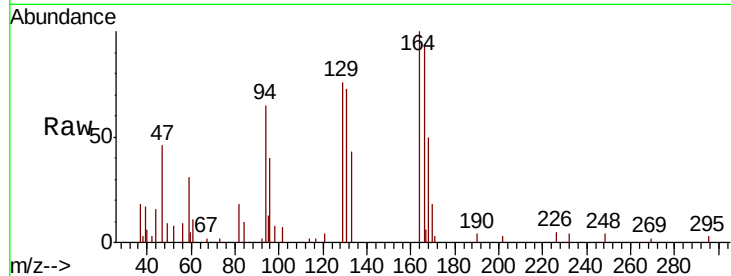
Ion Ratio Lower Upper

164 100

166 94.2 100.7 151.1#

129 76.0 83.0 124.4#

131 72.8 81.0 121.4#

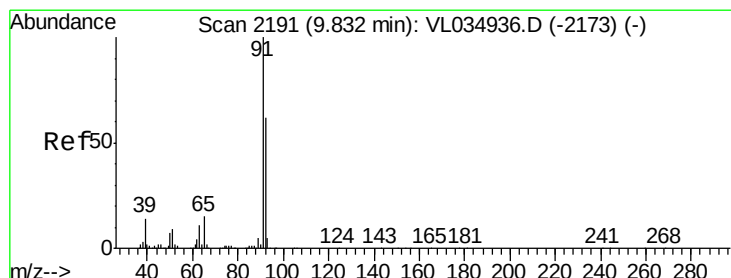
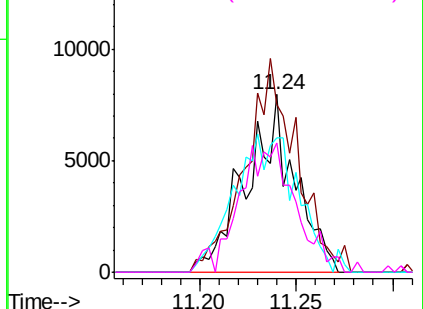
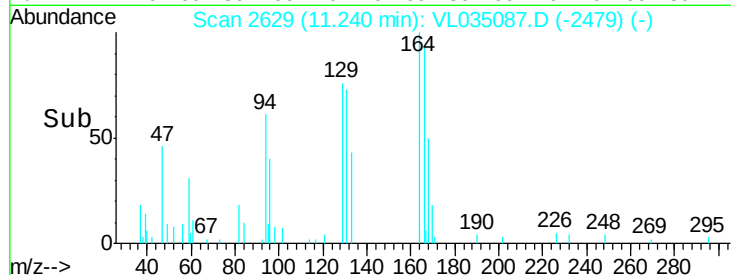


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 1.880 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. -0.02 min

Lab File: VL035087.D

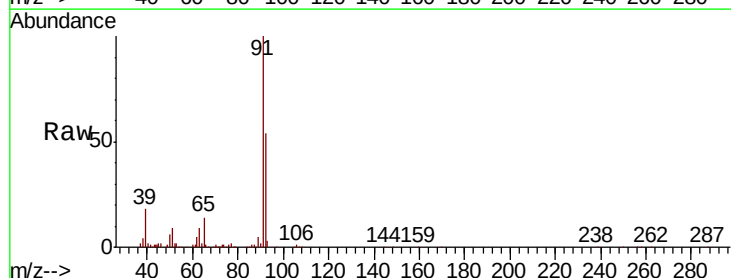
Acq: 22 May 2020 16:43

Tgt Ion: 91 Resp: 385304

Ion Ratio Lower Upper

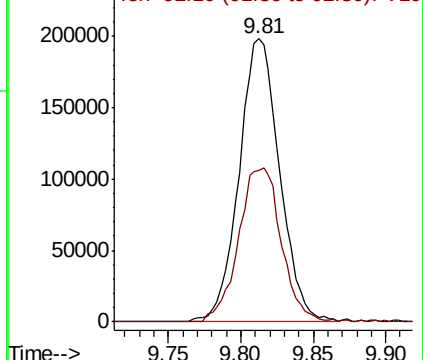
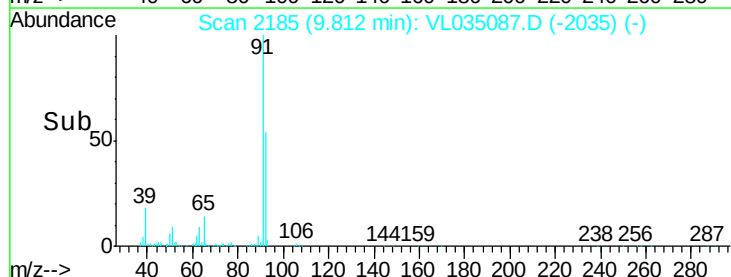
91 100

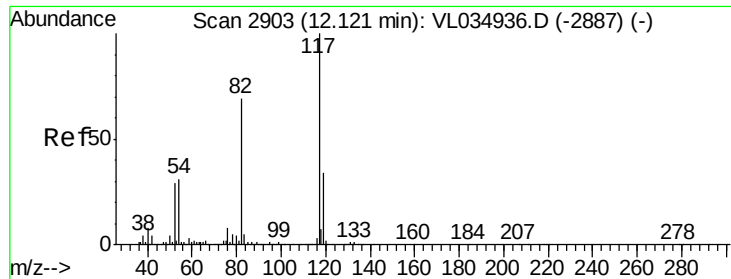
92 57.8 48.6 73.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

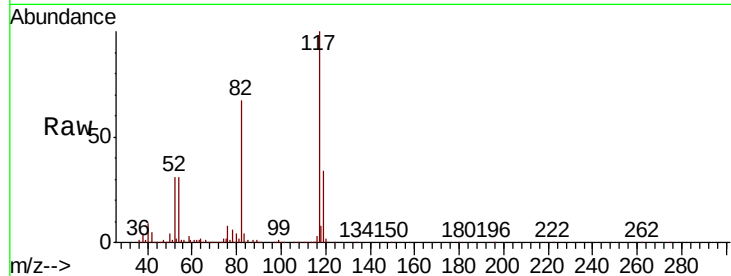




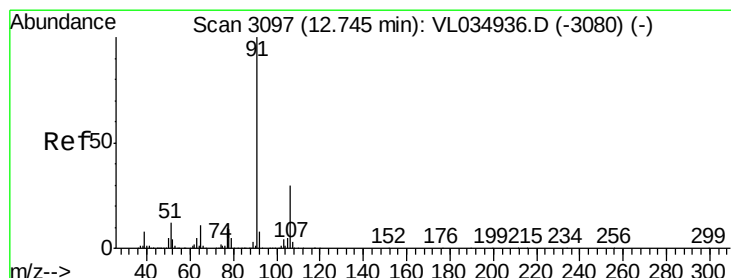
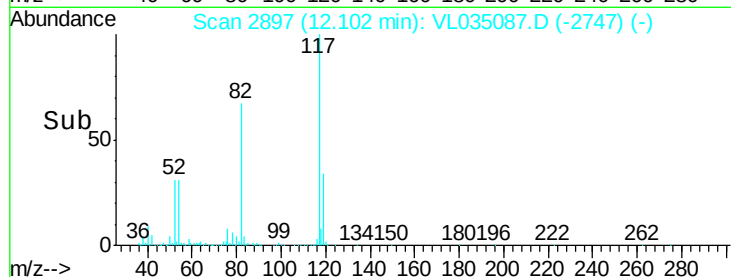
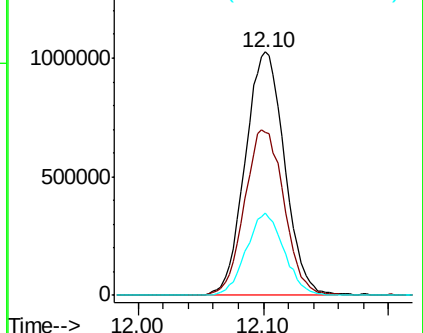
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.02 min
Lab File: VL035087.D
Acq: 22 May 2020 16:43

Instrument :
MSVOA_L
ClientSampleID :
IA-2DL

Tot Ion:117 Resp: 2234611
Ion Ratio Lower Upper
117 100
82 68.6 53.1 79.7
119 32.6 26.7 40.1

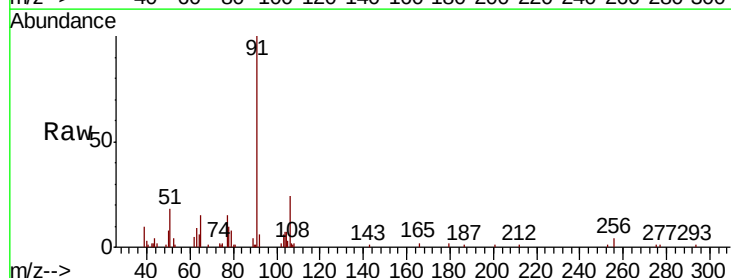


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

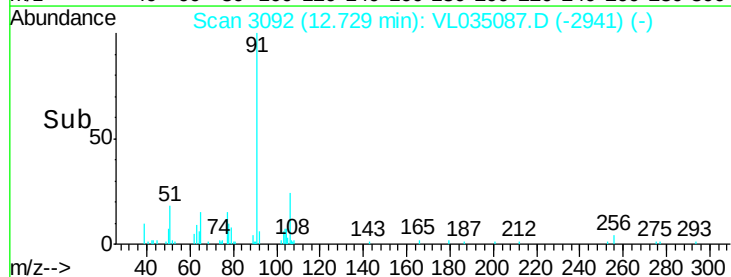
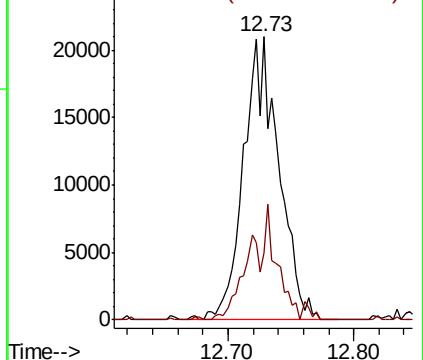


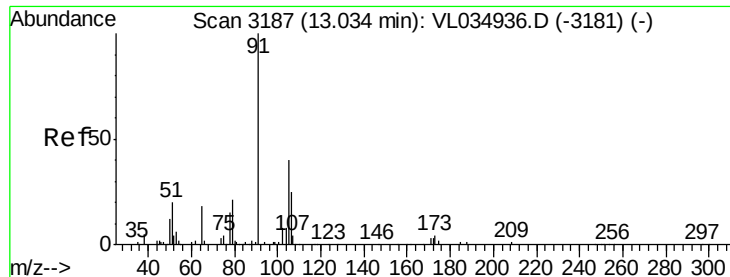
#58
Ethyl Benzene
Concen: 0.148 ppbv m
RT: 12.73 min Scan# 3092
Delta R.T. -0.02 min
Lab File: VL035087.D
Acq: 22 May 2020 16:43

Tgt Ion: 91 Resp: 40804
Ion Ratio Lower Upper
91 100
106 23.6 24.2 36.4#



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 0.166 ppbv m

RT: 12.99 min Scan# 3172

Delta R.T. -0.05 min

Lab File: VL035087.D

Acq: 22 May 2020 16:43

Instrument :

MSVOA_L

ClientSampleId :

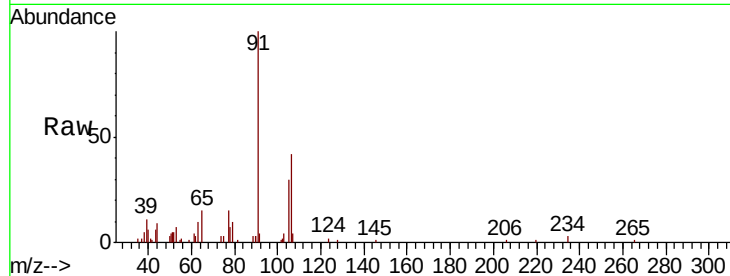
IA-2DL

Tot Ion: 91 Resp: 40449

Ion Ratio Lower Upper

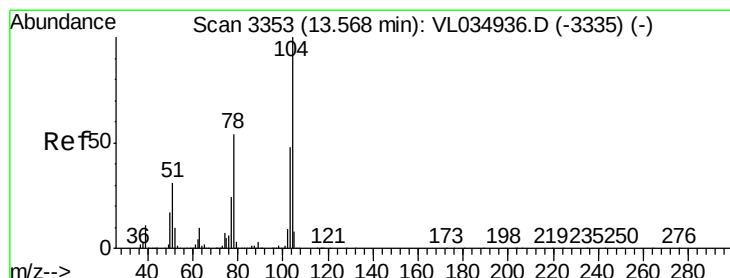
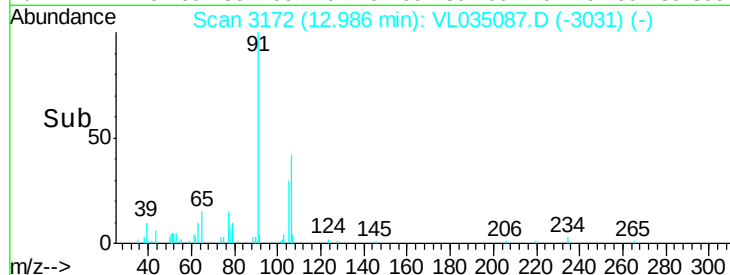
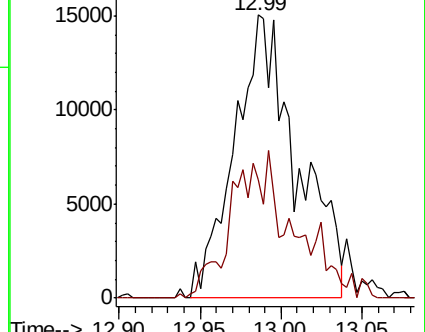
91 100

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



#61

Styrene

Concen: 0.103 ppbv m

RT: 13.55 min Scan# 3347

Delta R.T. -0.02 min

Lab File: VL035087.D

Acq: 22 May 2020 16:43

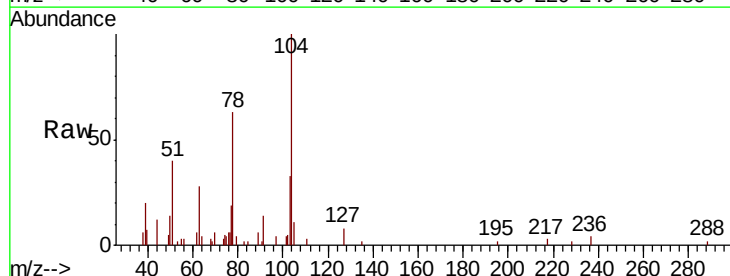
Tgt Ion: 104 Resp: 15599

Ion Ratio Lower Upper

104 100

78 0.0 43.7 65.5#

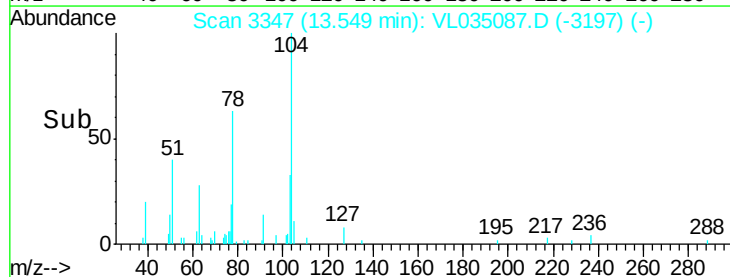
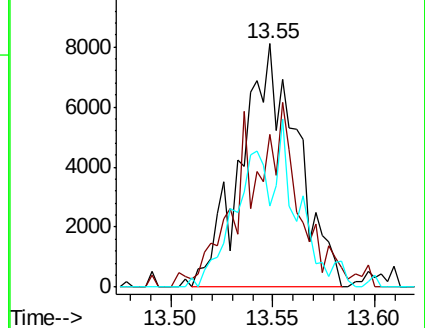
103 0.0 38.8 58.2#

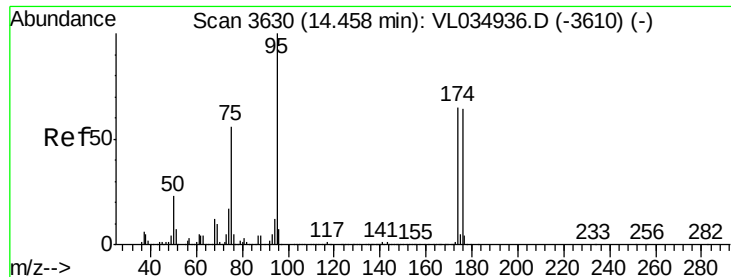


Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.394 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. -0.02 min

Lab File: VL035087.D

Acq: 22 May 2020 16:43

Instrument :

MSVOA_L

ClientSampleId :

IA-2DL

Tot Ion: 95 Resp: 1880091

Ion Ratio Lower Upper

95 100

174 65.4 51.5 77.3

175 4.7 3.8 5.8

