

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101220\
 Data File : VL035770.D
 Acq On : 12 Oct 2020 20:33
 Operator : SY/AP
 Sample : L4347-05DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 5DL

Manual Integrations
 APPROVED

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 10/14/2020 2:11:52 PM

Quant Time: Oct 13 23:17:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1157804	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.18	114	4844226	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	4732448	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	3498208	9.86	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	187216	4.140	ppbv	94
13) Ethanol	3.61	45	13329	1.195	ppbv	94
15) Acetone	3.84	43	1413355	11.345	ppbv	91
34) 2-Butanone	5.25	43	219198	1.368	ppbv	93
36) Benzene	6.89	78	56718	0.180	ppbv	94
51) 2-Hexanone	10.16	43	53436	0.283	ppbv #	99
53) Toluene	9.81	91	325529	0.875	ppbv	97
59) m/p-Xylene	12.97	91	79640m	0.192	ppbv	

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

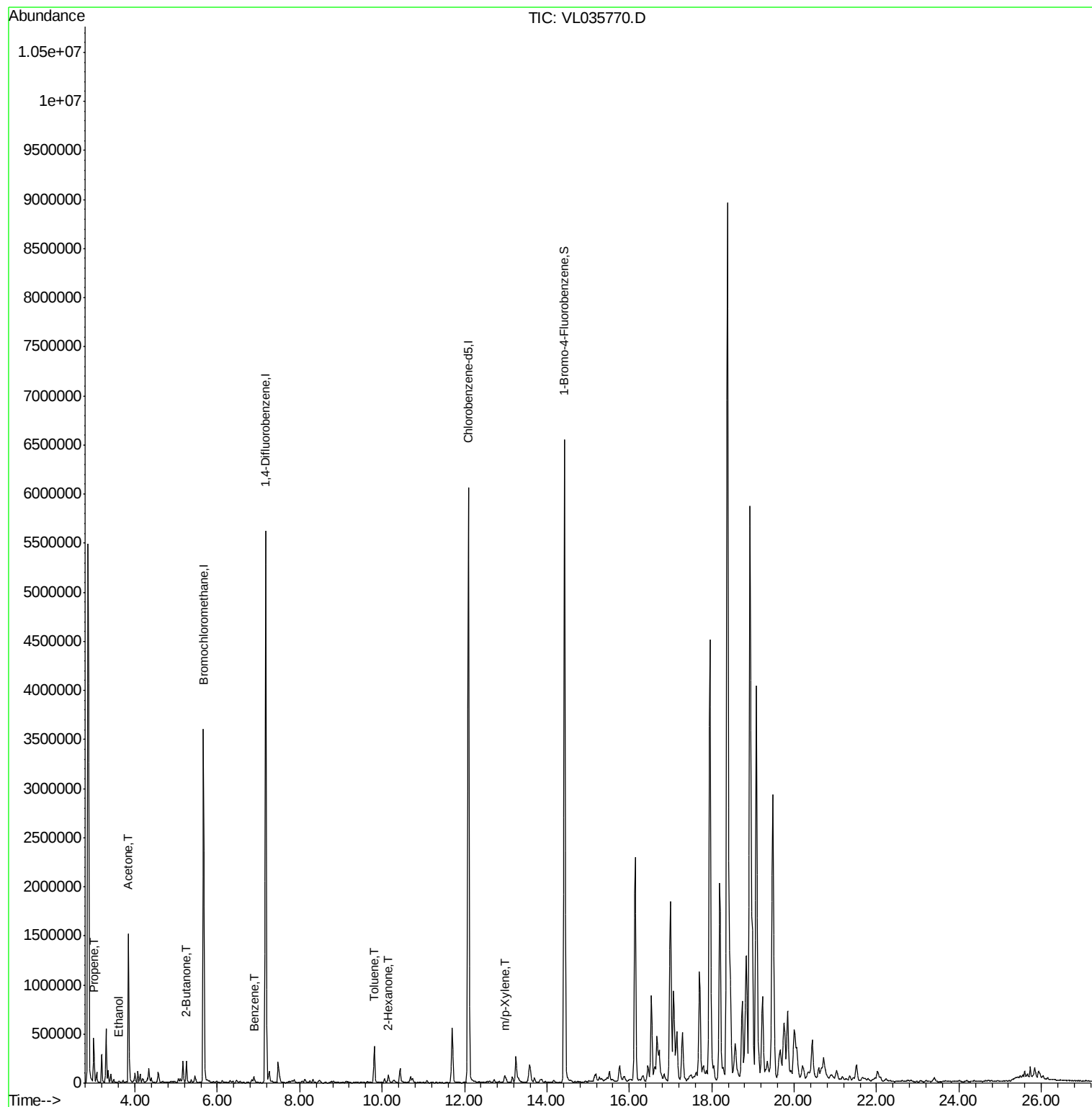
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL101220\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
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QLast Update : Wed Sep 23 07:38:05 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.02 min

Lab File: VL035770.D

Acq: 12 Oct 2020 20:33

Instrument :

MSVOA_L

ClientSampleId :

5DL

Tot Ion: 49 Resp: 1157804

Ion Ratio Lower Upper

49 100

128 90.2 43.1 129.4

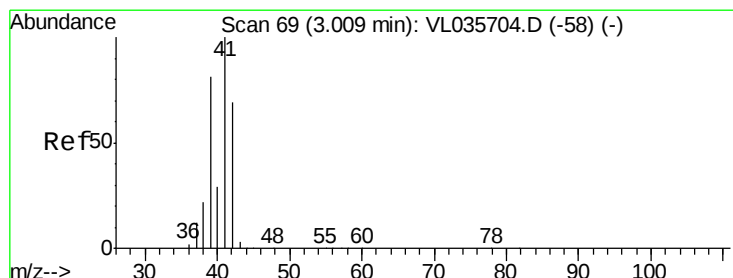
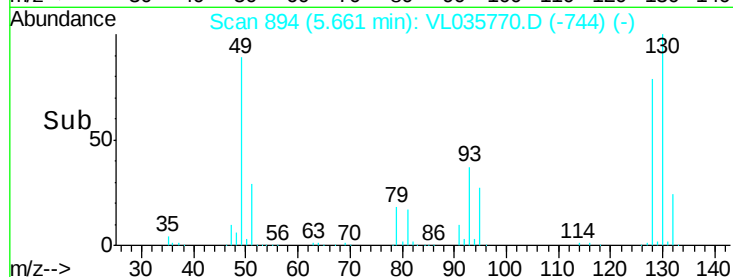
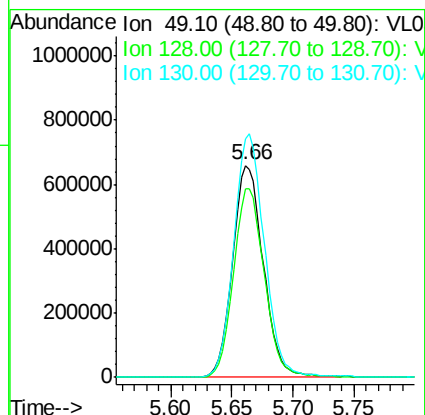
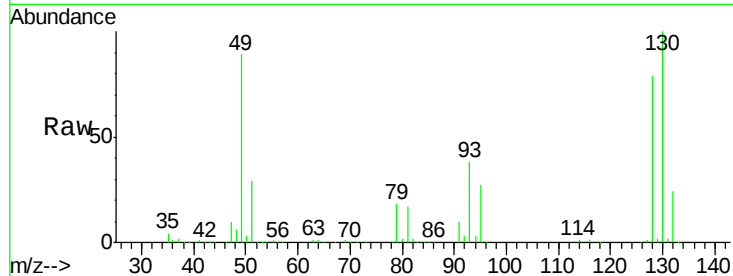
130 115.1 54.9 164.7

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#9

Propene

Concen: 4.140 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL035770.D

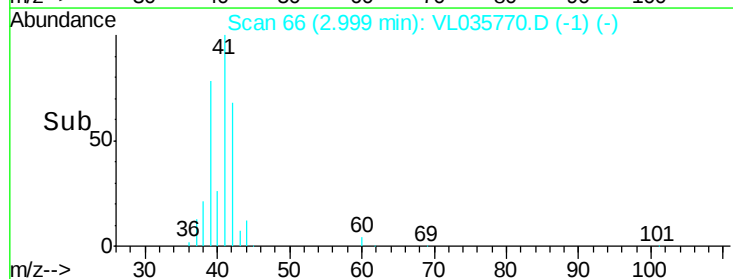
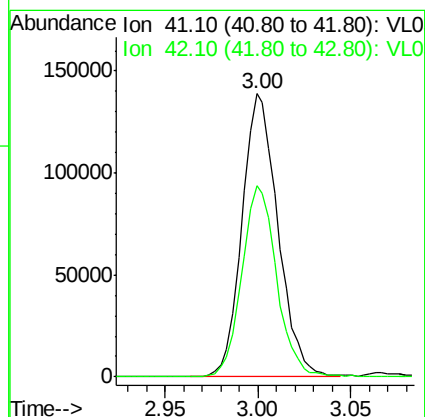
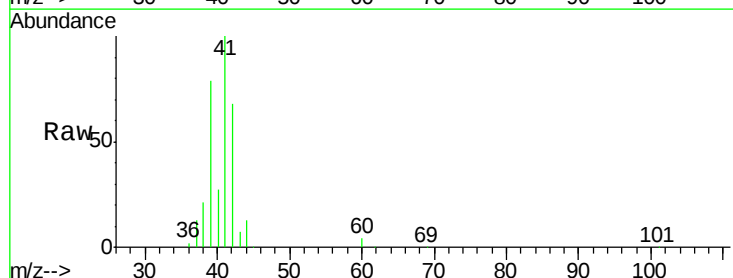
Acq: 12 Oct 2020 20:33

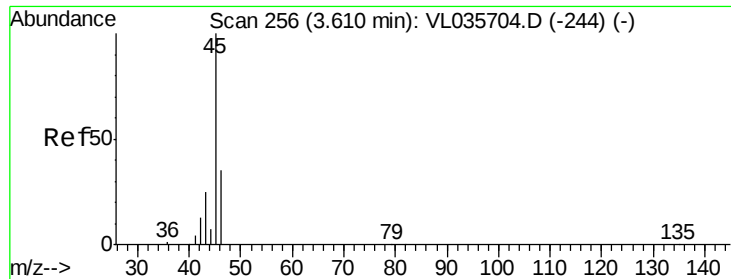
Tgt Ion: 41 Resp: 187216

Ion Ratio Lower Upper

41 100

42 65.7 56.2 84.4





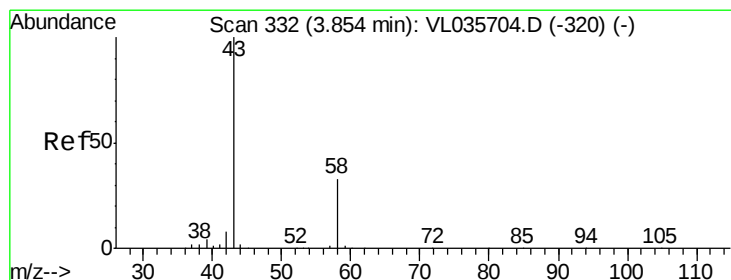
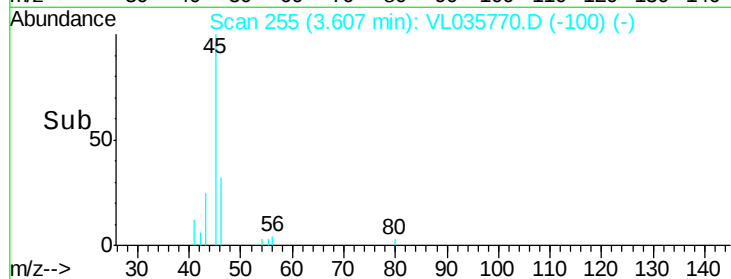
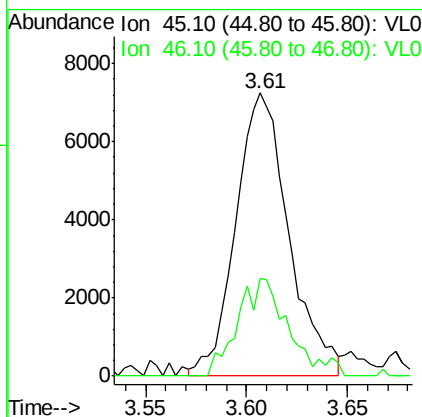
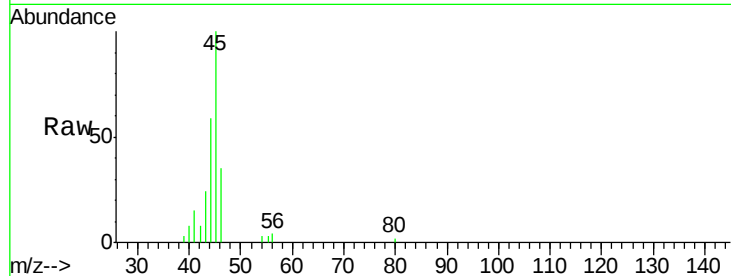
#13
Ethanol
Concen: 1.195 ppbv
RT: 3.61 min Scan# 255
Delta R.T. -0.00 min
Lab File: VL035770.D
Acq: 12 Oct 2020 20:33

Instrument :
MSVOA_L
ClientSampleId :
5DL

Tot Ion	45	46	Ratio	Lower	Upper
13329	100	33.2		14.7	58.7

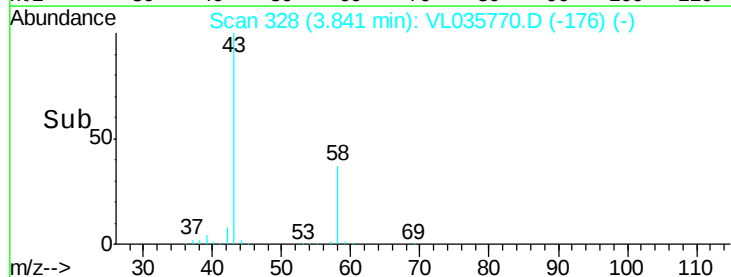
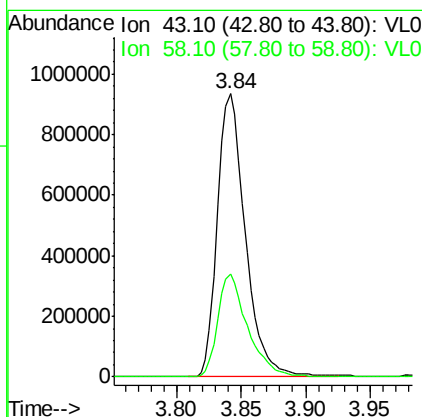
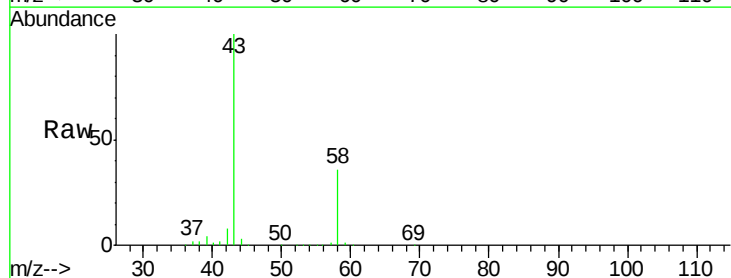
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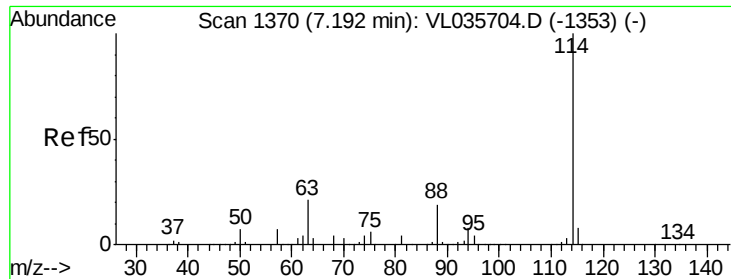
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#15
Acetone
Concen: 11.345 ppbv
RT: 3.84 min Scan# 328
Delta R.T. -0.01 min
Lab File: VL035770.D
Acq: 12 Oct 2020 20:33

Tgt Ion	43	58	Ratio	Lower	Upper
1413355	100	39.1		27.3	40.9





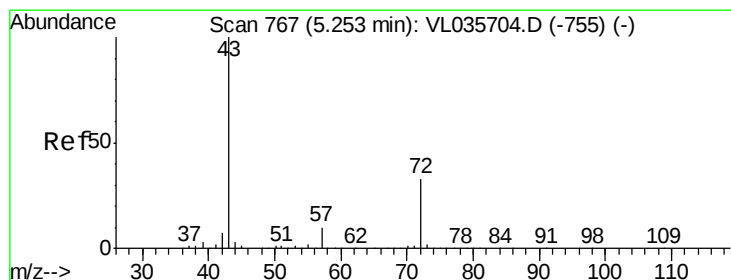
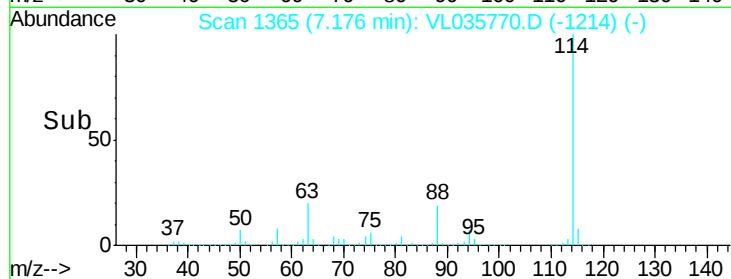
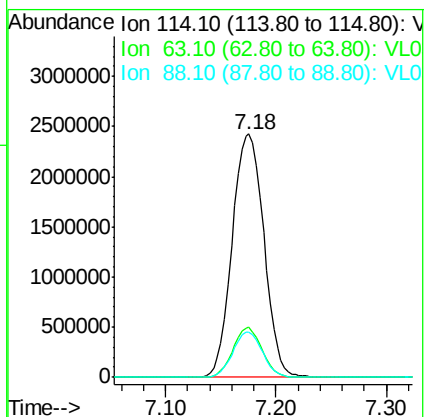
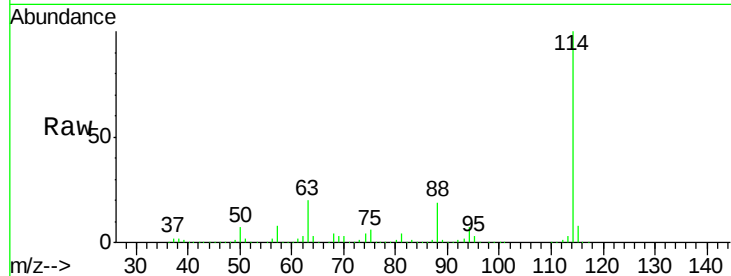
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.02 min
 Lab File: VL035770.D
 Acq: 12 Oct 2020 20:33

Instrument :
 MSVOA_L
 ClientSampleId :
 5DL

Tot Ion:114 Resp: 4844226
 Ion Ratio Lower Upper
 114 100
 63 18.9 16.1 24.1
 88 17.4 14.1 21.1

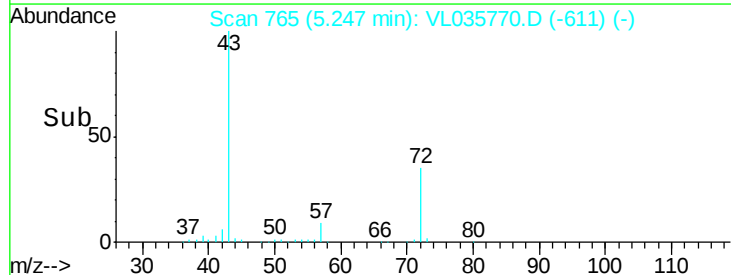
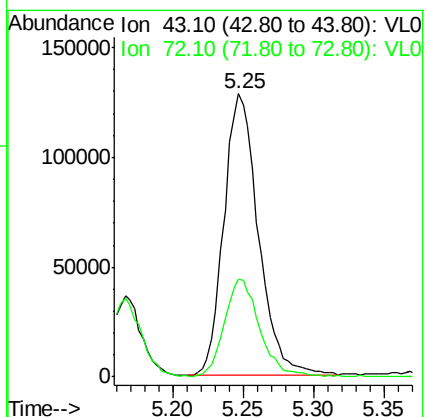
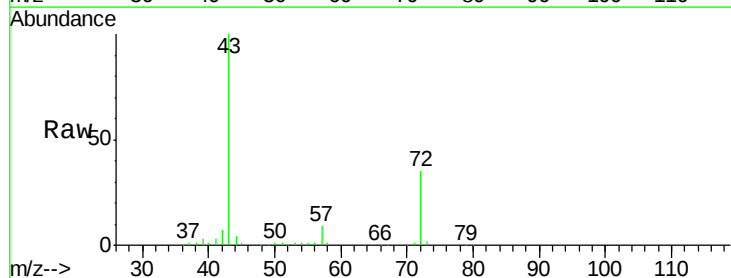
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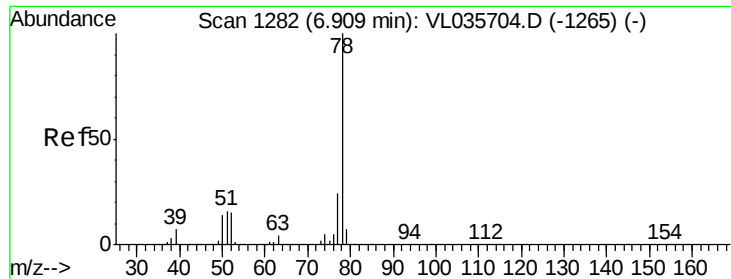
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#34
 2-Butanone
 Concen: 1.368 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. -0.01 min
 Lab File: VL035770.D
 Acq: 12 Oct 2020 20:33

Tgt Ion: 43 Resp: 219198
 Ion Ratio Lower Upper
 43 100
 72 36.3 26.1 39.1





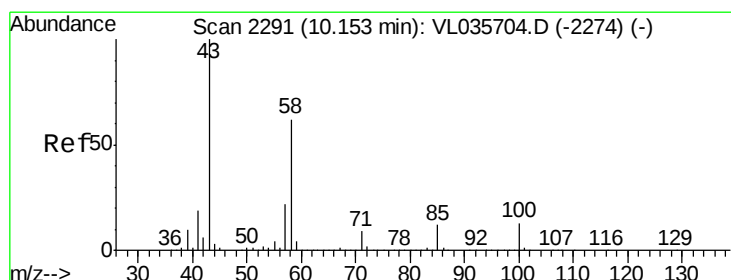
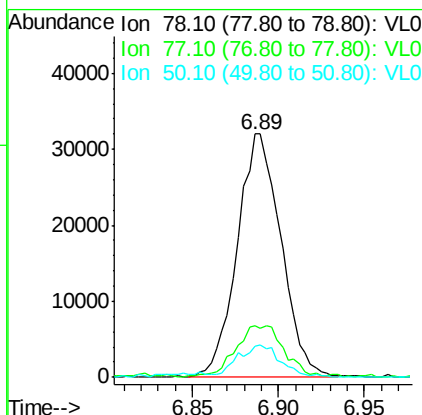
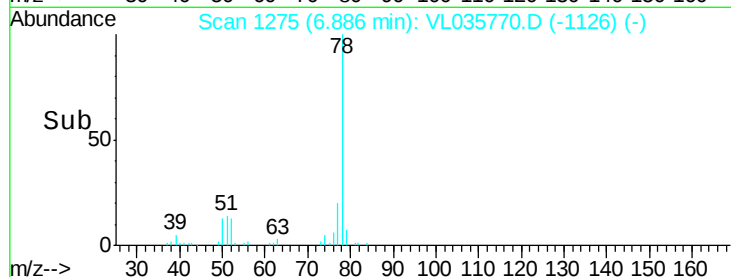
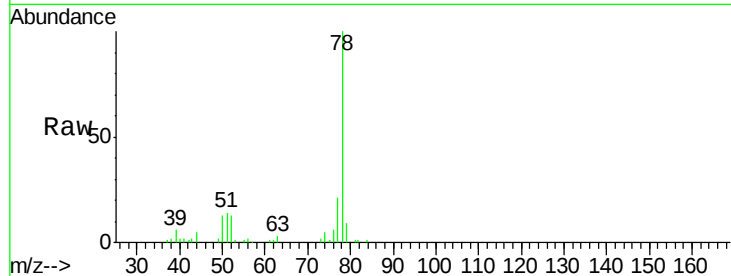
#36
Benzene
Concen: 0.180 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. -0.02 min
Lab File: VL035770.D
Acq: 12 Oct 2020 20:33

Instrument :
MSVOA_L
ClientSampleId :
5DL

Tot Ion	Ratio	Lower	Upper
78	100		
77	20.6	19.3	28.9
50	12.9	11.6	17.4

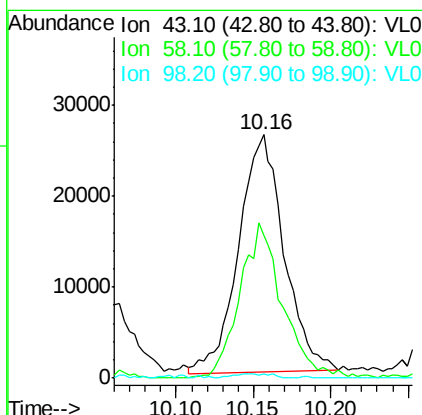
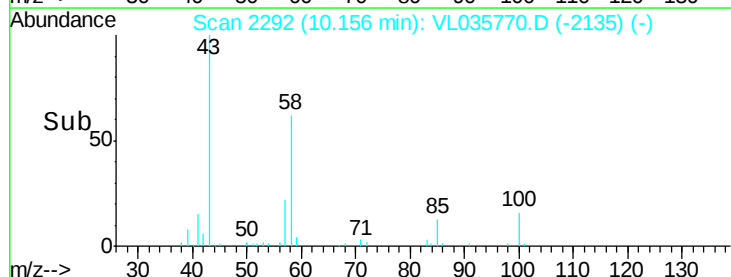
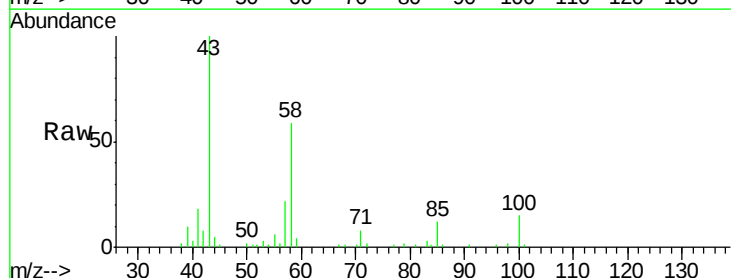
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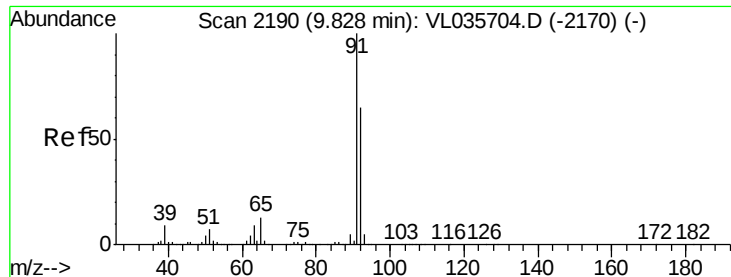
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#51
2-Hexanone
Concen: 0.283 ppbv
RT: 10.16 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VL035770.D
Acq: 12 Oct 2020 20:33

Tgt Ion	Ratio	Lower	Upper
43	100		
58	61.7	48.7	73.1
98	1.6	0.7	1.1#





#53

Toluene

Concen: 0.875 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. -0.02 min

Lab File: VL035770.D

Acq: 12 Oct 2020 20:33

Instrument :

MSVOA_L

ClientSampleId :

5DL

Tot Ion: 91 Resp: 325529

Ion Ratio Lower Upper

91 100

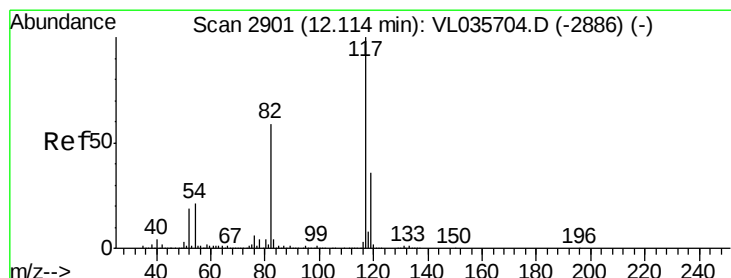
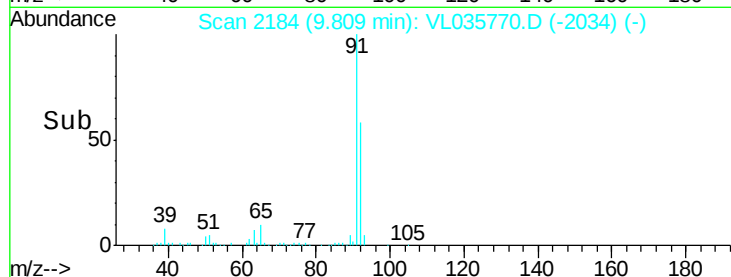
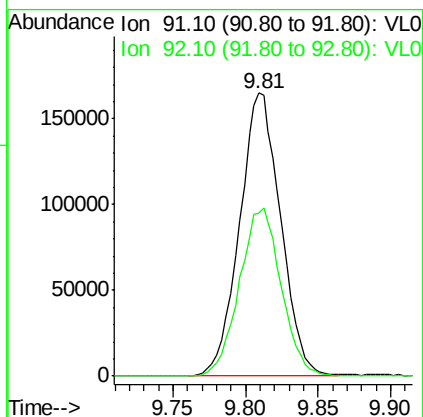
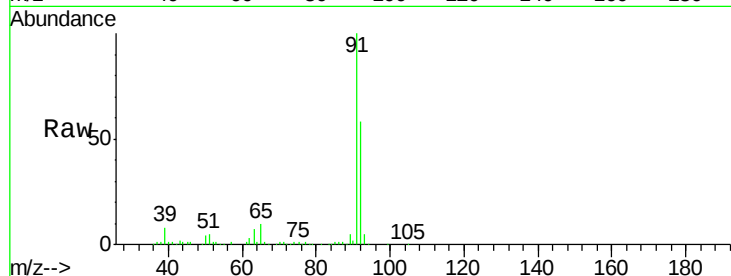
92 60.6 50.0 75.0

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2895

Delta R.T. -0.02 min

Lab File: VL035770.D

Acq: 12 Oct 2020 20:33

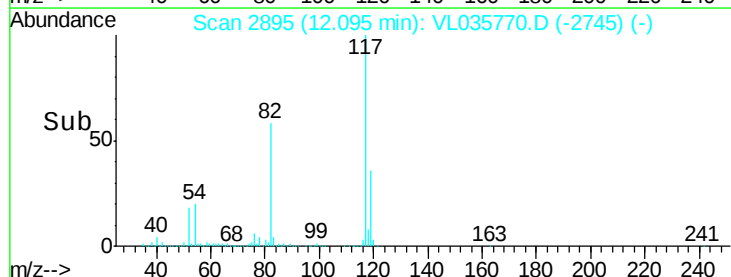
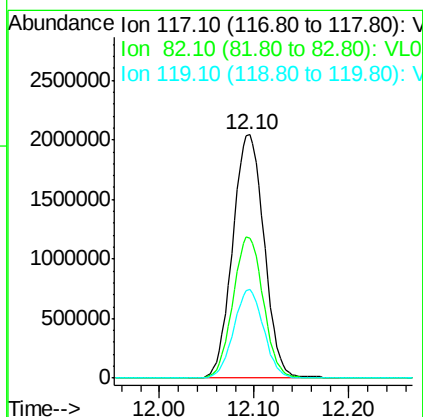
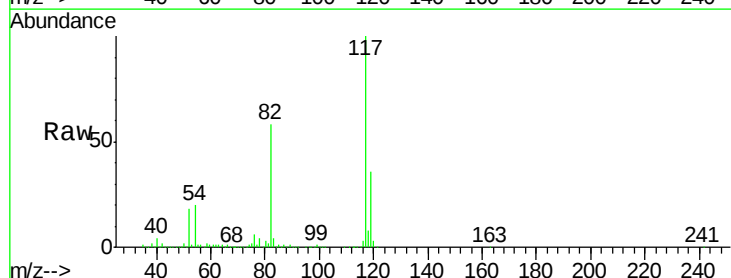
Tgt Ion: 117 Resp: 4732448

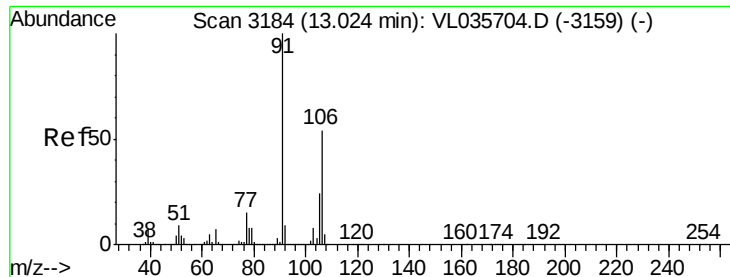
Ion Ratio Lower Upper

117 100

82 56.3 46.1 69.1

119 34.8 28.0 42.0





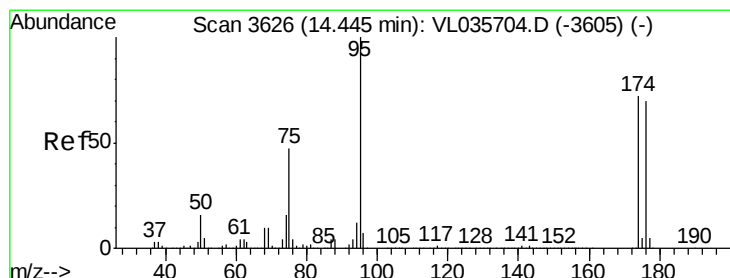
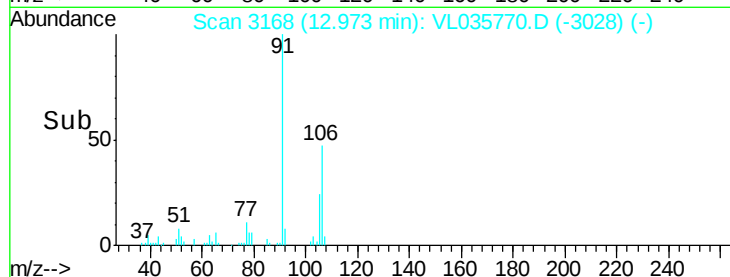
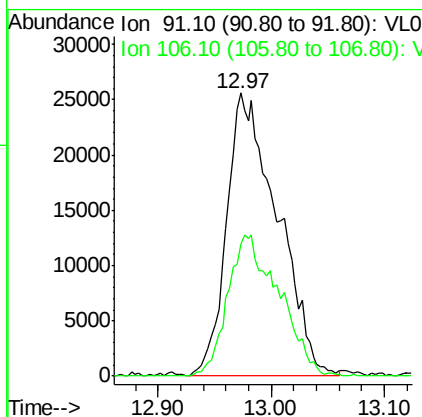
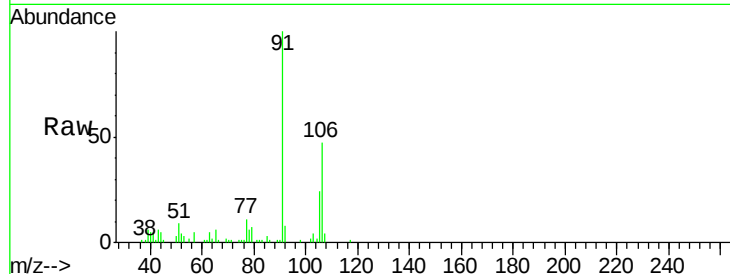
#59
m/p-Xylene
Concen: 0.192 ppbv m
RT: 12.97 min Scan# 3168
Delta R.T. -0.05 min
Lab File: VL035770.D
Acq: 12 Oct 2020 20:33

Instrument :
MSVOA_L
ClientSampled :
5DL

Tot Ion: 91 Resp: 79640
Ion Ratio Lower Upper
91 100
106 0.0 41.4 62.0#

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.865 ppbv
RT: 14.43 min Scan# 3620
Delta R.T. -0.02 min
Lab File: VL035770.D
Acq: 12 Oct 2020 20:33

Tgt Ion: 95 Resp: 3498208
Ion Ratio Lower Upper
95 100
174 73.9 59.6 89.4
175 5.4 4.2 6.4

