

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050720\
 Data File : VL034971.D
 Acq On : 7 May 2020 17:10
 Operator : SY/AP
 Sample : L2524-04DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSRG1DL

Manual Integrations
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Quant Time: May 08 15:20:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 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	5.67	49	1066100	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2459206	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2302738	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1941298	10.42	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.58	45	81690	4.687	ppbv	99
15) Acetone	3.84	43	151477	1.075	ppbv	95
19) Isopropyl Alcohol	3.96	45	39889m	0.424	ppbv	
36) Benzene	6.90	78	24776	0.122	ppbv #	88
53) Toluene	9.83	91	514861	2.395	ppbv	100
58) Ethyl Benzene	12.76	91	86055m	0.302	ppbv	
59) m/p-Xylene	13.01	91	374522m	1.495	ppbv	
60) o-Xylene	13.73	91	132068	0.534	ppbv	99
74) 1,2,4-Trimethylbenzene	16.82	105	169493m	0.578	ppbv	

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

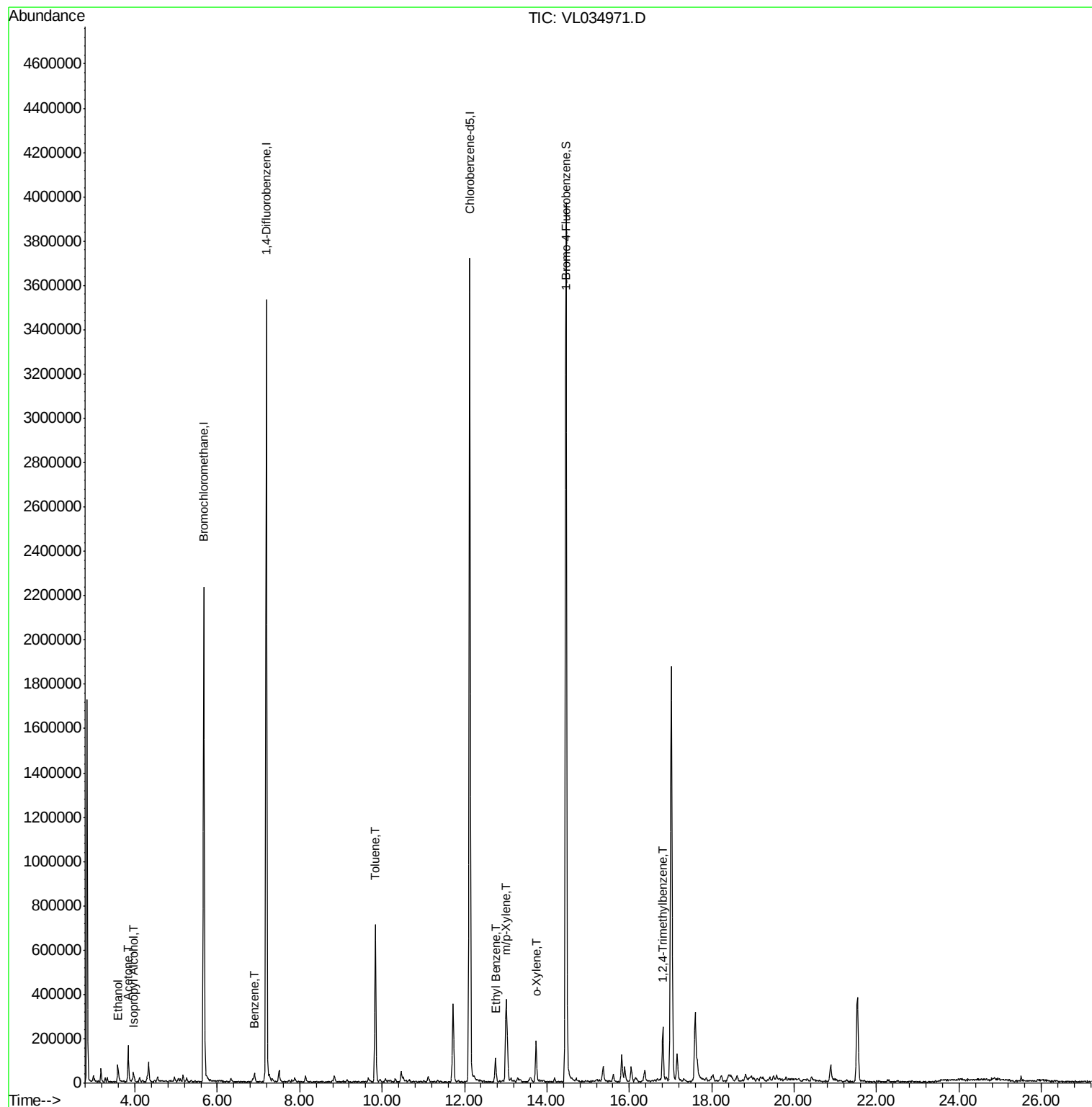
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL050720\
Data File : VL034971.D
Acq On : 7 May 2020 17:10
Operator : SY/AP
Sample : L2524-04DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

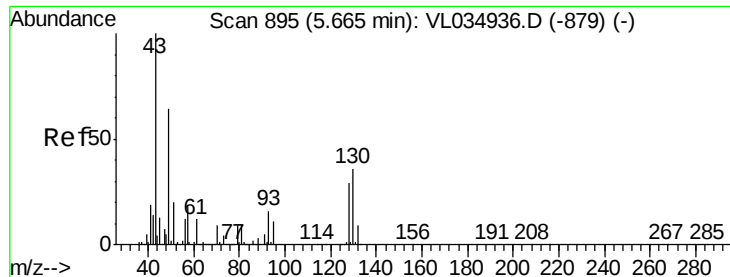
Instrument :
MSVOA_L
ClientSampleId :
SSRG1DL

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Quant Time: May 08 15:20:35 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed May
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

Lab File: VL034971.D

Acq: 7 May 2020 17:10

Instrument :

MSVOA_L

ClientSampled :

SSRG1DL

Tot Ion: 49 Resp: 1066100

Ion Ratio Lower Upper

49 100

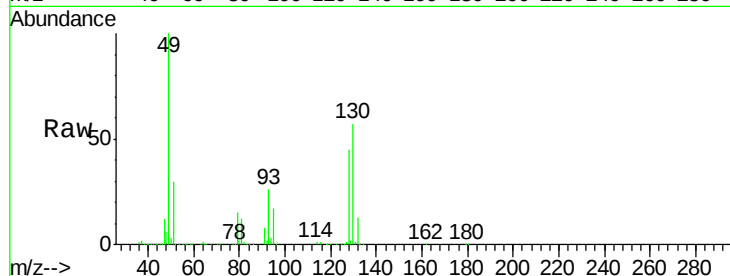
128 45.8 22.1 66.5

130 57.6 29.1 87.3

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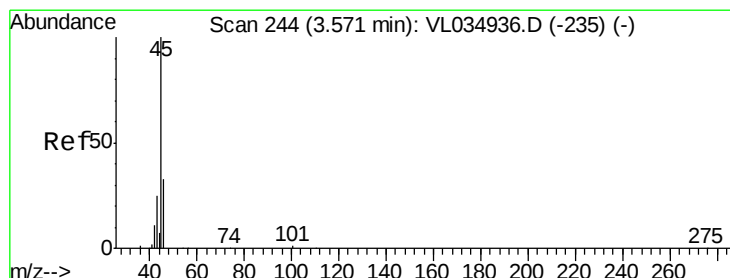
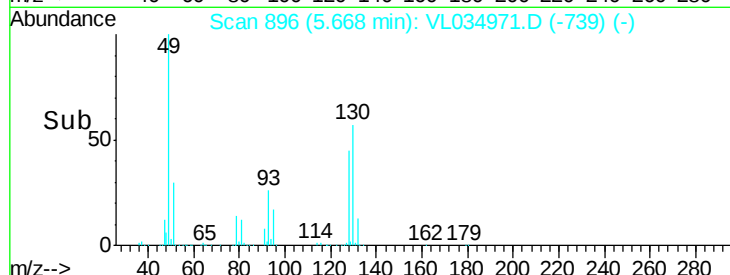
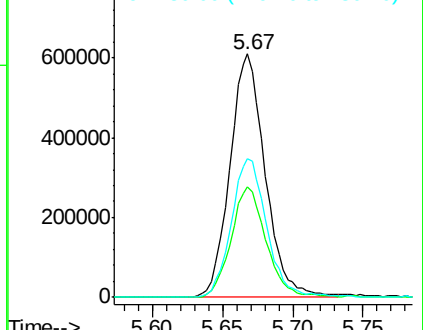
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#13

Ethanol

Concen: 4.687 ppbv

RT: 3.58 min Scan# 248

Delta R.T. 0.01 min

Lab File: VL034971.D

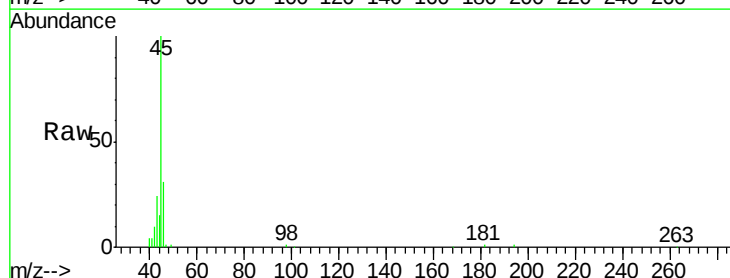
Acq: 7 May 2020 17:10

Tgt Ion: 45 Resp: 81690

Ion Ratio Lower Upper

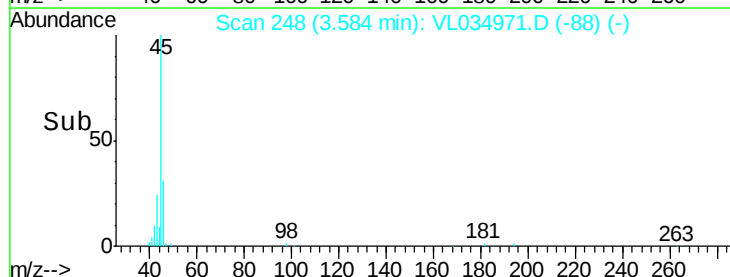
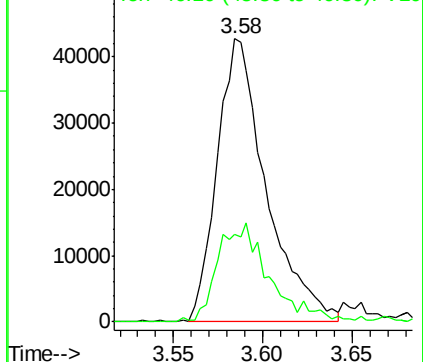
45 100

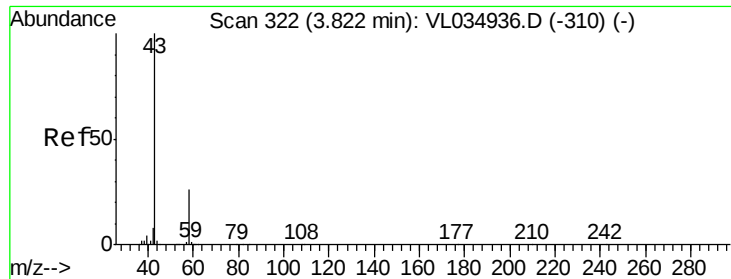
46 36.6 14.3 57.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 1.075 ppbv

RT: 3.84 min Scan# 326

Delta R.T. 0.01 min

Lab File: VL034971.D

Acq: 7 May 2020 17:10

Instrument :

MSVOA_L

ClientSampleId :

SSRG1DL

Tot Ion: 43 Resp: 151477

Ion Ratio Lower Upper

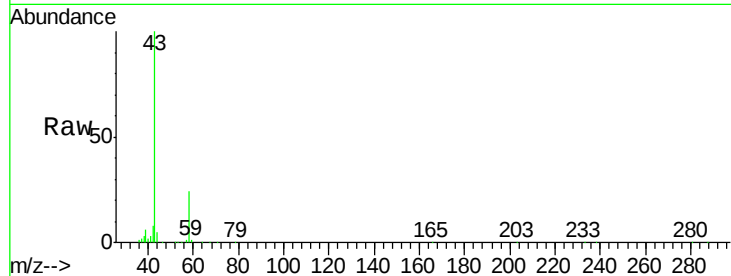
43 100

58 29.9 21.7 32.5

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.84

120000

100000

80000

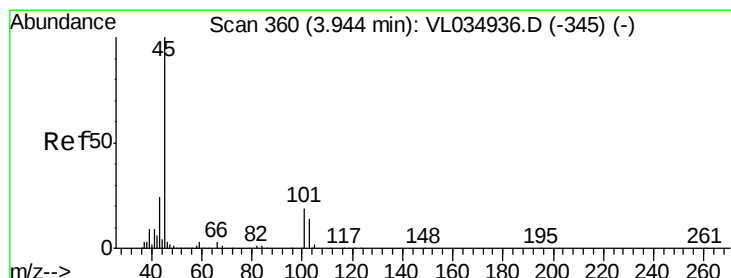
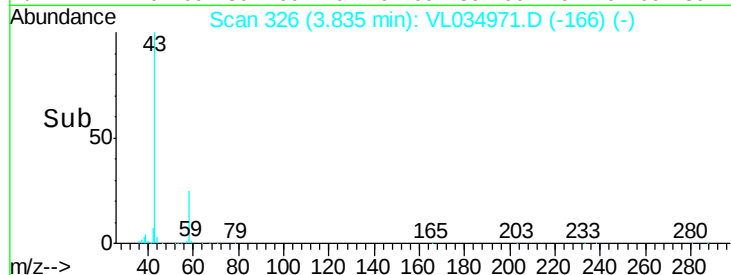
60000

40000

20000

0

Time-->



#19

Isopropyl Alcohol

Concen: 0.424 ppbv m

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VL034971.D

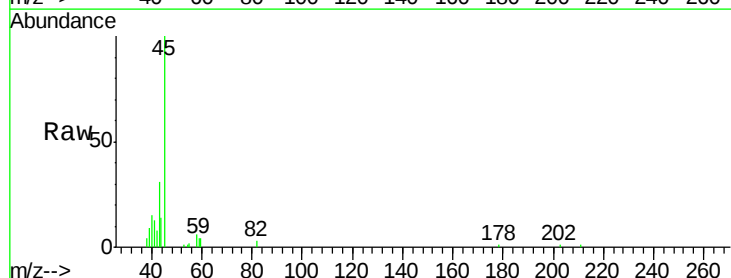
Acq: 7 May 2020 17:10

Tgt Ion: 45 Resp: 39889

Ion Ratio Lower Upper

45 100

58 0.0 1.7 2.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.96

20000

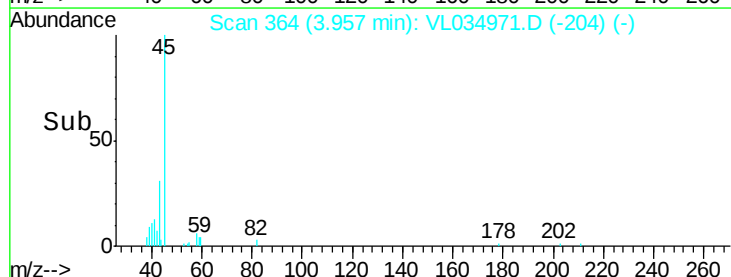
15000

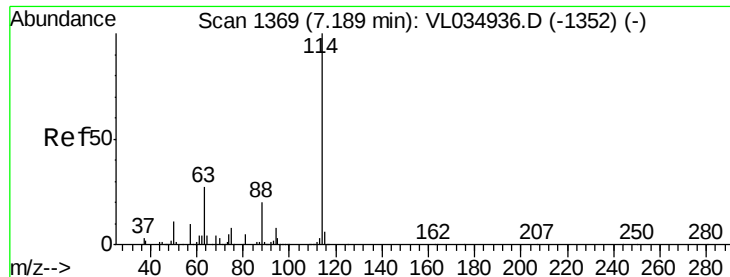
10000

5000

0

Time-->





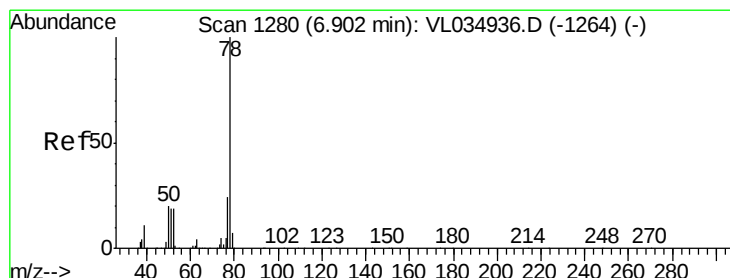
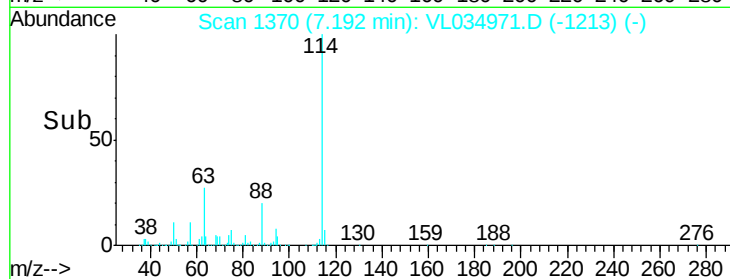
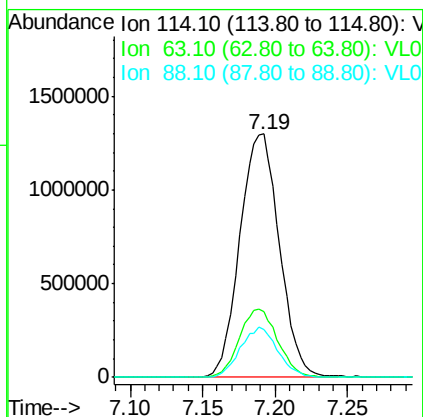
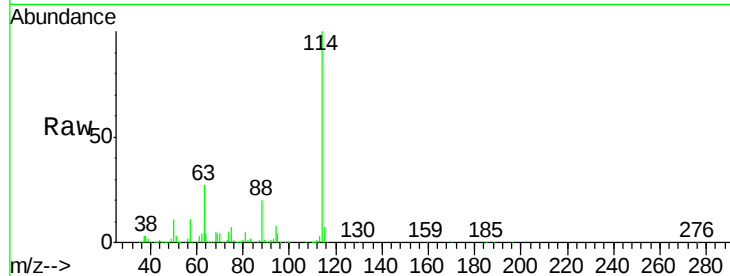
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. 0.00 min
 Lab File: VL034971.D
 Acq: 7 May 2020 17:10

Instrument :
 MSVOA_L
 ClientSampleId :
 SSRG1DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.3	22.2	33.4
88	19.5	15.5	23.3

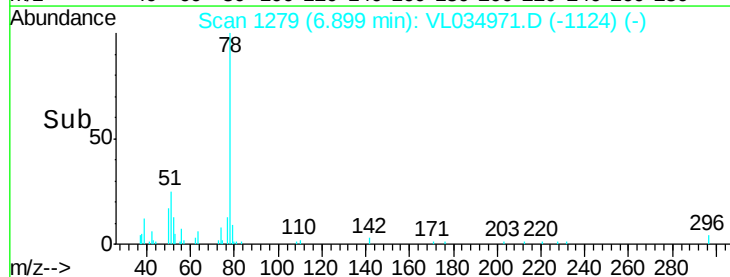
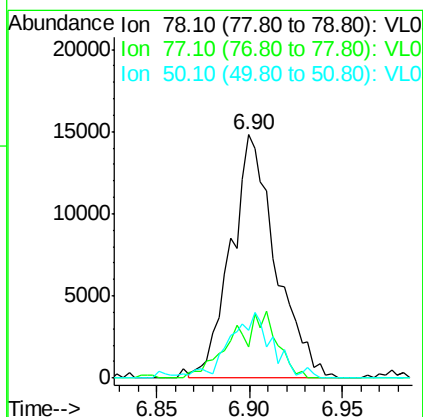
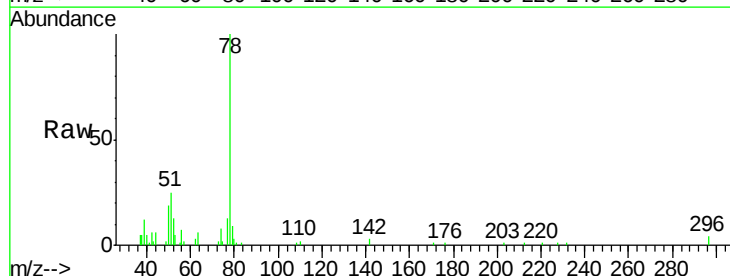
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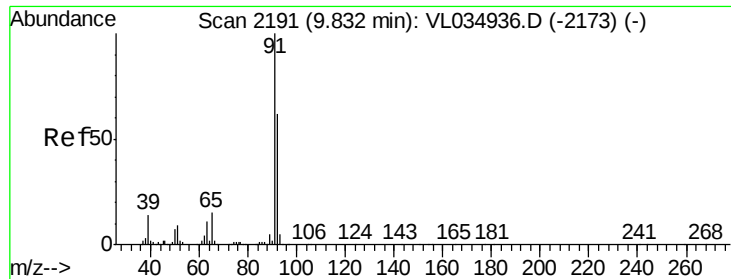
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#36
 Benzene
 Concen: 0.122 ppbv
 RT: 6.90 min Scan# 1279
 Delta R.T. -0.00 min
 Lab File: VL034971.D
 Acq: 7 May 2020 17:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	12.9	19.0	28.6#
50	19.4	15.8	23.8





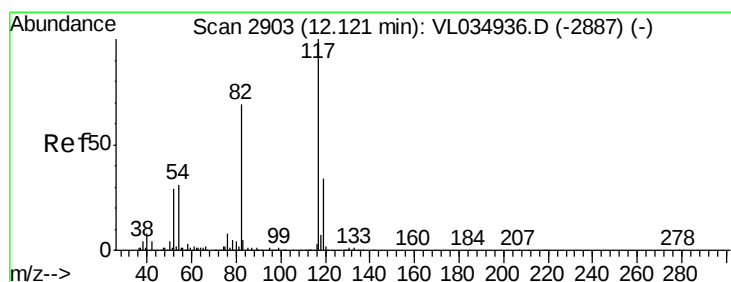
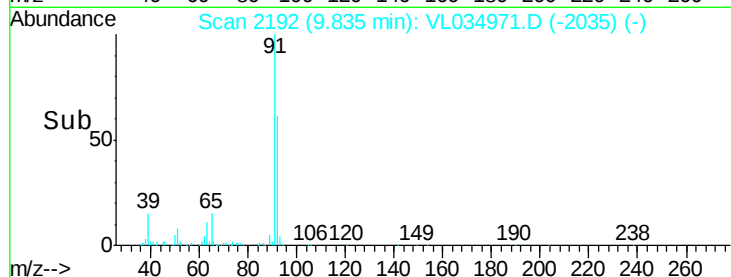
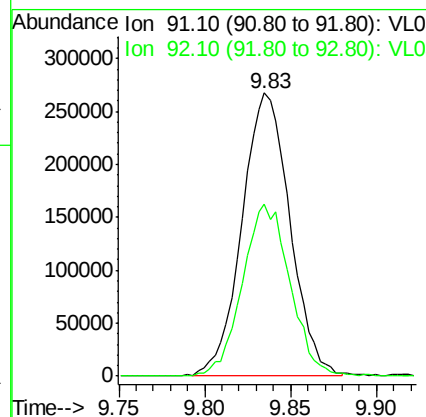
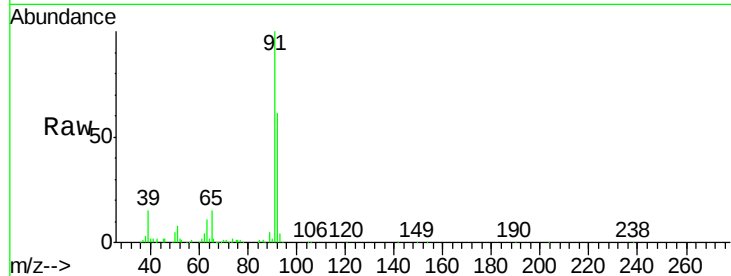
#53
Toluene
Concen: 2.395 ppbv
RT: 9.83 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VL034971.D
Acq: 7 May 2020 17:10

Instrument :
MSVOA_L
ClientSampleId :
SSRG1DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		514861		
92	61.0	48.6	73.0		

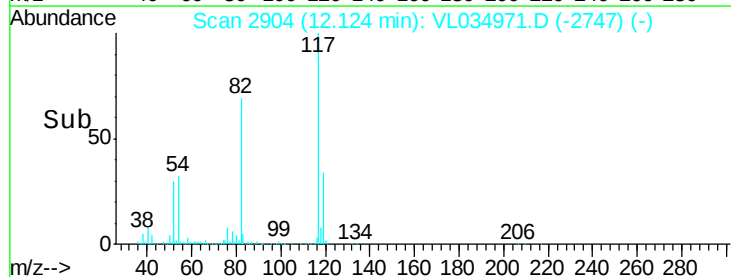
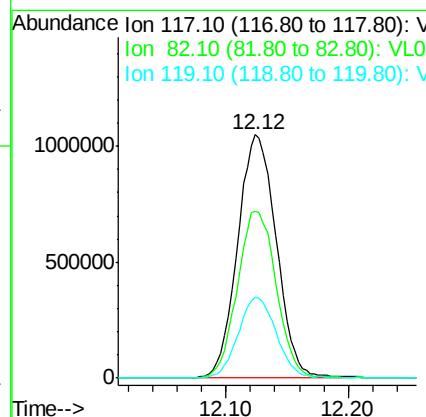
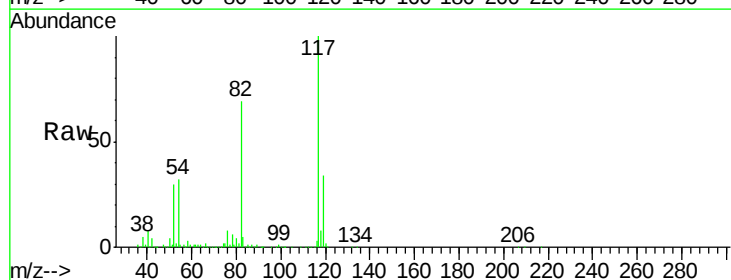
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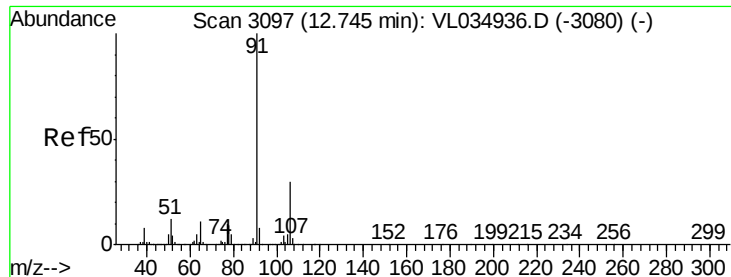
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VL034971.D
Acq: 7 May 2020 17:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		2302738		
82	69.4	53.1	79.7		
119	33.0	26.7	40.1		





#58

Ethyl Benzene

Concen: 0.302 ppbv m

RT: 12.76 min Scan# 3101

Delta R.T. 0.01 min

Lab File: VL034971.D

Acq: 7 May 2020 17:10

Instrument :

MSVOA_L

ClientSampleId :

SSRG1DL

Tot Ion: 91 Resp: 86055

Ion Ratio Lower Upper

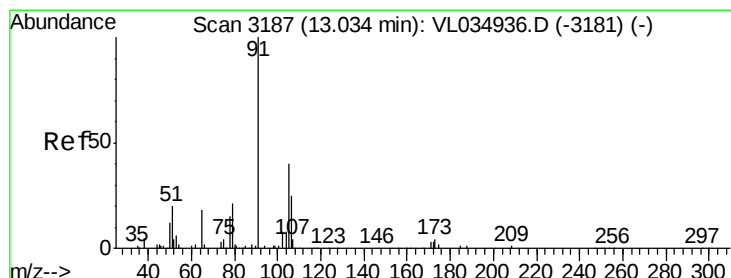
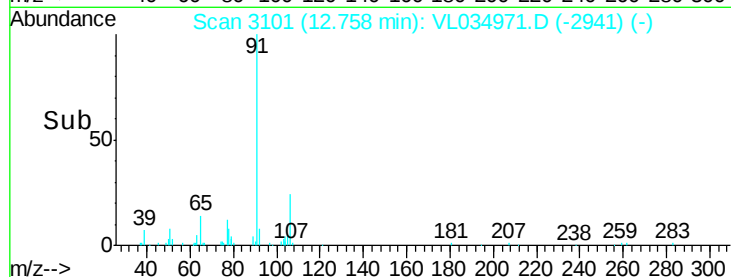
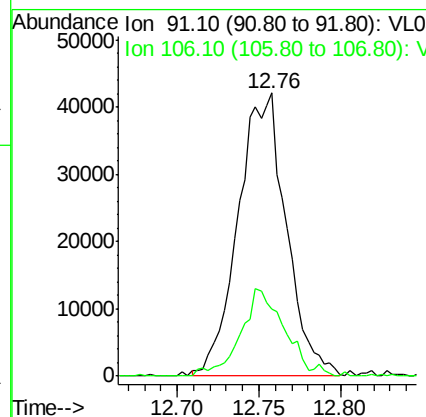
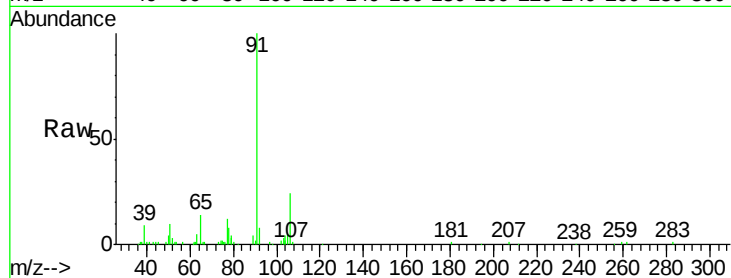
91 100

106 23.9 24.2 36.4#

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#59

m/p-Xylene

Concen: 1.495 ppbv m

RT: 13.01 min Scan# 3178

Delta R.T. -0.03 min

Lab File: VL034971.D

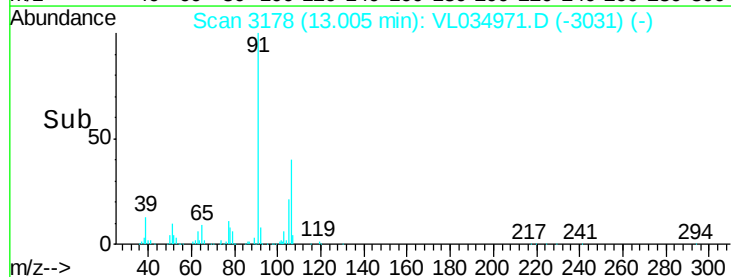
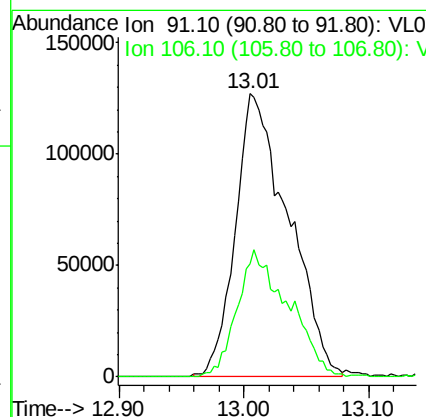
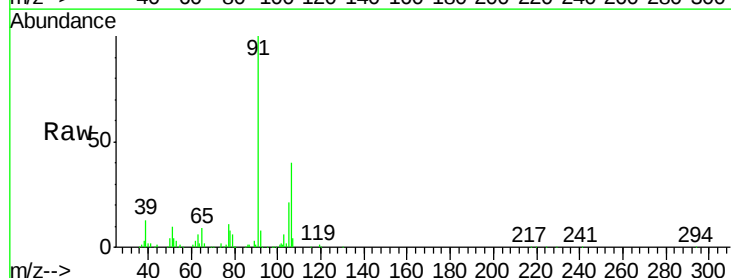
Acq: 7 May 2020 17:10

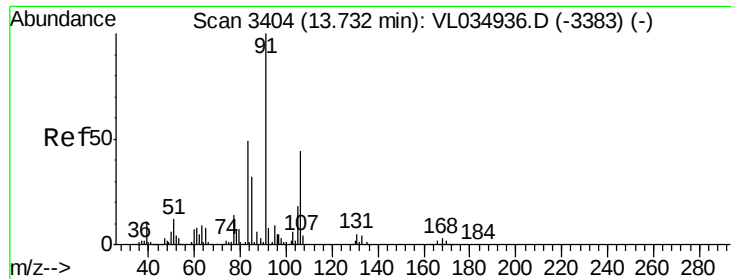
Tgt Ion: 91 Resp: 374522

Ion Ratio Lower Upper

91 100

106 0.0 66.0 99.0#





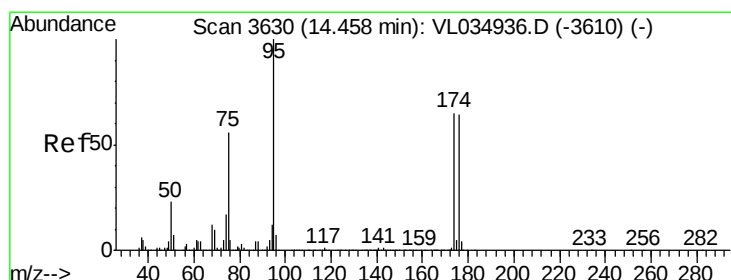
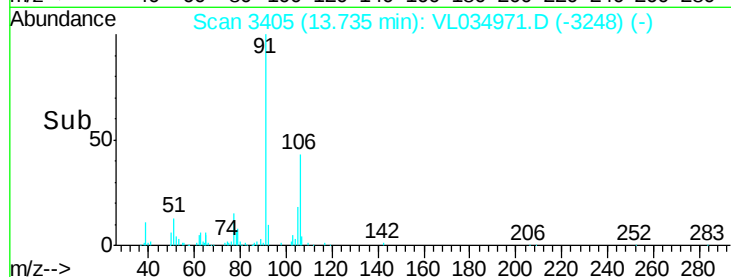
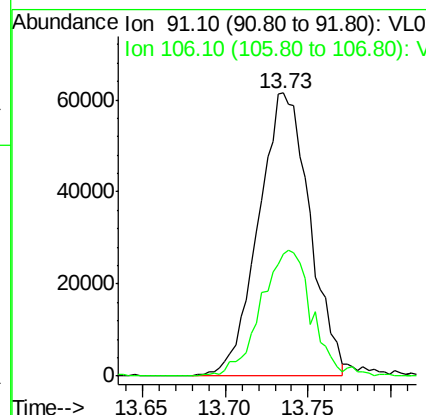
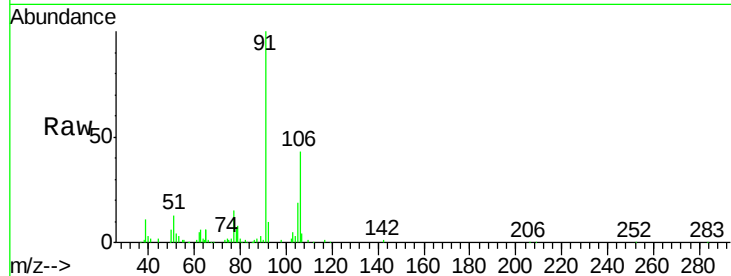
#60
o-Xylene
Concen: 0.534 ppbv
RT: 13.73 min Scan# 3405
Delta R.T. 0.00 min
Lab File: VL034971.D
Acq: 7 May 2020 17:10

Instrument :
MSVOA_L
ClientSampleId :
SSRG1DL

Tot Ion: 91 Resp: 132068
Ion Ratio Lower Upper
91 100
106 44.3 21.9 65.5

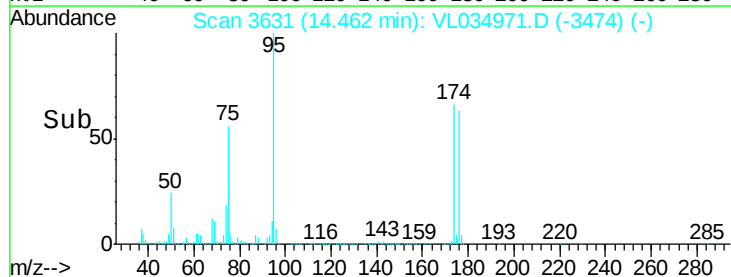
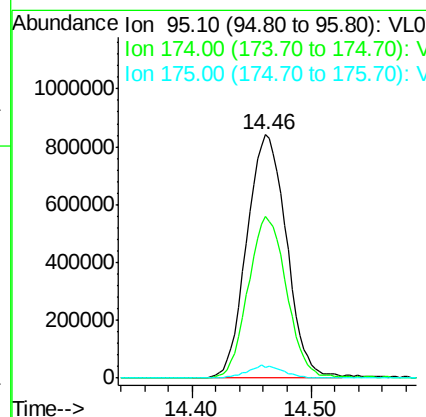
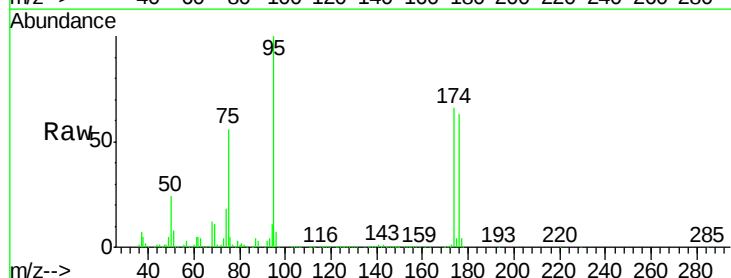
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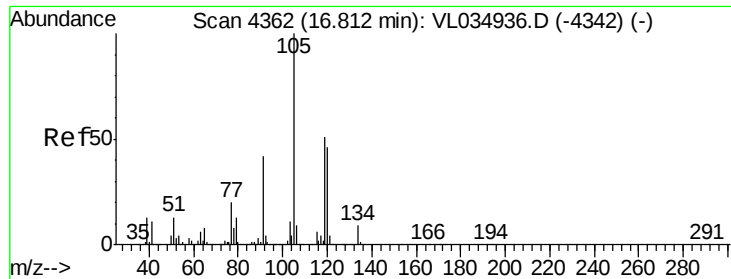
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.415 ppbv
RT: 14.46 min Scan# 3631
Delta R.T. 0.00 min
Lab File: VL034971.D
Acq: 7 May 2020 17:10

Tgt Ion: 95 Resp: 1941298
Ion Ratio Lower Upper
95 100
174 64.5 51.5 77.3
175 4.8 3.8 5.8





#74

1,2,4-Trimethylbenzene

Concen: 0.578 ppbv m

RT: 16.82 min Scan# 4363

Delta R.T. 0.00 min

Lab File: VL034971.D

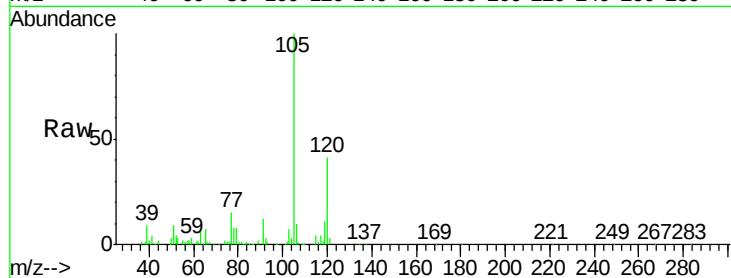
Acq: 7 May 2020 17:10

Instrument :

MSVOA_L

ClientSampleId :

SSRG1DL



Tot Ion	Ratio	Resp Lower	Upper
105	100		
120	41.5	36.8	55.2
91	12.2	35.4	53.0#
77	15.0	16.2	24.2#

Manual Integrations
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