

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051420\
 Data File : VL035022.D
 Acq On : 14 May 2020 16:26
 Operator : SY/AP
 Sample : L2567-05DLDUP 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-3DLDUP

Manual Integrations
 APPROVED

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 5/18/2020 6:47:51 PM

Quant Time: May 18 09:02:16 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	5.65	49	1031788	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	2326564	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2272903	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1986825	10.80	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.57	45	19036m	1.129	ppbv	
15) Acetone	3.82	43	114516m	0.840	ppbv	
19) Isopropyl Alcohol	3.94	45	132707	1.459	ppbv	# 94
53) Toluene	9.81	91	1786967	8.788	ppbv	99
59) m/p-Xylene	12.99	91	132327m	0.535	ppbv	
61) Styrene	13.55	104	91407m	0.592	ppbv	

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

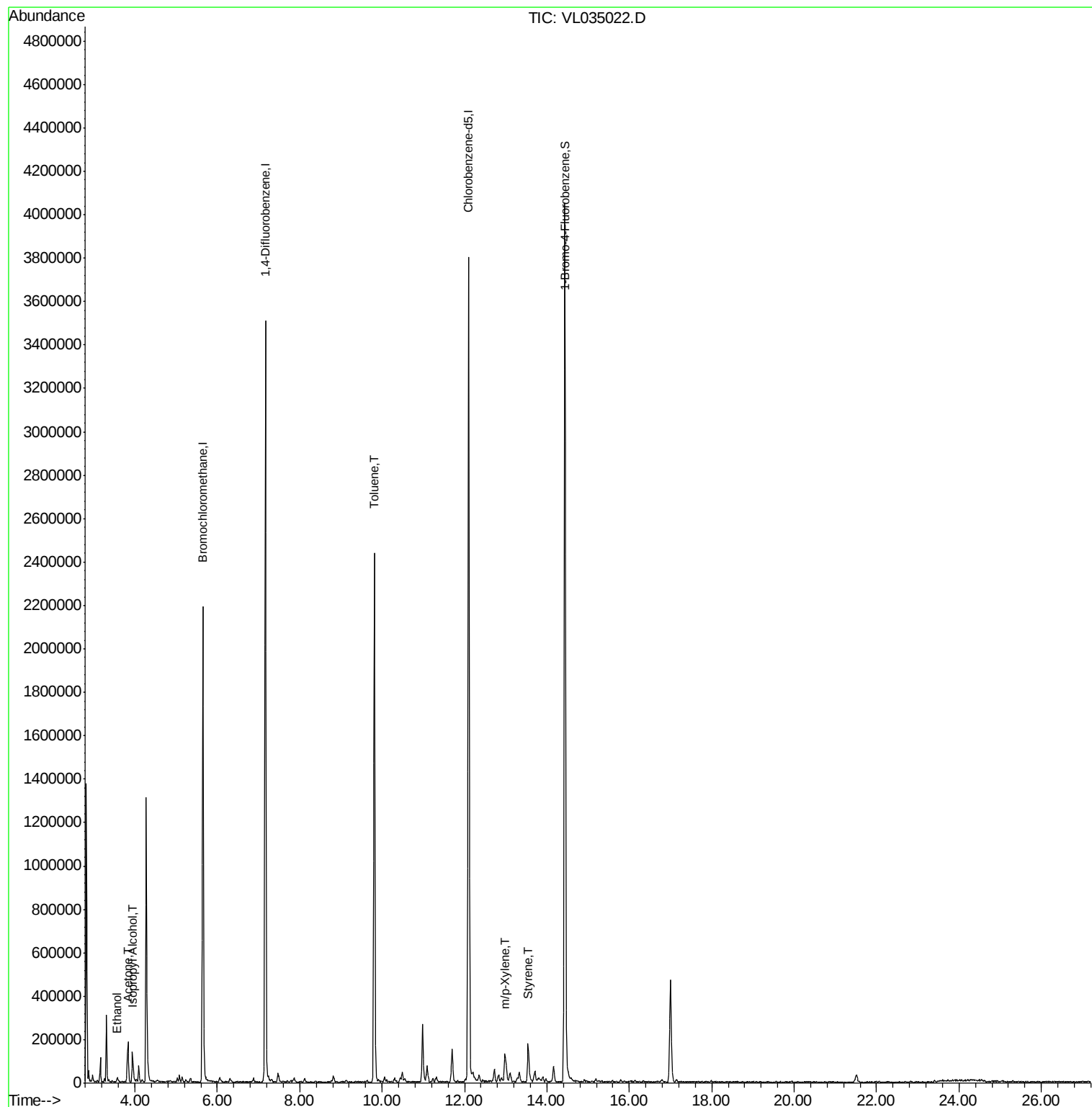
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051420\
Data File : VL035022.D
Acq On : 14 May 2020 16:26
Operator : SY/AP
Sample : L2567-05DL DUP 40X
Misc : 400ml/MSVOA L
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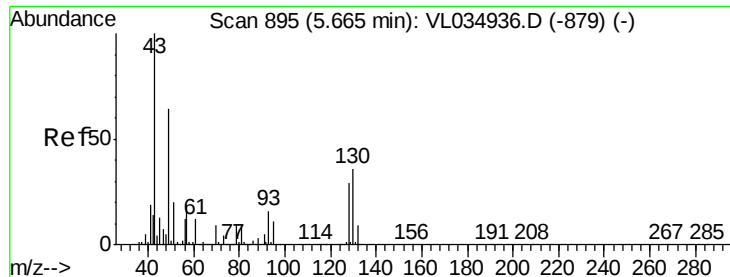
Instrument :
MSVOA_L
ClientSampleId :
IA-3DL DUP

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Quant Time: May 18 09:02:16 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: 5.65 min Scan# 890

Delta R.T. -0.02 min

Lab File: VL035022.D

Acq: 14 May 2020 16:26

Instrument :

MSVOA_L

ClientSampleId :

IA-3DLDP

Tot Ion: 49 Resp: 1031788

Ion Ratio Lower Upper

49 100

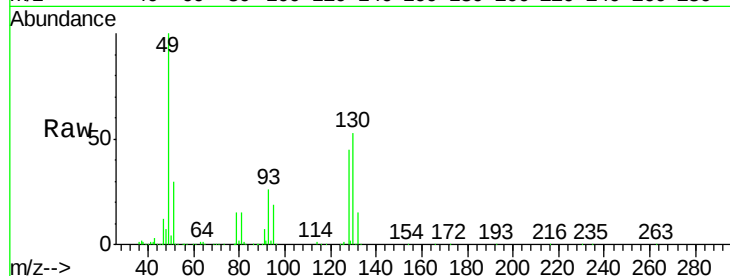
128 44.7 22.1 66.5

130 56.4 29.1 87.3

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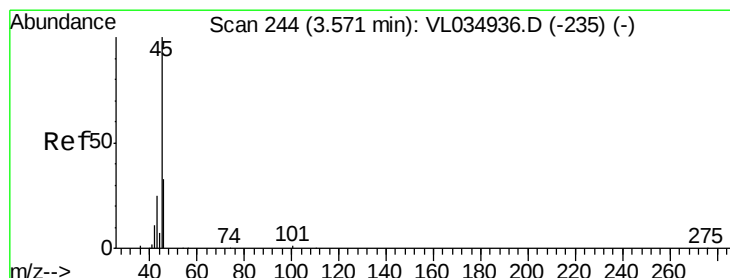
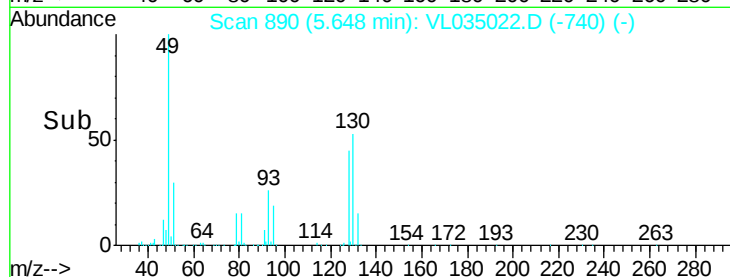
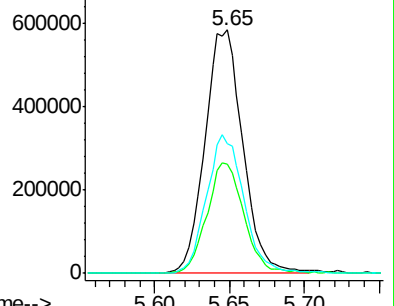
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#13

Ethanol

Concen: 1.129 ppbv m

RT: 3.57 min Scan# 243

Delta R.T. -0.00 min

Lab File: VL035022.D

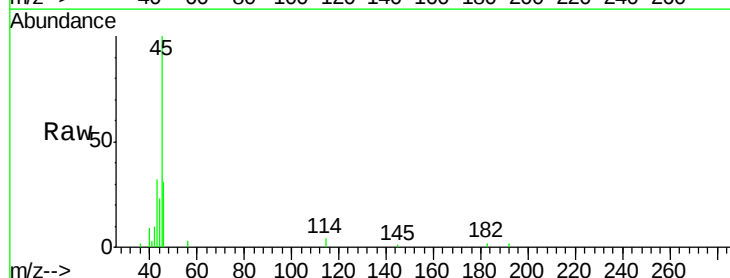
Acq: 14 May 2020 16:26

Tgt Ion: 45 Resp: 19036

Ion Ratio Lower Upper

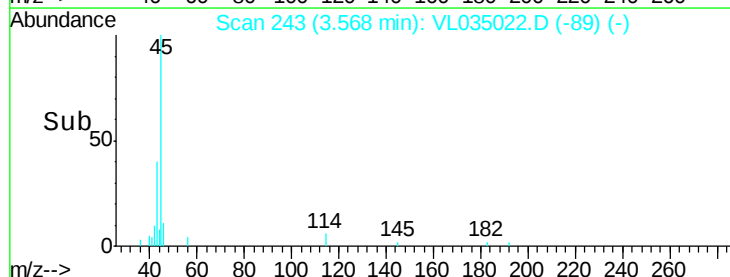
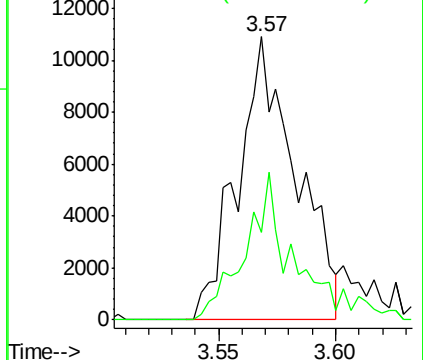
45 100

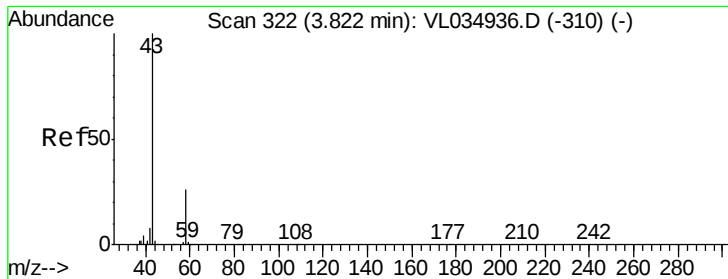
46 0.0 14.3 57.3#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.840 ppbv m

RT: 3.82 min Scan# 320

Delta R.T. -0.01 min

Lab File: VL035022.D

Acq: 14 May 2020 16:26

Instrument :

MSVOA_L

ClientSampleId :

IA-3DLDUP

Tot Ion: 43 Resp: 114516

Ion Ratio Lower Upper

43 100

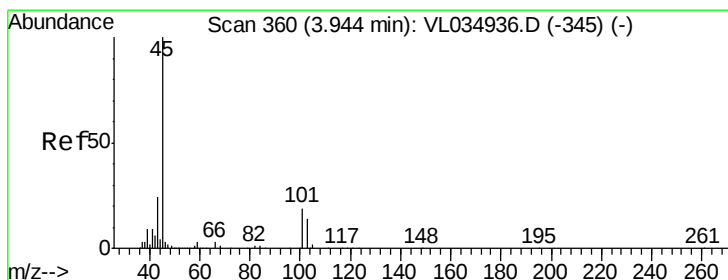
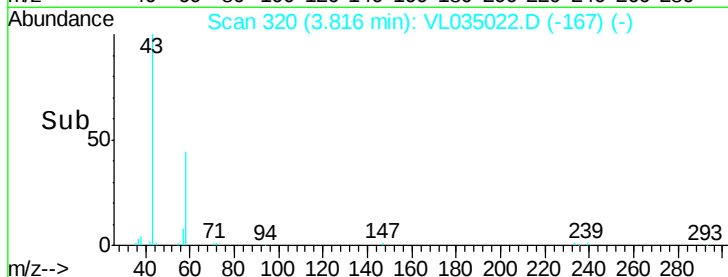
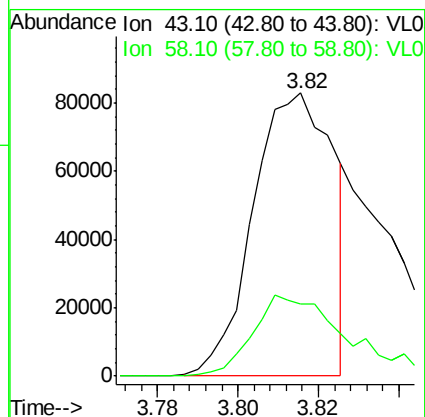
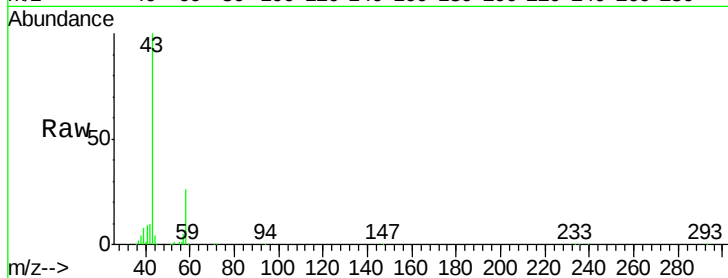
58 35.0 21.7 32.5#

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#19

Isopropyl Alcohol

Concen: 1.459 ppbv

RT: 3.94 min Scan# 359

Delta R.T. -0.00 min

Lab File: VL035022.D

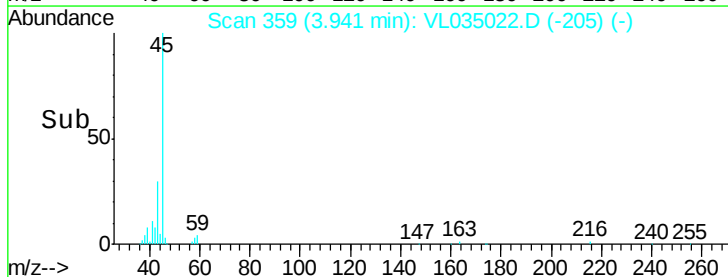
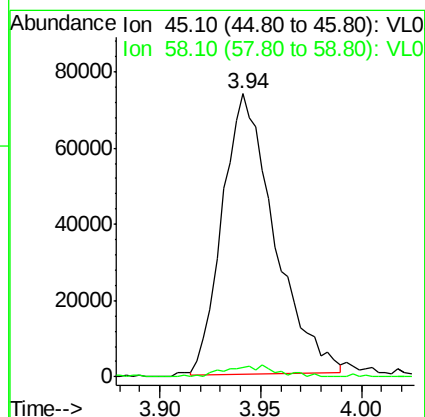
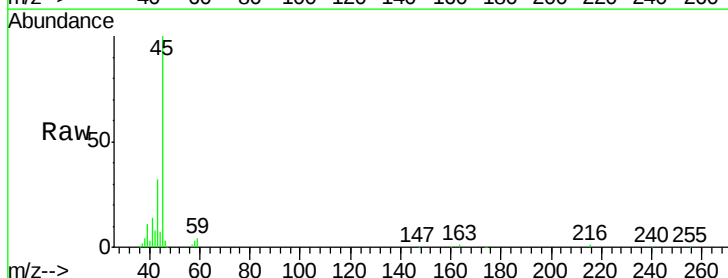
Acq: 14 May 2020 16:26

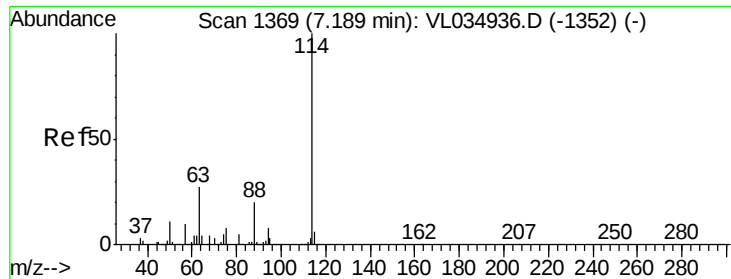
Tgt Ion: 45 Resp: 132707

Ion Ratio Lower Upper

45 100

58 4.2 1.7 2.5#





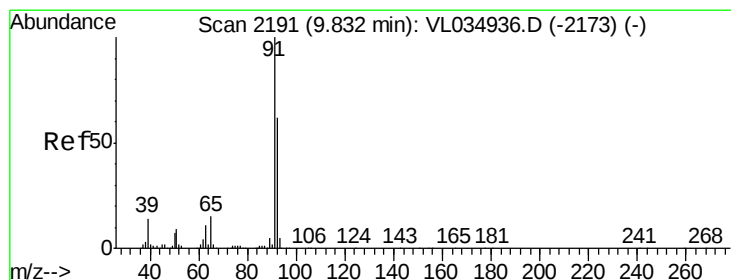
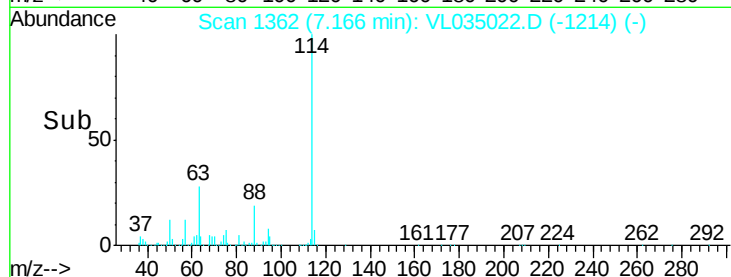
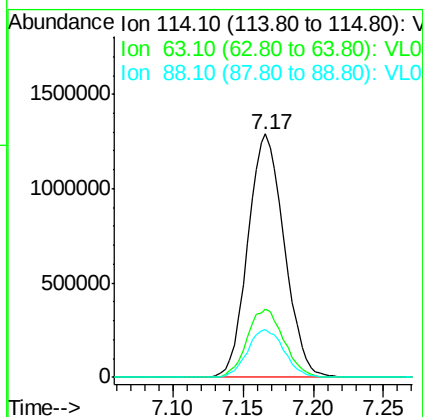
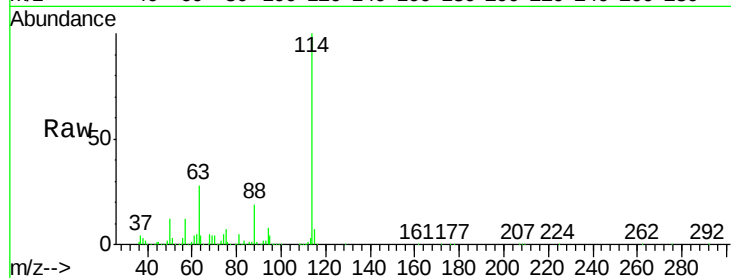
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.02 min
 Lab File: VL035022.D
 Acq: 14 May 2020 16:26

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-3DLDP

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.4	22.2	33.4
88	19.8	15.5	23.3

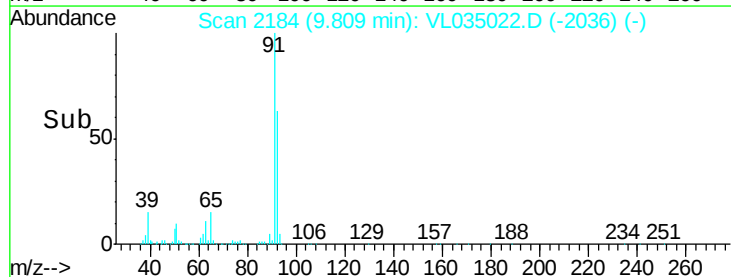
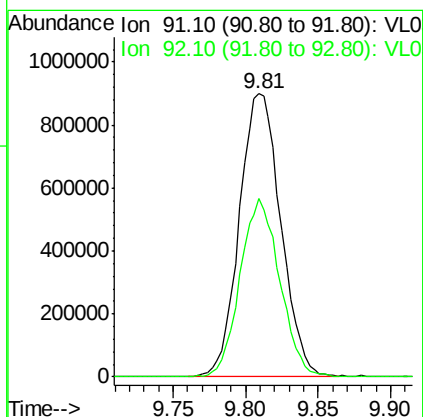
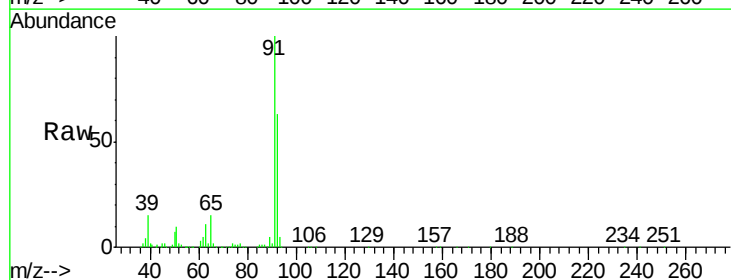
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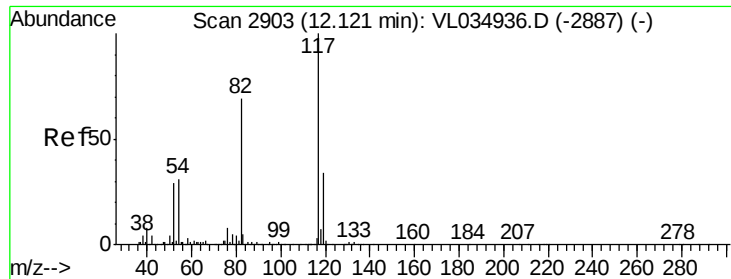
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#53
 Toluene
 Concen: 8.788 ppbv
 RT: 9.81 min Scan# 2184
 Delta R.T. -0.02 min
 Lab File: VL035022.D
 Acq: 14 May 2020 16:26

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.4	48.6	73.0





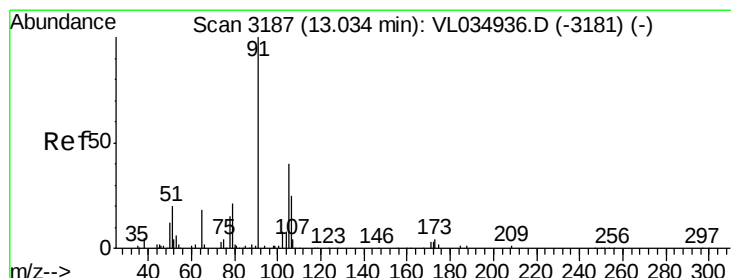
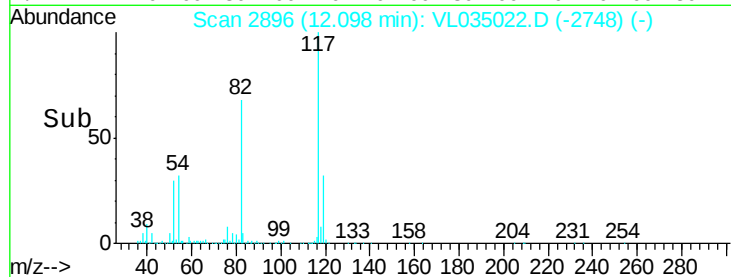
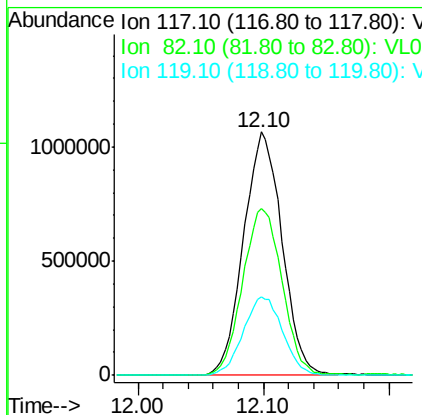
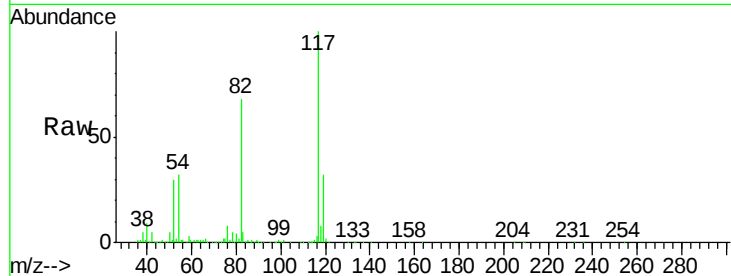
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.02 min
Lab File: VL035022.D
Acq: 14 May 2020 16:26

Instrument :
MSVOA_L
ClientSampleId :
IA-3DLDUP

Tot Ion	Ratio	Lower	Upper
117	100		
82	70.2	53.1	79.7
119	33.0	26.7	40.1

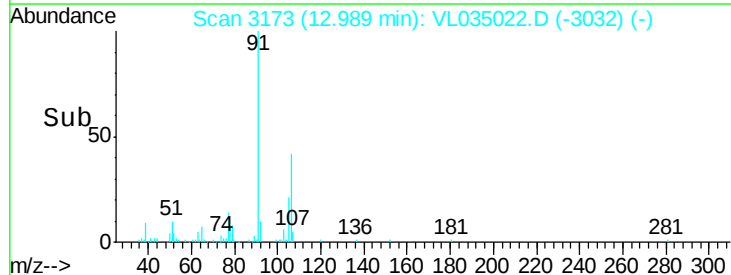
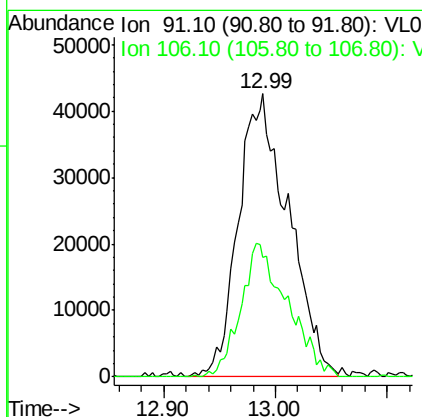
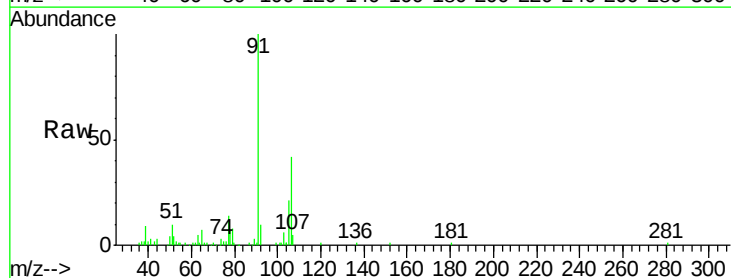
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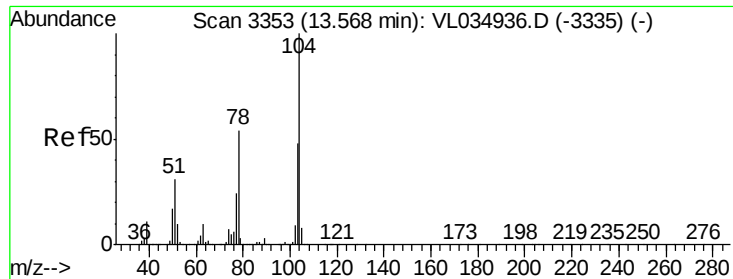
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#59
m/p-Xylene
Concen: 0.535 ppbv m
RT: 12.99 min Scan# 3173
Delta R.T. -0.05 min
Lab File: VL035022.D
Acq: 14 May 2020 16:26

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	66.0	99.0#





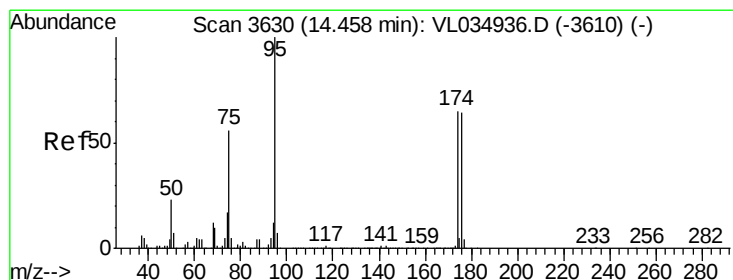
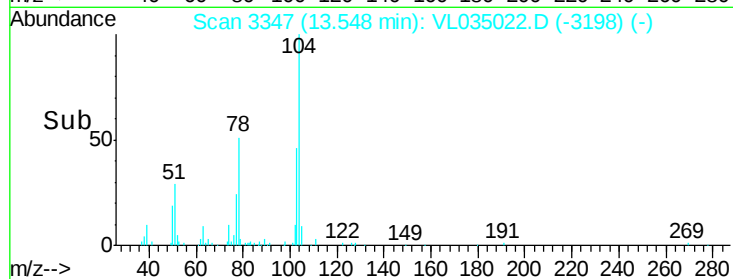
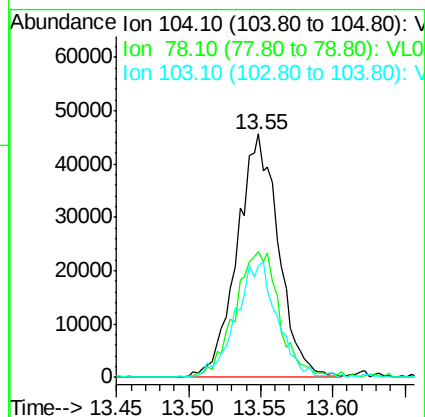
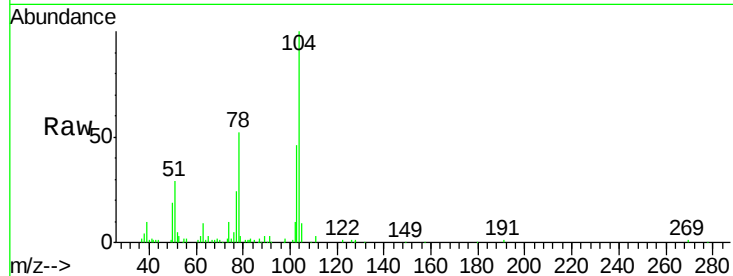
#61
Stvrene
Concen: 0.592 ppbv m
RT: 13.55 min Scan# 3347
Delta R.T. -0.02 min
Lab File: VL035022.D
Acq: 14 May 2020 16:26

Instrument :
MSVOA_L
ClientSampleId :
IA-3DLDP

Tot Ion	Ratio	Lower	Upper
104	100		
78	56.3	43.7	65.5
103	0.0	38.8	58.2#

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.799 ppbv
RT: 14.44 min Scan# 3623
Delta R.T. -0.02 min
Lab File: VL035022.D
Acq: 14 May 2020 16:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	63.3	51.5	77.3
175	4.8	3.8	5.8

