

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021820\
 Data File : VL034640.D
 Acq On : 19 Feb 2020 1:37
 Operator : SY/AP
 Sample : L1554-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1DL

Manual Integrations
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Quant Time: Feb 21 09:42:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 2020
 QLast Update : Thu Jan 30 17:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1067915	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2314914	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2422782	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	2028501	9.91	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.59	45	34678m	2.577	ppbv	
15) Acetone	3.84	43	84277	0.537	ppbv	92
34) 2-Butanone	5.24	43	266999	1.588	ppbv	99
53) Toluene	9.83	91	104071	0.460	ppbv	97
58) Ethyl Benzene	12.74	91	190874m	0.589	ppbv	
59) m/p-Xylene	12.99	91	227097m	0.792	ppbv	
60) o-Xylene	13.72	91	81229m	0.282	ppbv	
61) Styrene	13.56	104	1804593	9.403	ppbv	98
62) Isopropylbenzene	14.70	105	3006587	8.061	ppbv	99

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

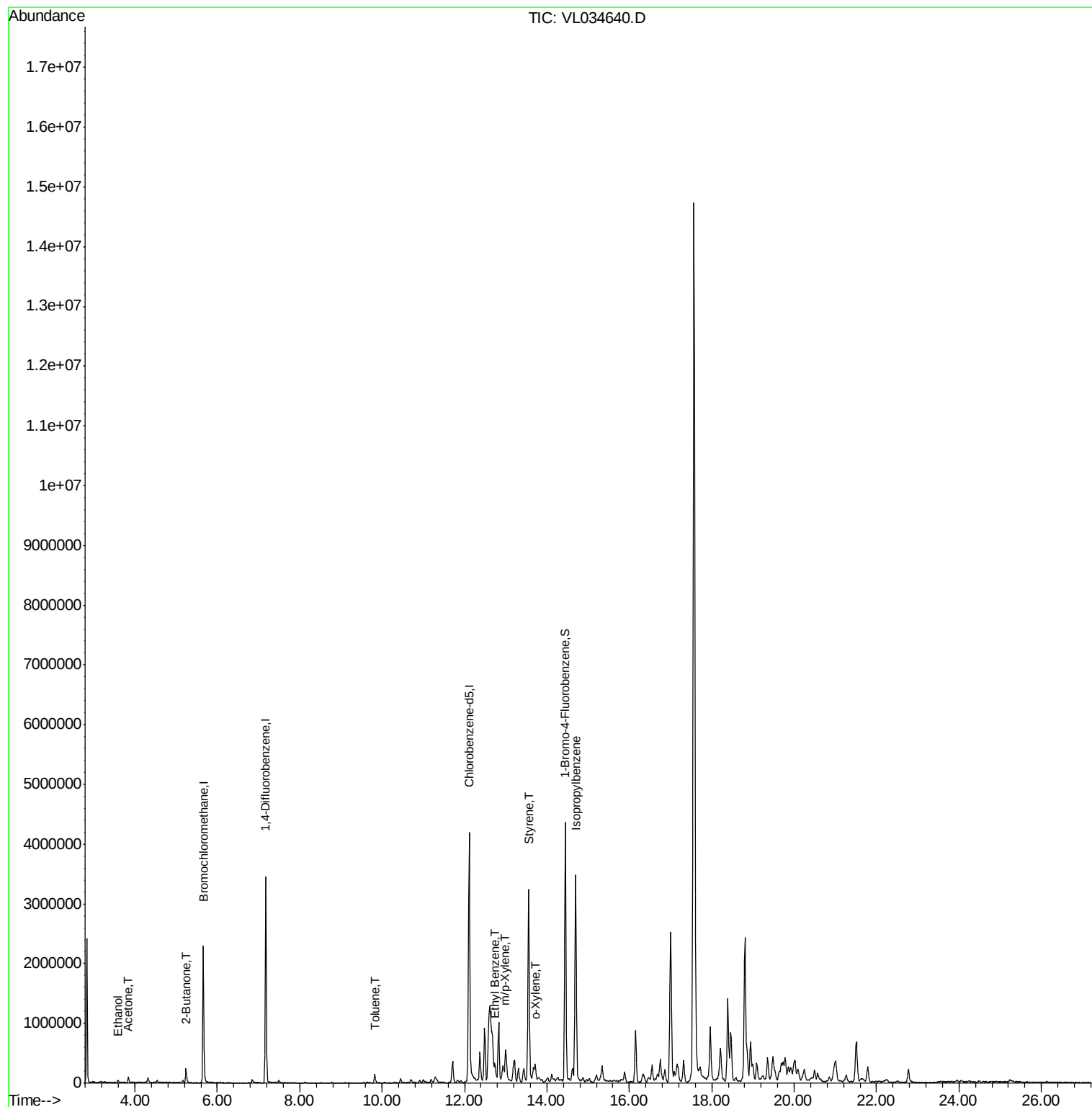
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Data File : VL034640.D
Acq On : 19 Feb 2020 1:37
Operator : SY/AP
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Misc : 400ml/MSVOA L
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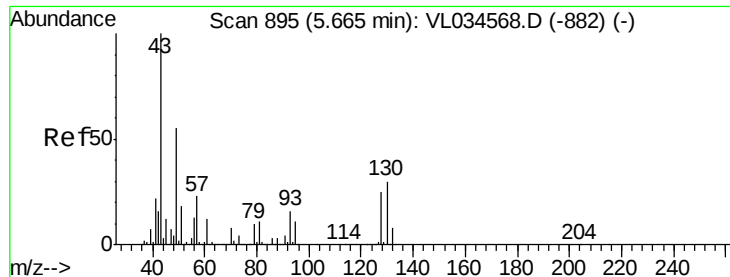
Instrument :
MSVOA_L
ClientSampleId :
SS-1DL

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Quant Time: Feb 21 09:42:21 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.01 min

Lab File: VL034640.D

Acq: 19 Feb 2020 1:37

Instrument :

MSVOA_L

ClientSampled :

SS-1DL

Tot Ion: 49 Resp: 1067915

Ion Ratio Lower Upper

49 100

128 47.1 22.7 68.1

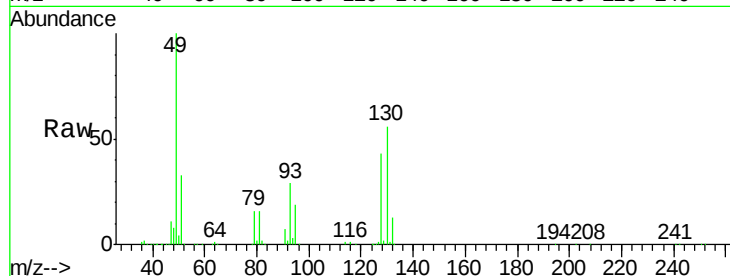
130 60.0 28.6 85.8

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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

5.65

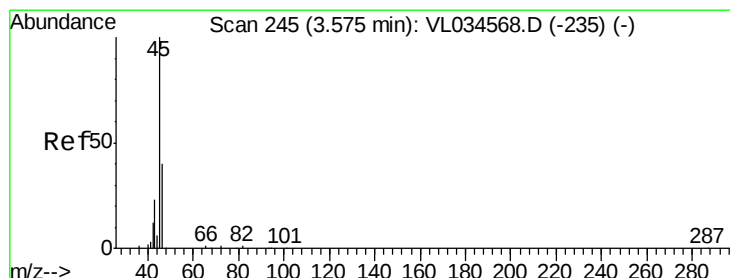
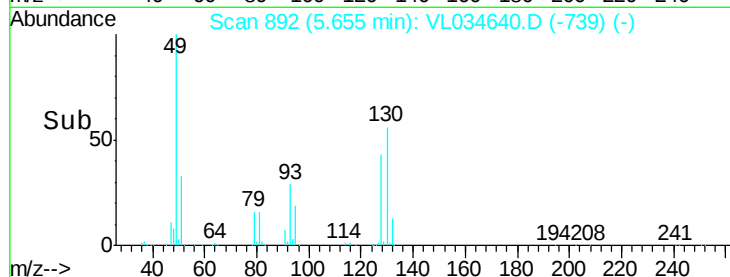
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400000

200000

0

Time-->



#13

Ethanol

Concen: 2.577 ppbv m

RT: 3.59 min Scan# 249

Delta R.T. 0.01 min

Lab File: VL034640.D

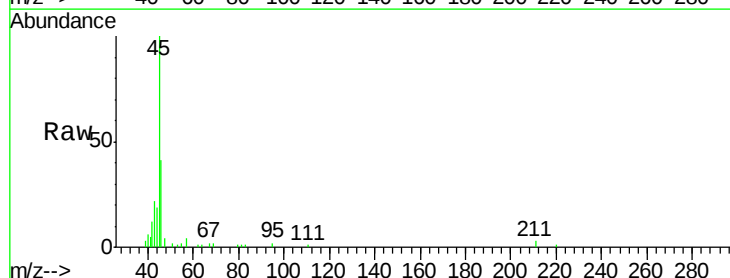
Acq: 19 Feb 2020 1:37

Tgt Ion: 45 Resp: 34678

Ion Ratio Lower Upper

45 100

46 0.0 14.8 59.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.59

20000

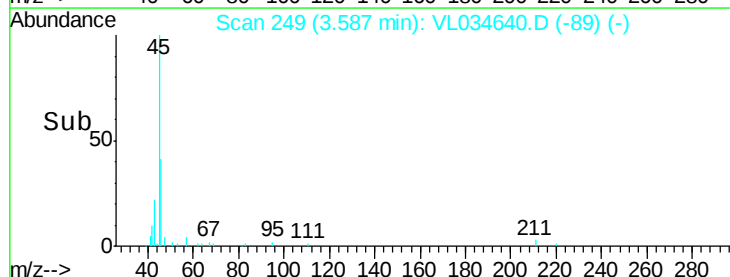
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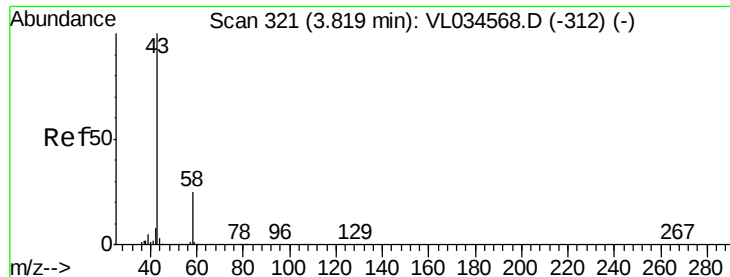
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Time-->





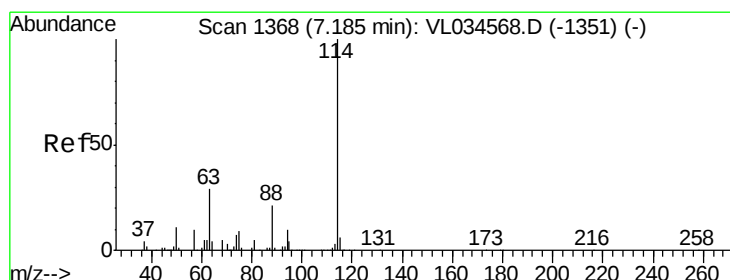
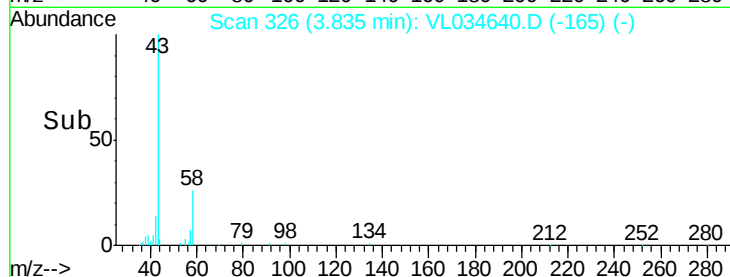
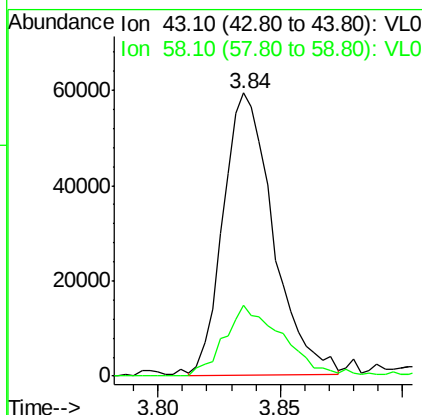
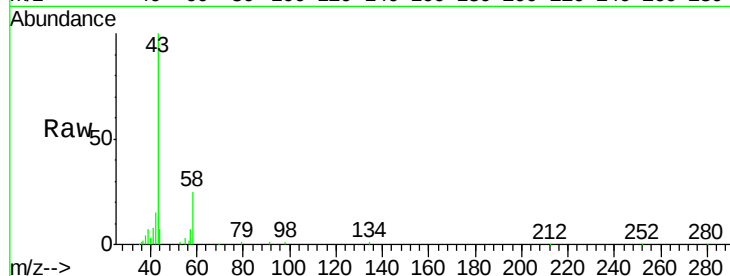
#15
Acetone
Concen: 0.537 ppbv
RT: 3.84 min Scan# 326
Delta R.T. 0.02 min
Lab File: VL034640.D
Acq: 19 Feb 2020 1:37

Instrument :
MSVOA_L
ClientSampleId :
SS-1DL

Tot Ion	43	Resp	84277
Ion Ratio	43	100	
Lower	58	29.5	20.3
Upper			30.5

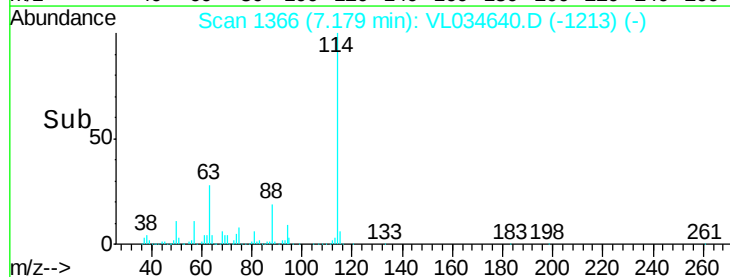
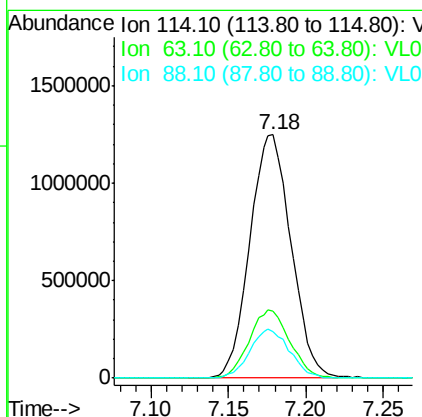
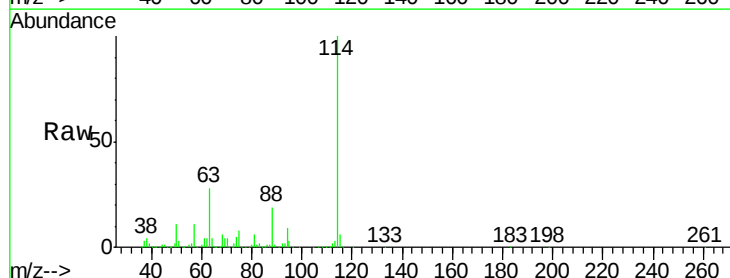
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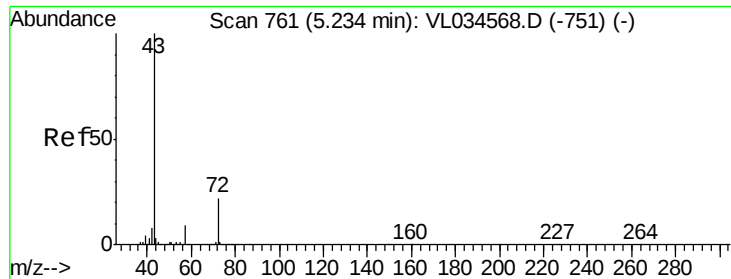
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VL034640.D
Acq: 19 Feb 2020 1:37

Tgt Ion	114	Resp	2314914
Ion Ratio	114	100	
Lower	63	27.8	24.1
Upper	88	19.4	15.9





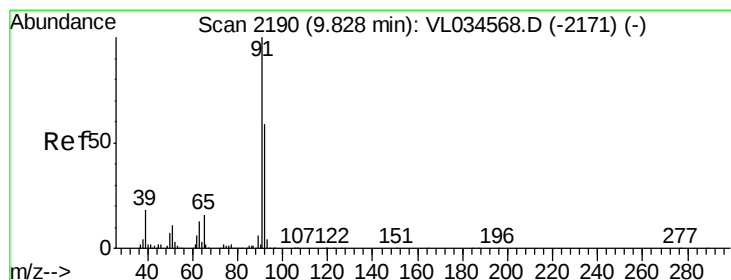
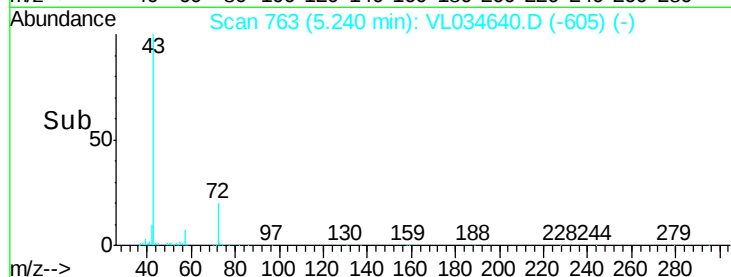
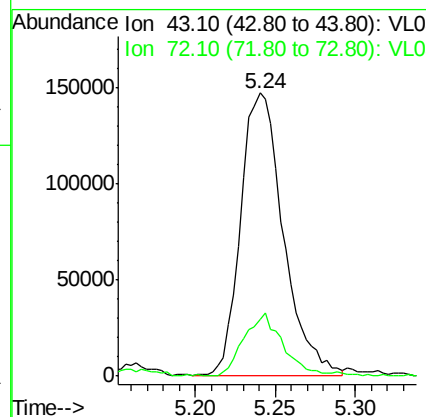
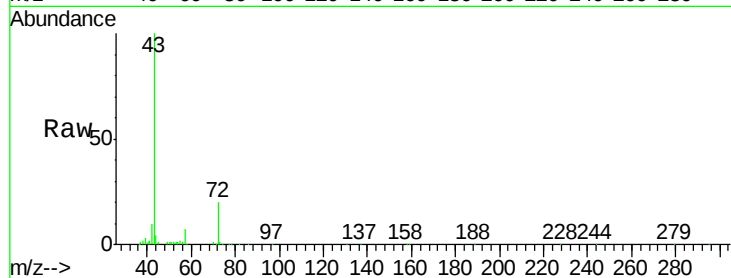
#34
2-Butanone
Concen: 1.588 ppbv
RT: 5.24 min Scan# 763
Delta R.T. 0.01 min
Lab File: VL034640.D
Acq: 19 Feb 2020 1:37

Instrument :
MSVOA_L
ClientSampleId :
SS-1DL

Tot Ion	Ratio	Lower	Upper
43	100		
72	21.0	17.2	25.8

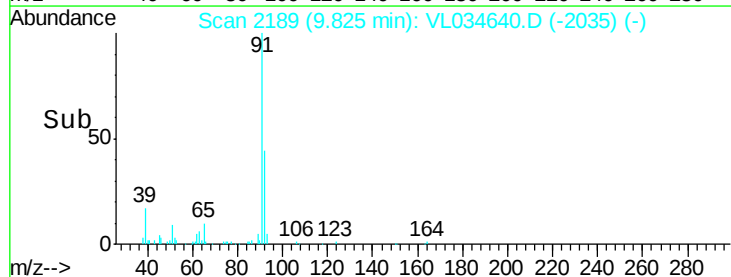
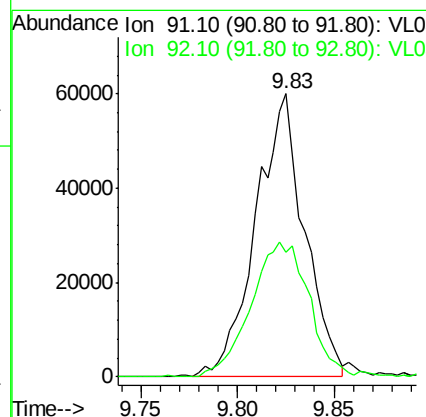
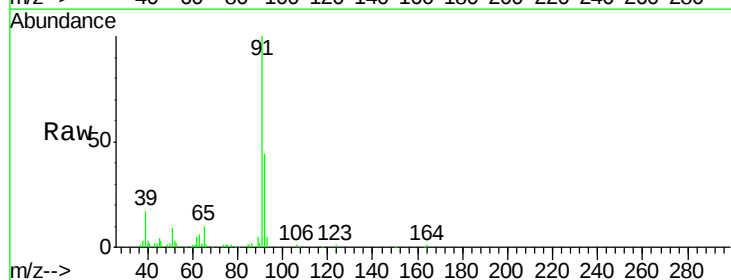
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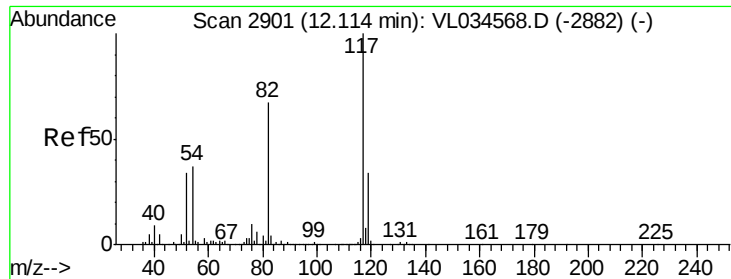
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#53
Toluene
Concen: 0.460 ppbv
RT: 9.83 min Scan# 2189
Delta R.T. -0.00 min
Lab File: VL034640.D
Acq: 19 Feb 2020 1:37

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.0	48.2	72.2





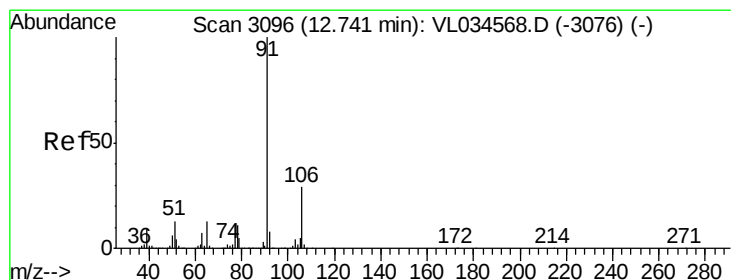
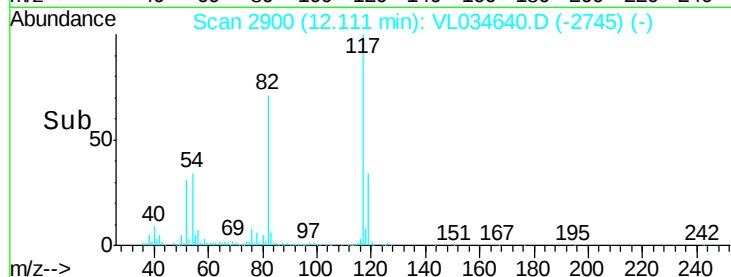
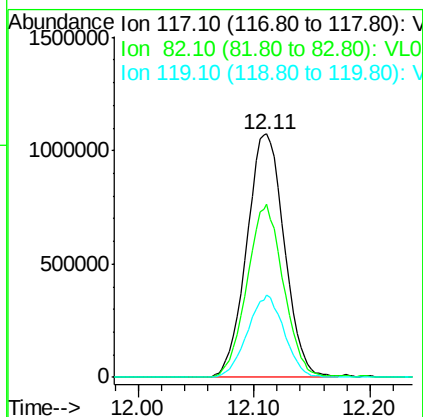
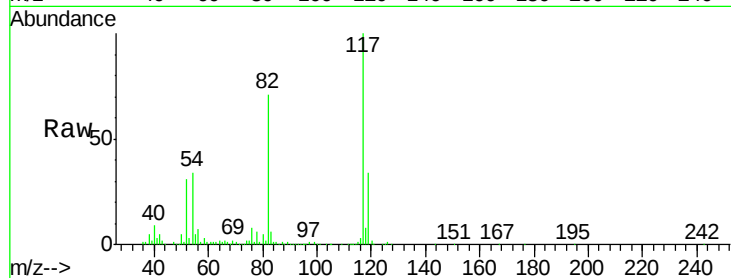
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.00 min
Lab File: VL034640.D
Acq: 19 Feb 2020 1:37

Instrument :
MSVOA_L
ClientSampled :
SS-1DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.3	54.2	81.4
119	33.2	26.1	39.1

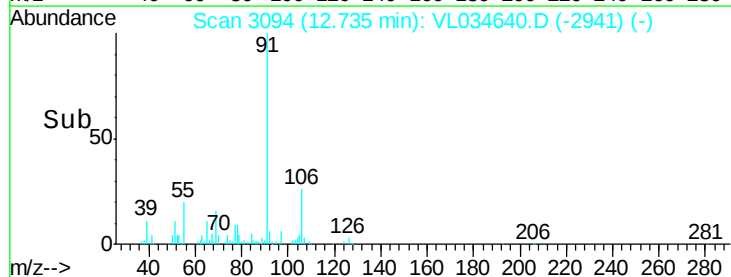
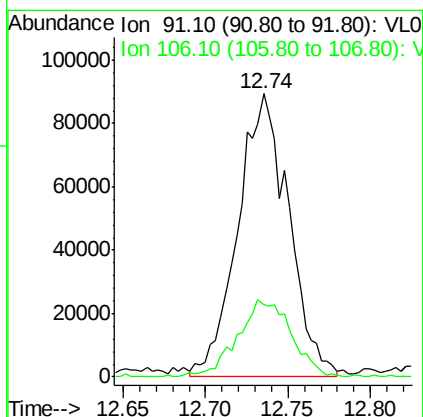
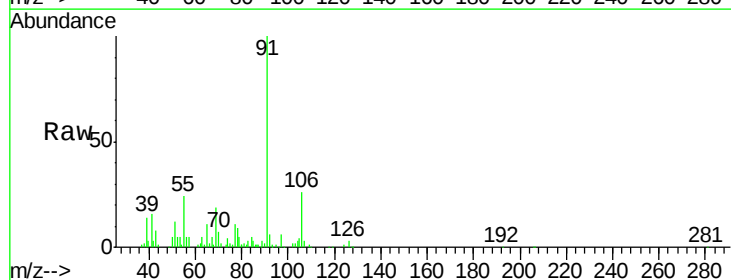
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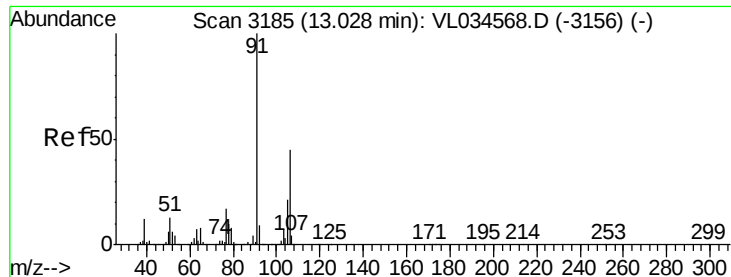
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#58
Ethyl Benzene
Concen: 0.589 ppbv m
RT: 12.74 min Scan# 3094
Delta R.T. -0.01 min
Lab File: VL034640.D
Acq: 19 Feb 2020 1:37

Tgt Ion	Ratio	Lower	Upper
91	100		
106	25.7	23.3	34.9





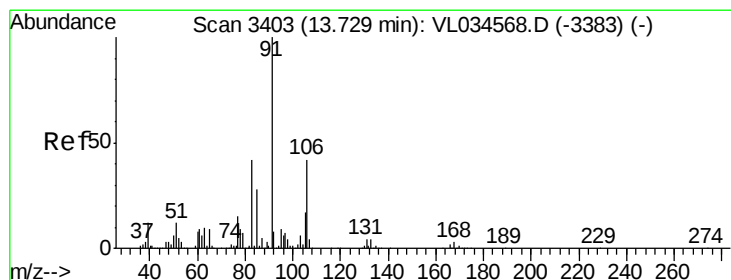
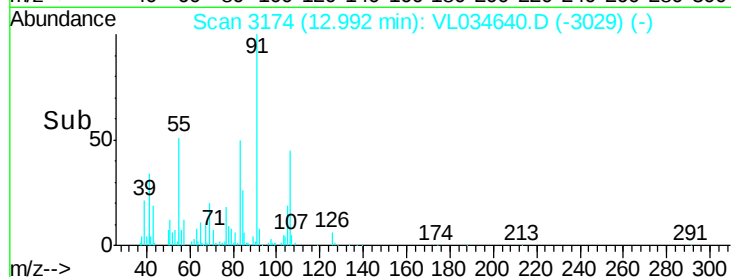
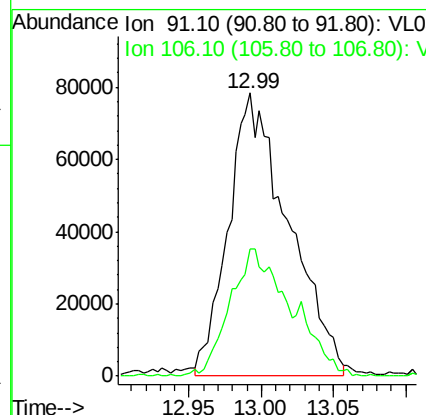
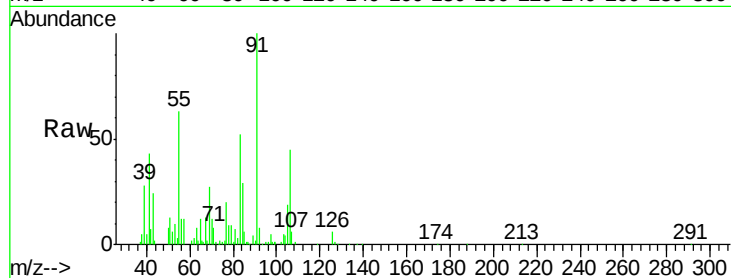
#59
m/p-Xylene
Concen: 0.792 ppbv m
RT: 12.99 min Scan# 3174
Delta R.T. -0.04 min
Lab File: VL034640.D
Acq: 19 Feb 2020 1:37

Instrument :
MSVOA_L
ClientSampled :
SS-1DL

Tot Ion: 91 Resp: 227097
Ion Ratio Lower Upper
91 100
106 45.7 35.3 52.9

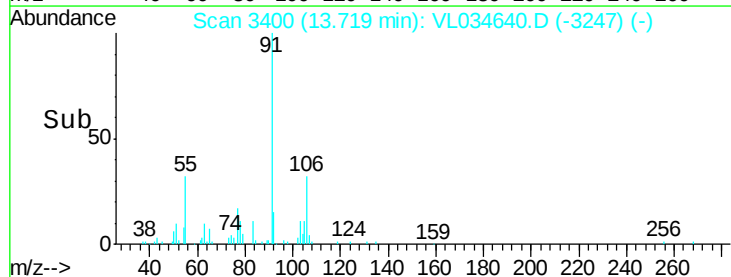
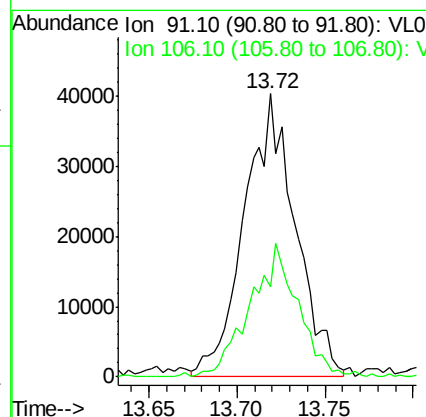
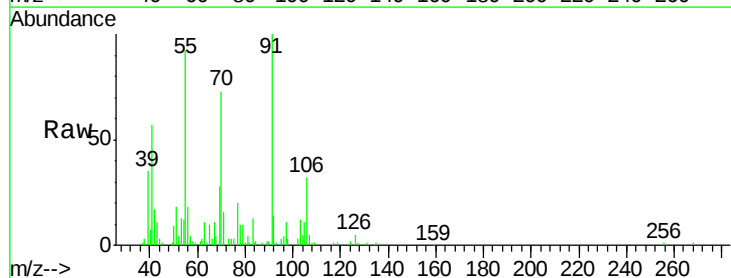
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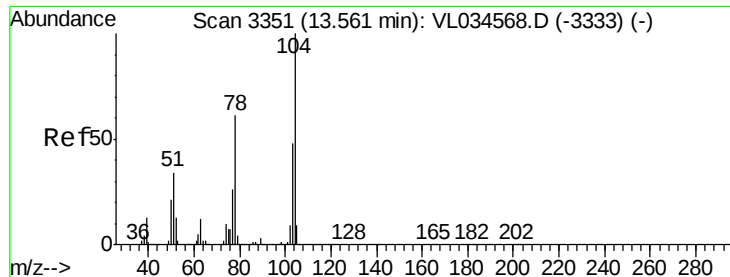
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#60
o-Xylene
Concen: 0.282 ppbv m
RT: 13.72 min Scan# 3400
Delta R.T. -0.01 min
Lab File: VL034640.D
Acq: 19 Feb 2020 1:37

Tgt Ion: 91 Resp: 81229
Ion Ratio Lower Upper
91 100
106 44.1 21.6 65.0





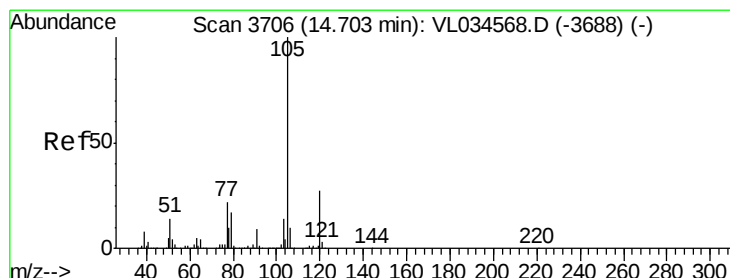
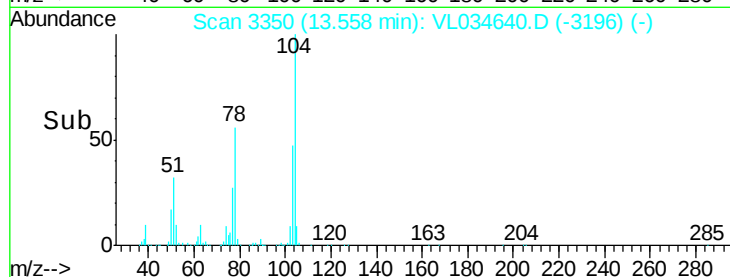
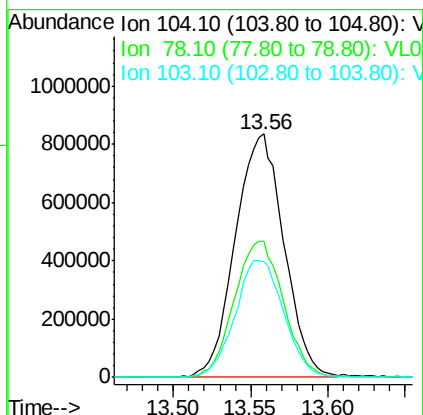
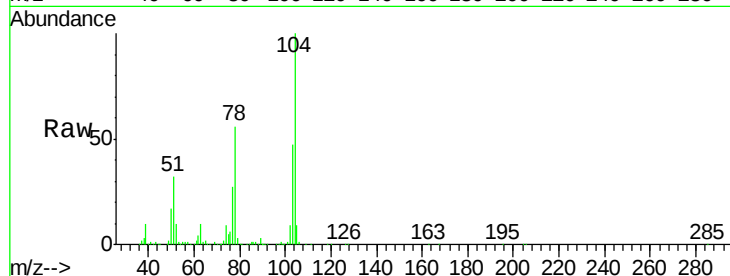
#61
Stvrene
Concen: 9.403 ppbv
RT: 13.56 min Scan# 3350
Delta R.T. -0.00 min
Lab File: VL034640.D
Acq: 19 Feb 2020 1:37

Instrument :
MSVOA_L
ClientSampled :
SS-1DL

Tot Ion	Ratio	Lower	Upper
104	100		
78	57.3	47.0	70.6
103	49.0	38.5	57.7

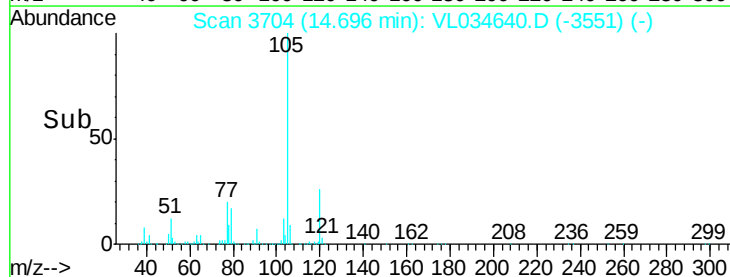
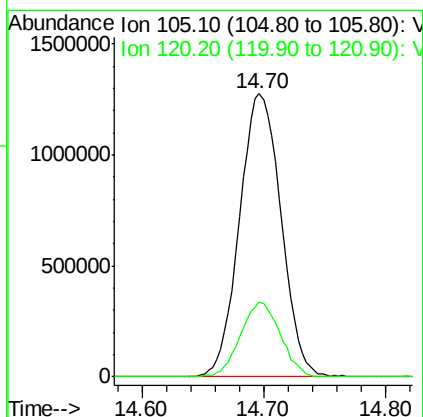
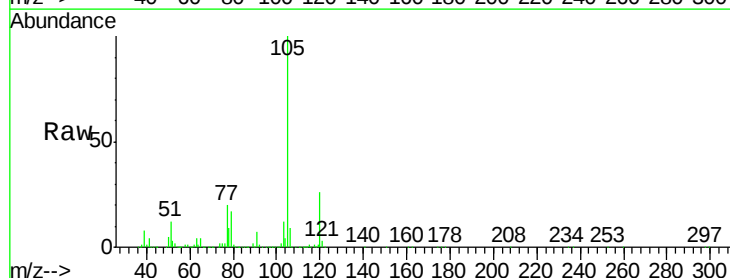
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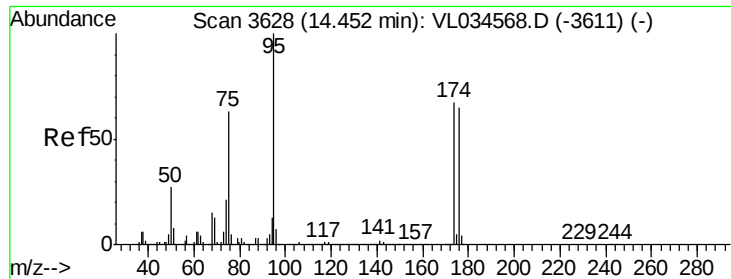
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#62
Isopropylbenzene
Concen: 8.061 ppbv
RT: 14.70 min Scan# 3704
Delta R.T. -0.01 min
Lab File: VL034640.D
Acq: 19 Feb 2020 1:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.7	31.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.907 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. -0.01 min
 Lab File: VL034640.D
 Acq: 19 Feb 2020 1:37

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	68.6	52.3	78.5
175	5.2	3.8	5.6

Manual Integrations
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