

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022620\
 Data File : VL034698.D
 Acq On : 26 Feb 2020 21:51
 Operator : SY/AP
 Sample : L1663-01DL2 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EP-104DL2

Manual Integrations
 APPROVED

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Quant Time: Feb 27 08:38:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 27 08:38:42 2020
 QLast Update : Wed Feb 26 06:58:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1019155	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2113026	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2075526	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1739889	10.22	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.58	45	75202m	5.178	ppbv	
15) Acetone	3.84	43	77581	0.668	ppbv	98
17) tert-Butyl alcohol	4.29	59	14702m	0.165	ppbv	
19) Isopropyl Alcohol	3.96	45	136855	1.978	ppbv #	96
20) Methylene Chloride	4.33	84	13271	0.307	ppbv #	76
26) Hexane	5.68	57	9738	0.103	ppbv #	48
53) Toluene	9.84	91	18729	0.096	ppbv	94

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

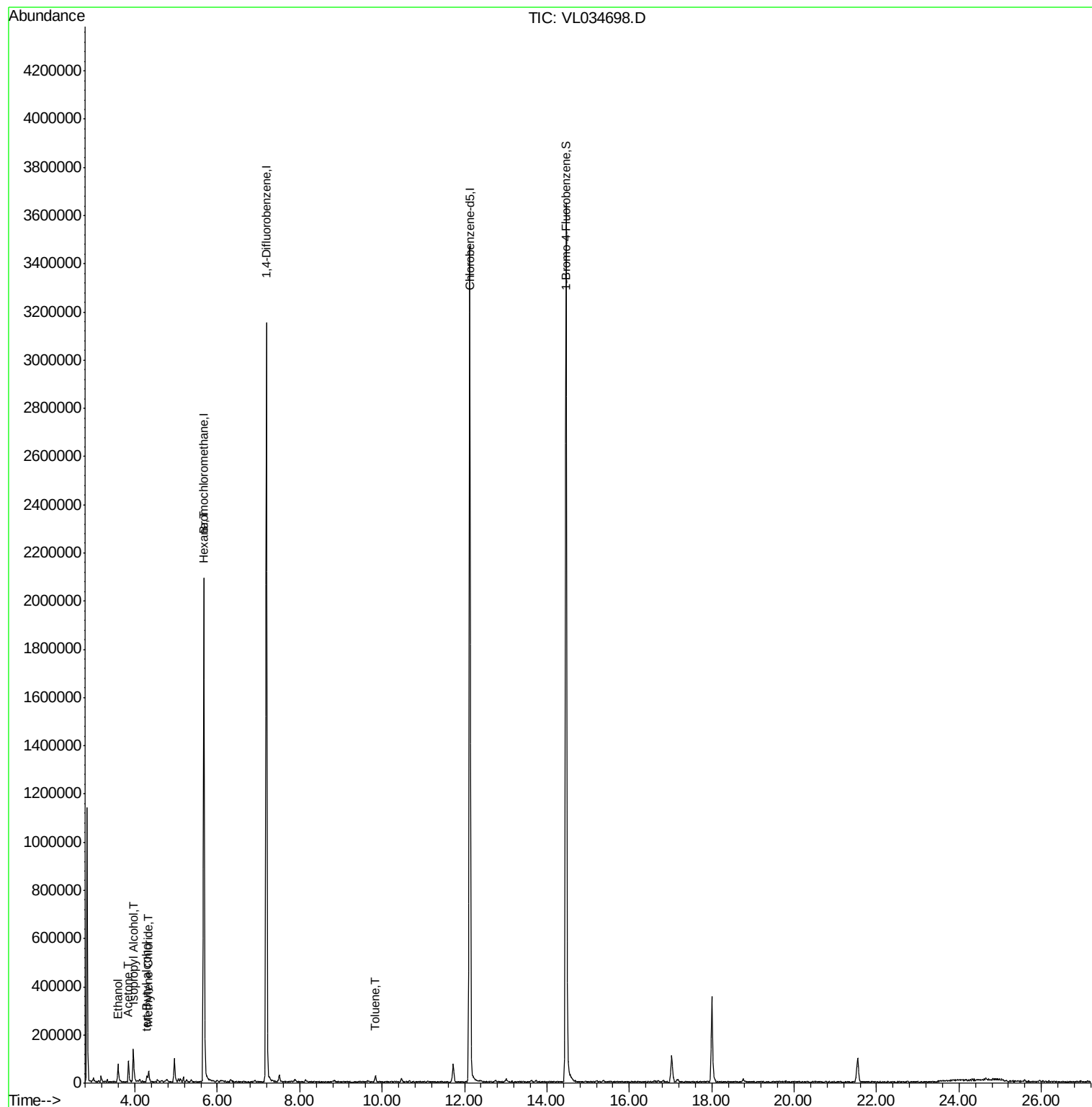
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL022620\
Data File : VL034698.D
Acq On : 26 Feb 2020 21:51
Operator : SY/AP
Sample : L1663-01DL2 40X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

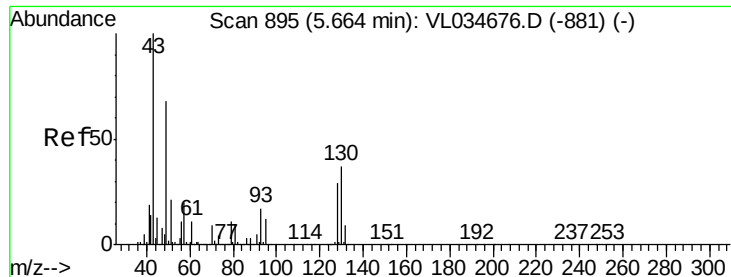
Instrument :
MSVOA_L
ClientSampleId :
EP-104DL2

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Quant Time: Feb 27 08:38:42 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb
QLast Update : Wed Feb 26 06:58:15 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.01 min

Lab File: VL034698.D

Acq: 26 Feb 2020 21:51

Instrument :

MSVOA_L

ClientSampleId :

EP-104DL2

Tot Ion: 49 Resp: 1019155

Ion Ratio Lower Upper

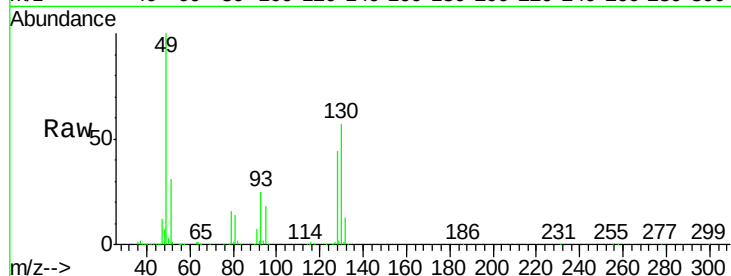
49 100

128 44.1 21.6 65.0

130 56.9 27.7 83.1

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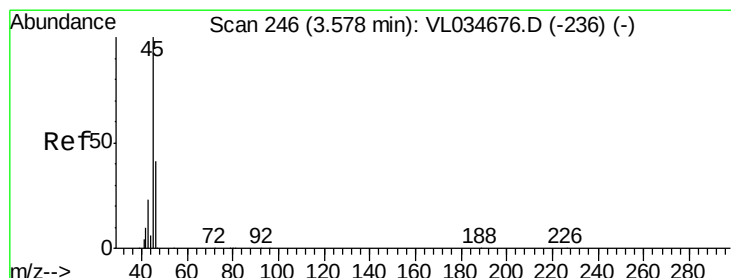
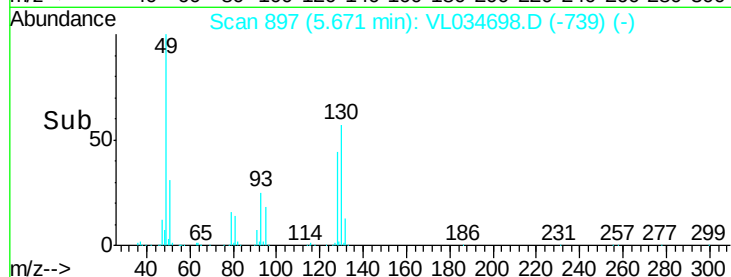
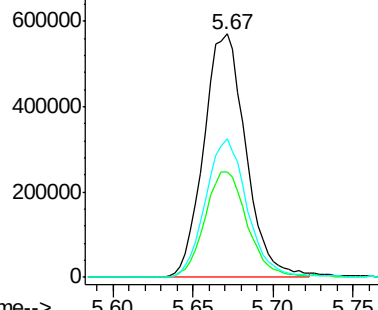
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#13

Ethanol

Concen: 5.178 ppbv m

RT: 3.58 min Scan# 248

Delta R.T. 0.01 min

Lab File: VL034698.D

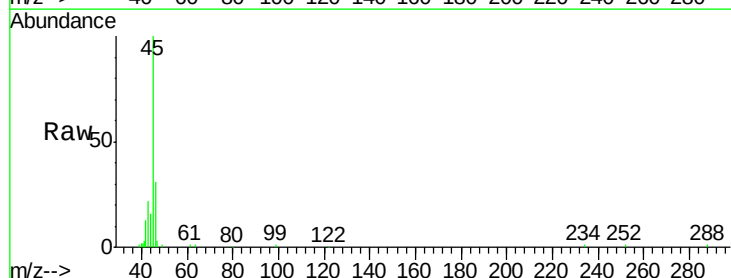
Acq: 26 Feb 2020 21:51

Tgt Ion: 45 Resp: 75202

Ion Ratio Lower Upper

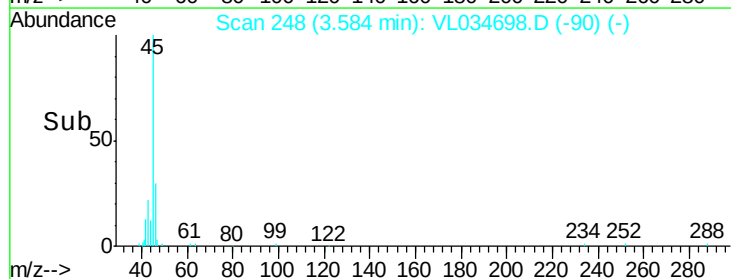
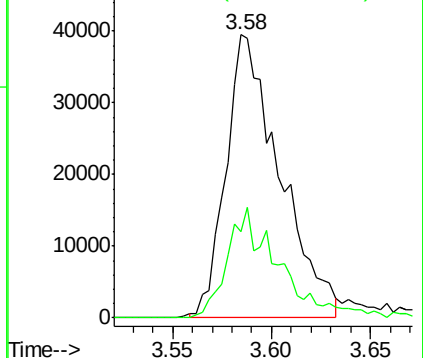
45 100

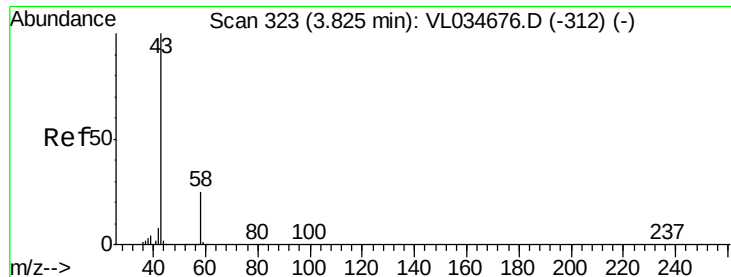
46 38.4 15.4 61.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.668 ppbv

RT: 3.84 min Scan# 329

Delta R.T. 0.02 min

Lab File: VL034698.D

Acq: 26 Feb 2020 21:51

Instrument :

MSVOA_L

ClientSampleId :

EP-104DL2

Tot Ion: 43 Resp: 77581

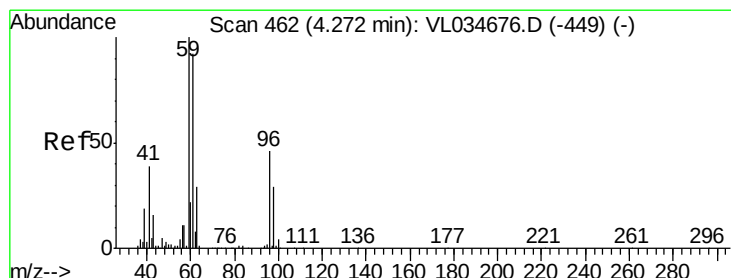
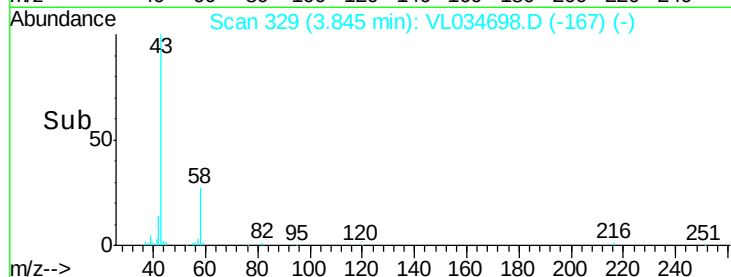
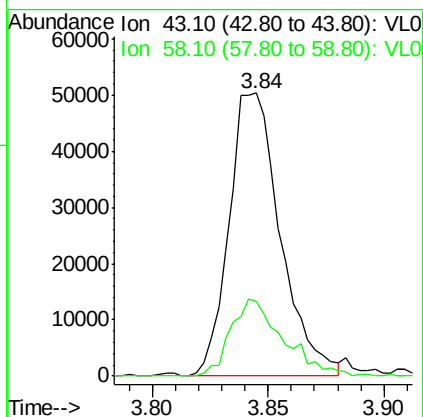
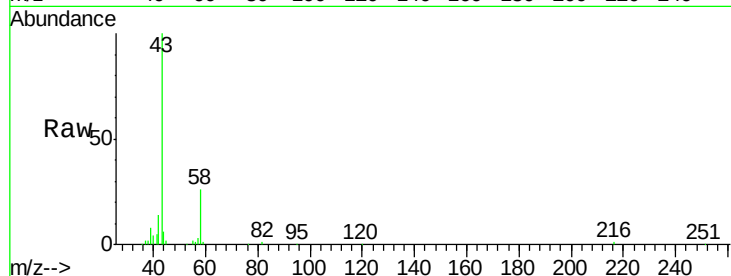
Ion Ratio Lower Upper

43 100

58 27.9 21.4 32.0

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#17

tert-Butyl alcohol

Concen: 0.165 ppbv m

RT: 4.29 min Scan# 467

Delta R.T. 0.02 min

Lab File: VL034698.D

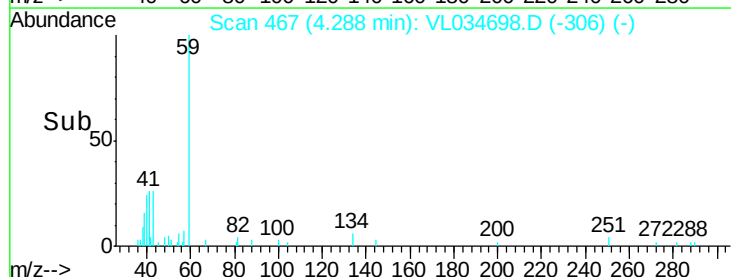
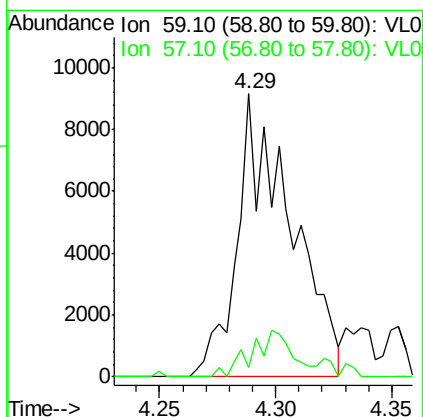
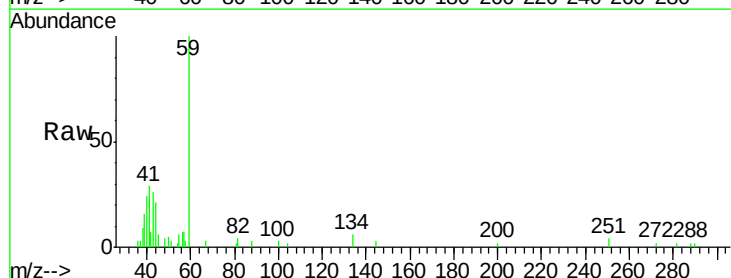
Acq: 26 Feb 2020 21:51

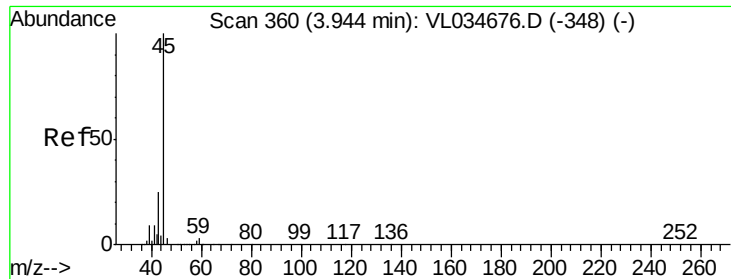
Tgt Ion: 59 Resp: 14702

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#





#19

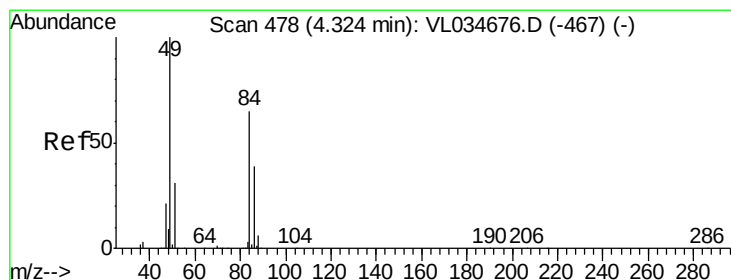
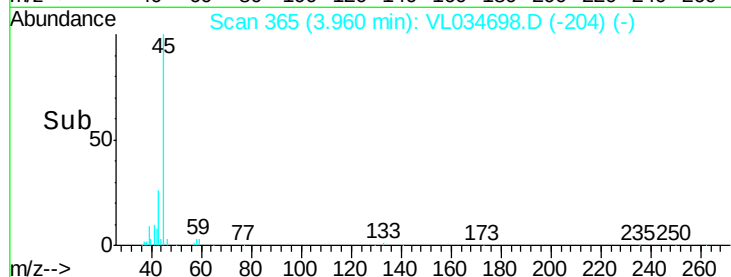
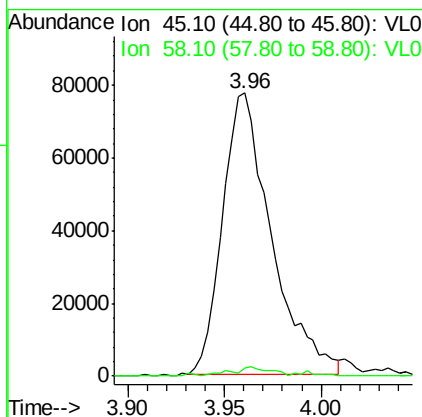
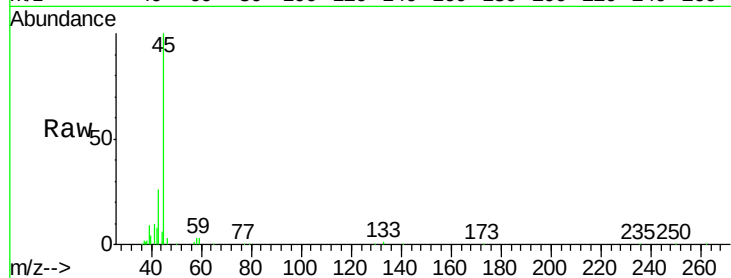
Isopropyl Alcohol
 Concen: 1.978 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. 0.02 min
 Lab File: VL034698.D
 Acq: 26 Feb 2020 21:51

Instrument :
 MSVOA_L
 ClientSampleId :
 EP-104DL2

Tot Ion	Ratio	Lower	Upper
45	100		
58	3.5	1.8	2.6#

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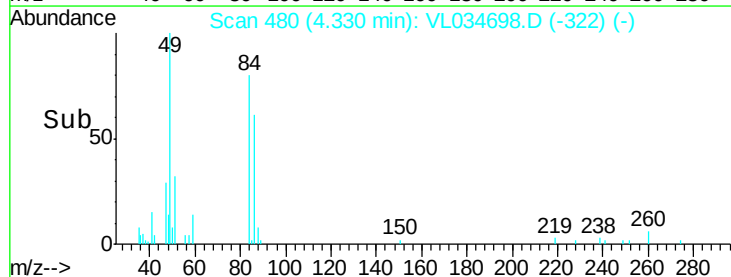
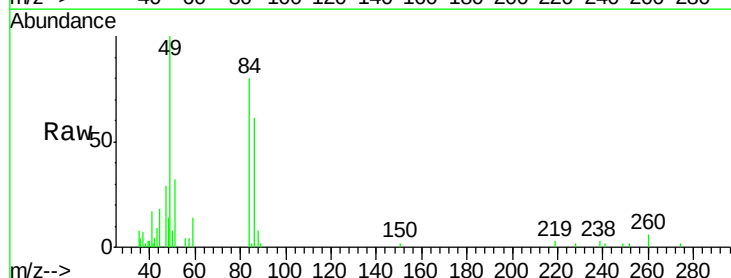
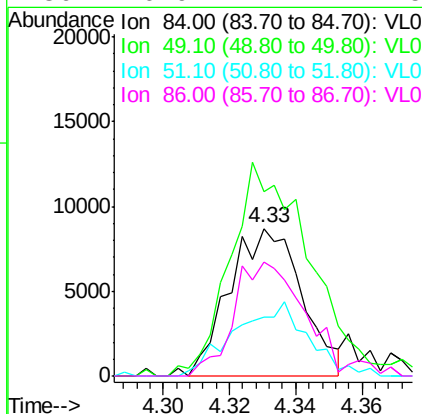
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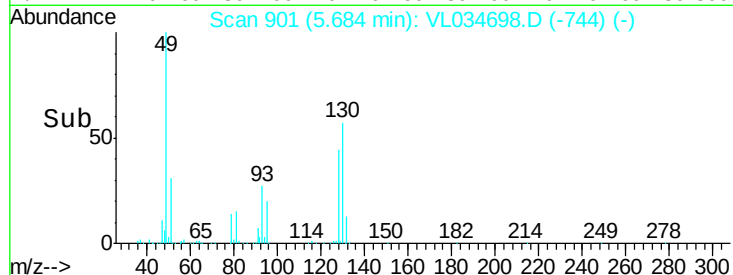
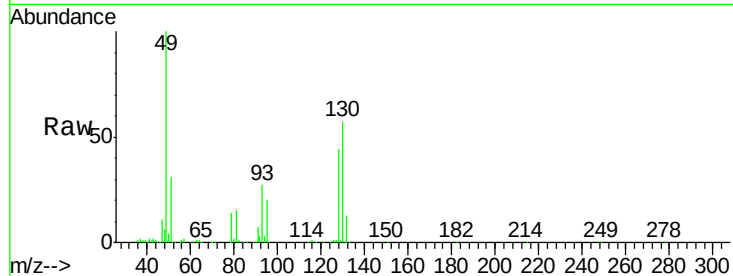
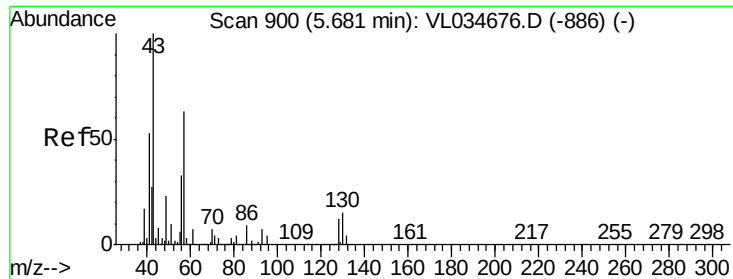


#20

Methylene Chloride
 Concen: 0.307 ppbv
 RT: 4.33 min Scan# 480
 Delta R.T. 0.01 min
 Lab File: VL034698.D
 Acq: 26 Feb 2020 21:51

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.8	122.8	184.2#
51	37.1	38.6	58.0#
86	76.9	47.7	71.5#





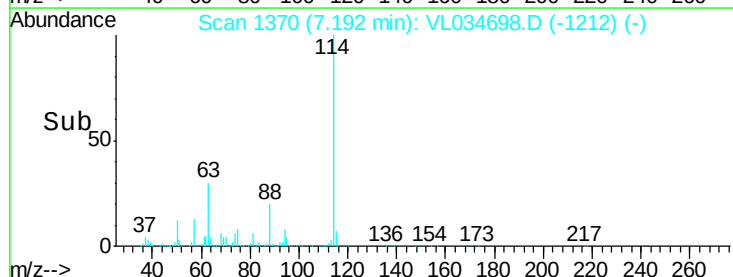
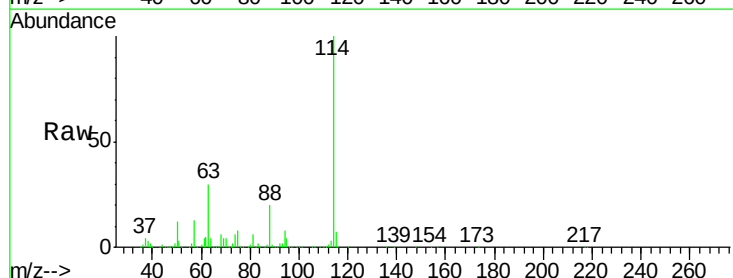
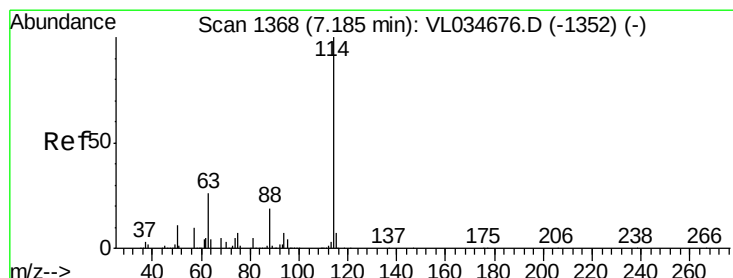
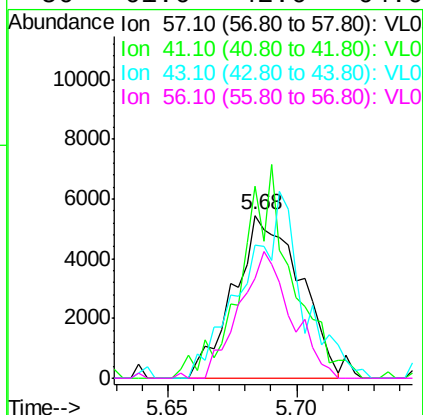
#26
Hexane
Concen: 0.103 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL034698.D
Acq: 26 Feb 2020 21:51

Tot Ion	Ratio	Lower	Upper
57	100		
41	105.4	70.3	105.5
43	101.1	177.0	265.4#
56	61.6	42.6	64.0

Instrument :
MSVOA_L
ClientSampled :
EP-104DL2

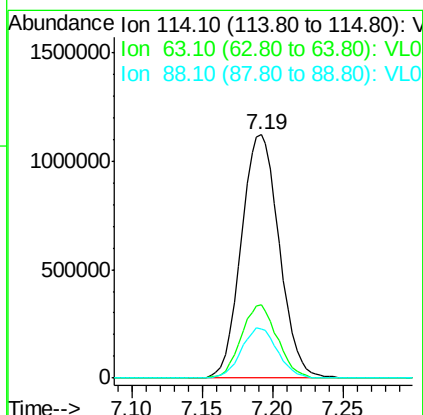
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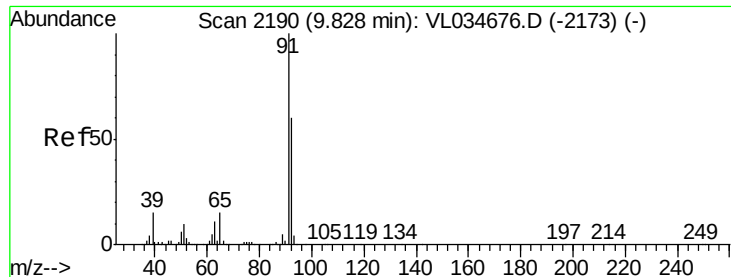
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1370
Delta R.T. 0.01 min
Lab File: VL034698.D
Acq: 26 Feb 2020 21:51

Tgt Ion	Ratio	Lower	Upper
114	100		
63	29.0	22.9	34.3
88	19.8	15.8	23.6





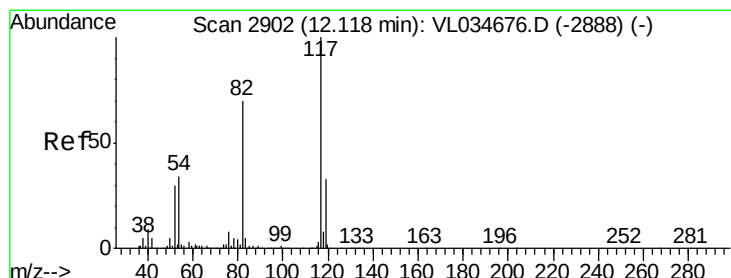
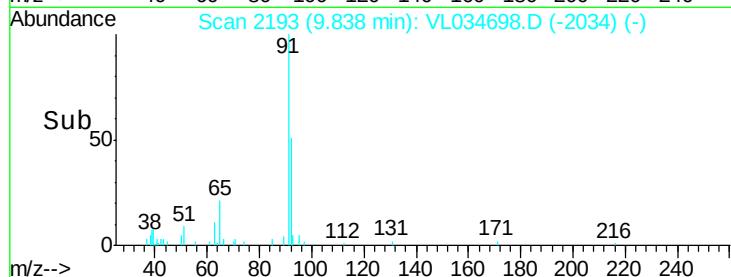
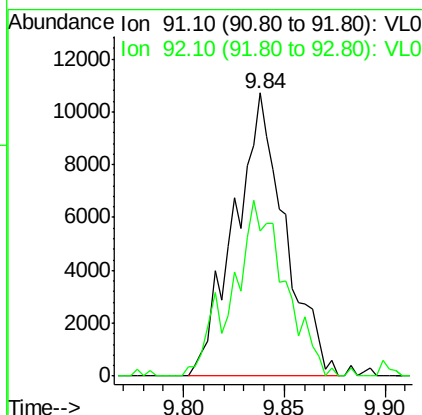
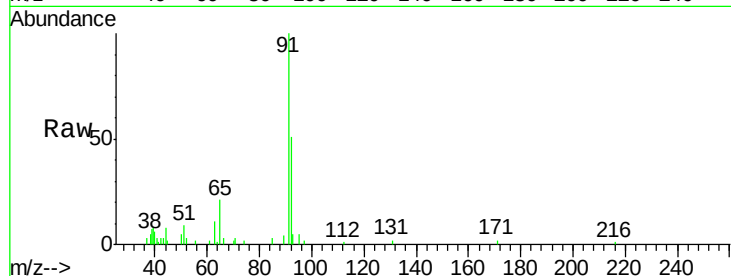
#53
Toluene
Concen: 0.096 ppbv
RT: 9.84 min Scan# 2193
Delta R.T. 0.01 min
Lab File: VL034698.D
Acq: 26 Feb 2020 21:51

Instrument :
MSVOA_L
ClientSampleId :
EP-104DL2

Tot Ion: 91 Resp: 18729
Ion Ratio Lower Upper
91 100
92 64.8 48.5 72.7

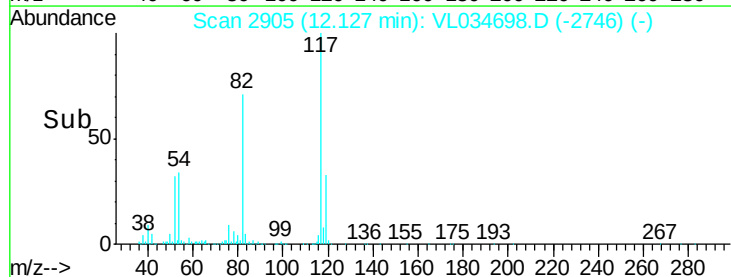
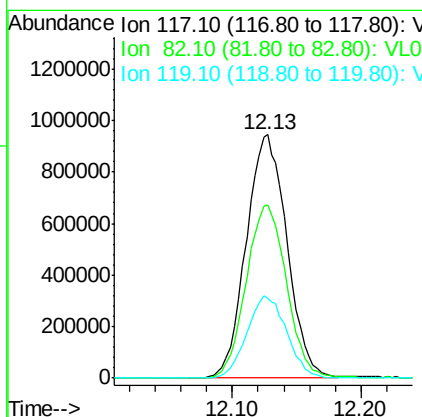
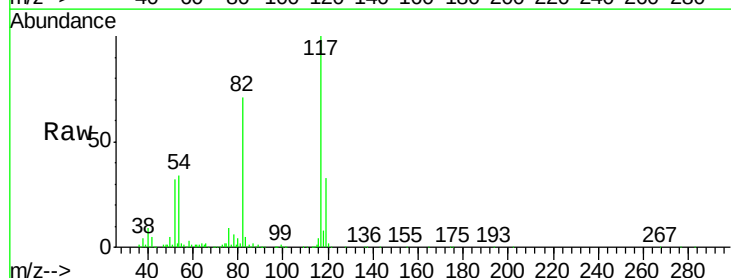
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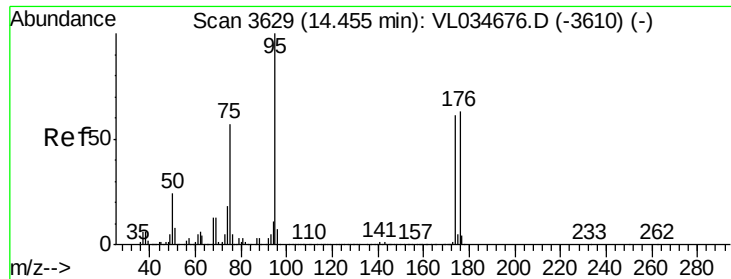
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. 0.01 min
Lab File: VL034698.D
Acq: 26 Feb 2020 21:51

Tgt Ion: 117 Resp: 2075526
Ion Ratio Lower Upper
117 100
82 71.3 54.1 81.1
119 33.1 27.6 41.4





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.223 ppbv
 RT: 14.46 min Scan# 3632
 Delta R.T. 0.01 min
 Lab File: VL034698.D
 Acq: 26 Feb 2020 21:51

Instrument :
 MSVOA_L
 ClientSampleId :
 EP-104DL2

Tot Ion: 95 Resp: 1739889
 Ion Ratio Lower Upper
 95 100
 174 63.1 50.7 76.1
 175 4.8 3.9 5.9

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