

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022620\
 Data File : VL034700.D
 Acq On : 26 Feb 2020 23:14
 Operator : SY/AP
 Sample : L1663-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EP-103DL

Manual Integrations
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Quant Time: Feb 27 16:06:18 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 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	5.68	49	1064767	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.20	114	2207693	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.13	117	2210805	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.47	95	1811698	9.99	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.59	45	2427631	159.987	ppbv	98
15) Acetone	3.84	43	396280	3.266	ppbv	99
17) tert-Butyl alcohol	4.30	59	79455	0.855	ppbv	99
19) Isopropyl Alcohol	3.97	45	883111	12.220	ppbv #	98
34) 2-Butanone	5.25	43	44482	0.320	ppbv	97
53) Toluene	9.84	91	141236	0.696	ppbv	97
59) m/p-Xylene	13.02	91	94809m	0.406	ppbv	
69) p-Isopropyltoluene	17.72	119	52900m	0.153	ppbv	

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

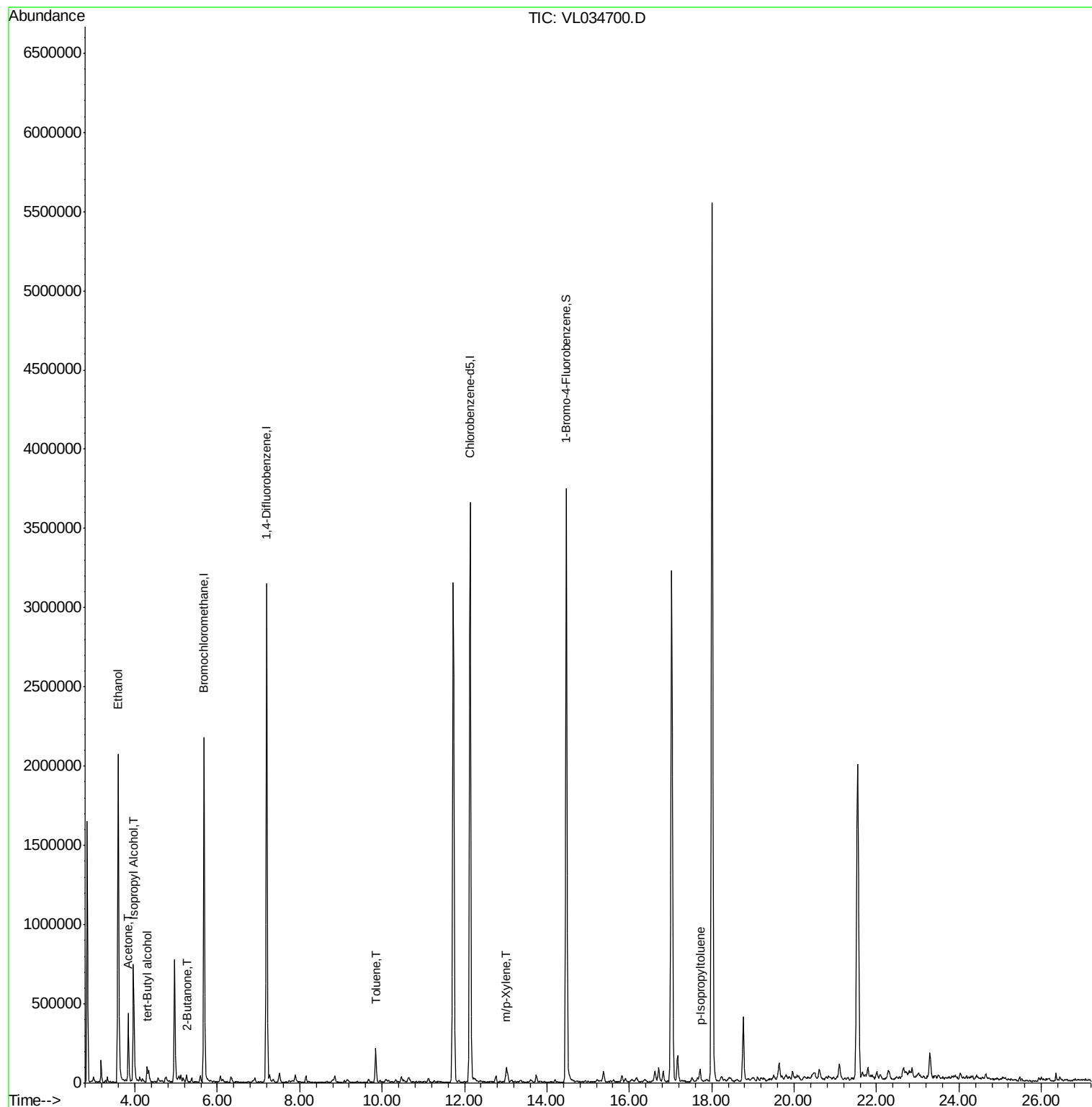
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL022620\
Data File : VL034700.D
Acq On : 26 Feb 2020 23:14
Operator : SY/AP
Sample : L1663-02DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

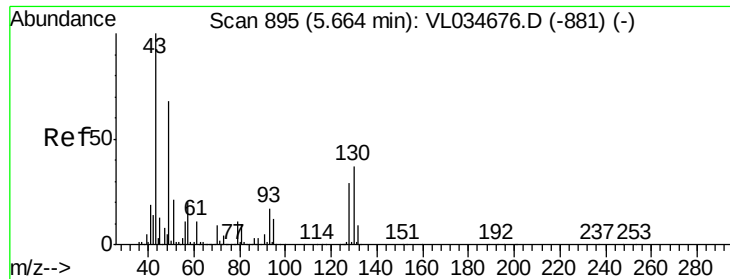
Instrument :
MSVOA_L
ClientSampleId :
EP-103DL

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Quant Time: Feb 27 16:06:18 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

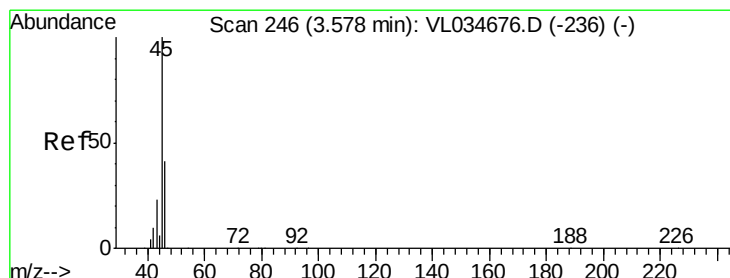
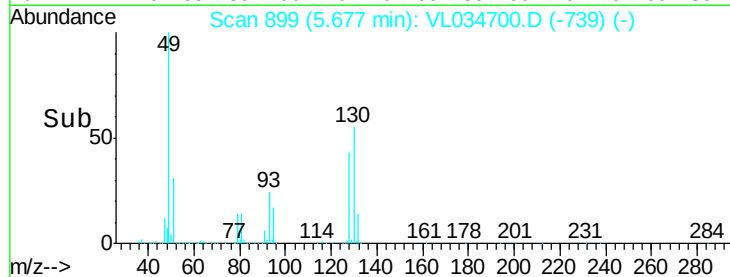
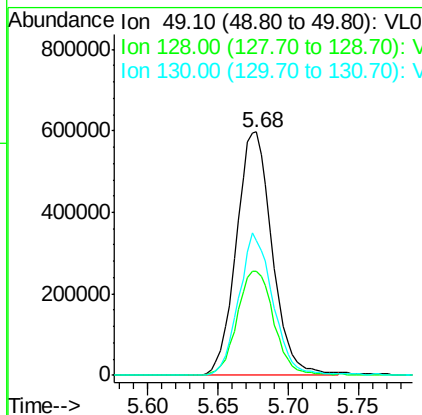
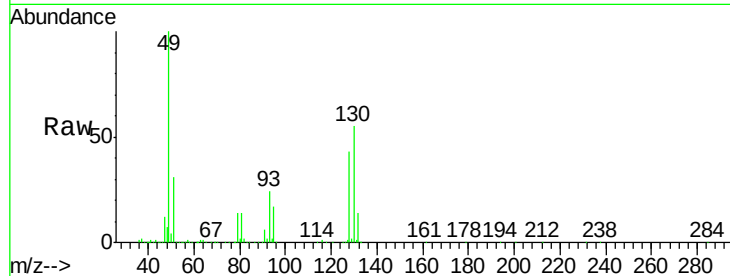
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.68 min Scan# 899
 Delta R.T. 0.01 min
 Lab File: VL034700.D
 Acq: 26 Feb 2020 23:14

Instrument :
 MSVOA_L
 ClientSampled :
 EP-103DL

Tot Ion	Ratio	Lower	Upper
49	100		
128	44.0	21.6	65.0
130	56.2	27.7	83.1

Manual Integrations
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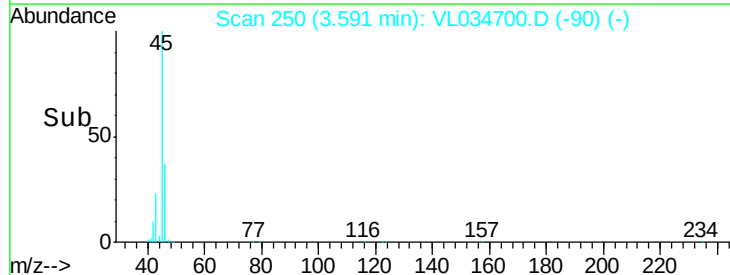
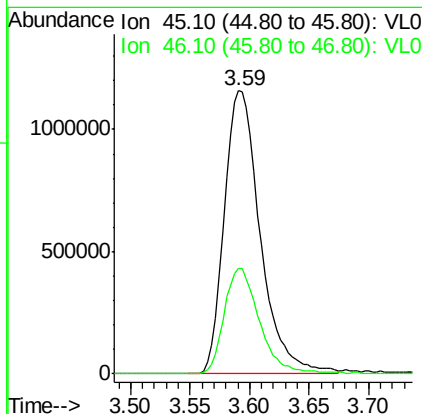
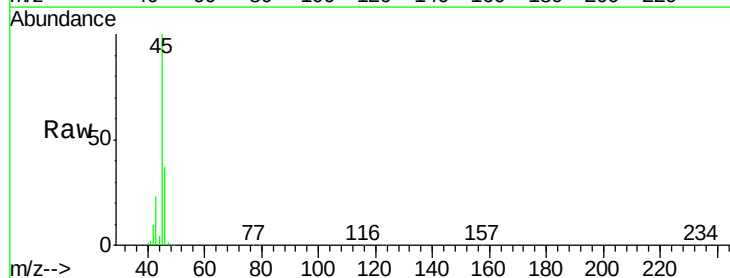
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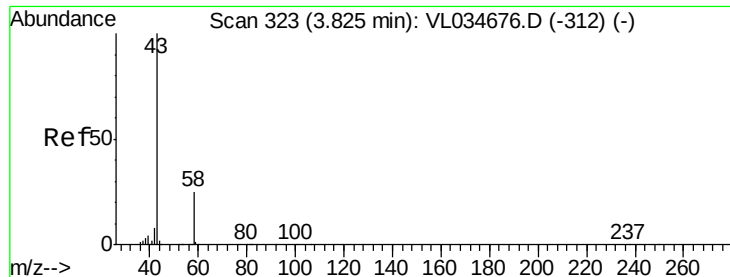


#13

Ethanol
 Concen: 159.987 ppbv
 RT: 3.59 min Scan# 250
 Delta R.T. 0.01 min
 Lab File: VL034700.D
 Acq: 26 Feb 2020 23:14

Tgt Ion	Ratio	Lower	Upper
45	100		
46	37.0	15.4	61.4





#15

Acetone

Concen: 3.266 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.01 min

Lab File: VL034700.D

Acq: 26 Feb 2020 23:14

Instrument :

MSVOA_L

ClientSampleId :

EP-103DL

Tot Ion: 43 Resp: 396280

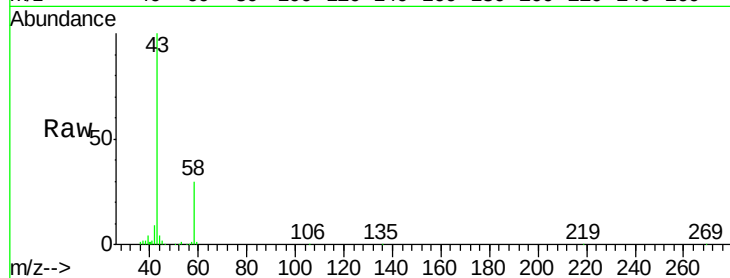
Ion Ratio Lower Upper

43 100

58 27.4 21.4 32.0

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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

250000

200000

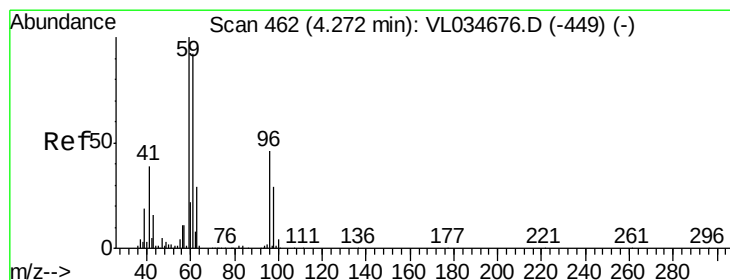
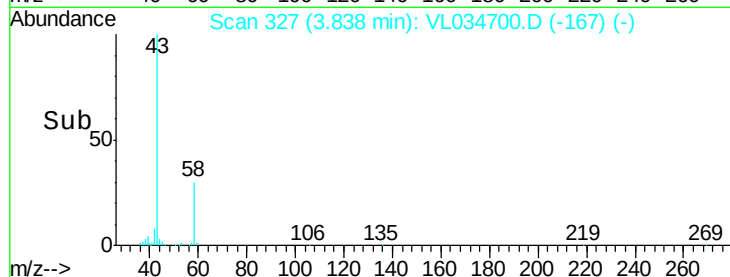
150000

100000

50000

0

Time-->



#17

tert-Butyl alcohol

Concen: 0.855 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.03 min

Lab File: VL034700.D

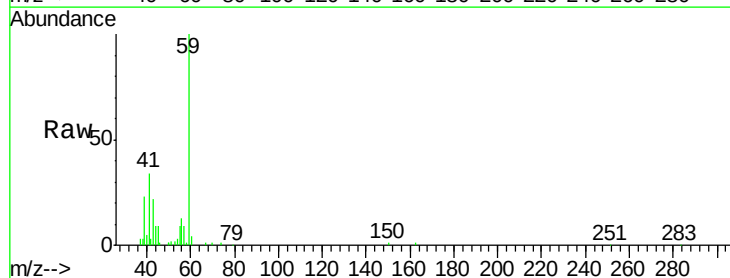
Acq: 26 Feb 2020 23:14

Tgt Ion: 59 Resp: 79455

Ion Ratio Lower Upper

59 100

57 11.3 8.8 13.2



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.30

40000

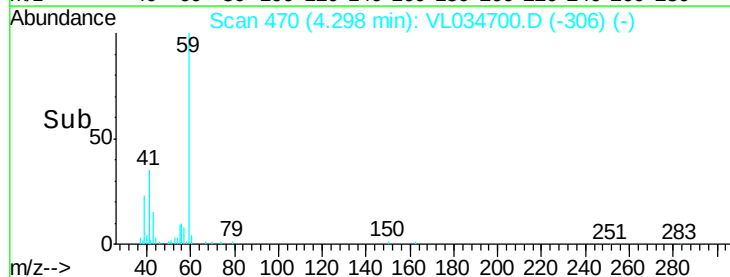
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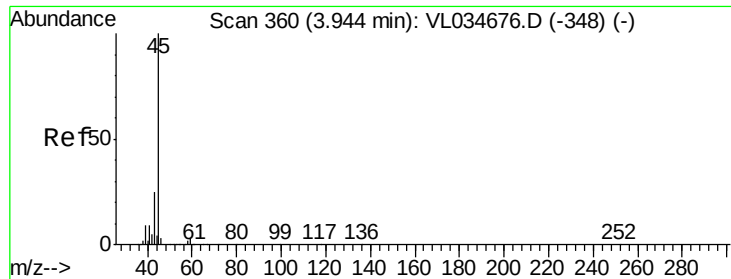
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Time-->





#19

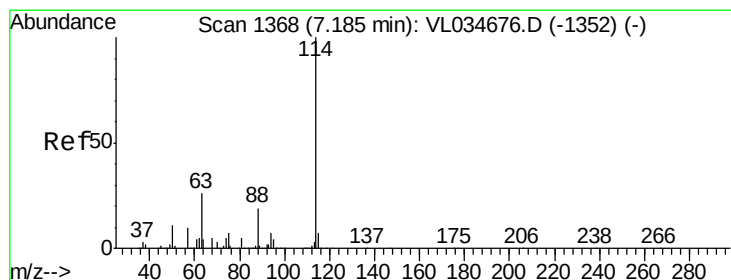
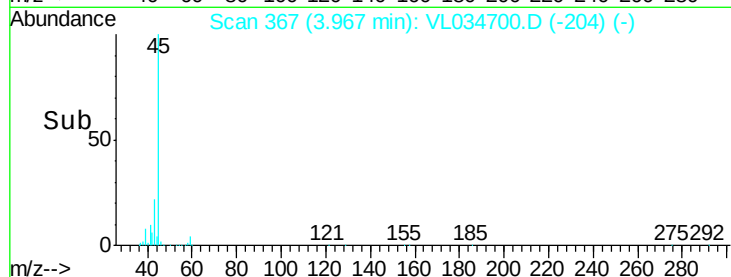
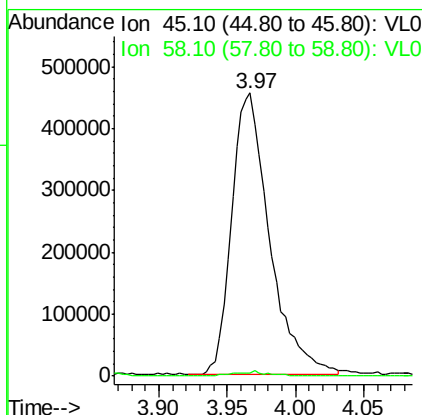
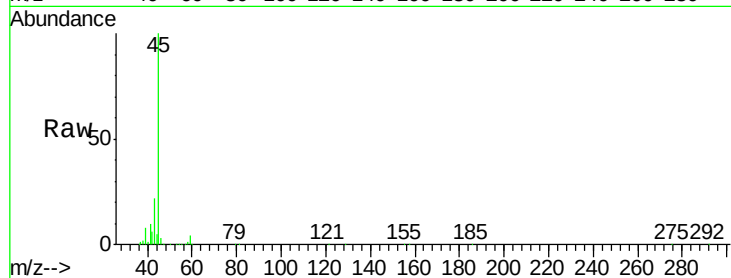
Isopropyl Alcohol
 Concen: 12.220 ppbv
 RT: 3.97 min Scan# 367
 Delta R.T. 0.02 min
 Lab File: VL034700.D
 Acq: 26 Feb 2020 23:14

Instrument :
 MSVOA_L
 ClientSampleId :
 EP-103DL

Tot Ion	Ratio	Lower	Upper
45	100		
58	1.7	1.8	2.6#

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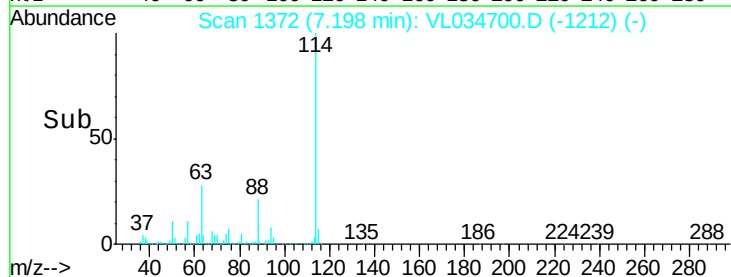
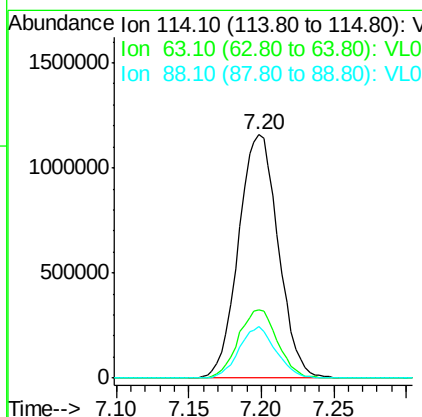
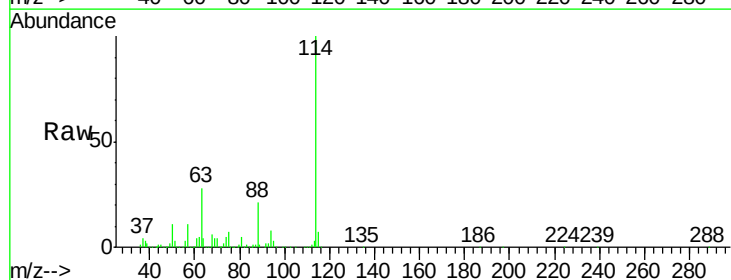
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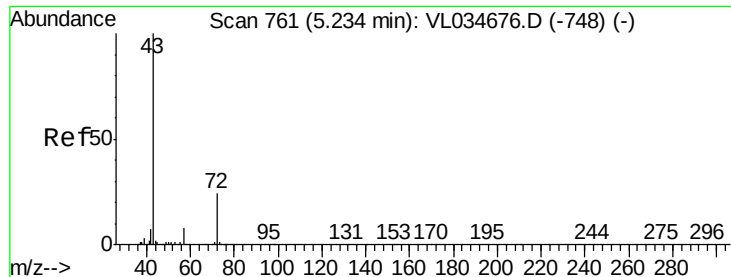


#33

1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1372
 Delta R.T. 0.01 min
 Lab File: VL034700.D
 Acq: 26 Feb 2020 23:14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	27.8	22.9	34.3
88	19.7	15.8	23.6





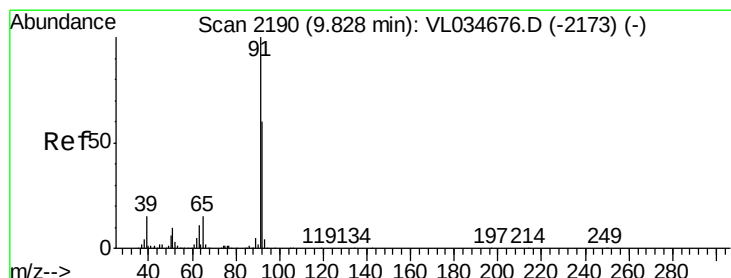
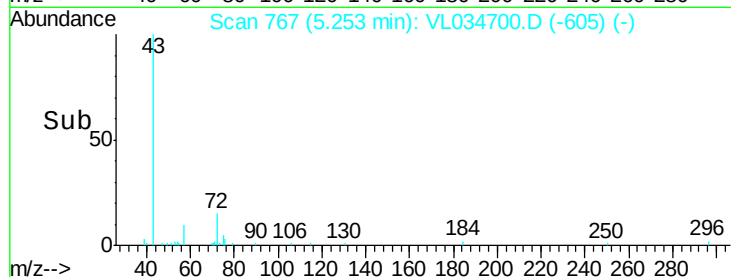
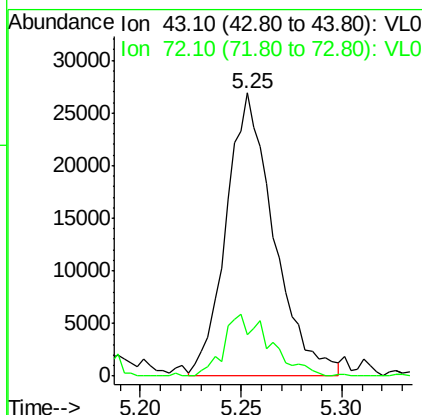
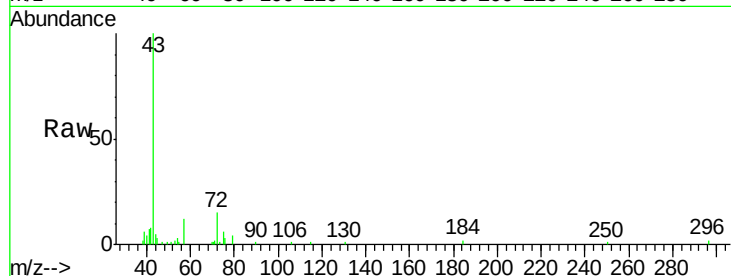
#34
2-Butanone
Concen: 0.320 ppbv
RT: 5.25 min Scan# 767
Delta R.T. 0.02 min
Lab File: VL034700.D
Acq: 26 Feb 2020 23:14

Instrument :
MSVOA_L
ClientSampleId :
EP-103DL

Tot Ion	Ratio	Lower	Upper
43	100		
72	21.2	18.2	27.2

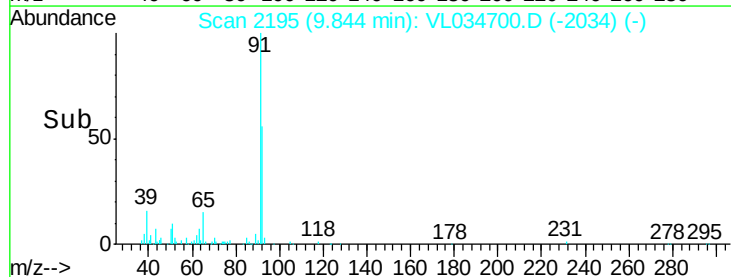
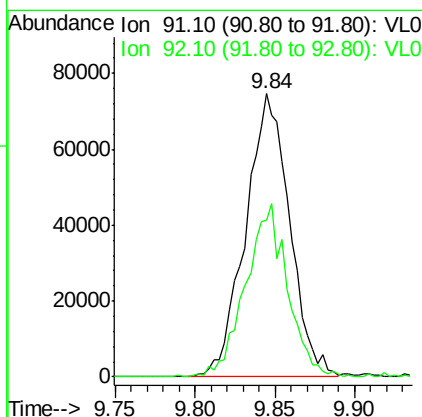
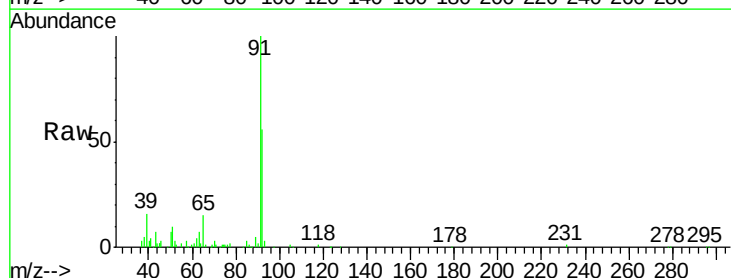
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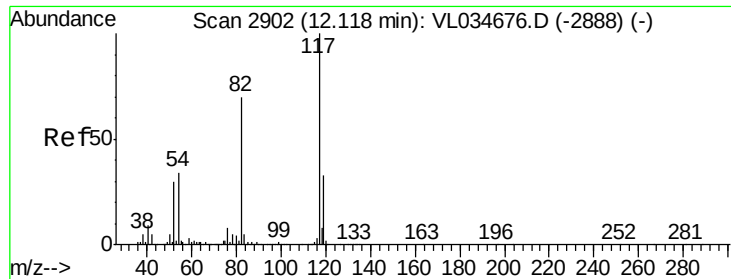
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#53
Toluene
Concen: 0.696 ppbv
RT: 9.84 min Scan# 2195
Delta R.T. 0.02 min
Lab File: VL034700.D
Acq: 26 Feb 2020 23:14

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.2	48.5	72.7





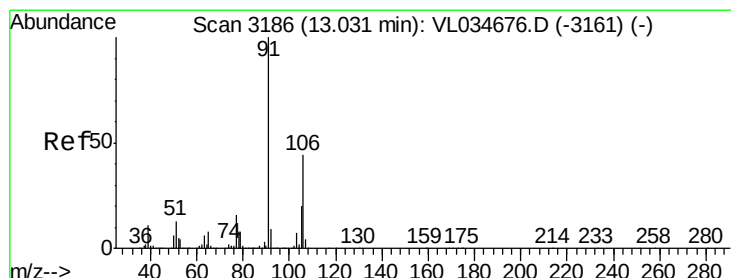
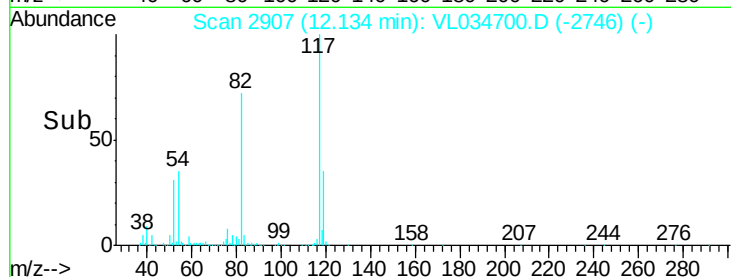
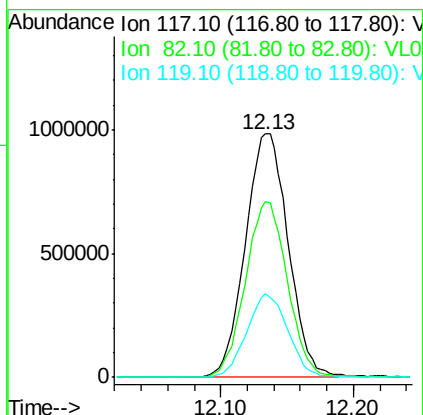
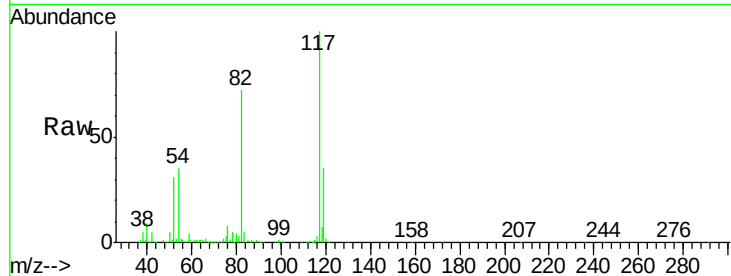
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. 0.02 min
Lab File: VL034700.D
Acq: 26 Feb 2020 23:14

Instrument :
MSVOA_L
ClientSampleId :
EP-103DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	70.8	54.1	81.1
119	33.1	27.6	41.4

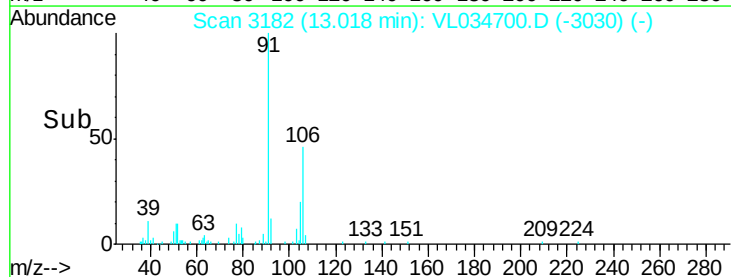
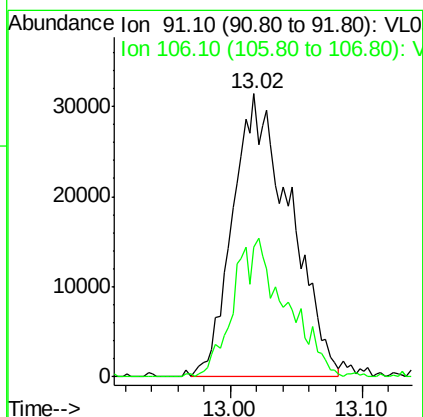
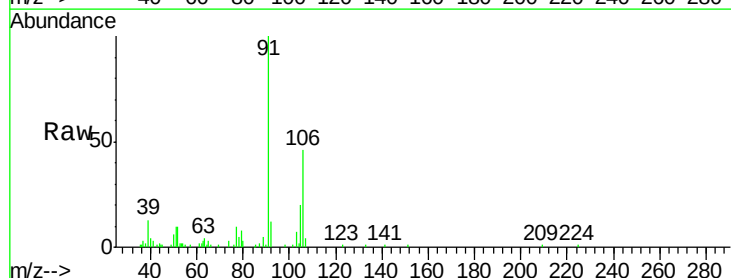
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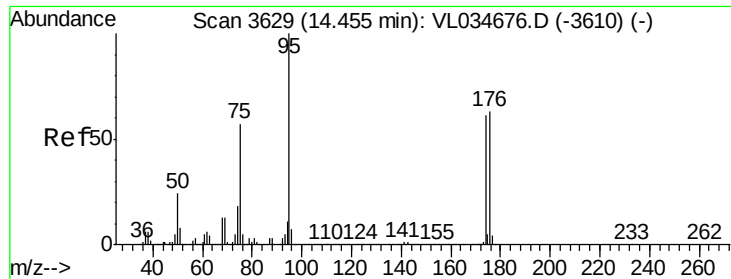
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#59
m/p-Xylene
Concen: 0.406 ppbv m
RT: 13.02 min Scan# 3182
Delta R.T. -0.01 min
Lab File: VL034700.D
Acq: 26 Feb 2020 23:14

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.6	53.4#





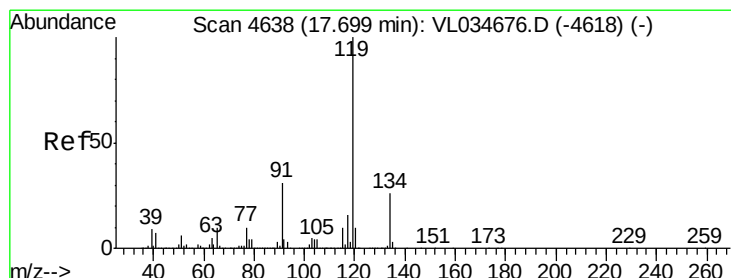
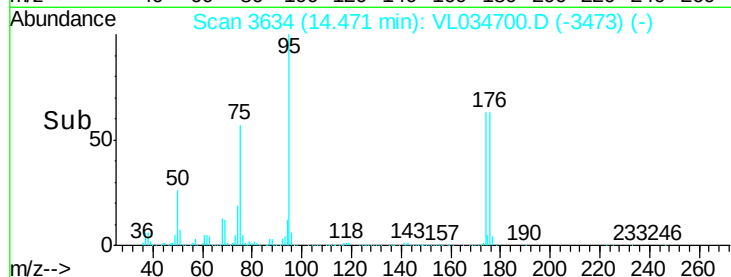
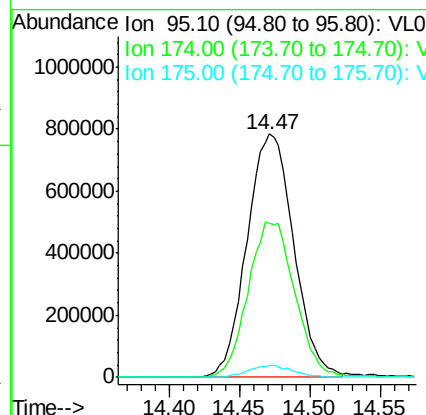
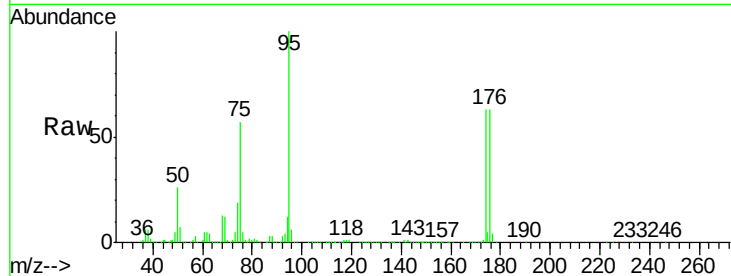
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.994 ppbv
 RT: 14.47 min Scan# 3634
 Delta R.T. 0.02 min
 Lab File: VL034700.D
 Acq: 26 Feb 2020 23:14

Instrument :
 MSVOA_L
 ClientSampled :
 EP-103DL

Tot Ion: 95 Resp: 1811698
 Ion Ratio Lower Upper
 95 100
 174 64.7 50.7 76.1
 175 4.8 3.9 5.9

Manual Integrations
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#69
 p-Isopropyltoluene
 Concen: 0.153 ppbv m
 RT: 17.72 min Scan# 4643
 Delta R.T. 0.02 min
 Lab File: VL034700.D
 Acq: 26 Feb 2020 23:14

Tgt Ion: 119 Resp: 52900
 Ion Ratio Lower Upper
 119 100
 134 0.0 20.6 31.0#
 91 0.0 25.3 37.9#

