

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL120820\
 Data File : VL036100.D
 Acq On : 8 Dec 2020 18:28
 Operator : SY/AP
 Sample : L4949-02DL2 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-3DL2

Manual Integrations
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Quant Time: Dec 09 22:22:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 0
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1274302	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2631471	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2360960	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1980241	10.56	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.85	43	693129	4.526	ppbv	99
19) Isopropyl Alcohol	3.98	45	217538m	2.324	ppbv	
25) Ethyl Acetate	5.69	43	477340	1.560	ppbv #	89
53) Toluene	9.82	91	2329492	9.302	ppbv	99
58) Ethyl Benzene	12.73	91	88790	0.274	ppbv	96
59) m/p-Xylene	12.99	91	244111m	0.896	ppbv	
60) o-Xylene	13.71	91	77690	0.303	ppbv	99

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

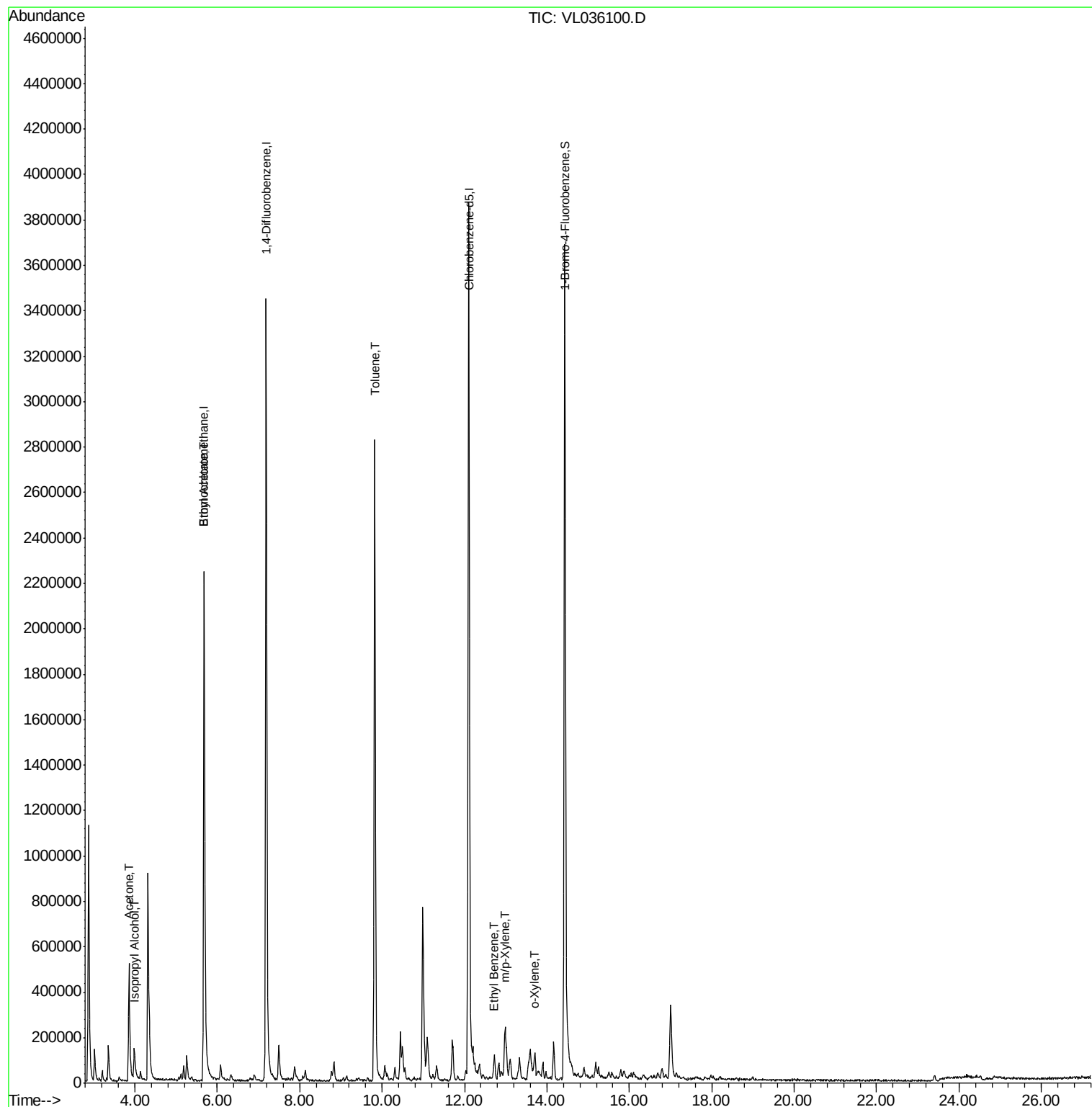
Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL120820\
Data File : VL036100.D
Acq On : 8 Dec 2020 18:28
Operator : SY/AP
Sample : L4949-02DL2 40X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

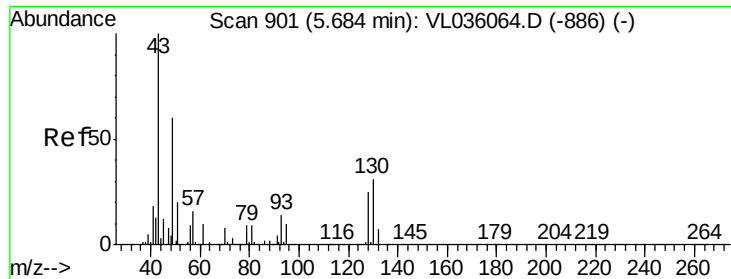
Instrument :
MSVOA_L
ClientSampleId :
IA-3DL2

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Quant Time: Dec 09 22:22:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

Lab File: VL036100.D

Acq: 8 Dec 2020 18:28

Instrument :

MSVOA_L

ClientSampled :

IA-3DL2

Tot Ion: 49 Resp: 1274302

Ion Ratio Lower Upper

49 100

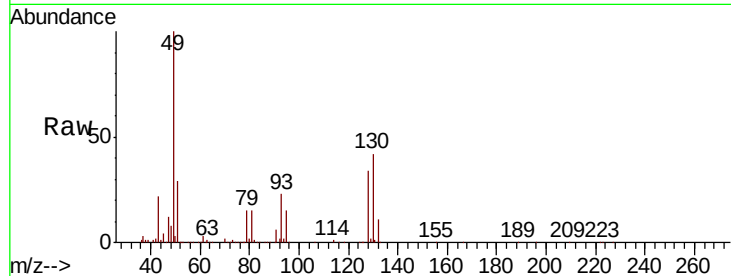
128 36.6 21.1 63.1

130 47.5 27.1 81.3

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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

800000

600000

400000

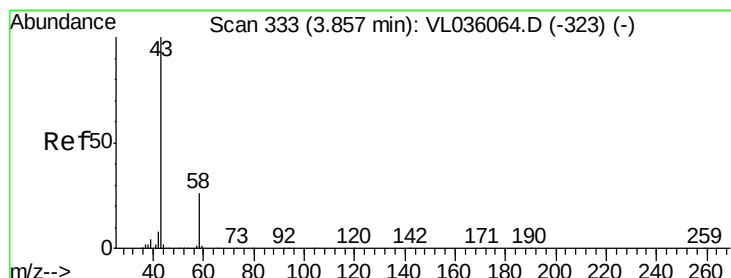
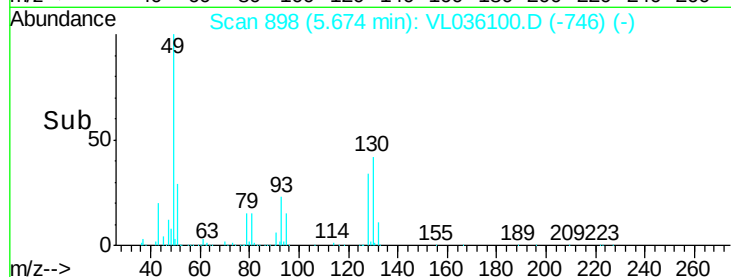
200000

0

5.60 5.65 5.70 5.75

5.67

Time-->



#15

Acetone

Concen: 4.526 ppbv

RT: 3.85 min Scan# 332

Delta R.T. -0.00 min

Lab File: VL036100.D

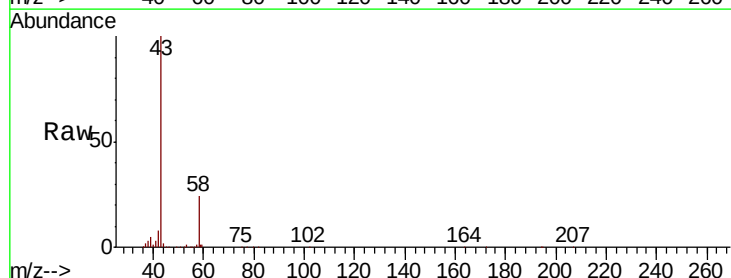
Acq: 8 Dec 2020 18:28

Tgt Ion: 43 Resp: 693129

Ion Ratio Lower Upper

43 100

58 25.5 20.9 31.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

400000

300000

200000

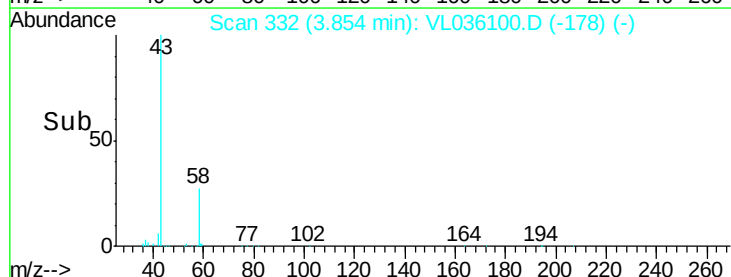
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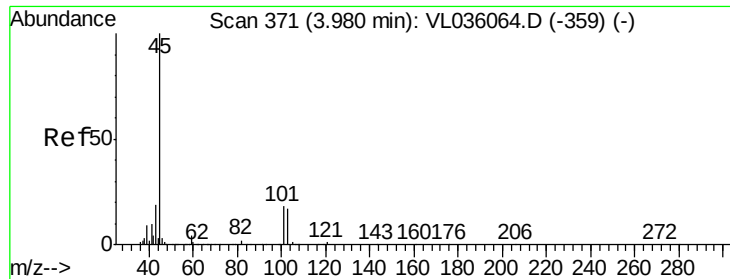
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3.80 3.85 3.90 3.95

3.85

Time-->





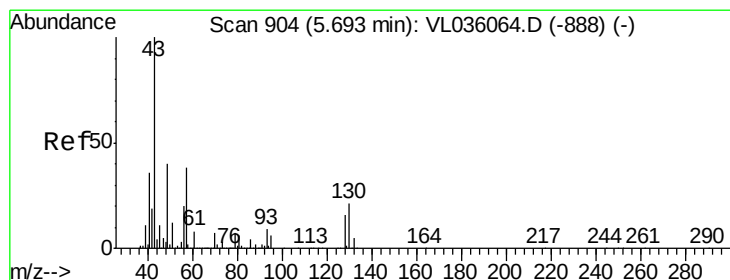
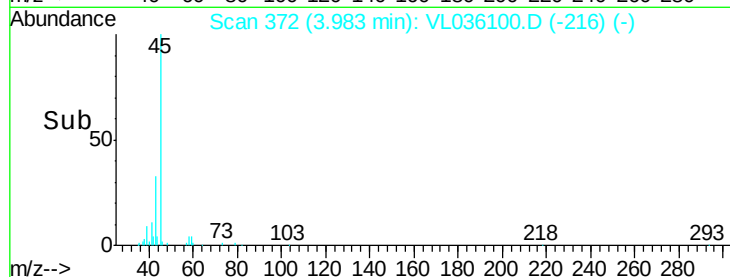
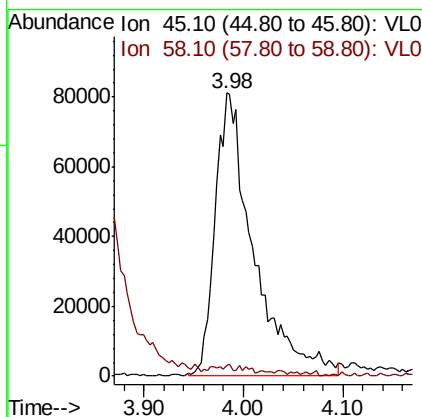
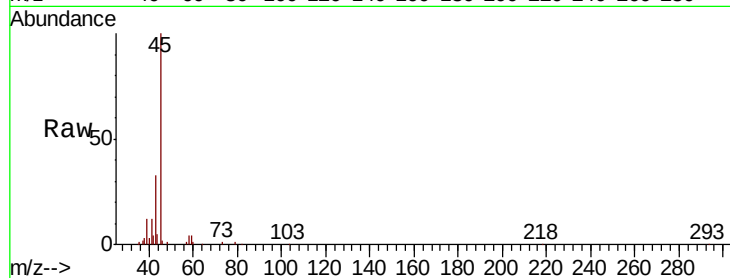
#19
Isopropyl Alcohol
Concen: 2.324 ppbv m
RT: 3.98 min Scan# 372
Delta R.T. 0.00 min
Lab File: VL036100.D
Acq: 8 Dec 2020 18:28

Instrument :
MSVOA_L
ClientSampled :
IA-3DL2

Tot Ion: 45 Resp: 217538
Ion Ratio Lower Upper
45 100
58 3.8 0.0 0.0#

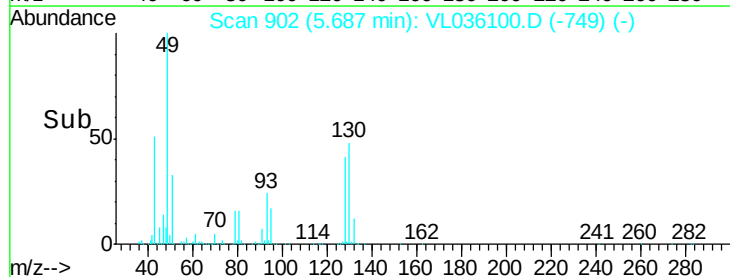
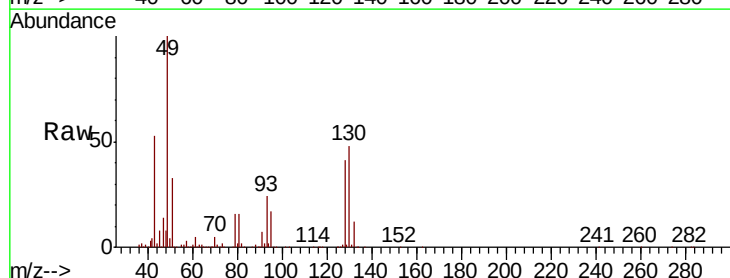
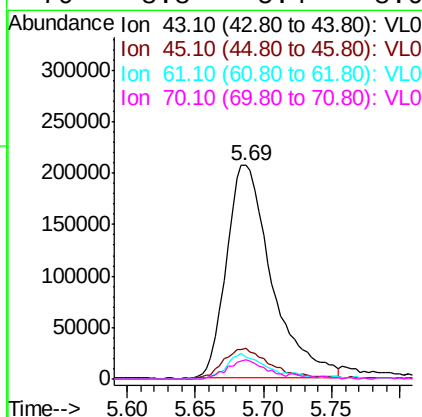
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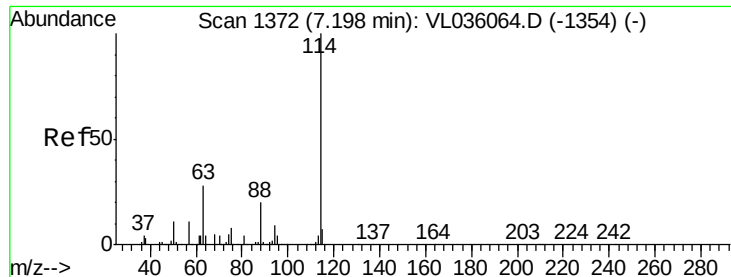
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#25
Ethyl Acetate
Concen: 1.560 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL036100.D
Acq: 8 Dec 2020 18:28

Tgt Ion: 43 Resp: 477340
Ion Ratio Lower Upper
43 100
45 16.5 8.2 12.4#
61 11.9 7.4 11.2#
70 8.8 5.4 8.0#





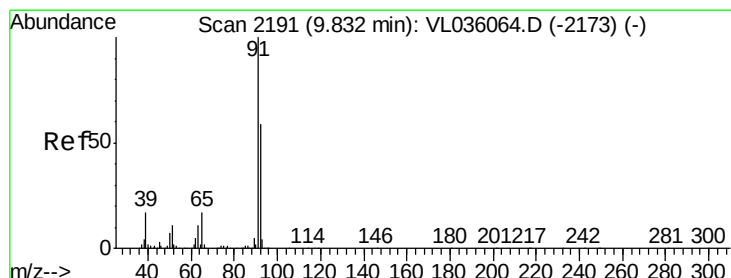
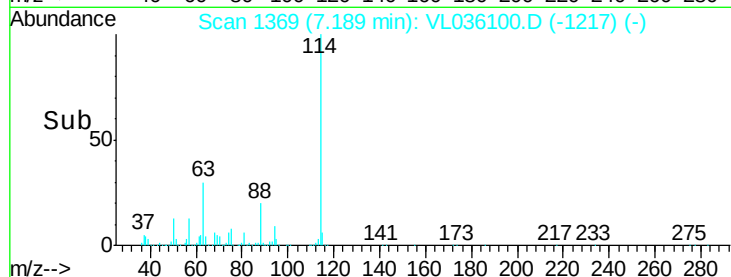
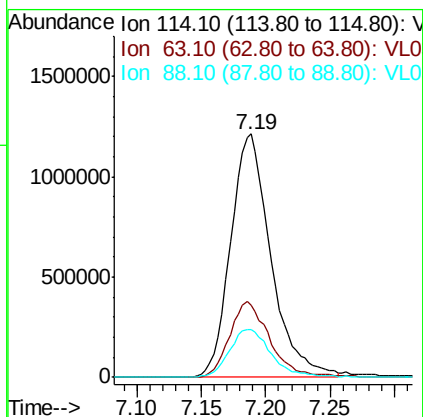
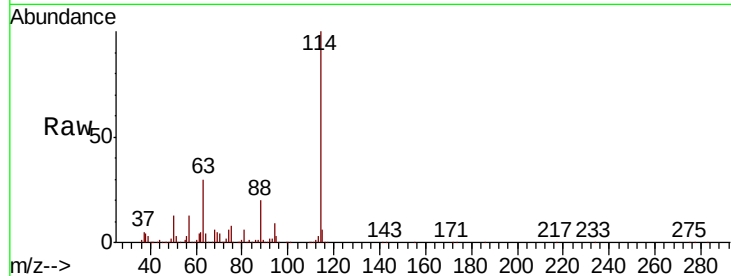
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. -0.01 min
 Lab File: VL036100.D
 Acq: 8 Dec 2020 18:28

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-3DL2

Tot Ion:114 Resp: 2631471
 Ion Ratio Lower Upper
 114 100
 63 31.5 23.6 35.4
 88 20.8 15.8 23.6

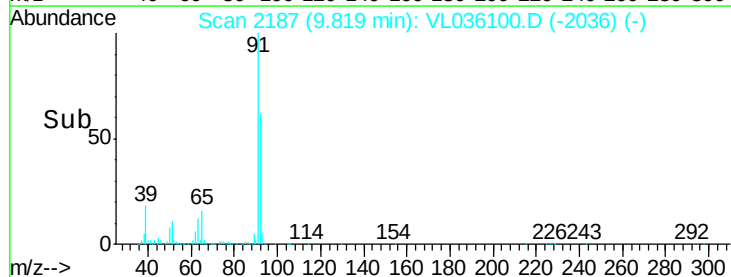
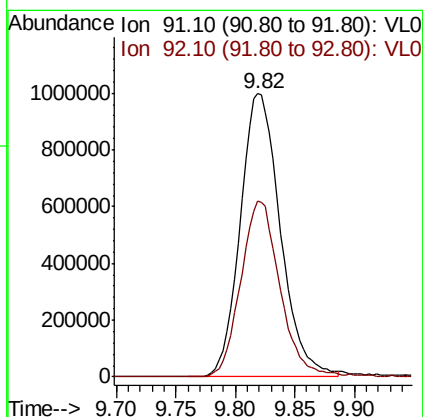
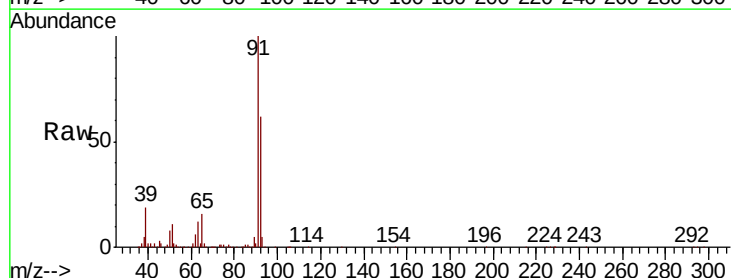
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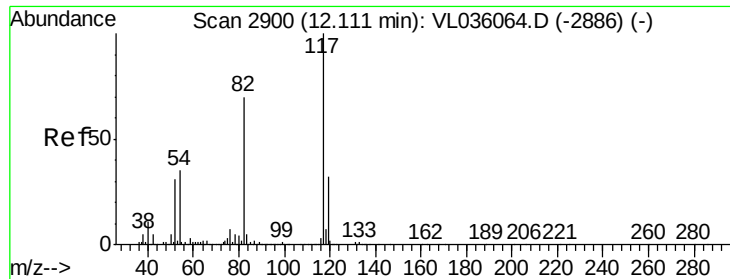
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#53
 Toluene
 Concen: 9.302 ppbv
 RT: 9.82 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VL036100.D
 Acq: 8 Dec 2020 18:28

Tgt Ion: 91 Resp: 2329492
 Ion Ratio Lower Upper
 91 100
 92 61.2 48.2 72.2





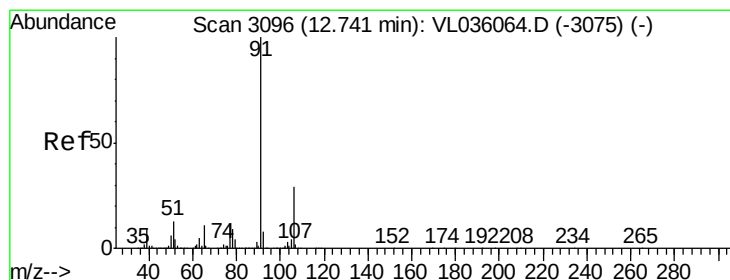
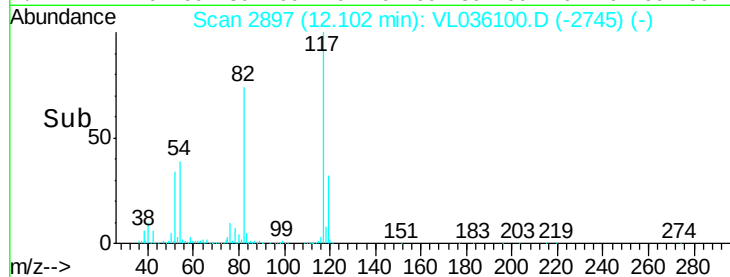
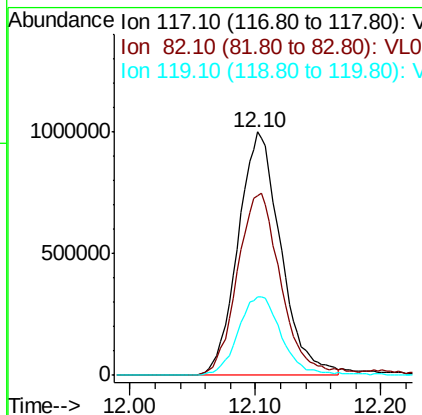
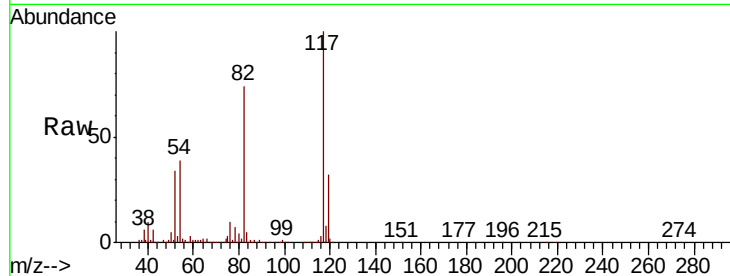
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL036100.D
Acq: 8 Dec 2020 18:28

Instrument :
MSVOA_L
ClientSampleId :
IA-3DL2

Tot Ion:117 Resp: 2360960
Ion Ratio Lower Upper
117 100
82 76.8 0.0 0.0#
119 33.8 0.0 0.0#

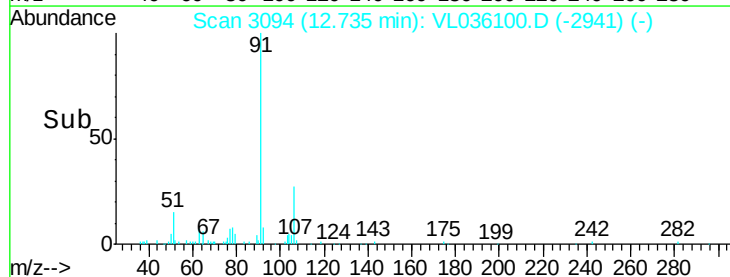
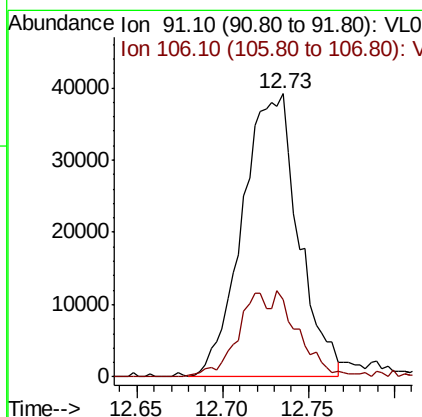
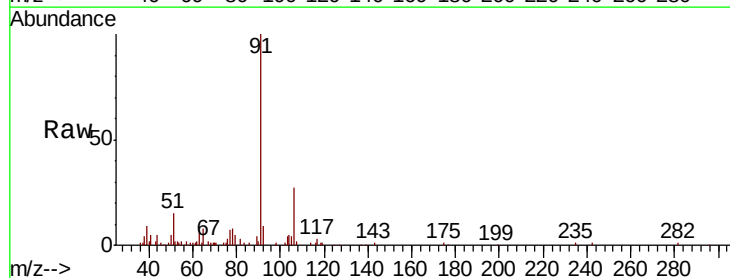
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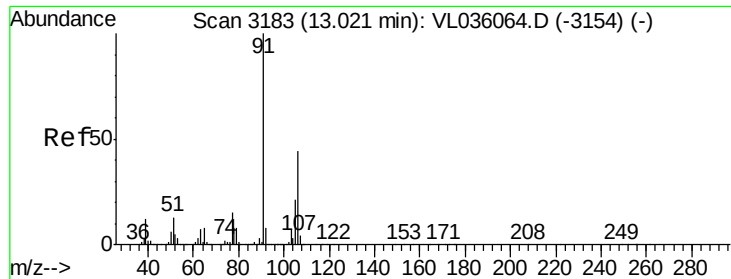
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#58
Ethyl Benzene
Concen: 0.274 ppbv
RT: 12.73 min Scan# 3094
Delta R.T. -0.01 min
Lab File: VL036100.D
Acq: 8 Dec 2020 18:28

Tgt Ion: 91 Resp: 88790
Ion Ratio Lower Upper
91 100
106 26.7 23.0 34.4





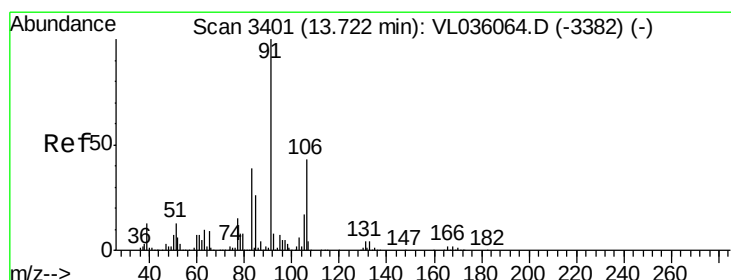
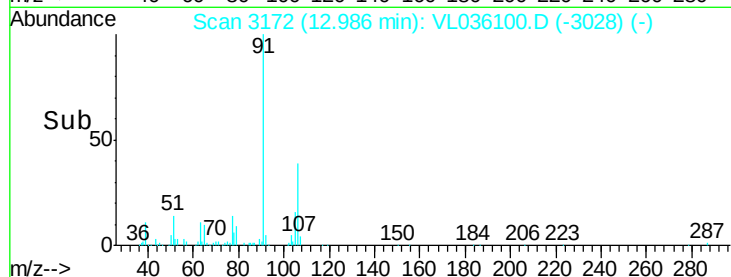
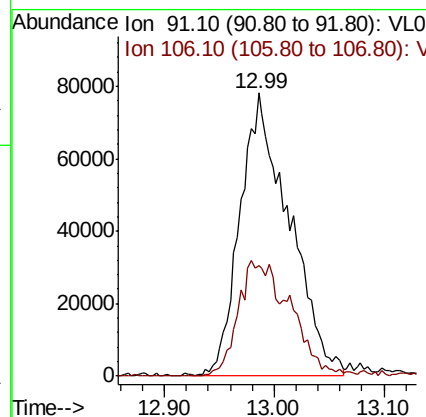
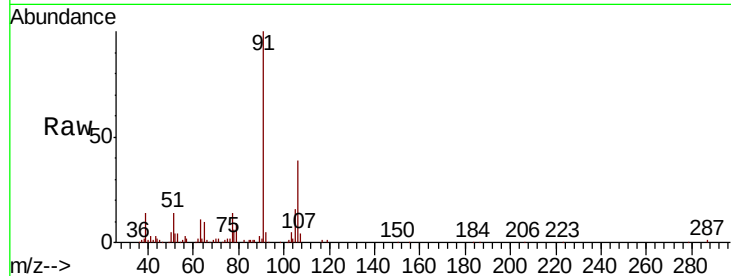
#59
m/p-Xylene
Concen: 0.896 ppbv m
RT: 12.99 min Scan# 3172
Delta R.T. -0.04 min
Lab File: VL036100.D
Acq: 8 Dec 2020 18:28

Instrument :
MSVOA_L
ClientSampled :
IA-3DL2

Tot Ion: 91 Resp: 244111
Ion Ratio Lower Upper
91 100
106 0.0 33.6 50.4#

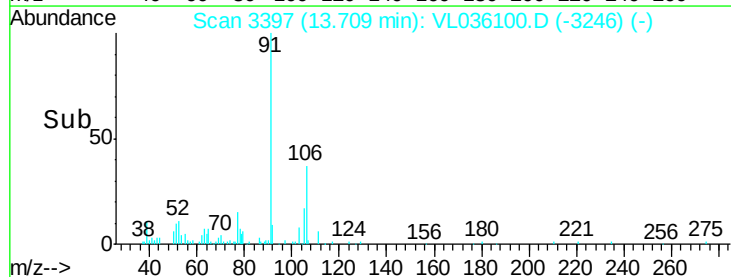
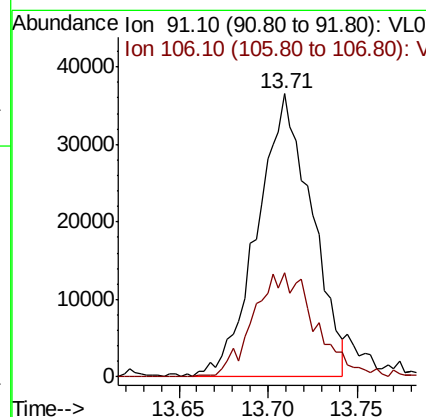
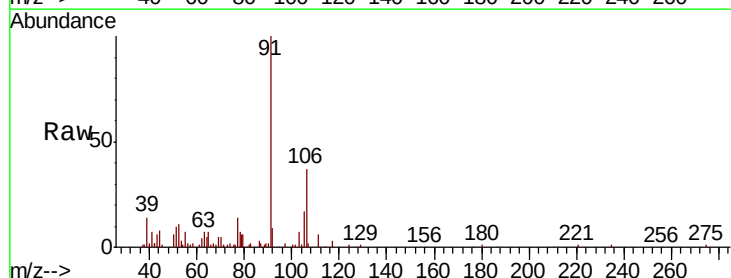
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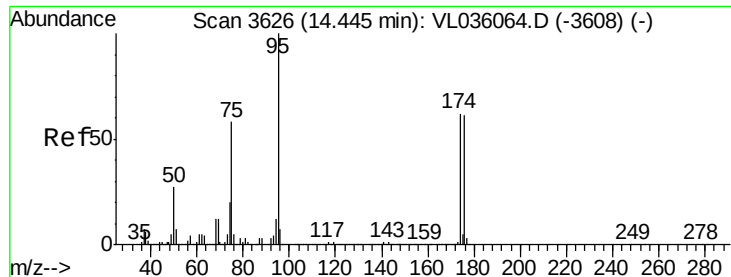
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#60
o-Xylene
Concen: 0.303 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. -0.01 min
Lab File: VL036100.D
Acq: 8 Dec 2020 18:28

Tgt Ion: 91 Resp: 77690
Ion Ratio Lower Upper
91 100
106 43.4 21.6 64.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.563 ppbv
 RT: 14.44 min Scan# 3623
 Delta R.T. -0.01 min
 Lab File: VL036100.D
 Acq: 8 Dec 2020 18:28

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-3DL2

Tot Ion: 95 Resp: 1980241
 Ion Ratio Lower Upper
 95 100
 174 57.1 50.7 76.1
 175 4.0 4.0 6.0#

Manual Integrations
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