

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031020\
 Data File : VL034867.D
 Acq On : 10 Mar 2020 15:39
 Operator : SY/AP
 Sample : L1861-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 O-1DL

Manual Integrations
 APPROVED

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 3/11/2020 3:17:20 PM

Quant Time: Mar 11 14:44:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 0
 QLast Update : Mon Mar 09 16:42:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	961899	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2261926	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2191071	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1747663	10.23	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.98	41	2403162m	46.844	ppbv	
10) Heptane	8.13	43	1072026	8.491	ppbv	99
13) Ethanol	3.57	45	916288	58.748	ppbv	93
15) Acetone	3.81	43	2471001	19.820	ppbv #	84
17) tert-Butyl alcohol	4.28	59	272973	2.273	ppbv #	1
19) Isopropyl Alcohol	3.94	45	132499	1.683	ppbv #	1
26) Hexane	5.68	57	3575100	37.379	ppbv #	41
44) 2,2,4-Trimethylpentane	7.87	57	86741m	0.255	ppbv	
53) Toluene	9.83	91	209873	0.901	ppbv	100
59) m/p-Xylene	12.99	91	214521	0.863	ppbv	98

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

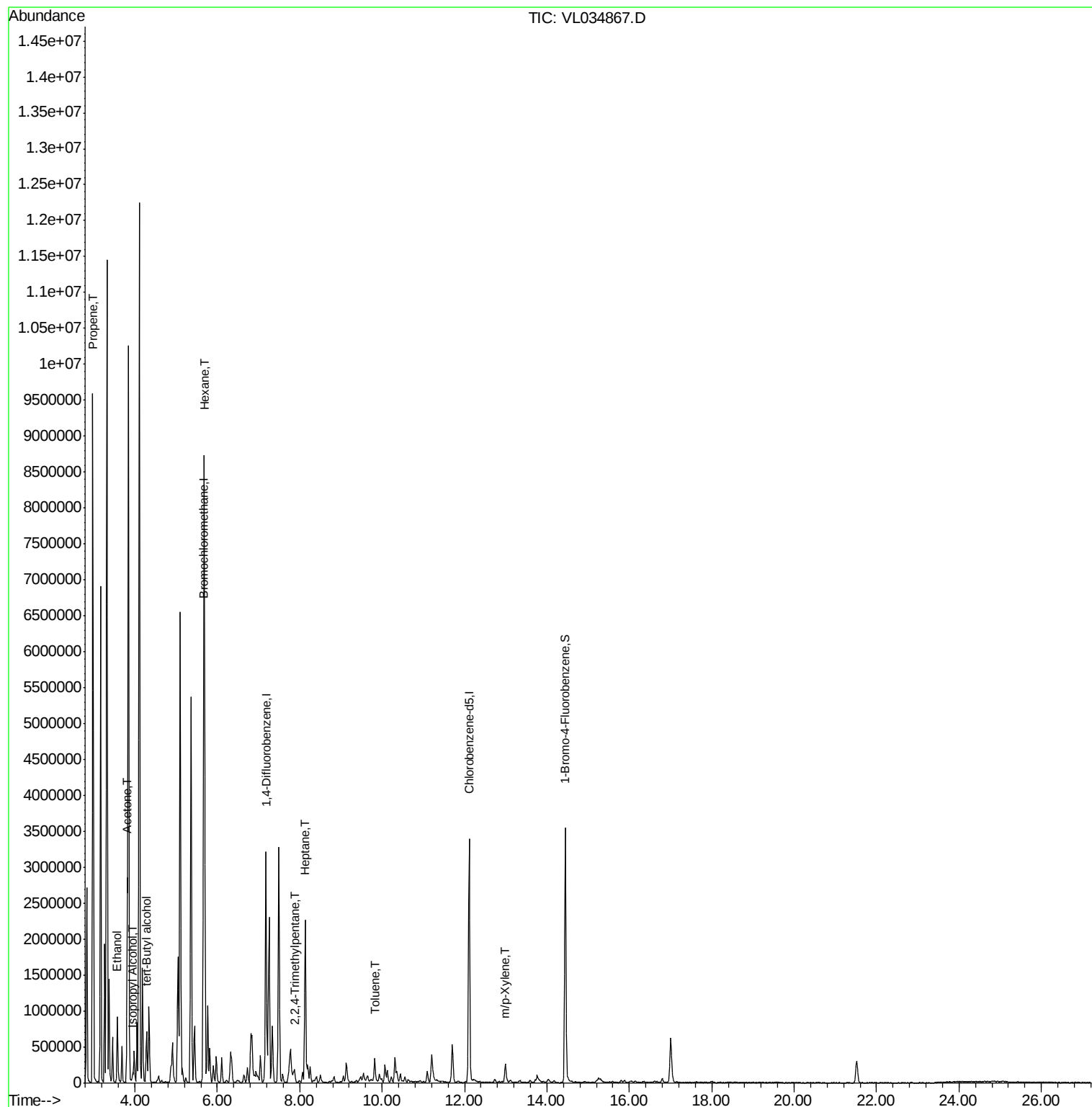
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL031020\
Data File : VL034867.D
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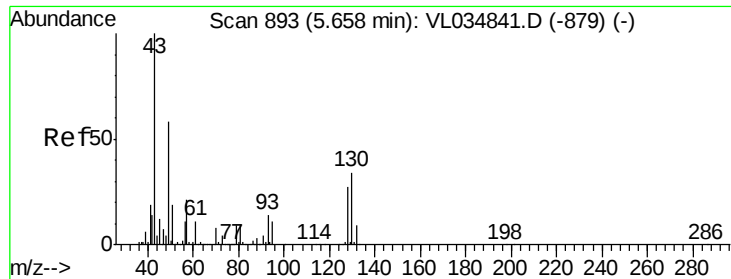
Instrument :
MSVOA_L
ClientSampleId :
O-1DL

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Quant Time: Mar 11 14:44:45 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.00 min

Lab File: VL034867.D

Acq: 10 Mar 2020 15:39

Instrument :

MSVOA_L

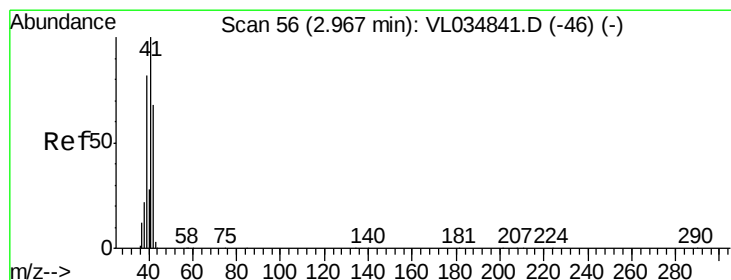
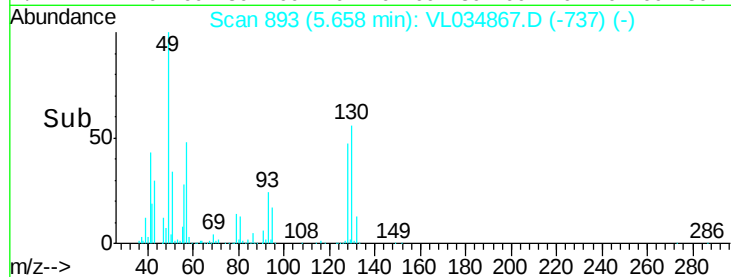
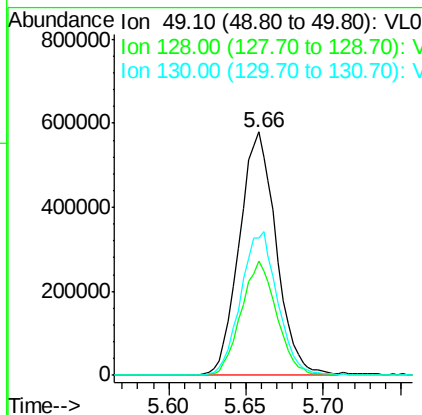
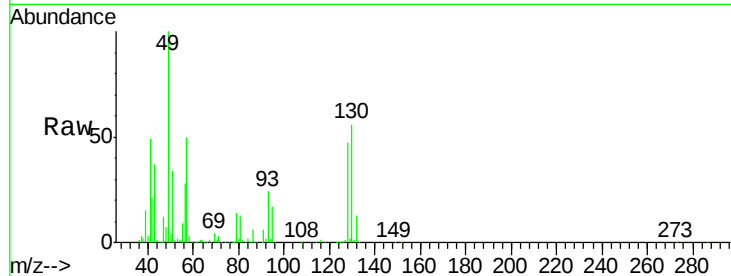
ClientSampled :

O-1DL

Tot Ion:	49	Resp:	961899
Ion	Ratio	Lower	Upper
49	100		
128	45.7	23.4	70.3
130	59.4	30.0	90.0

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#9

Propene

Concen: 46.844 ppbv m

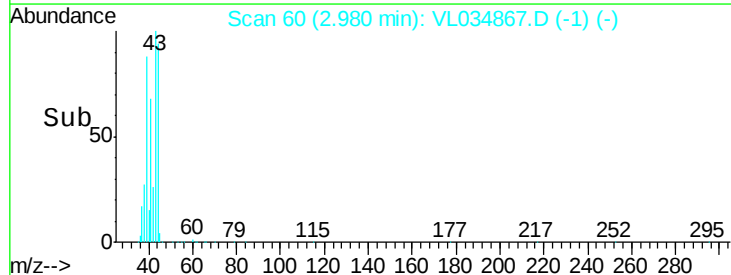
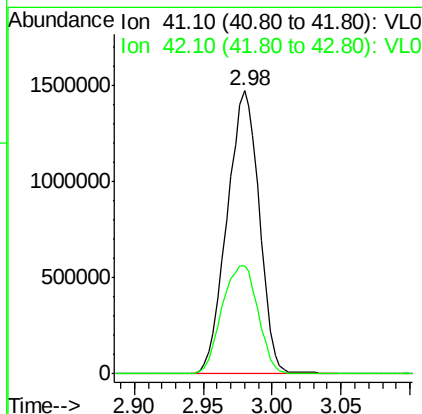
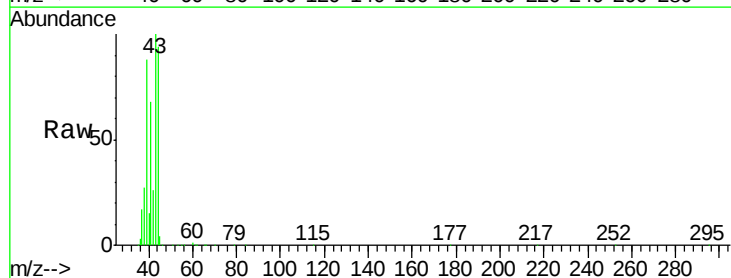
RT: 2.98 min Scan# 60

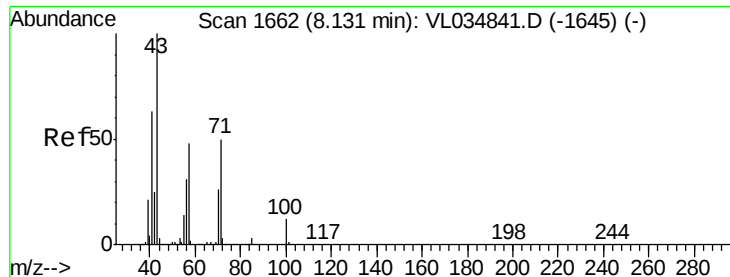
Delta R.T. 0.01 min

Lab File: VL034867.D

Acq: 10 Mar 2020 15:39

Tgt Ion:	41	Resp:	2403162
Ion	Ratio	Lower	Upper
41	100		
42	55.7	55.2	82.8





#10

Heptane

Concen: 8.491 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.00 min

Lab File: VL034867.D

Acq: 10 Mar 2020 15:39

Instrument :

MSVOA_L

ClientSampleId :

O-1DL

Tot Ion: 43 Resp: 1072026

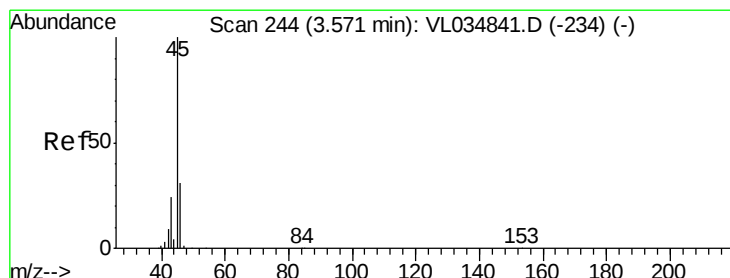
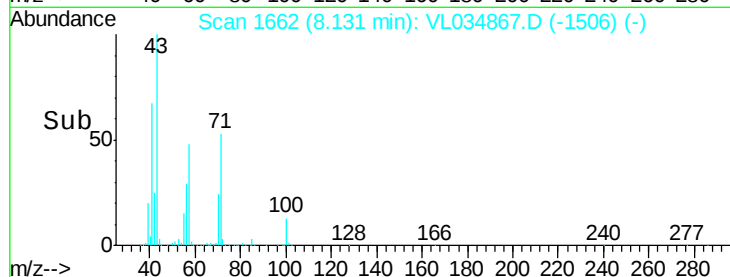
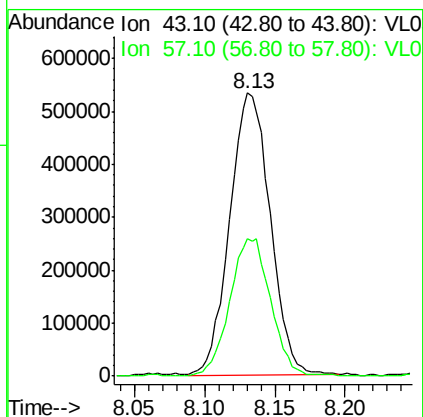
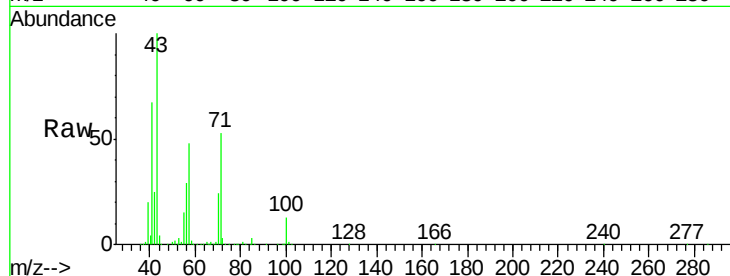
Ion Ratio Lower Upper

43 100

57 48.7 39.7 59.5

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#13

Ethanol

Concen: 58.748 ppbv

RT: 3.57 min Scan# 244

Delta R.T. 0.00 min

Lab File: VL034867.D

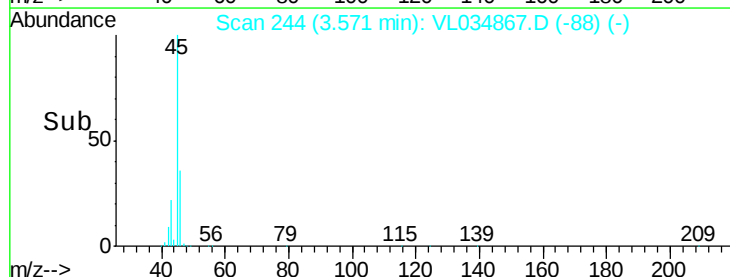
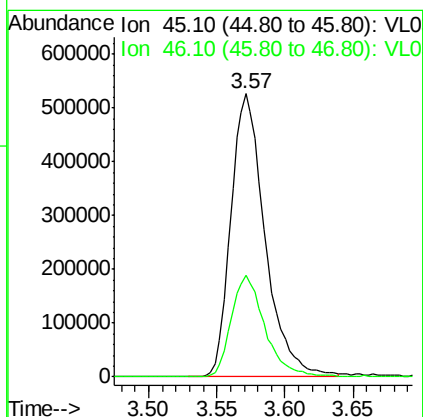
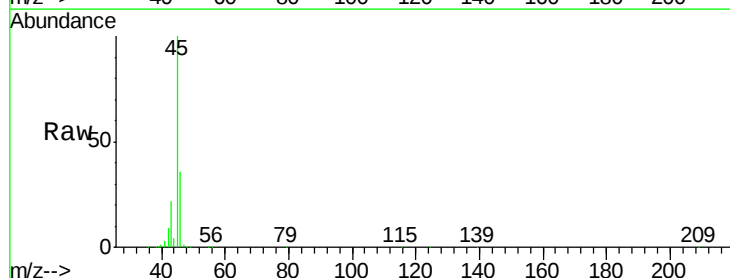
Acq: 10 Mar 2020 15:39

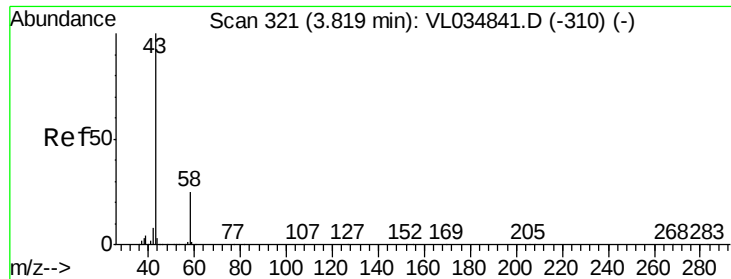
Tgt Ion: 45 Resp: 916288

Ion Ratio Lower Upper

45 100

46 35.7 16.0 64.0





#15

Acetone

Concen: 19.820 ppbv

RT: 3.81 min Scan# 319

Delta R.T. -0.01 min

Lab File: VL034867.D

Acq: 10 Mar 2020 15:39

Instrument :

MSVOA_L

ClientSampleId :

O-1DL

Tot Ion: 43 Resp: 2471001

Ion Ratio Lower Upper

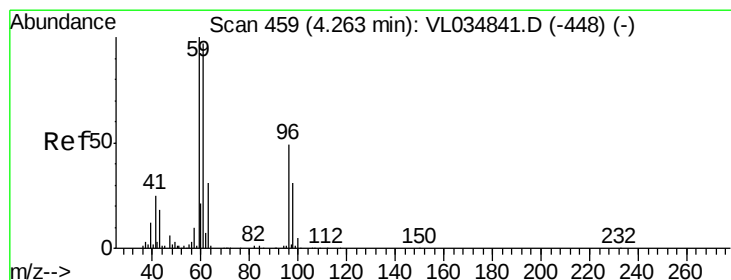
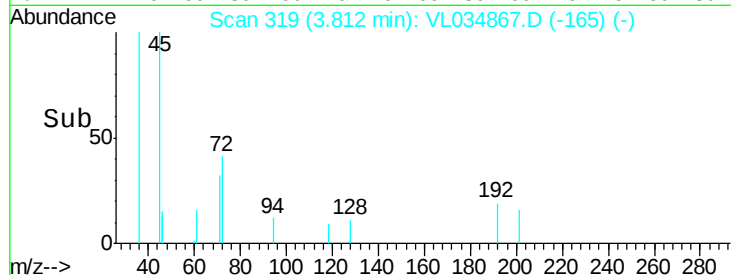
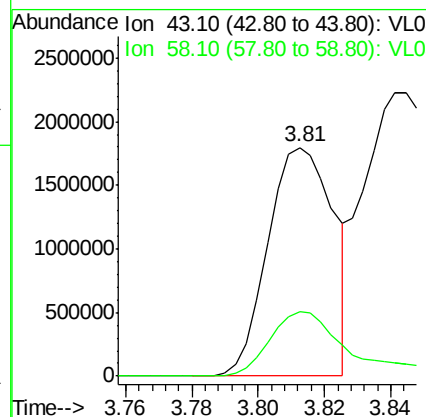
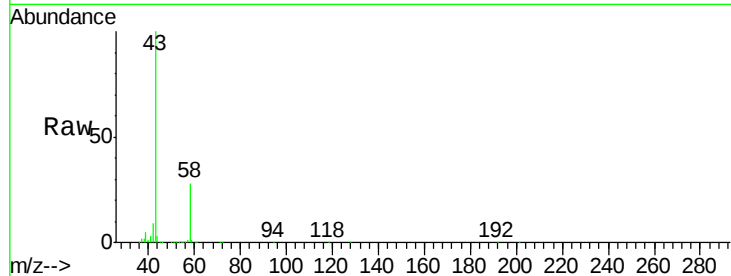
43 100

58 34.5 21.0 31.6#

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#17

tert-Butyl alcohol

Concen: 2.273 ppbv

RT: 4.28 min Scan# 463

Delta R.T. 0.01 min

Lab File: VL034867.D

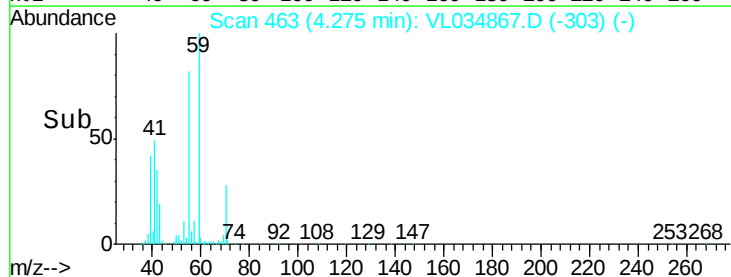
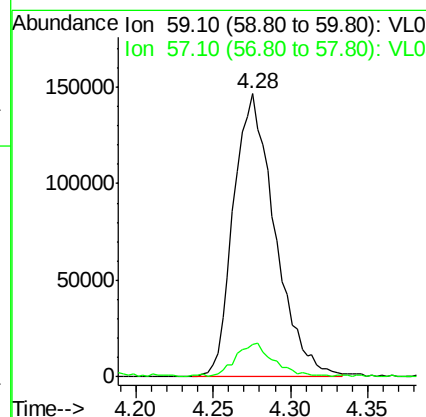
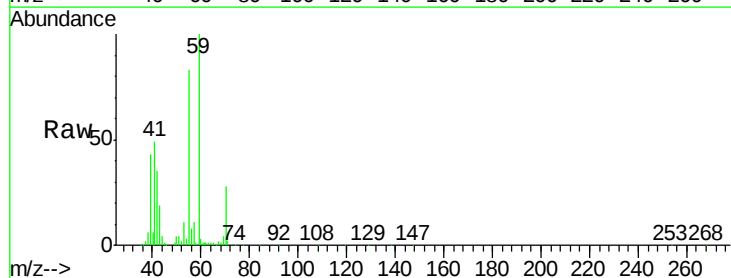
Acq: 10 Mar 2020 15:39

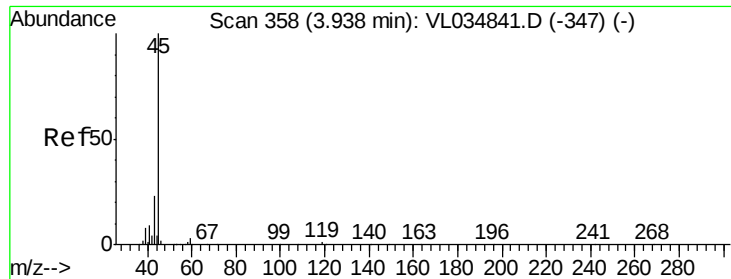
Tgt Ion: 59 Resp: 272973

Ion Ratio Lower Upper

59 100

57 427.9 8.3 12.5#





#19

Isopropyl Alcohol

Concen: 1.683 ppbv

RT: 3.94 min Scan# 360

Delta R.T. 0.01 min

Lab File: VL034867.D

Acq: 10 Mar 2020 15:39

Instrument :

MSVOA_L

ClientSampleId :

O-1DL

Tot Ion: 45 Resp: 132499

Ion Ratio Lower Upper

45 100

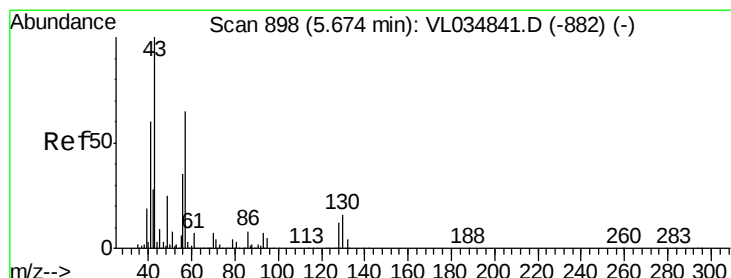
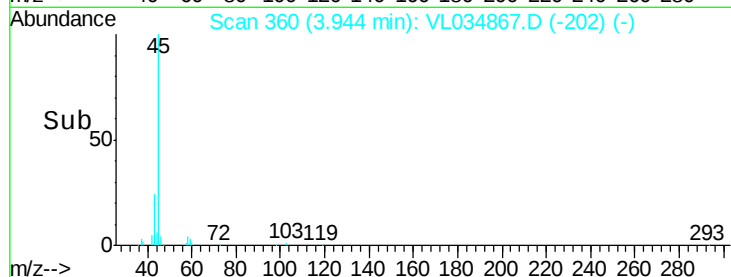
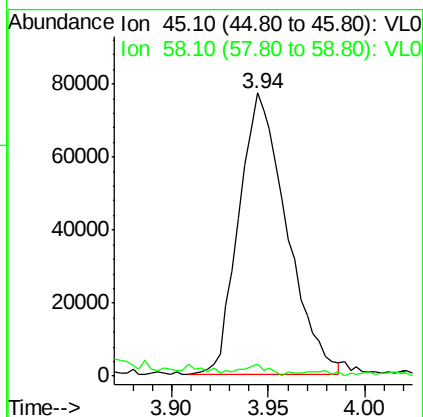
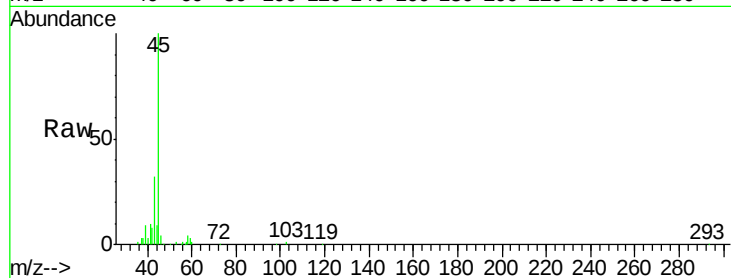
58 640.5 30.5 45.7#

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#26

Hexane

Concen: 37.379 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.01 min

Lab File: VL034867.D

Acq: 10 Mar 2020 15:39

Tgt Ion: 57 Resp: 3575100

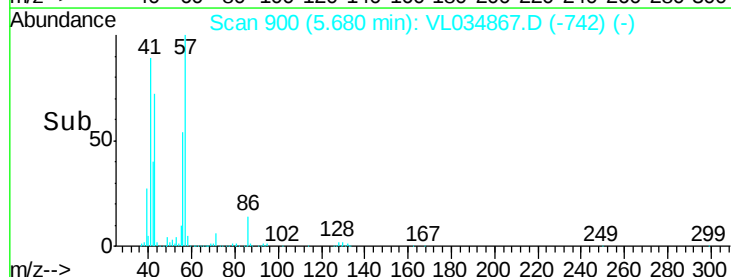
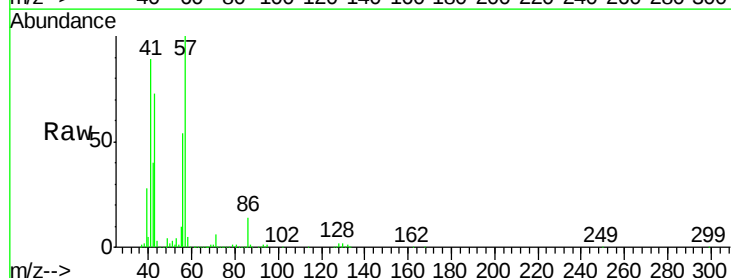
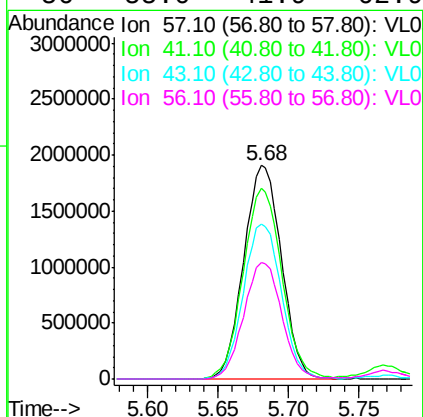
Ion Ratio Lower Upper

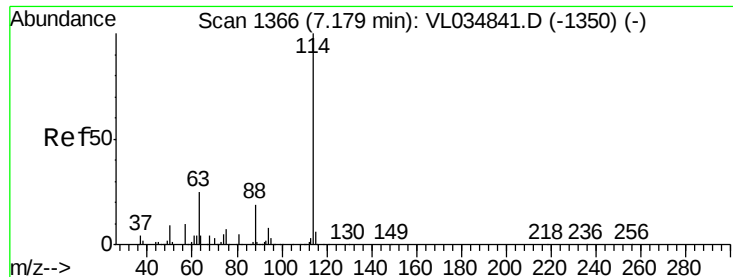
57 100

41 91.9 72.6 109.0

43 73.2 183.8 275.6#

56 55.0 41.9 62.9





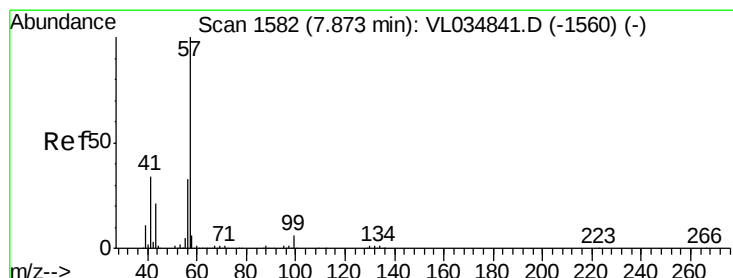
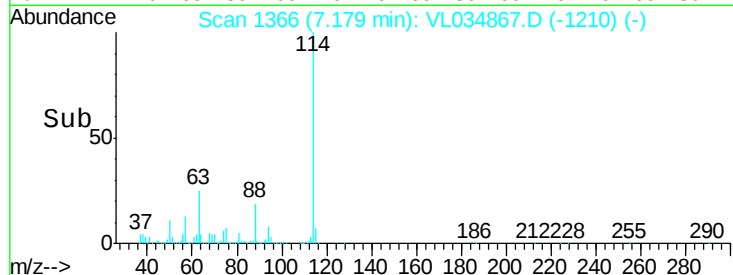
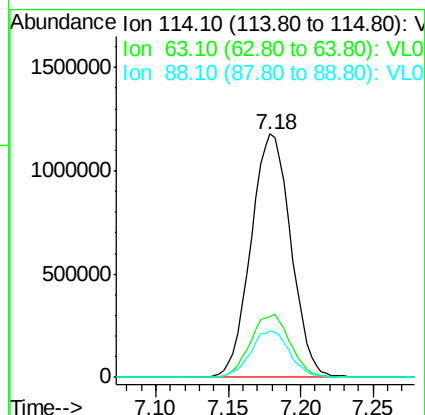
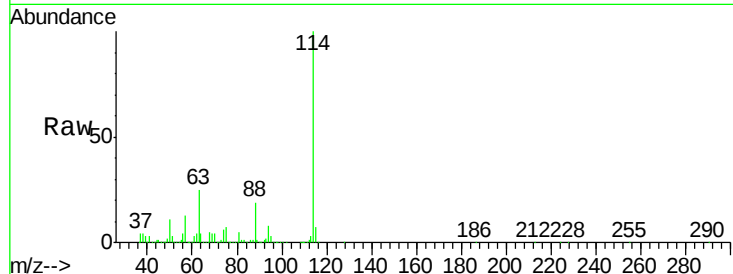
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.00 min
 Lab File: VL034867.D
 Acq: 10 Mar 2020 15:39

Instrument :
 MSVOA_L
 ClientSampleId :
 O-1DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.1	20.6	31.0
88	18.6	15.0	22.6

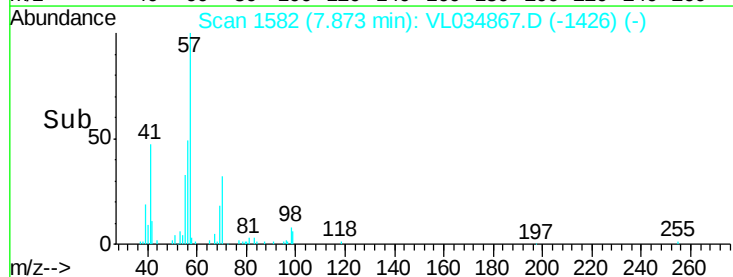
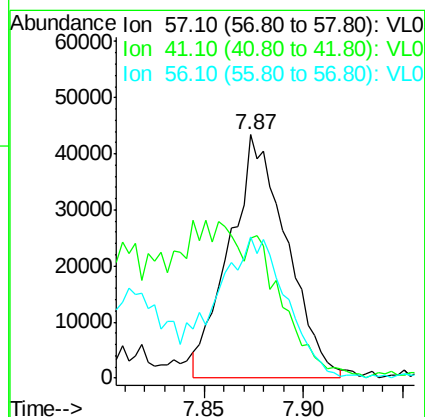
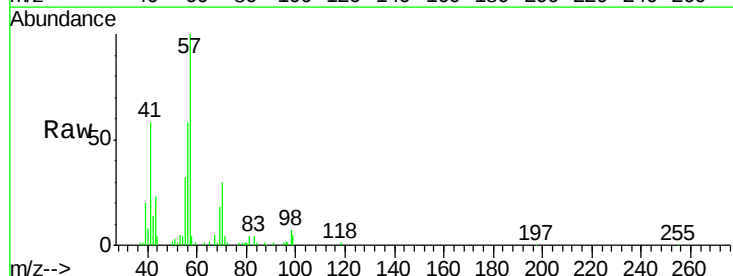
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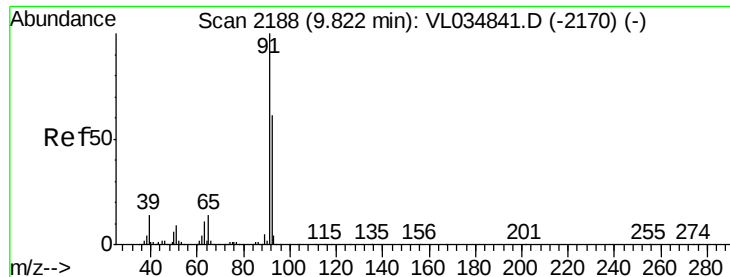
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#44
 2,2,4-Trimethylpentane
 Concen: 0.255 ppbv m
 RT: 7.87 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VL034867.D
 Acq: 10 Mar 2020 15:39

Tgt Ion	Ratio	Lower	Upper
57	100		
41	0.0	26.2	39.4#
56	0.0	25.0	37.4#





#53

Toluene

Concen: 0.901 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. 0.00 min

Lab File: VL034867.D

Acq: 10 Mar 2020 15:39

Instrument :

MSVOA_L

ClientSampleId :

O-1DL

Tot Ion: 91 Resp: 209873

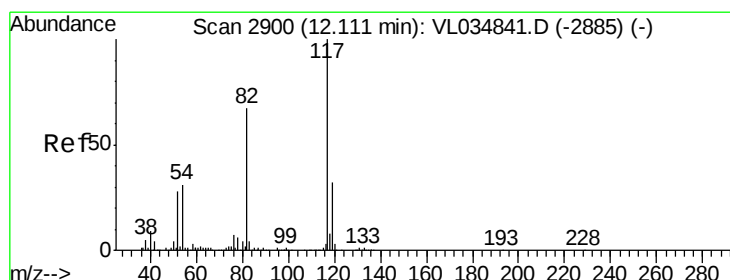
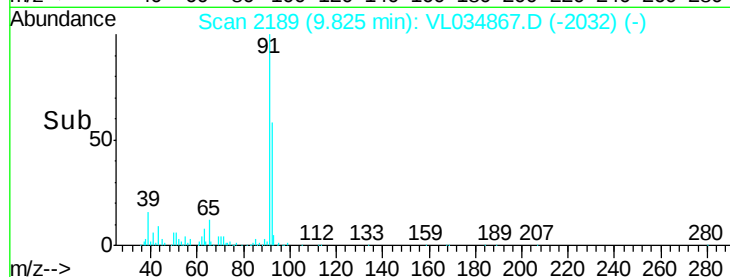
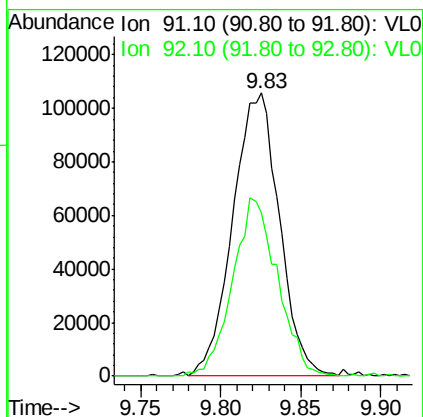
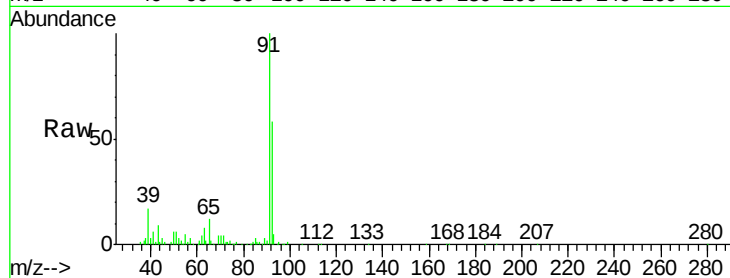
Ion Ratio Lower Upper

91 100

92 60.6 48.6 72.8

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2900

Delta R.T. 0.00 min

Lab File: VL034867.D

Acq: 10 Mar 2020 15:39

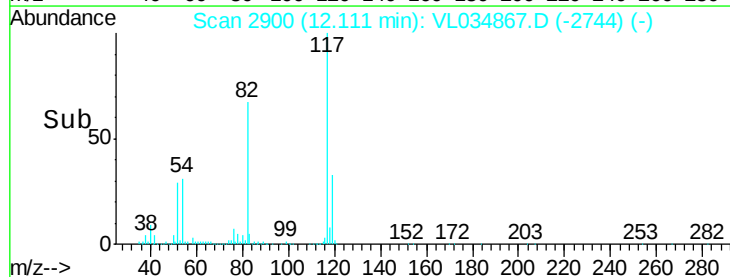
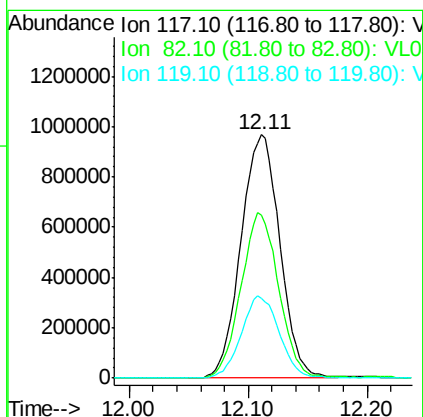
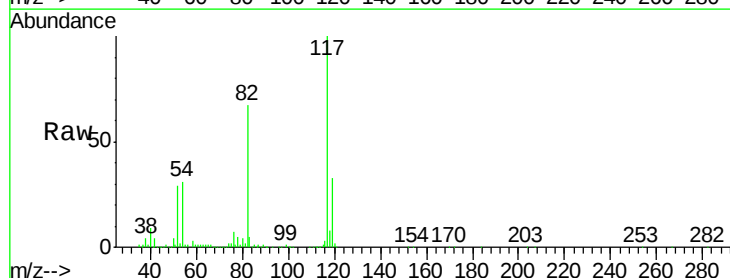
Tgt Ion: 117 Resp: 2191071

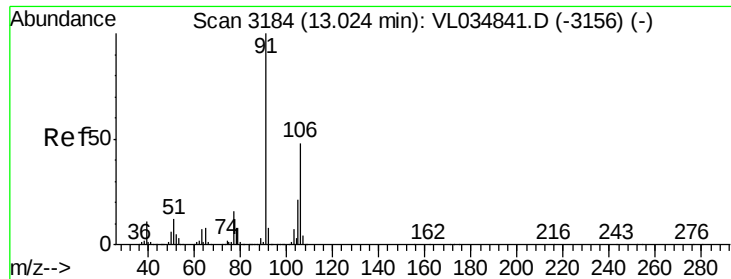
Ion Ratio Lower Upper

117 100

82 67.0 51.1 76.7

119 33.1 27.3 40.9





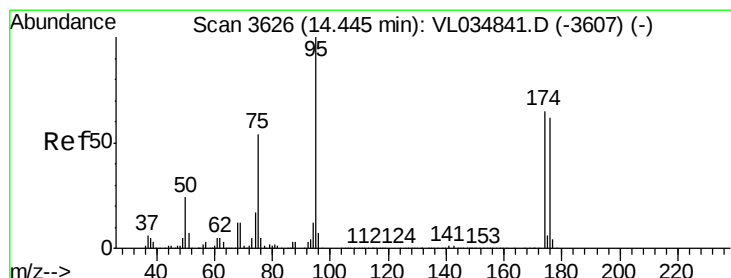
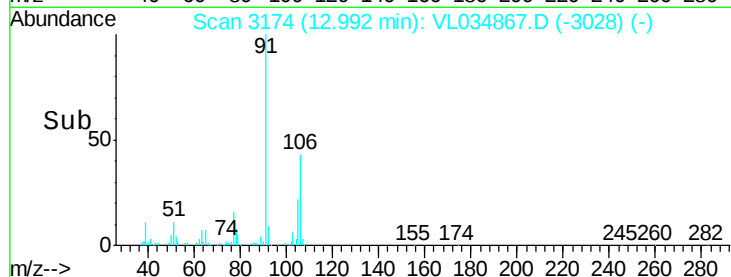
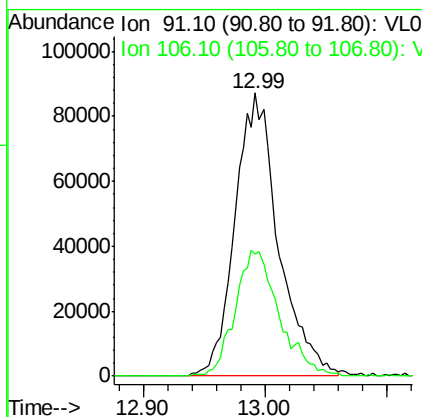
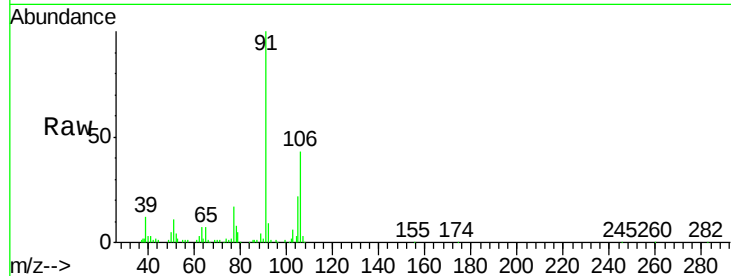
#59
m/p-Xylene
Concen: 0.863 ppbv
RT: 12.99 min Scan# 3174
Delta R.T. -0.03 min
Lab File: VL034867.D
Acq: 10 Mar 2020 15:39

Instrument :
MSVOA_L
ClientSampled :
O-1DL

Tot Ion: 91 Resp: 214521
Ion Ratio Lower Upper
91 100
106 45.2 37.1 55.7

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.228 ppbv
RT: 14.45 min Scan# 3626
Delta R.T. 0.00 min
Lab File: VL034867.D
Acq: 10 Mar 2020 15:39

Tgt Ion: 95 Resp: 1747663
Ion Ratio Lower Upper
95 100
174 68.5 55.2 82.8
175 5.2 4.3 6.5

