

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022820\
 Data File : VL034744.D
 Acq On : 28 Feb 2020 19:47
 Operator : SY/AP
 Sample : L1704-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-4-4DL

Manual Integrations
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 3/2/2020 1:01:31 PM

Quant Time: Mar 02 12:03:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 2020
 QLast Update : Fri Feb 28 01:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1048376	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2126003	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2120254	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1775680	10.21	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	67529m	1.428	ppbv	
10) Heptane	8.14	43	39726m	0.326	ppbv	
13) Ethanol	3.59	45	53637	3.590	ppbv	94
15) Acetone	3.83	43	1824940	15.276	ppbv	99
17) tert-Butyl alcohol	4.31	59	58731m	0.642	ppbv	
20) Methylene Chloride	4.33	84	101283	2.280	ppbv	94
23) Vinyl Acetate	5.06	43	425156	2.618	ppbv	97
52) Tetrachloroethene	11.26	164	31856	0.473	ppbv #	85
53) Toluene	9.83	91	975650	4.996	ppbv	97
59) m/p-Xylene	13.01	91	55042m	0.246	ppbv	

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

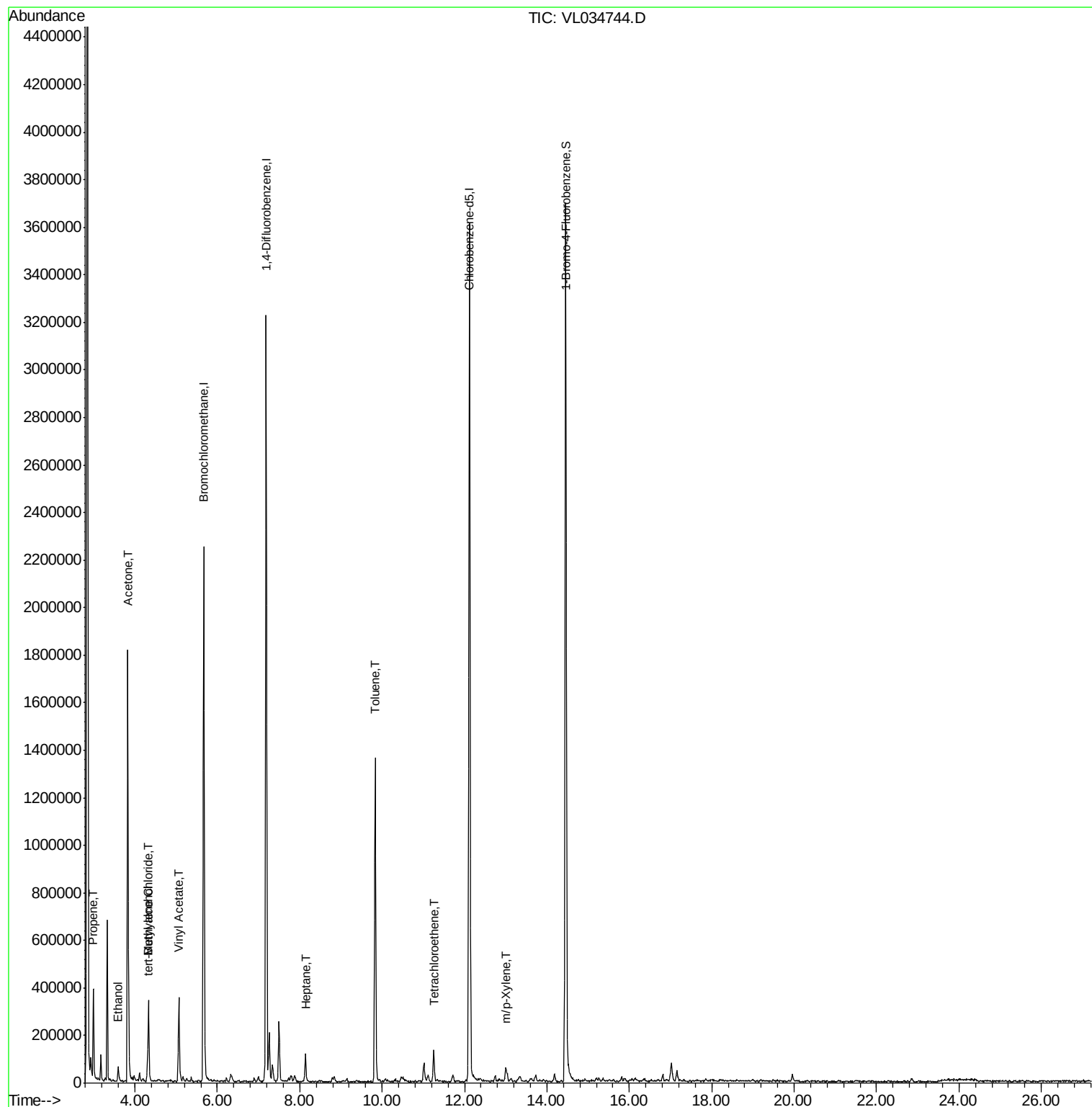
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL022820\
Data File : VL034744.D
Acq On : 28 Feb 2020 19:47
Operator : SY/AP
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Misc : 400ml/MSVOA L
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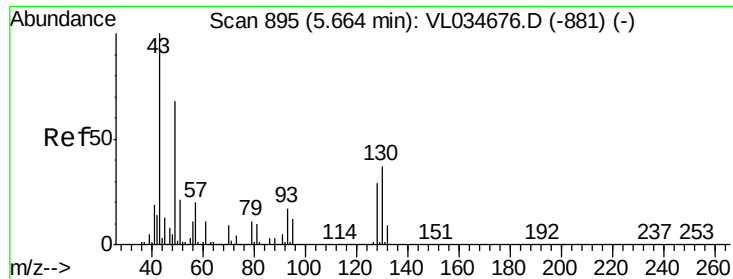
Instrument :
MSVOA_L
ClientSampleId :
IA-4-4DL

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Quant Time: Mar 02 12:03:46 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb
QLast Update : Fri Feb 28 01:15:02 2020
Response via : Initial Calibration





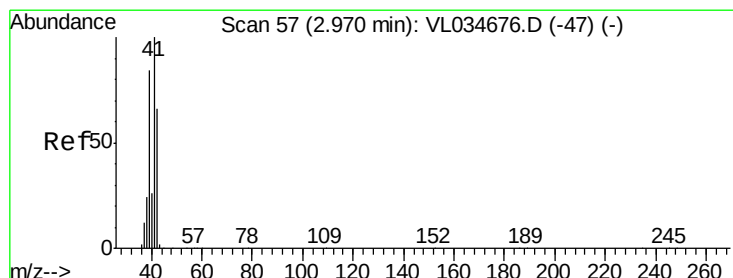
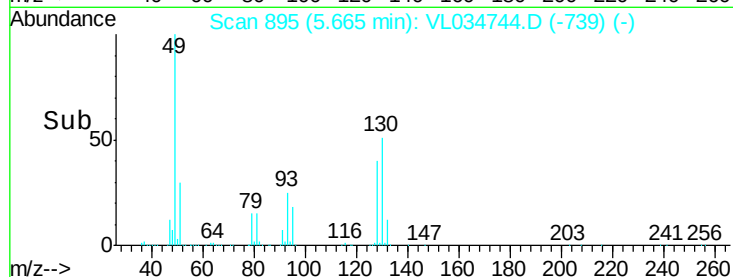
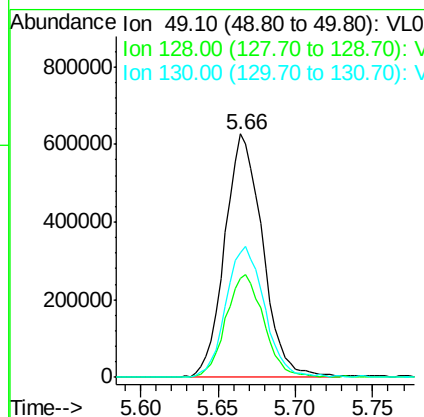
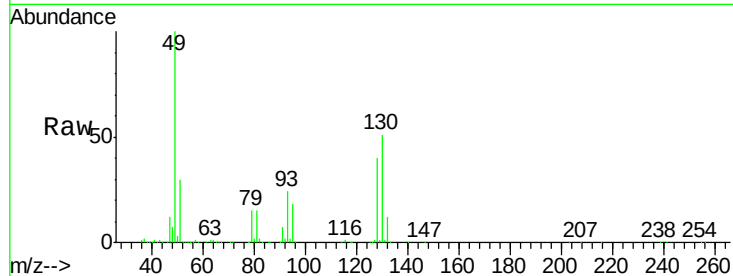
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL034744.D
Acq: 28 Feb 2020 19:47

Instrument :
MSVOA_L
ClientSampleId :
IA-4-4DL

Tot Ion: 49 Resp: 1048376
Ion Ratio Lower Upper
49 100
128 43.3 21.6 65.0
130 55.9 27.7 83.1

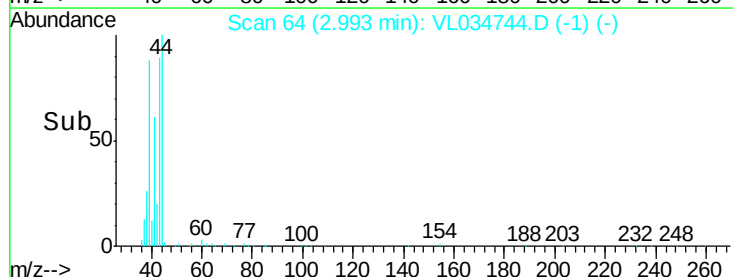
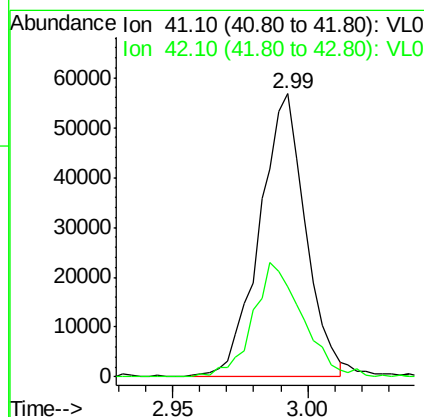
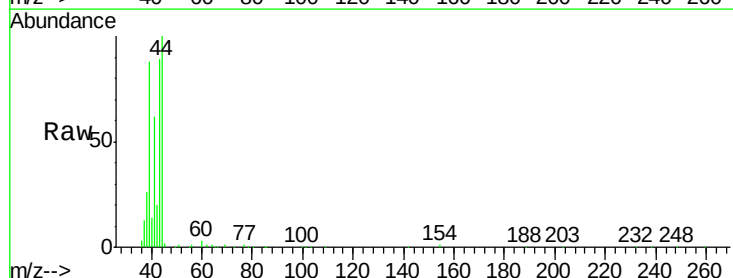
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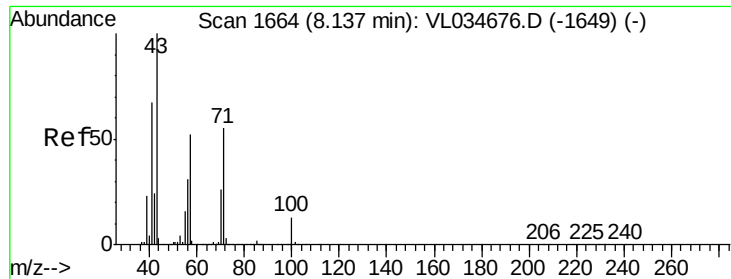
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#9
Propene
Concen: 1.428 ppbv m
RT: 2.99 min Scan# 64
Delta R.T. 0.02 min
Lab File: VL034744.D
Acq: 28 Feb 2020 19:47

Tgt Ion: 41 Resp: 67529
Ion Ratio Lower Upper
41 100
42 28.1 54.9 82.3#





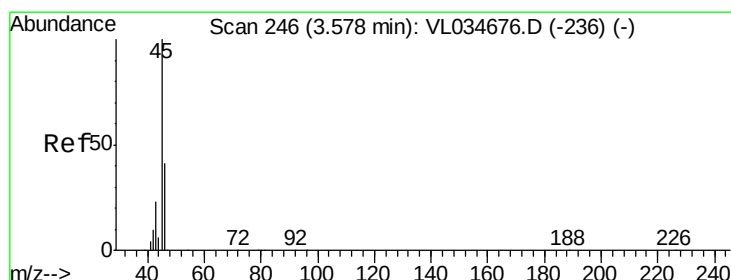
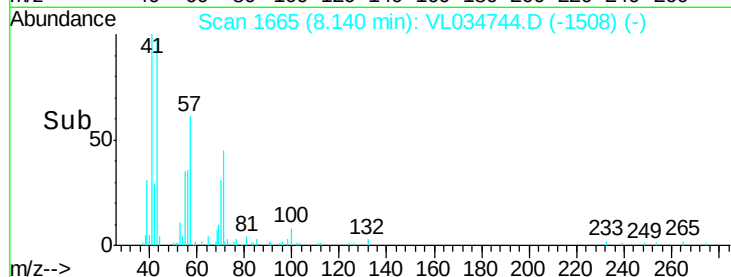
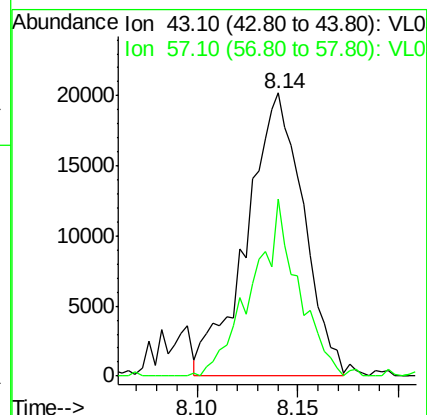
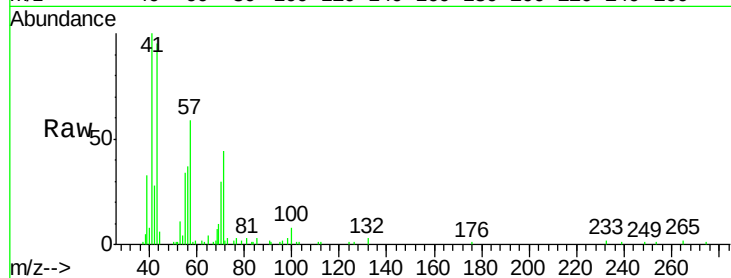
#10
Heptane
Concen: 0.326 ppbv m
RT: 8.14 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VL034744.D
Acq: 28 Feb 2020 19:47

Instrument :
MSVOA_L
ClientSampleId :
IA-4-4DL

Tot Ion: 43 Resp: 39726
Ion Ratio Lower Upper
43 100
57 50.6 41.0 61.6

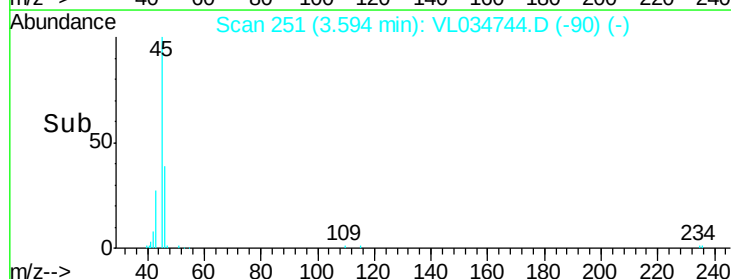
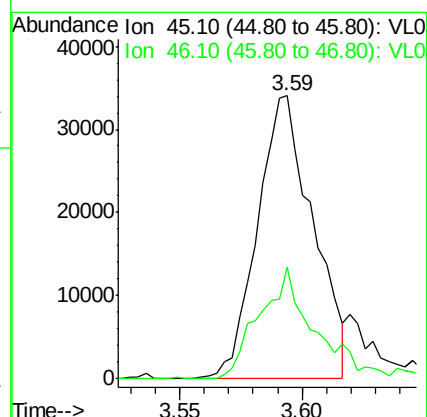
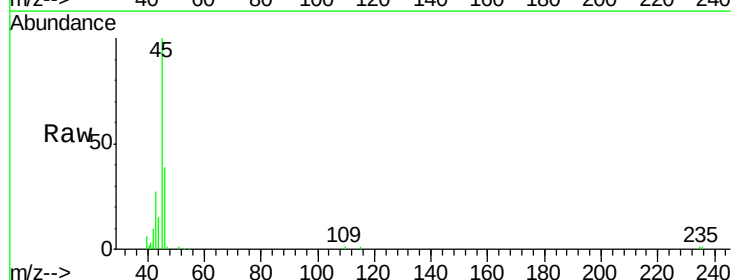
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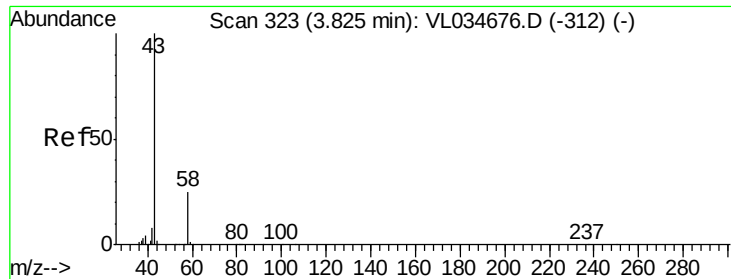
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#13
Ethanol
Concen: 3.590 ppbv
RT: 3.59 min Scan# 251
Delta R.T. 0.02 min
Lab File: VL034744.D
Acq: 28 Feb 2020 19:47

Tgt Ion: 45 Resp: 53637
Ion Ratio Lower Upper
45 100
46 42.1 15.4 61.4





#15

Acetone

Concen: 15.276 ppbv

RT: 3.83 min Scan# 323

Delta R.T. 0.00 min

Lab File: VL034744.D

Acq: 28 Feb 2020 19:47

Instrument :

MSVOA_L

ClientSampleId :

IA-4-4DL

Tot Ion: 43 Resp: 1824940

Ion Ratio Lower Upper

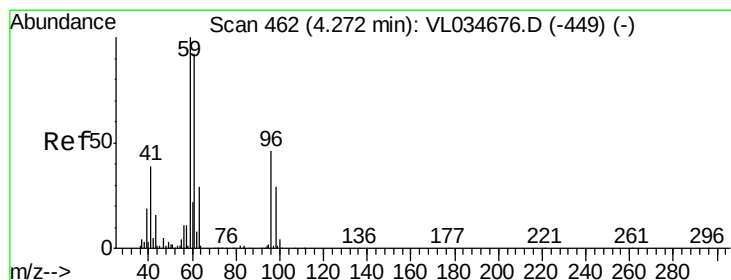
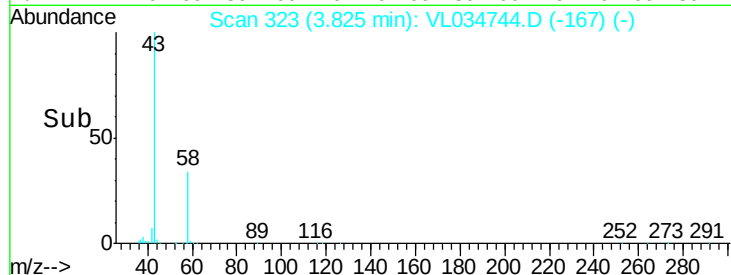
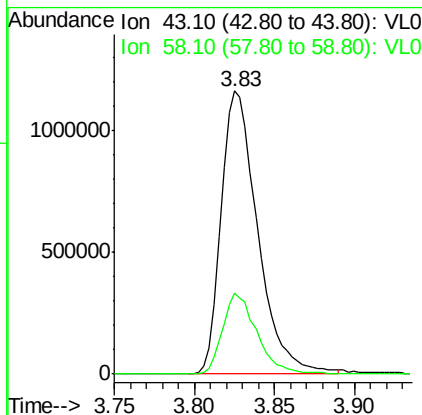
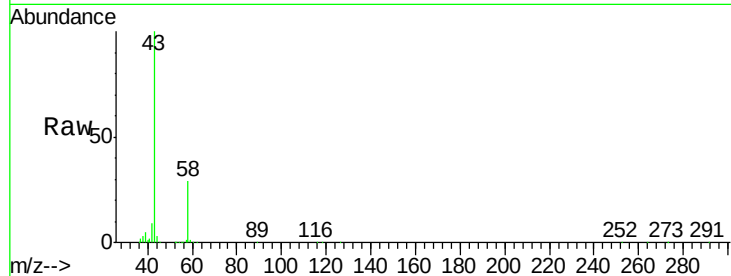
43 100

58 27.0 21.4 32.0

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#17

tert-Butyl alcohol

Concen: 0.642 ppbv m

RT: 4.31 min Scan# 474

Delta R.T. 0.04 min

Lab File: VL034744.D

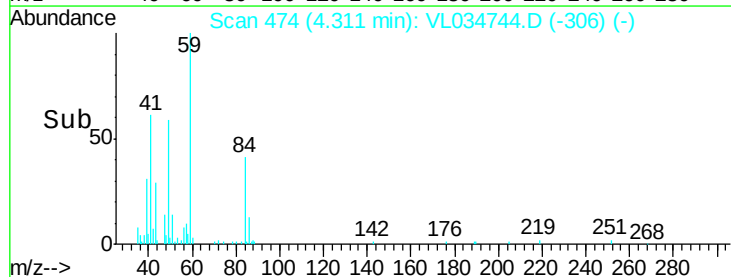
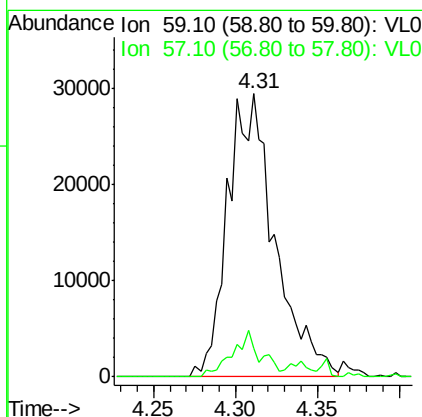
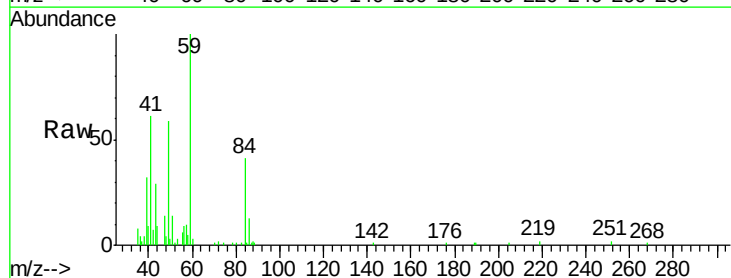
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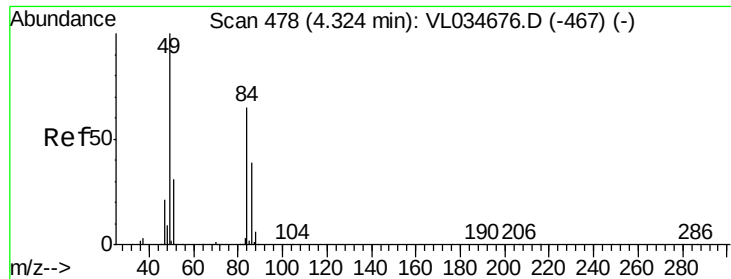
Tgt Ion: 59 Resp: 58731

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#





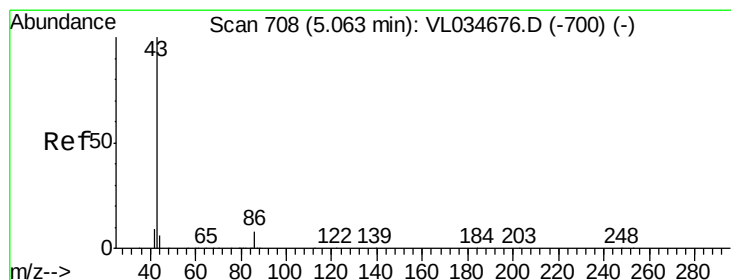
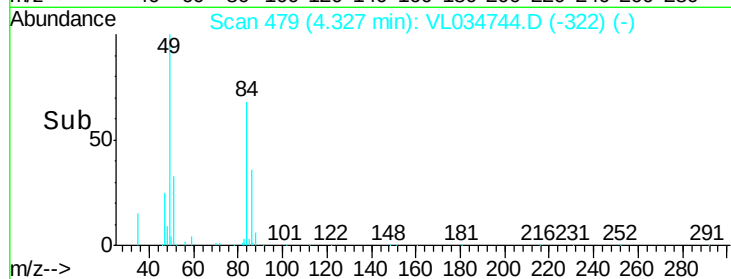
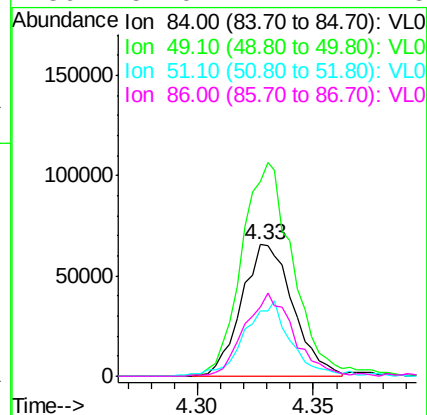
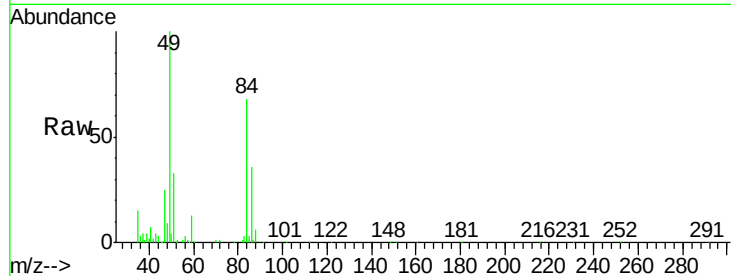
#20
Methylene Chloride
Concen: 2.280 ppbv
RT: 4.33 min Scan# 479
Delta R.T. 0.00 min
Lab File: VL034744.D
Acq: 28 Feb 2020 19:47

Instrument :
MSVOA_L
ClientSampleId :
IA-4-4DL

Tot Ion:	84	Resp:	101283
Ion	Ratio	Lower	Upper
84	100		
49	145.4	122.8	184.2
51	47.6	38.6	58.0
86	52.0	47.7	71.5

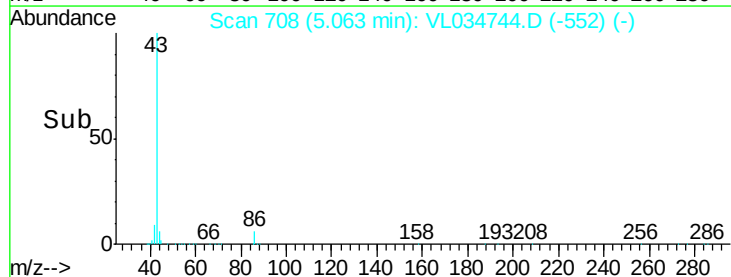
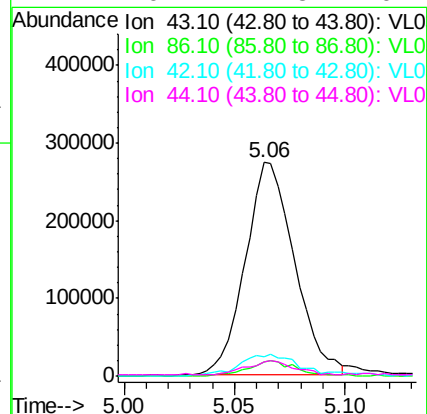
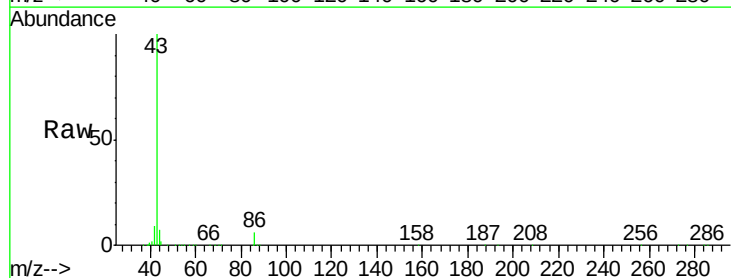
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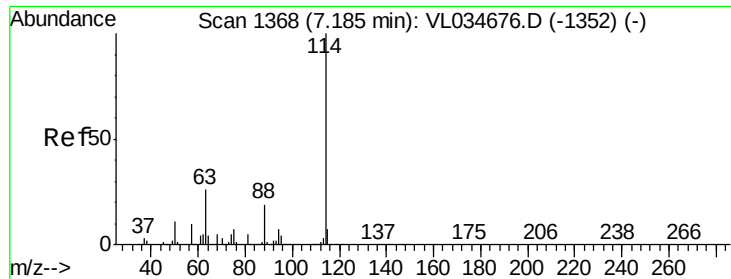
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#23
Vinyl Acetate
Concen: 2.618 ppbv
RT: 5.06 min Scan# 708
Delta R.T. 0.00 min
Lab File: VL034744.D
Acq: 28 Feb 2020 19:47

Tgt Ion:	43	Resp:	425156
Ion	Ratio	Lower	Upper
43	100		
86	6.5	6.0	9.0
42	8.4	8.0	12.0
44	6.1	4.5	6.7





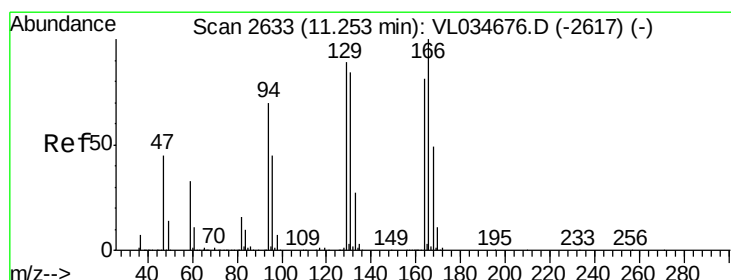
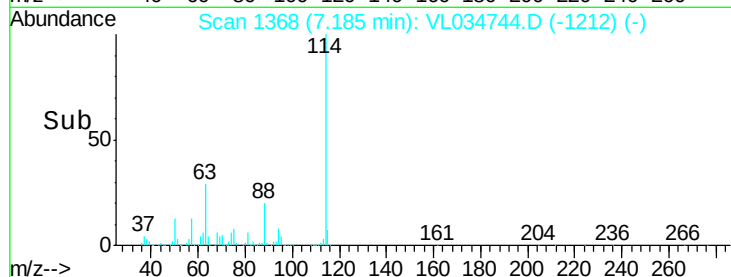
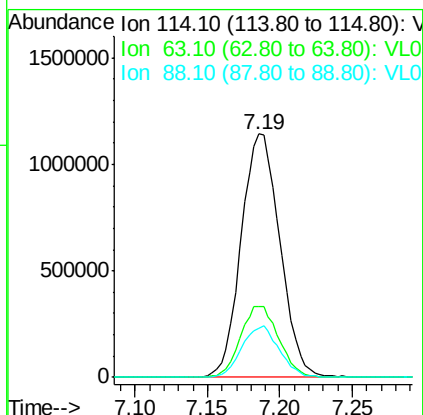
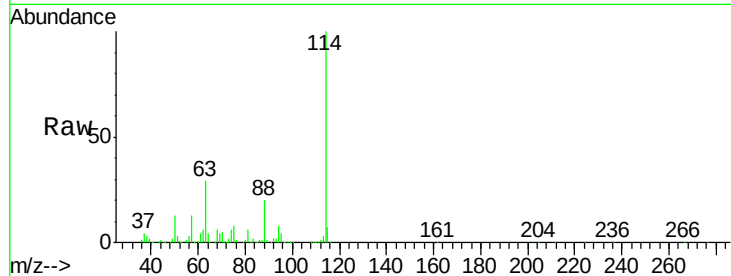
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VL034744.D
 Acq: 28 Feb 2020 19:47

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-4-4DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.1	22.9	34.3
88	20.4	15.8	23.6

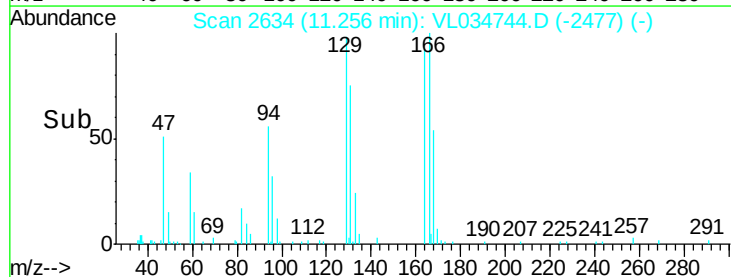
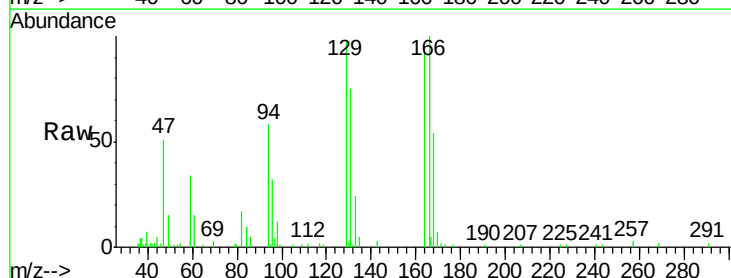
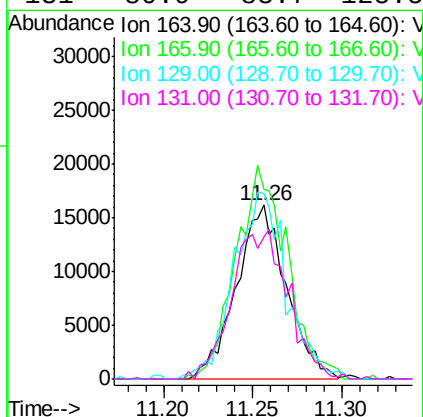
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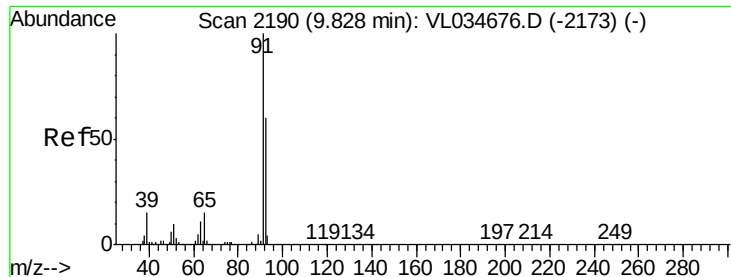
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#52
 Tetrachloroethene
 Concen: 0.473 ppbv
 RT: 11.26 min Scan# 2634
 Delta R.T. 0.00 min
 Lab File: VL034744.D
 Acq: 28 Feb 2020 19:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	106.3	99.2	148.8
129	103.7	88.0	132.0
131	80.9	83.7	125.5#





#53

Toluene

Concen: 4.996 ppbv

RT: 9.83 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VL034744.D

Acq: 28 Feb 2020 19:47

Instrument :

MSVOA_L

ClientSampled :

IA-4-4DL

Tot Ion: 91 Resp: 975650

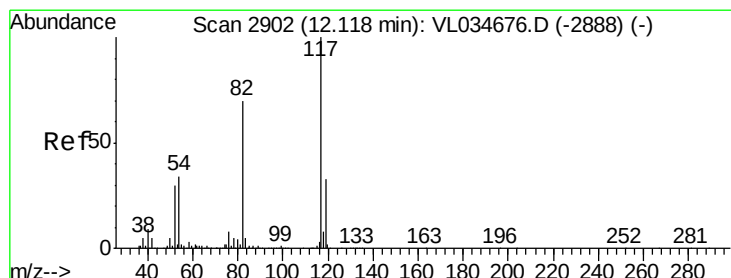
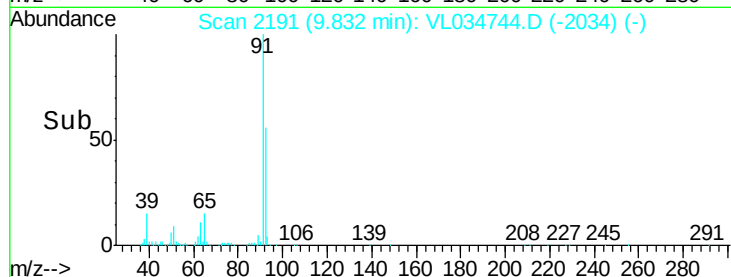
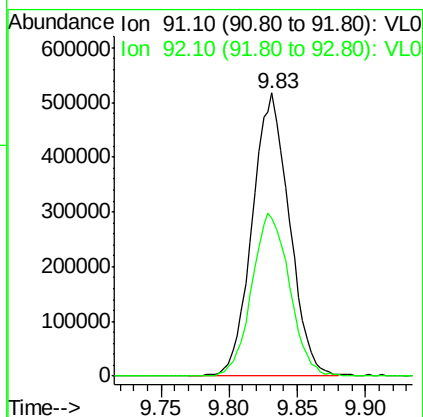
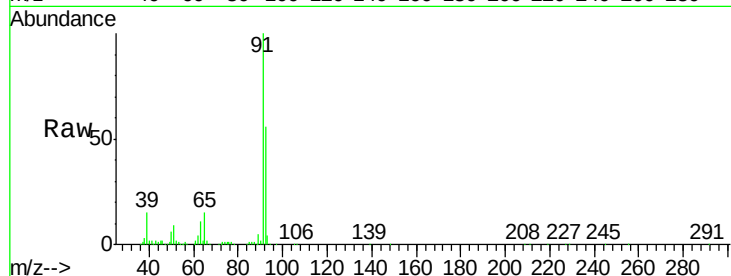
Ion Ratio Lower Upper

91 100

92 58.6 48.5 72.7

Manual Integrations
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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2903

Delta R.T. 0.00 min

Lab File: VL034744.D

Acq: 28 Feb 2020 19:47

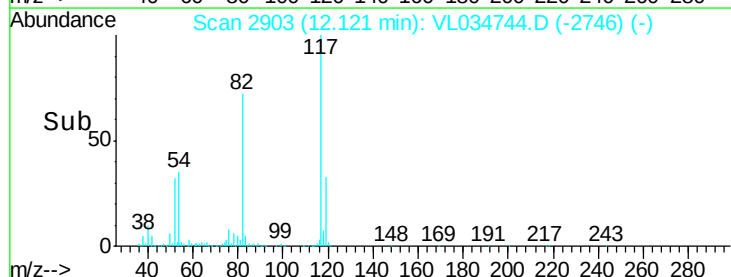
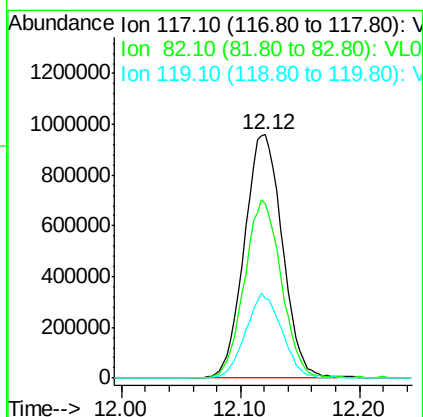
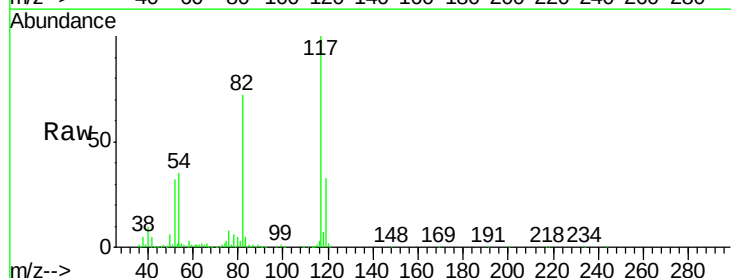
Tgt Ion: 117 Resp: 2120254

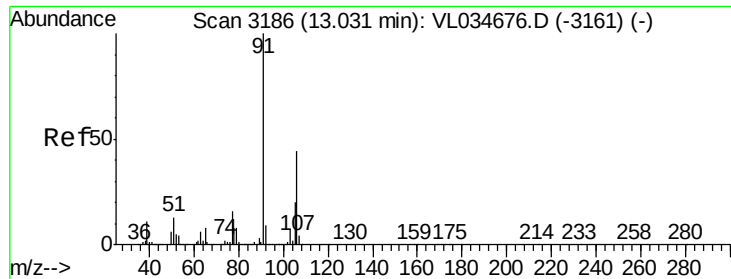
Ion Ratio Lower Upper

117 100

82 71.5 54.1 81.1

119 33.2 27.6 41.4





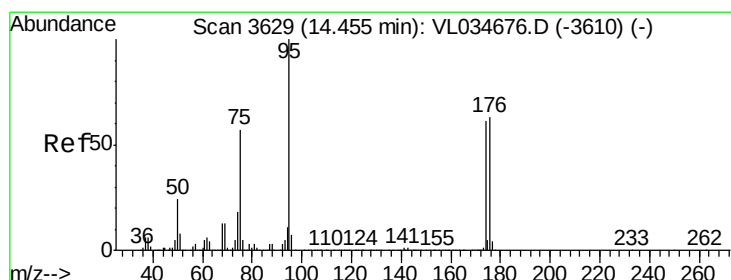
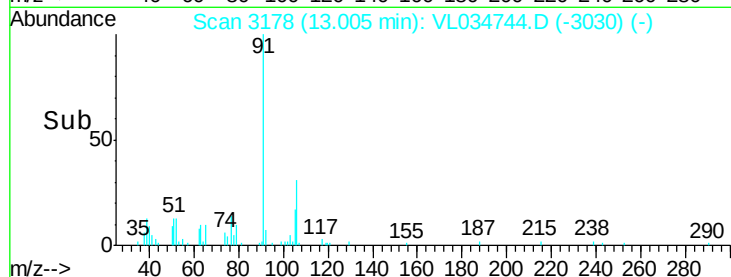
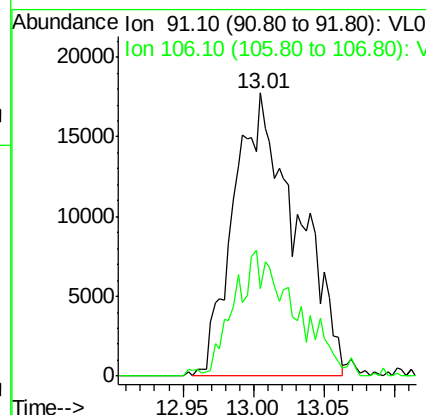
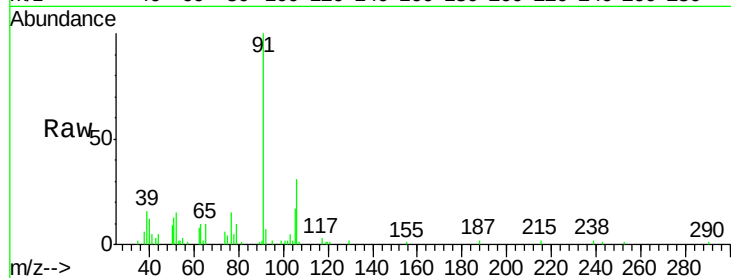
#59
m/p-Xylene
Concen: 0.246 ppbv m
RT: 13.01 min Scan# 3178
Delta R.T. -0.03 min
Lab File: VL034744.D
Acq: 28 Feb 2020 19:47

Instrument :
MSVOA_L
ClientSampleId :
IA-4-4DL

Tot Ion: 91 Resp: 55042
Ion Ratio Lower Upper
91 100
106 0.0 35.6 53.4#

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.214 ppbv
RT: 14.46 min Scan# 3630
Delta R.T. 0.00 min
Lab File: VL034744.D
Acq: 28 Feb 2020 19:47

Tgt Ion: 95 Resp: 1775680
Ion Ratio Lower Upper
95 100
174 63.6 50.7 76.1
175 4.5 3.9 5.9

