

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051220\
 Data File : VL034991.D
 Acq On : 12 May 2020 17:42
 Operator : SY/AP
 Sample : L2567-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-5DL

Manual Integrations
 APPROVED

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 5/18/2020 2:08:20 PM

Quant Time: May 14 09:18:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1086949	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2498460	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.11	117	2323822	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	1917783	10.20	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.98	41	28353	0.527	ppbv #	71
13) Ethanol	3.57	45	2664771	149.962	ppbv	98
15) Acetone	3.82	43	356505m	2.481	ppbv	
19) Isopropyl Alcohol	3.94	45	823789	8.596	ppbv	100
20) Methylene Chloride	4.31	84	51031	1.073	ppbv #	83
26) Hexane	5.67	57	103032	0.985	ppbv #	65
38) Trichloroethene	7.83	130	10624m	0.133	ppbv	
52) Tetrachloroethene	11.24	164	61361	0.838	ppbv	96
53) Toluene	9.82	91	1319770	6.044	ppbv	98
58) Ethyl Benzene	12.73	91	44406	0.155	ppbv	91
59) m/p-Xylene	13.00	91	131466m	0.520	ppbv	
60) o-Xylene	13.72	91	39500m	0.158	ppbv	
61) Styrene	13.55	104	29805	0.189	ppbv	97

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

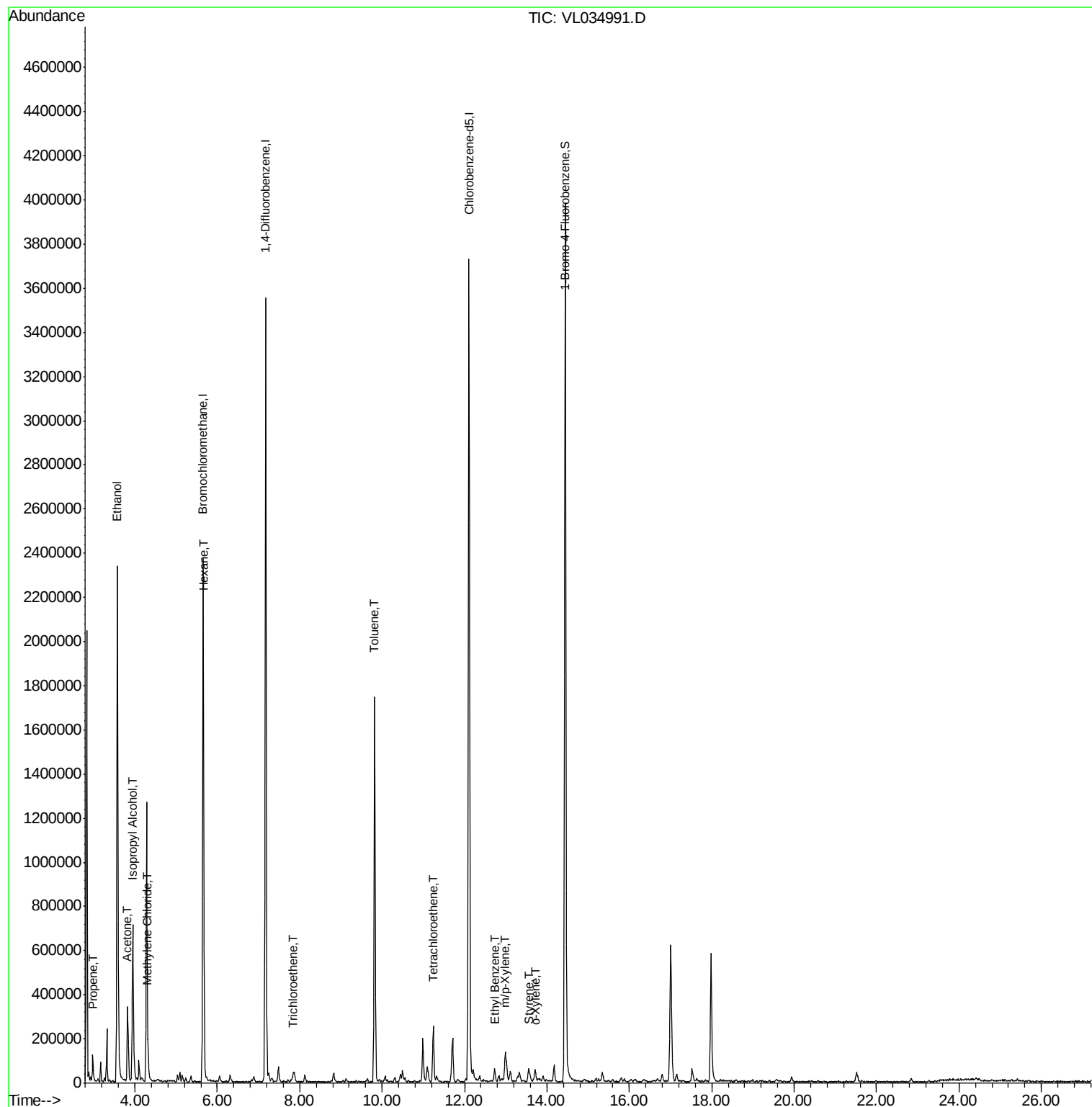
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051220\
Data File : VL034991.D
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Operator : SY/AP
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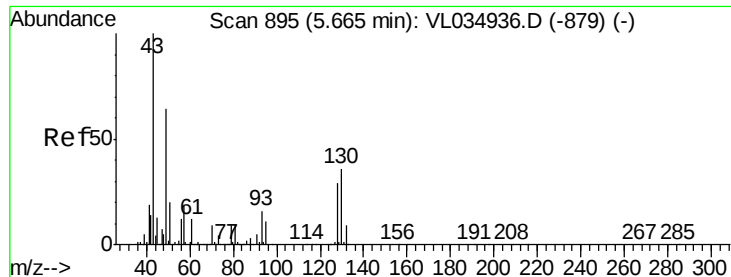
Instrument :
MSVOA_L
ClientSampleId :
IA-5DL

Manual Integrations
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Quant Time: May 14 09:18:36 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed May
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration





#1

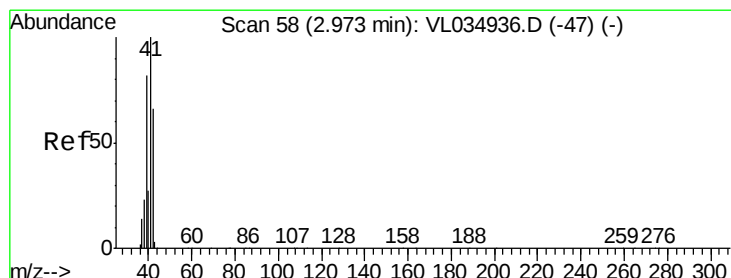
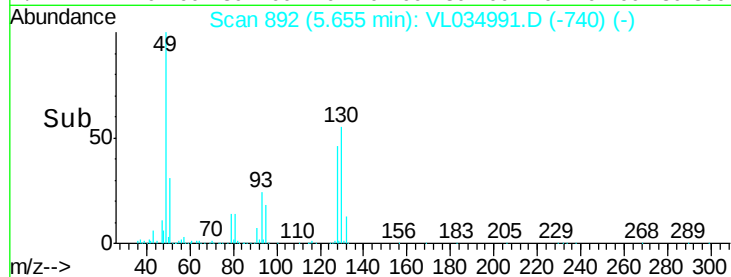
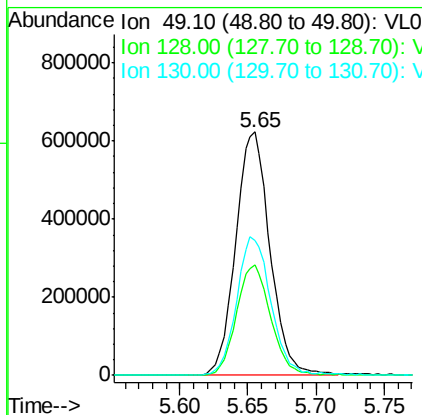
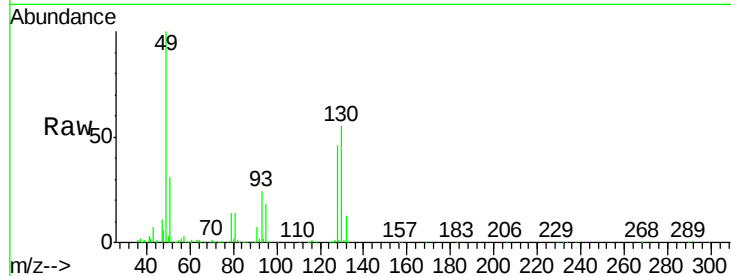
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 892
 Delta R.T. -0.01 min
 Lab File: VL034991.D
 Acq: 12 May 2020 17:42

Instrument :
 MSVOA_L
 ClientSampled :
 IA-5DL

Tot Ion	Ratio	Lower	Upper
49	100		
128	45.6	22.1	66.5
130	57.6	29.1	87.3

Manual Integrations
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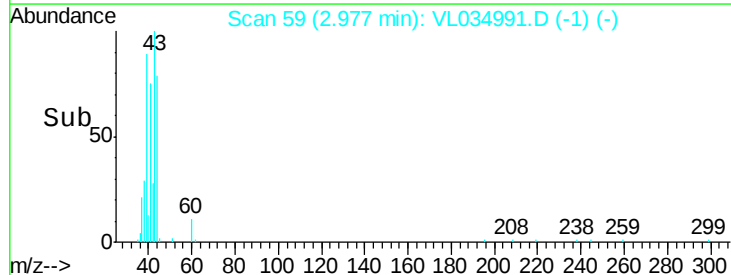
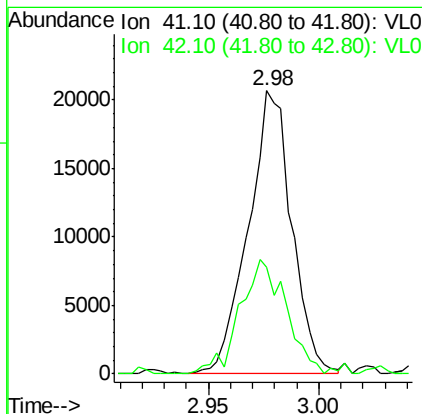
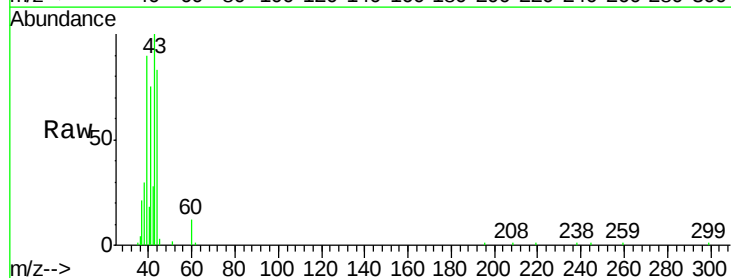
MMDadoda
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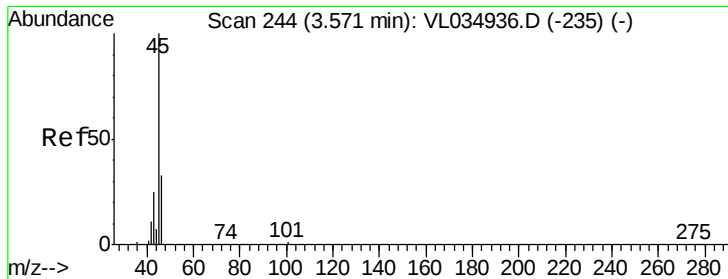


#9

Propene
 Concen: 0.527 ppbv
 RT: 2.98 min Scan# 59
 Delta R.T. 0.00 min
 Lab File: VL034991.D
 Acq: 12 May 2020 17:42

Tgt Ion	Ratio	Lower	Upper
41	100		
42	44.8	54.5	81.7#





#13

Ethanol

Concen: 149.962 ppbv

RT: 3.57 min Scan# 244

Delta R.T. -0.00 min

Lab File: VL034991.D

Acq: 12 May 2020 17:42

Instrument :

MSVOA_L

ClientSampled :

IA-5DL

Tot Ion: 45 Resp: 2664771

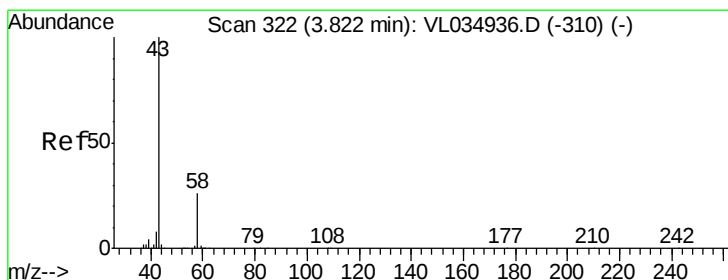
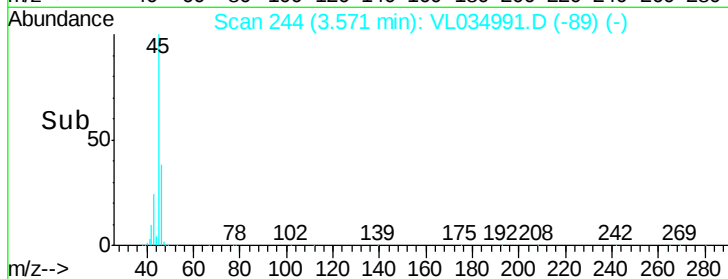
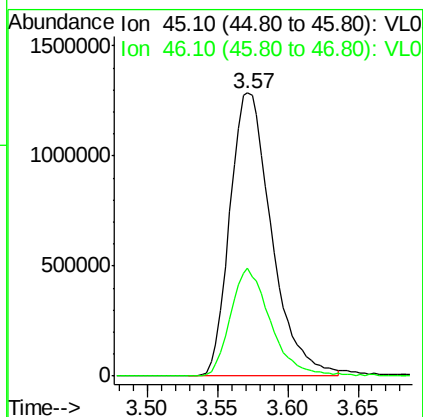
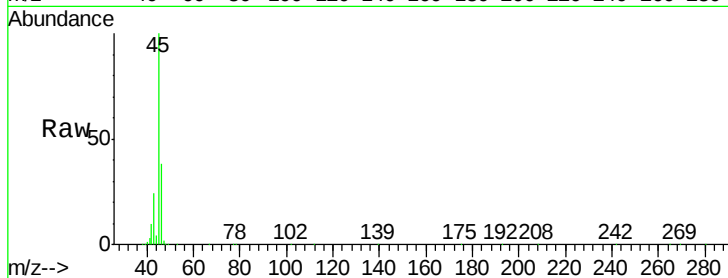
Ion Ratio Lower Upper

45 100

46 37.0 14.3 57.3

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#15

Acetone

Concen: 2.481 ppbv m

RT: 3.82 min Scan# 320

Delta R.T. -0.01 min

Lab File: VL034991.D

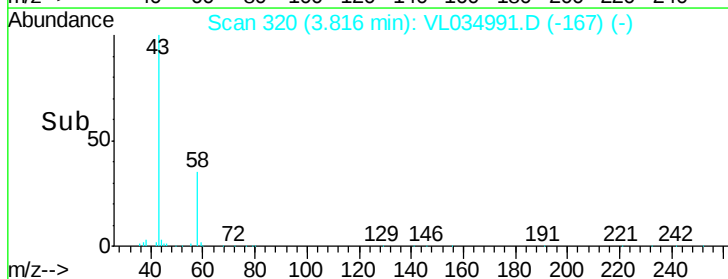
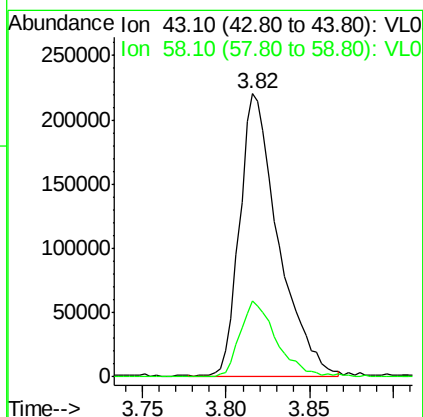
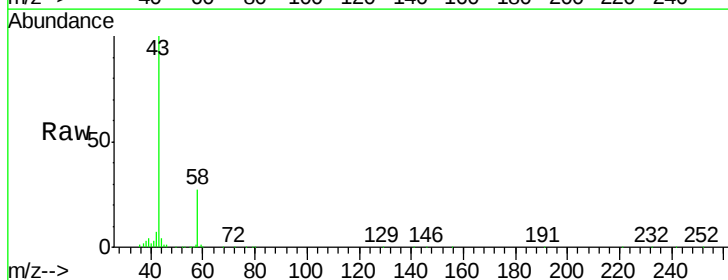
Acq: 12 May 2020 17:42

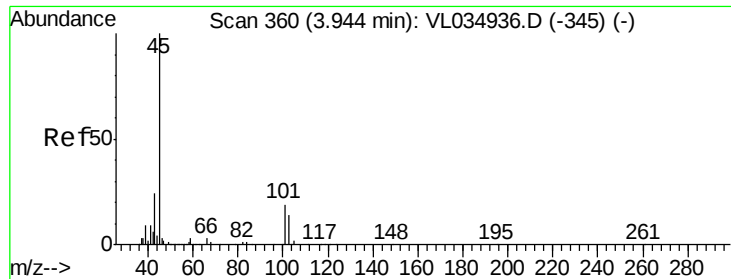
Tgt Ion: 43 Resp: 356505

Ion Ratio Lower Upper

43 100

58 25.4 21.7 32.5





#19

Isopropyl Alcohol

Concen: 8.596 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.00 min

Lab File: VL034991.D

Acq: 12 May 2020 17:42

Instrument :

MSVOA_L

ClientSampleId :

IA-5DL

Tot Ion: 45 Resp: 823789

Ion Ratio Lower Upper

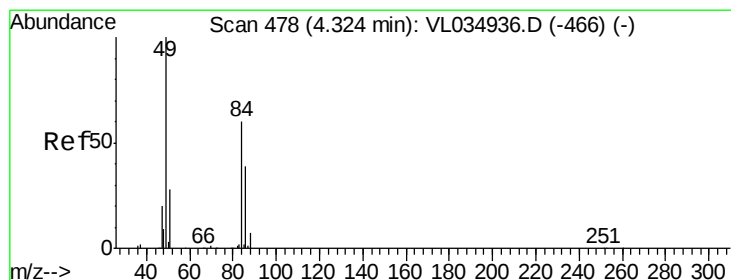
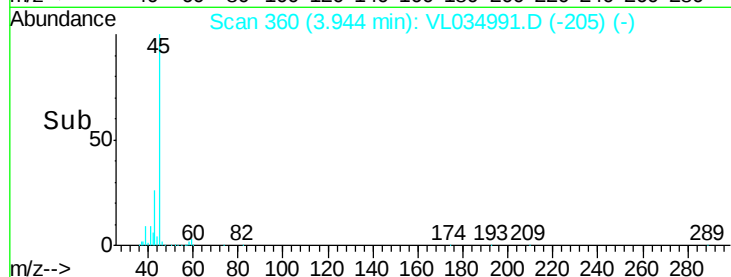
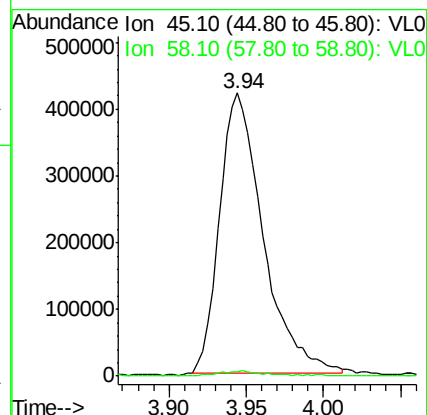
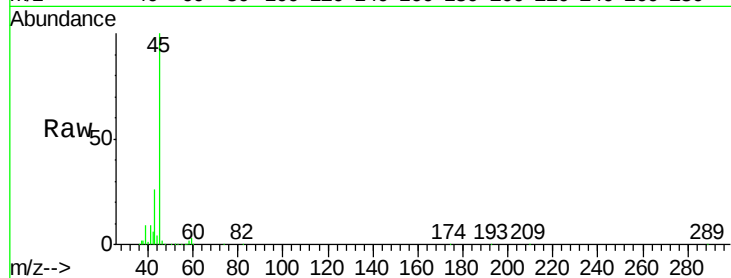
45 100

58 2.2 1.7 2.5

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#20

Methylene Chloride

Concen: 1.073 ppbv

RT: 4.31 min Scan# 475

Delta R.T. -0.01 min

Lab File: VL034991.D

Acq: 12 May 2020 17:42

Tgt Ion: 84 Resp: 51031

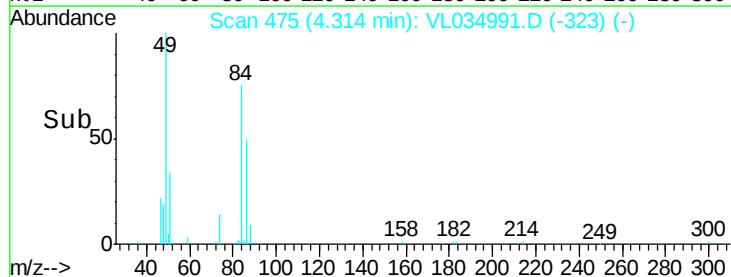
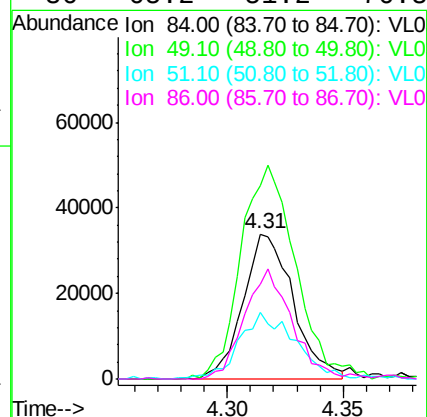
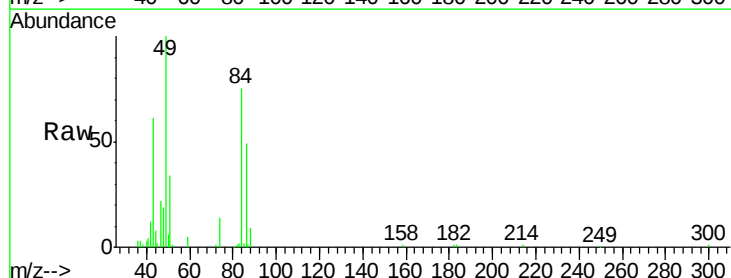
Ion Ratio Lower Upper

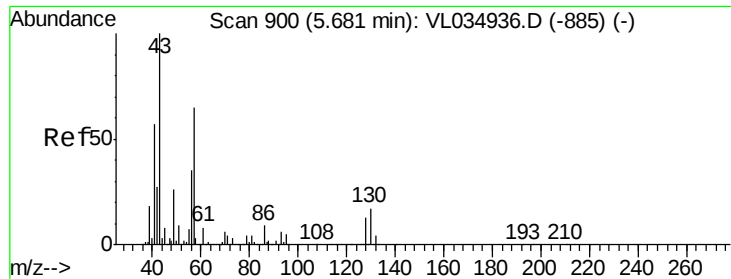
84 100

49 130.9 132.5 198.7#

51 44.2 38.4 57.6

86 65.2 51.2 76.8





#26

Hexane

Concen: 0.985 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.01 min

Lab File: VL034991.D

Acq: 12 May 2020 17:42

Instrument :

MSVOA_L

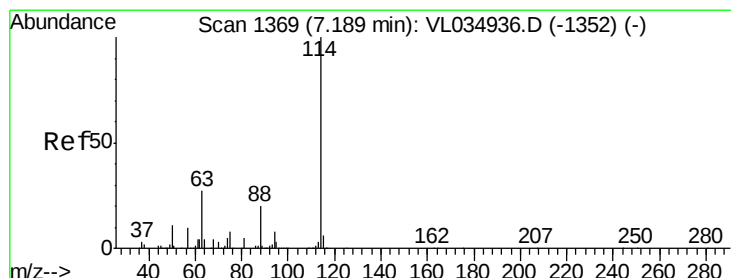
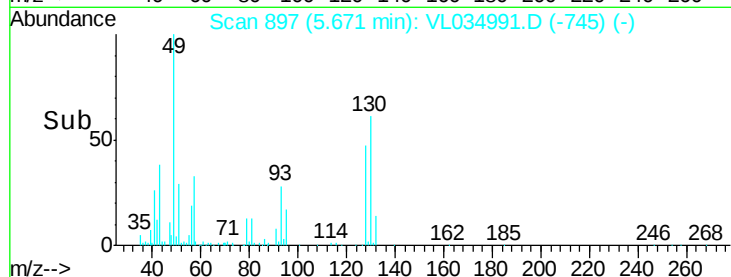
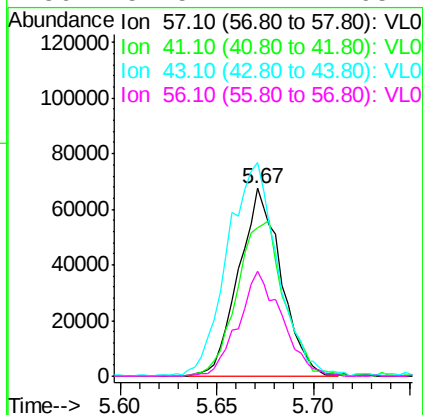
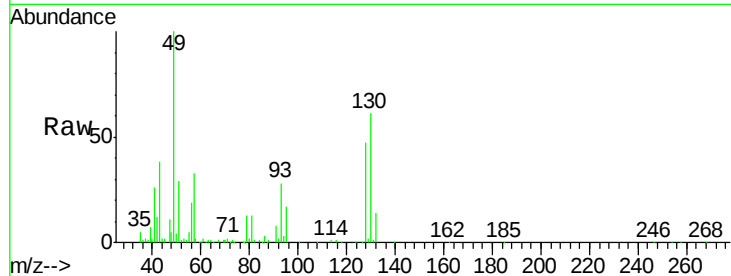
ClientSampled :

IA-5DL

Tot Ion	57	Resp	103032
Ion	Ratio	Lower	Upper
57	100		
41	92.3	72.7	109.1
43	136.2	182.1	273.1#
56	57.5	42.2	63.2

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

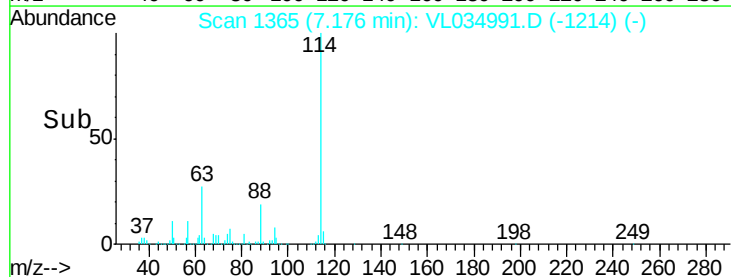
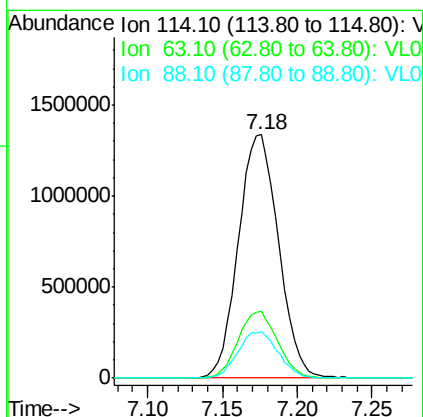
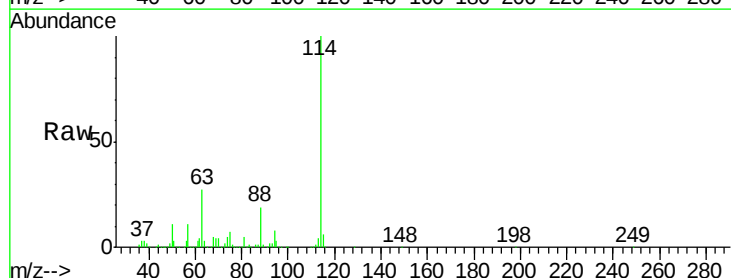
RT: 7.18 min Scan# 1365

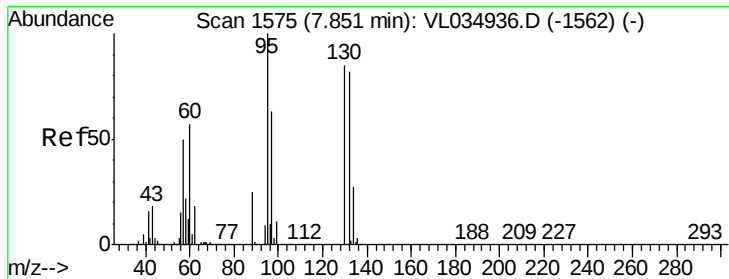
Delta R.T. -0.01 min

Lab File: VL034991.D

Acq: 12 May 2020 17:42

Tgt Ion	114	Resp	2498460
Ion	Ratio	Lower	Upper
114	100		
63	27.0	22.2	33.4
88	19.1	15.5	23.3





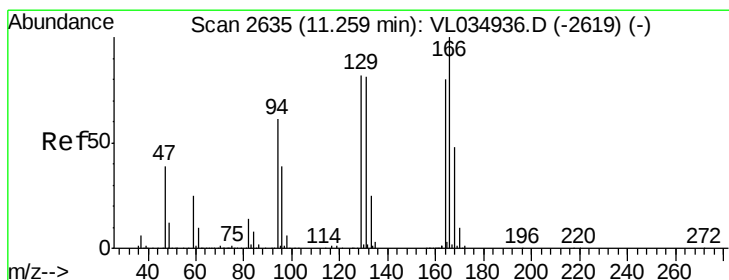
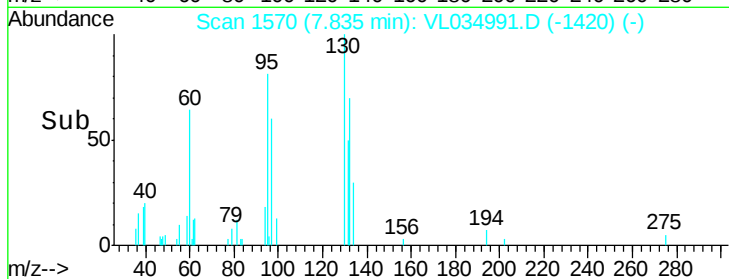
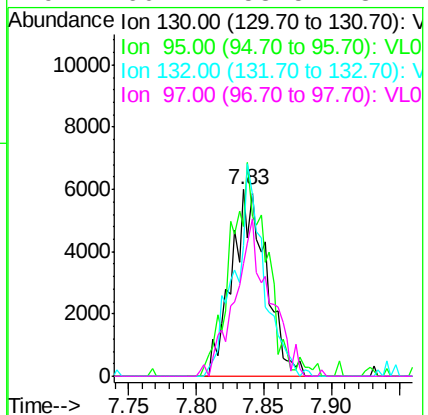
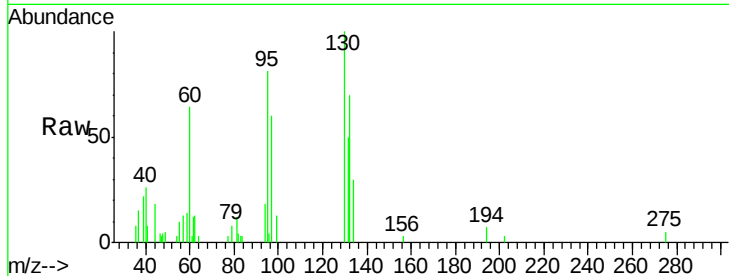
#38
 Trichloroethene
 Concen: 0.133 ppbv m
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.02 min
 Lab File: VL034991.D
 Acq: 12 May 2020 17:42

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-5DL

Tot Ion:	130	Resp:	10624
Ion Ratio	Lower	Upper	
130	100		
95	80.5	93.4	140.0#
132	70.3	76.4	114.6#
97	60.4	58.5	87.7

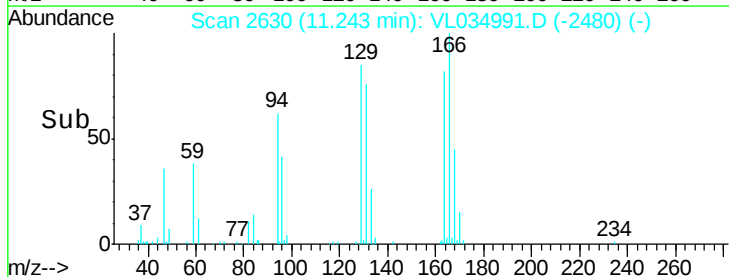
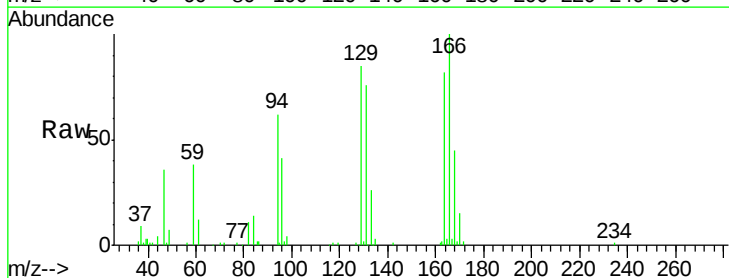
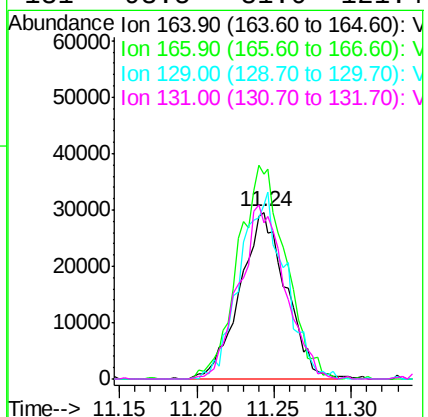
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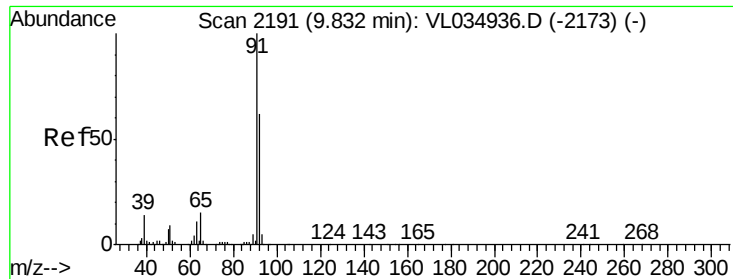
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#52
 Tetrachloroethene
 Concen: 0.838 ppbv
 RT: 11.24 min Scan# 2630
 Delta R.T. -0.02 min
 Lab File: VL034991.D
 Acq: 12 May 2020 17:42

Tgt Ion:	164	Resp:	61361
Ion Ratio	Lower	Upper	
164	100		
166	122.6	100.7	151.1
129	104.1	83.0	124.4
131	93.5	81.0	121.4





#53

Toluene

Concen: 6.044 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. -0.02 min

Lab File: VL034991.D

Acq: 12 May 2020 17:42

Instrument :

MSVOA_L

ClientSampleId :

IA-5DL

Tot Ion: 91 Resp: 1319770

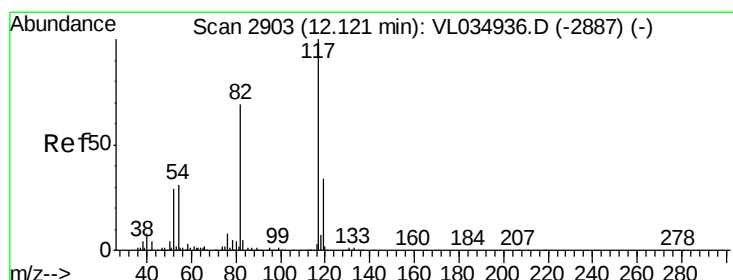
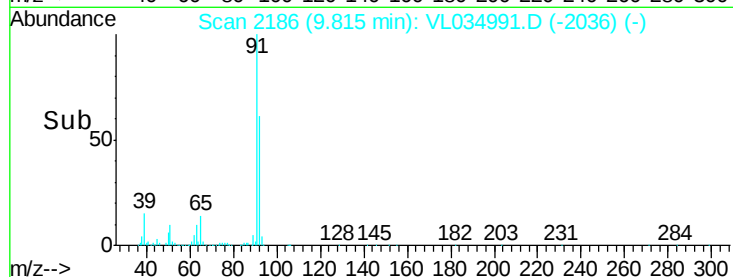
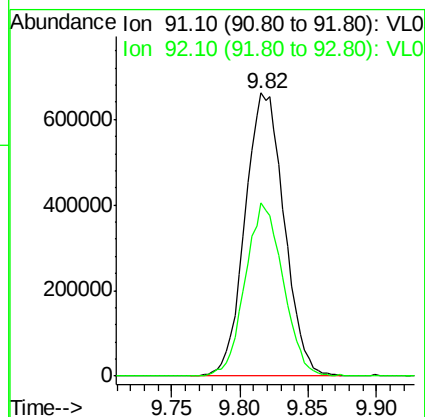
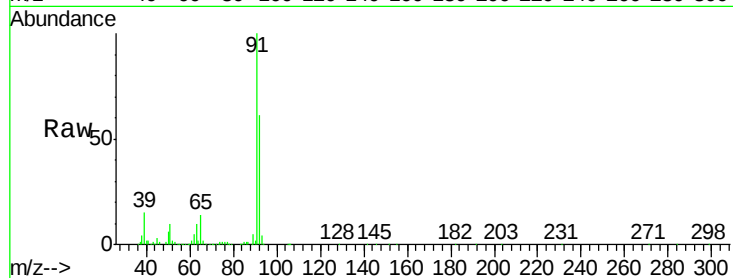
Ion Ratio Lower Upper

91 100

92 59.2 48.6 73.0

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2900

Delta R.T. -0.01 min

Lab File: VL034991.D

Acq: 12 May 2020 17:42

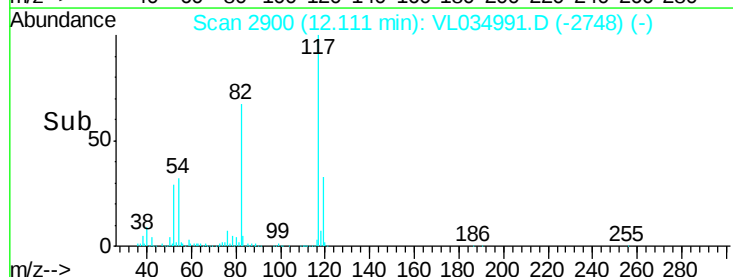
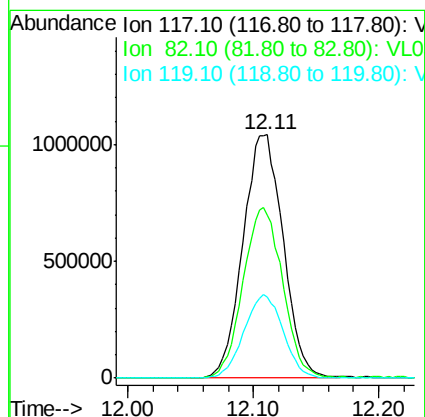
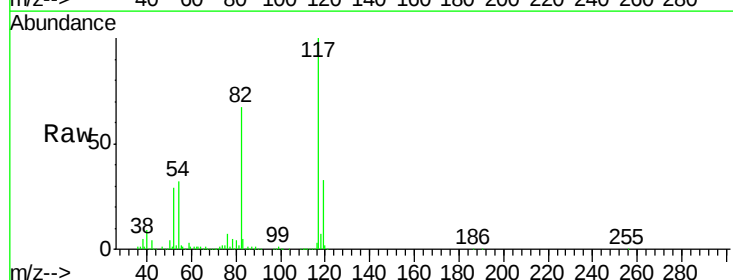
Tgt Ion: 117 Resp: 2323822

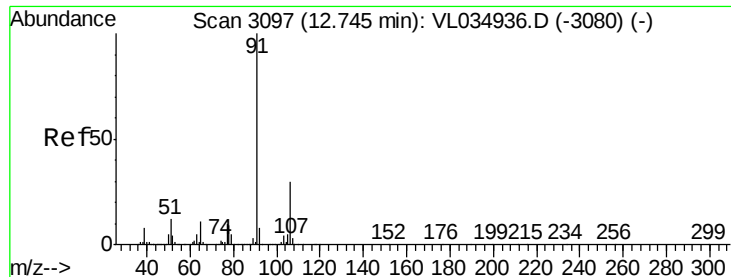
Ion Ratio Lower Upper

117 100

82 69.1 53.1 79.7

119 33.5 26.7 40.1





#58

Ethyl Benzene

Concen: 0.155 ppbv

RT: 12.73 min Scan# 3094

Delta R.T. -0.01 min

Lab File: VL034991.D

Acq: 12 May 2020 17:42

Instrument :

MSVOA_L

ClientSampled :

IA-5DL

Tot Ion: 91 Resp: 44406

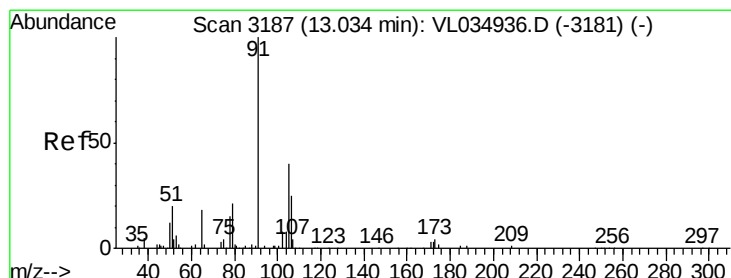
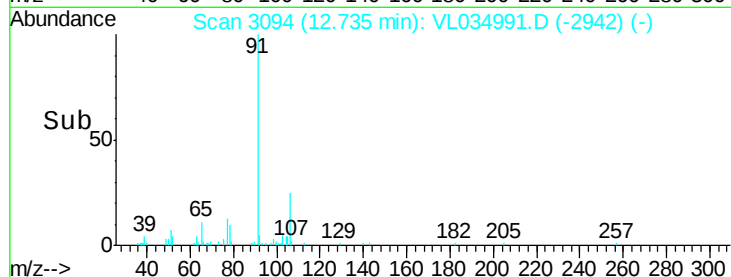
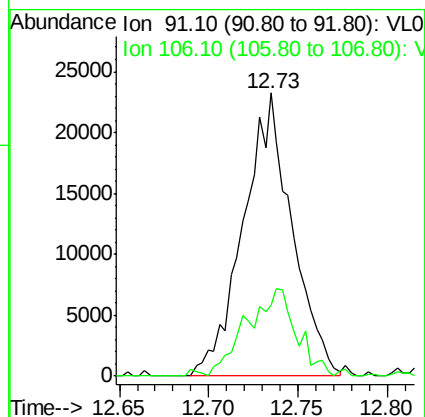
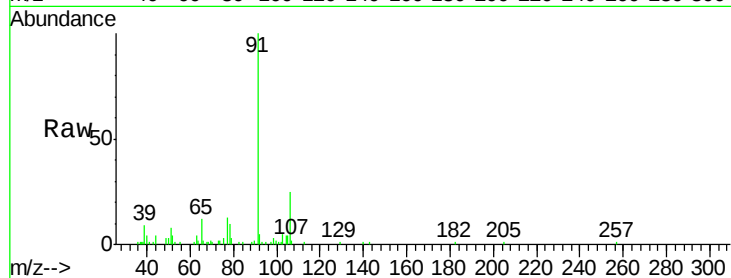
Ion Ratio Lower Upper

91 100

106 25.7 24.2 36.4

Manual Integrations
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#59

m/p-Xylene

Concen: 0.520 ppbv m

RT: 13.00 min Scan# 3175

Delta R.T. -0.04 min

Lab File: VL034991.D

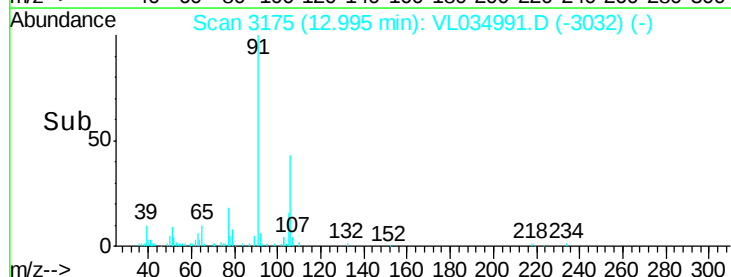
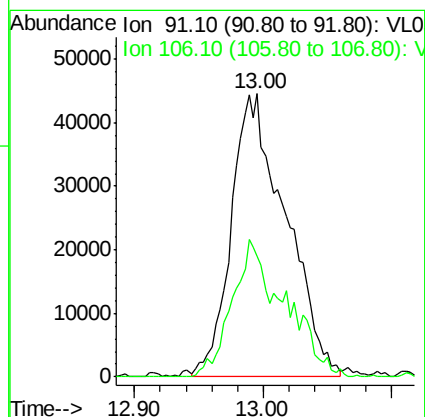
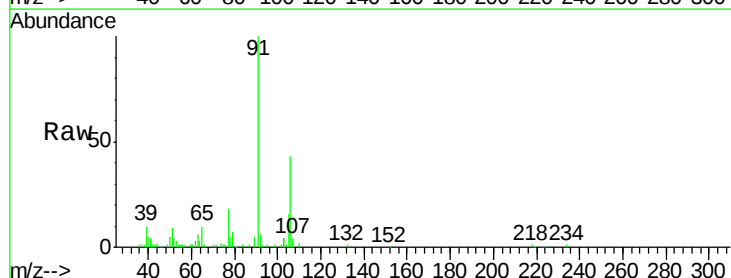
Acq: 12 May 2020 17:42

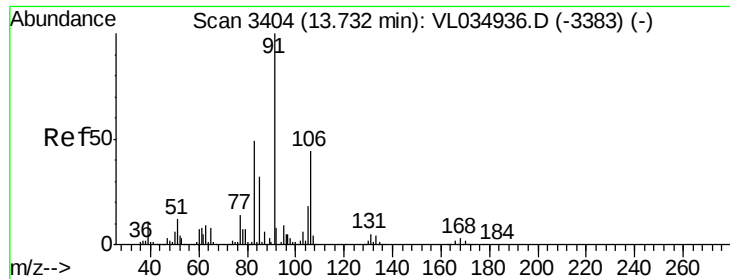
Tgt Ion: 91 Resp: 131466

Ion Ratio Lower Upper

91 100

106 0.0 66.0 99.0#





#60

o-Xylene

Concen: 0.158 ppbv m

RT: 13.72 min Scan# 3400

Delta R.T. -0.01 min

Lab File: VL034991.D

Acq: 12 May 2020 17:42

Instrument :

MSVOA_L

ClientSampleId :

IA-5DL

Tot Ion: 91 Resp: 39500

Ion Ratio Lower Upper

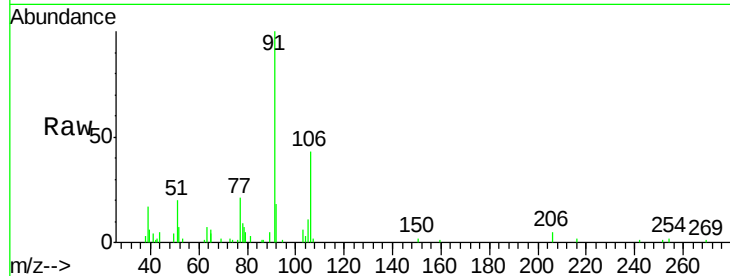
91 100

106 44.4 21.9 65.5

Manual Integrations
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

13.72

15000

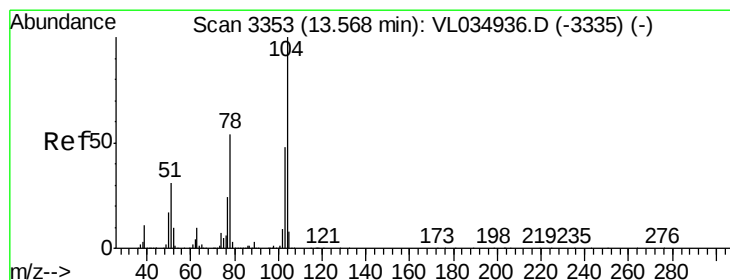
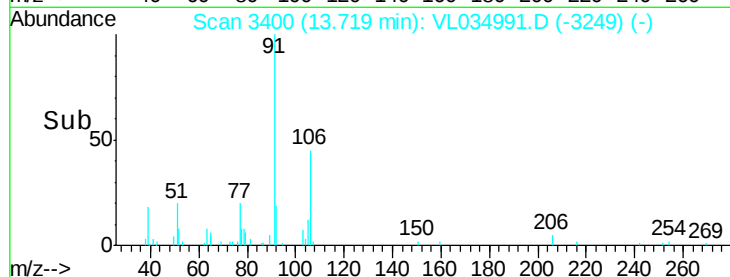
10000

5000

0

13.65 13.70 13.75

Time-->



#61

Styrene

Concen: 0.189 ppbv

RT: 13.55 min Scan# 3349

Delta R.T. -0.01 min

Lab File: VL034991.D

Acq: 12 May 2020 17:42

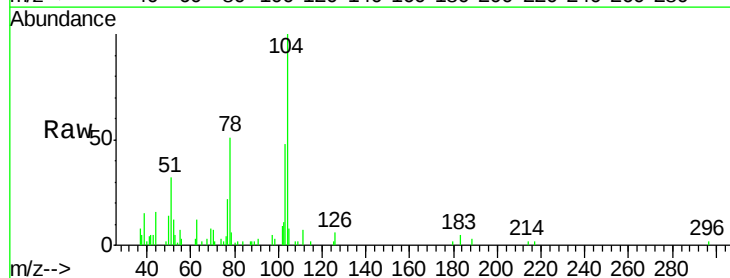
Tgt Ion: 104 Resp: 29805

Ion Ratio Lower Upper

104 100

78 57.0 43.7 65.5

103 47.1 38.8 58.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V

13.55

15000

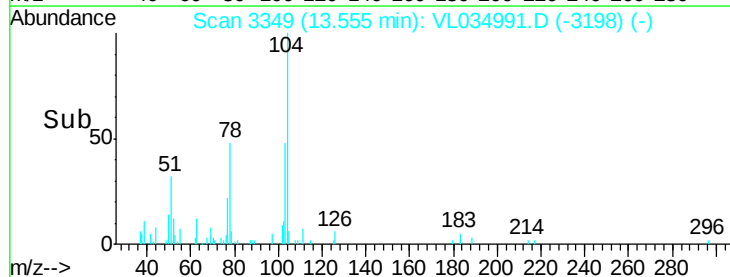
10000

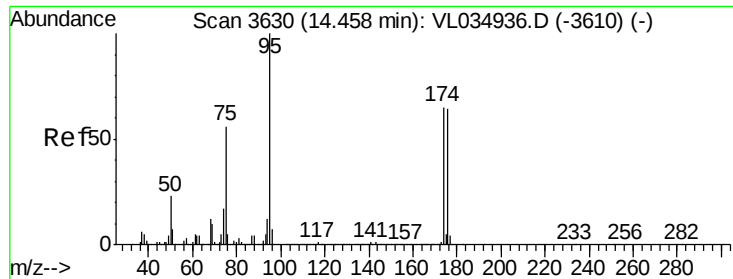
5000

0

13.50 13.55 13.60

Time-->





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.196 ppbv
 RT: 14.44 min Scan# 3625
 Delta R.T. -0.02 min
 Lab File: VL034991.D
 Acq: 12 May 2020 17:42

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-5DL

Tot Ion: 95 Resp: 1917783
 Ion Ratio Lower Upper
 95 100
 174 65.4 51.5 77.3
 175 4.9 3.8 5.8

Manual Integrations
 APPROVED

MMDadoda
 5/18/2020 2:08:20 PM

