

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022620\
 Data File : VL034689.D
 Acq On : 26 Feb 2020 15:39
 Operator : SY/AP
 Sample : L1664-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CR-103-BRW

Manual Integrations
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 2/27/2020 5:19:47 PM

Quant Time: Feb 27 15:45:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed 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	5.66	49	914302	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1905845	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	1848128	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	1557498	10.28	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	33050m	0.229	ppbv	
3) Chlorodifluoromethane	2.95	51	30004m	0.304	ppbv	
4) Chloromethane	3.11	50	29700	0.538	ppbv	90
9) Propene	2.98	41	64643m	1.567	ppbv	
10) Heptane	8.13	43	14966m	0.141	ppbv	
11) Trichlorofluoromethane	3.92	101	36070	0.286	ppbv	90
13) Ethanol	3.57	45	605857	46.498	ppbv	97
15) Acetone	3.82	43	539843	5.182	ppbv	94
19) Isopropyl Alcohol	3.95	45	119253m	1.922	ppbv	
20) Methylene Chloride	4.32	84	63286	1.633	ppbv	88
26) Hexane	5.68	57	172319	2.027	ppbv #	43
35) Carbon Tetrachloride	7.02	117	10386m	0.081	ppbv	
36) Benzene	6.89	78	64657	0.393	ppbv	99
44) 2,2,4-Trimethylpentane	7.88	57	33419m	0.116	ppbv	
53) Toluene	9.82	91	764008	4.364	ppbv	98
59) m/p-Xylene	13.00	91	37360m	0.192	ppbv	

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

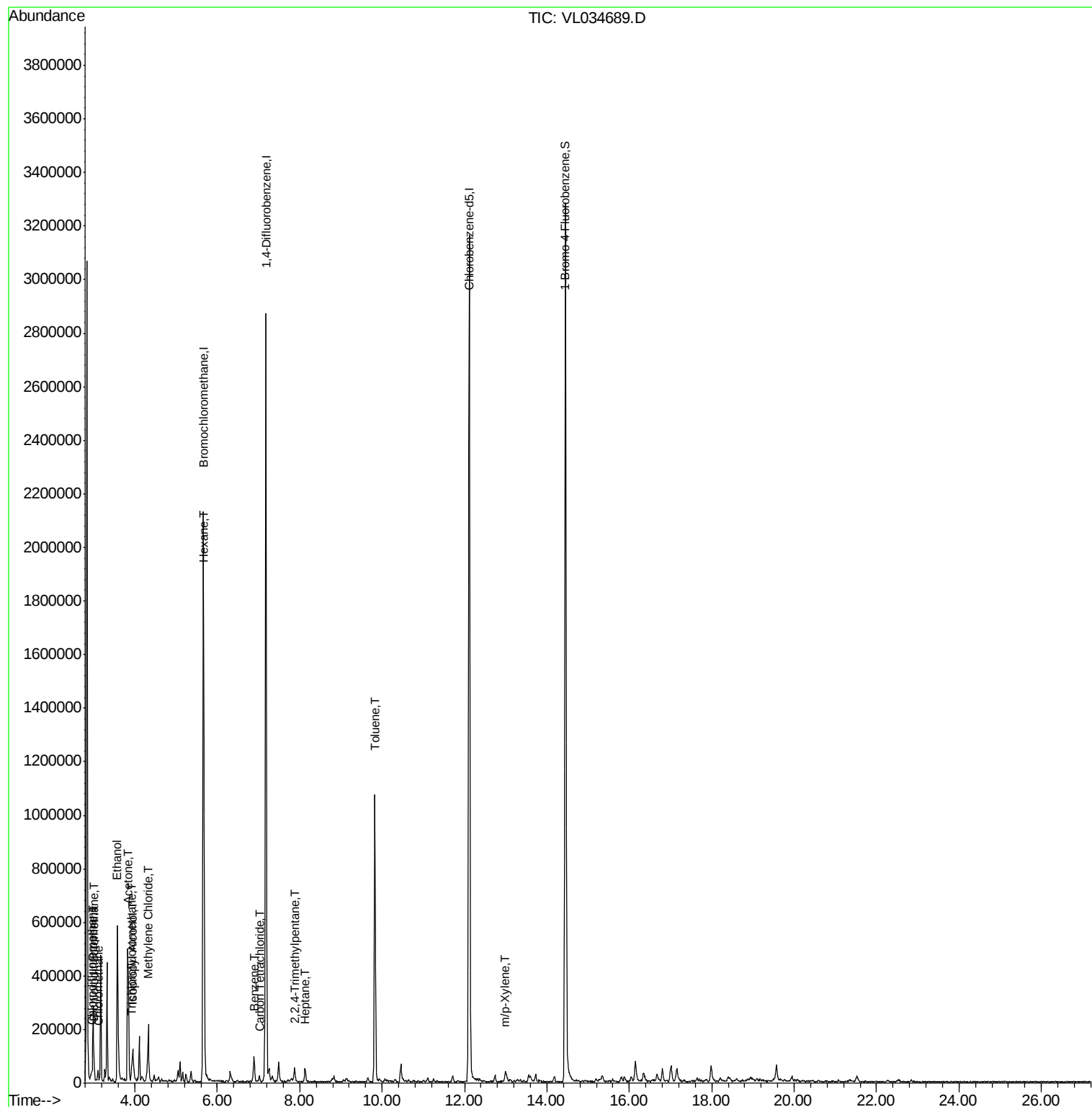
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL022620\
Data File : VL034689.D
Acq On : 26 Feb 2020 15:39
Operator : SY/AP
Sample : L1664-01
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

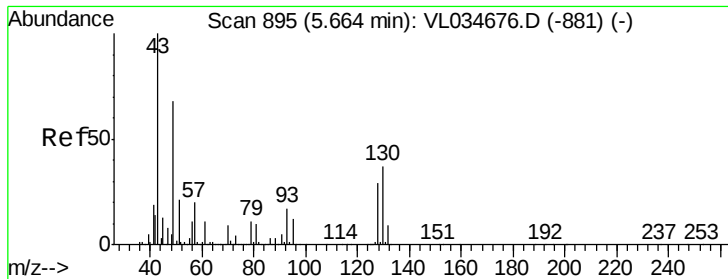
Instrument :
MSVOA_L
ClientSampleId :
CR-103-BRW

Manual Integrations
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Quant Time: Feb 27 15:45:57 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: 5.66 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL034689.D

Acq: 26 Feb 2020 15:39

Instrument :

MSVOA_L

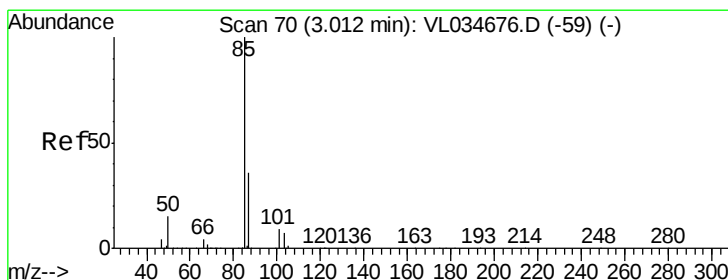
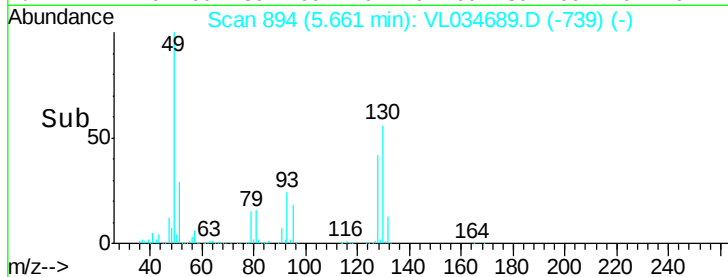
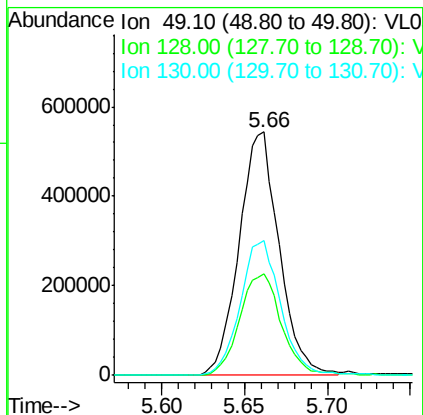
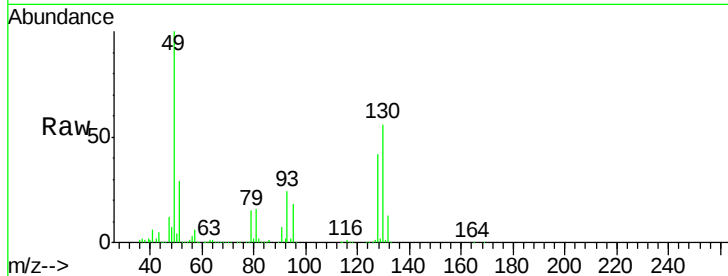
ClientSampleId :

CR-103-BRW

Tot Ion:	49	Resp:	914302
Ion	Ratio	Lower	Upper
49	100		
128	43.6	21.6	65.0
130	56.3	27.7	83.1

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#2

Dichlorodifluoromethane

Concen: 0.229 ppbv m

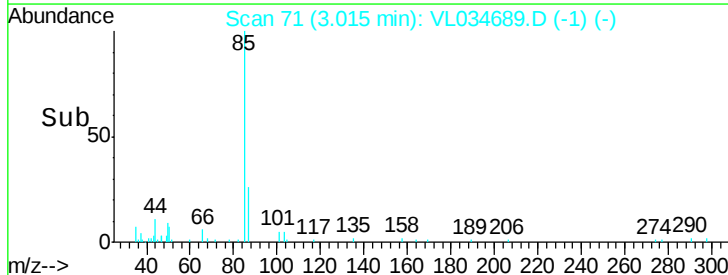
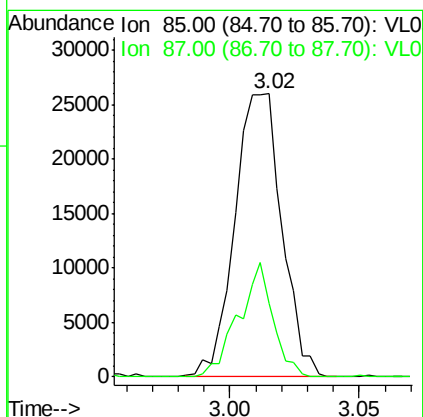
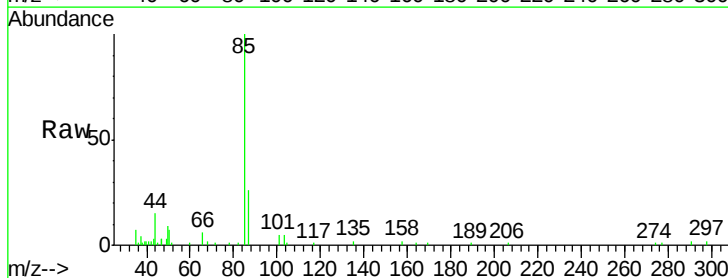
RT: 3.02 min Scan# 71

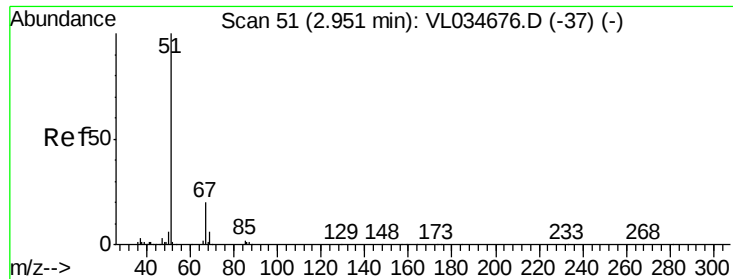
Delta R.T. 0.00 min

Lab File: VL034689.D

Acq: 26 Feb 2020 15:39

Tgt Ion:	85	Resp:	33050
Ion	Ratio	Lower	Upper
85	100		
87	25.8	29.2	43.8#





#3

Chlorodifluoromethane

Concen: 0.304 ppbv

RT: 2.95 min Scan# 51

Delta R.T. 0.00 min

Lab File: VL034689.D

Acq: 26 Feb 2020 15:39

Instrument :

MSVOA_L

ClientSampleId :

CR-103-BRW

Tot Ion: 51 Resp: 30004

Ion Ratio Lower Upper

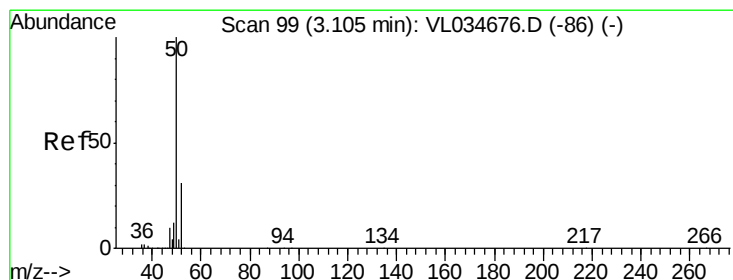
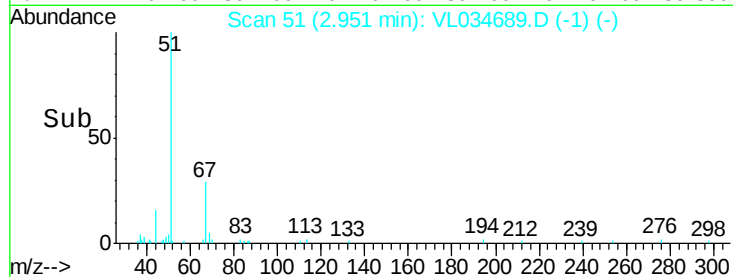
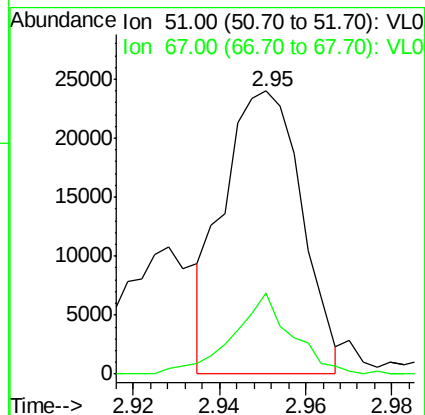
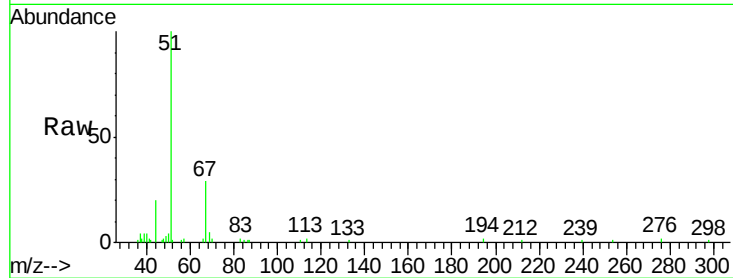
51 100

67 21.7 15.5 23.3

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#4

Chloromethane

Concen: 0.538 ppbv

RT: 3.11 min Scan# 99

Delta R.T. 0.00 min

Lab File: VL034689.D

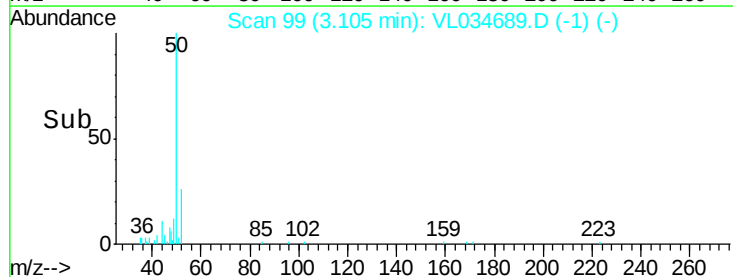
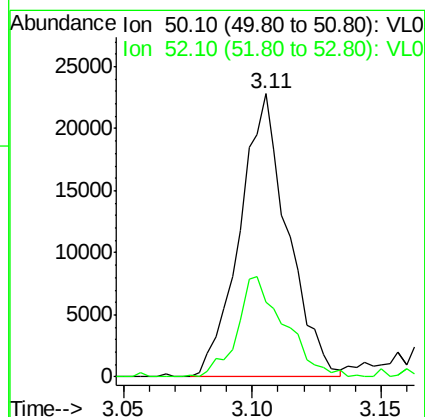
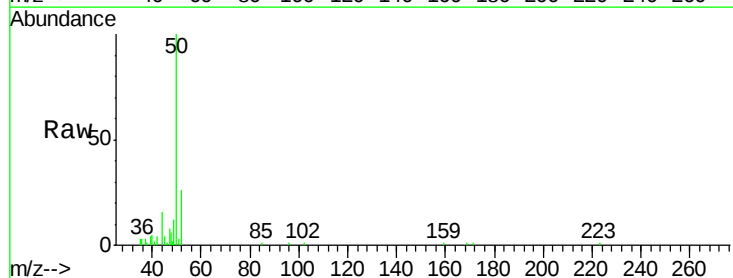
Acq: 26 Feb 2020 15:39

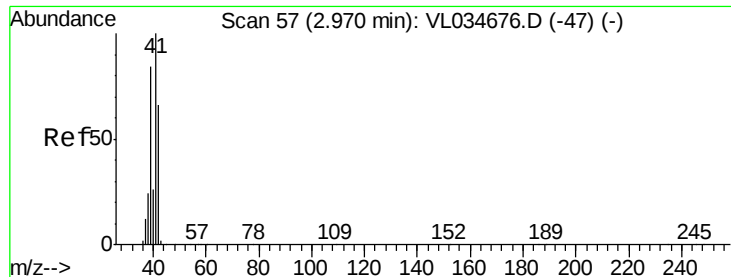
Tgt Ion: 50 Resp: 29700

Ion Ratio Lower Upper

50 100

52 25.5 25.0 37.4





#9

Propene

Concen: 1.567 ppbv m

RT: 2.98 min Scan# 60

Delta R.T. 0.01 min

Lab File: VL034689.D

Acq: 26 Feb 2020 15:39

Instrument :

MSVOA_L

ClientSampleId :

CR-103-BRW

Tot Ion: 41 Resp: 64643

Ion Ratio Lower Upper

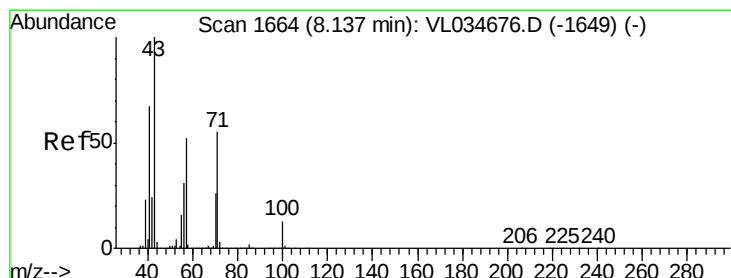
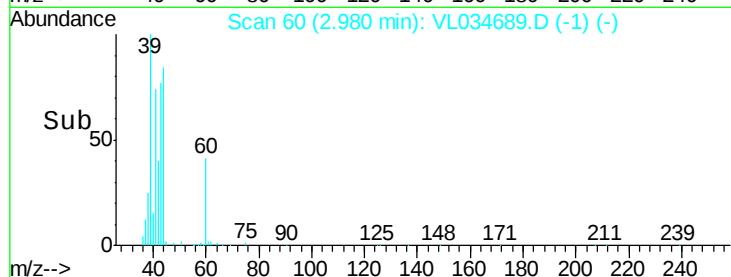
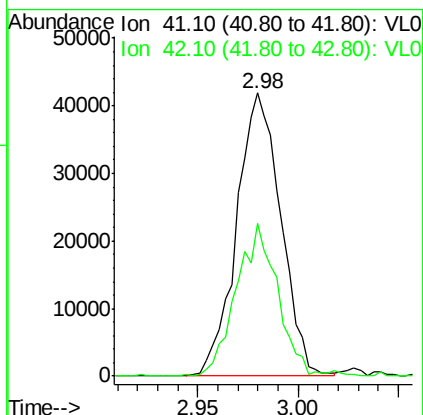
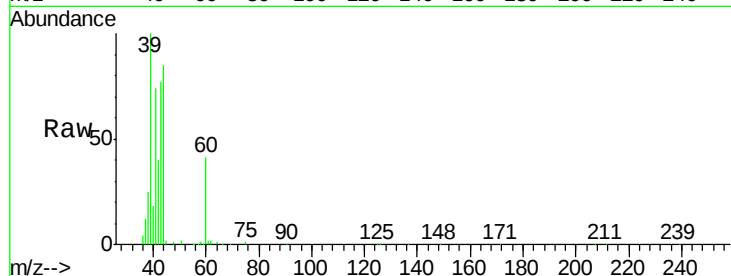
41 100

42 111.4 54.9 82.3#

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#10

Heptane

Concen: 0.141 ppbv m

RT: 8.13 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VL034689.D

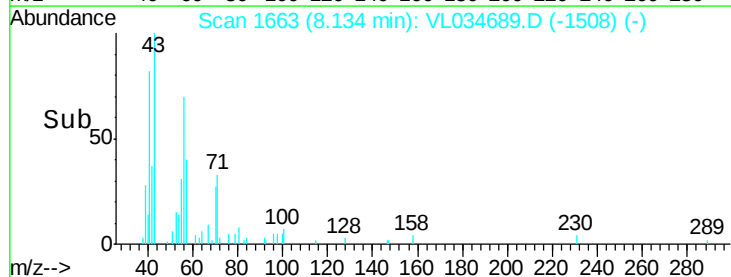
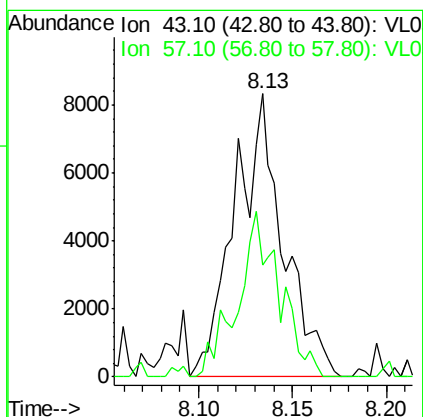
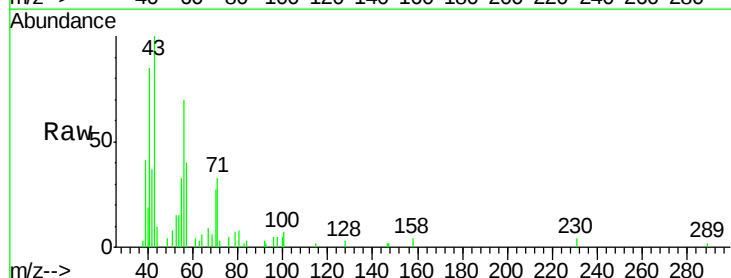
Acq: 26 Feb 2020 15:39

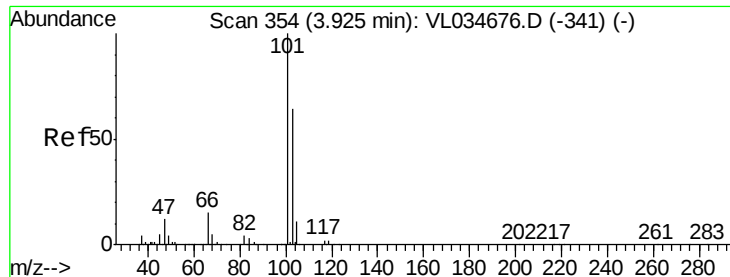
Tgt Ion: 43 Resp: 14966

Ion Ratio Lower Upper

43 100

57 51.8 41.0 61.6





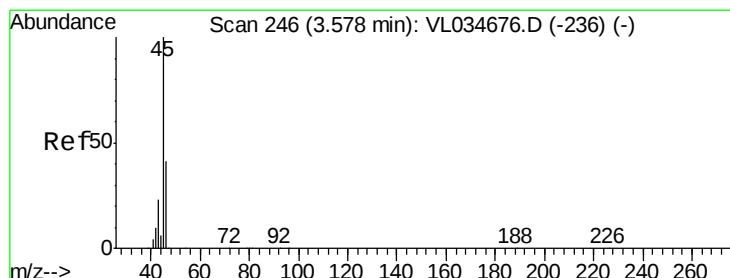
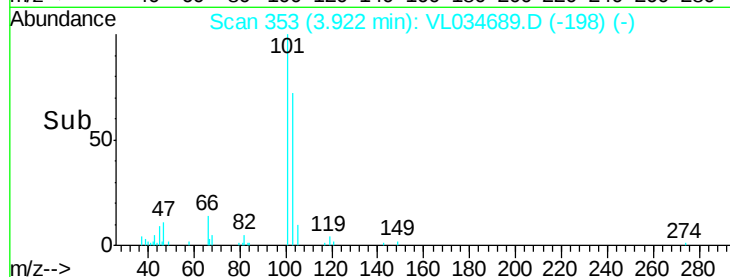
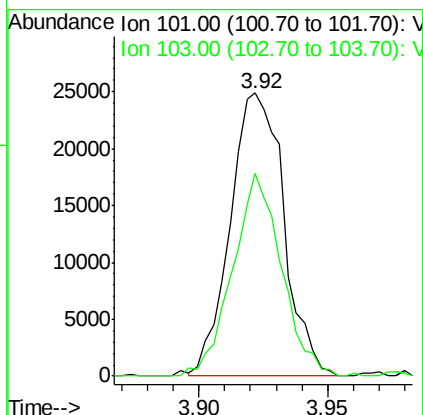
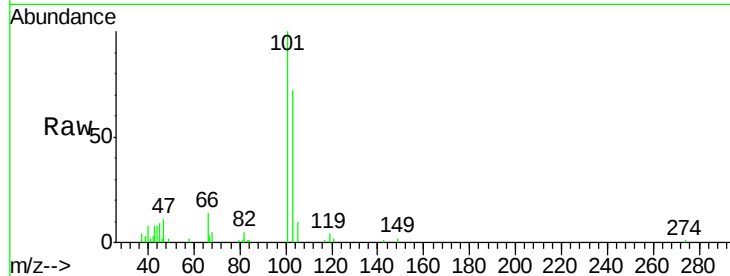
#11
Trichlorofluoromethane
Concen: 0.286 ppbv
RT: 3.92 min Scan# 353
Delta R.T. -0.00 min
Lab File: VL034689.D
Acq: 26 Feb 2020 15:39

Instrument :
MSVOA_L
ClientSampleId :
CR-103-BRW

Tot Ion: 101 Resp: 36070
Ion Ratio Lower Upper
101 100
103 71.7 51.2 76.8

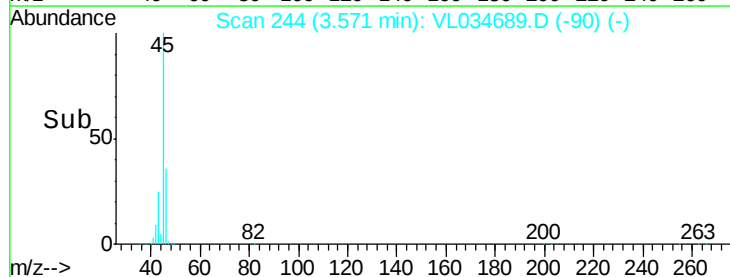
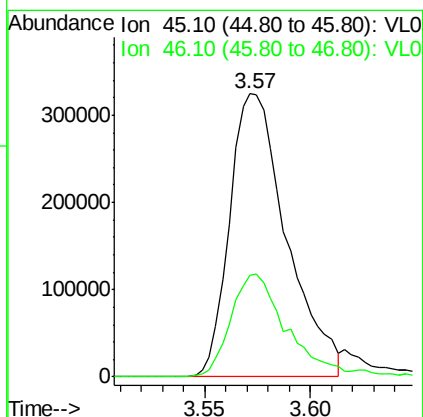
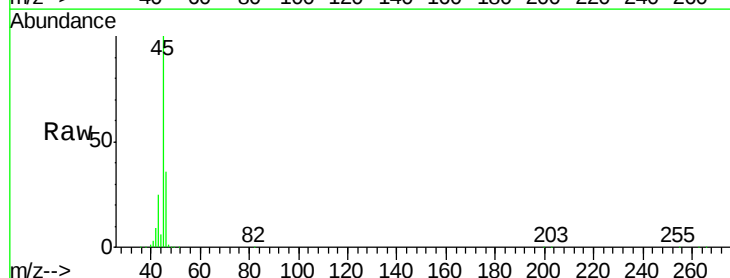
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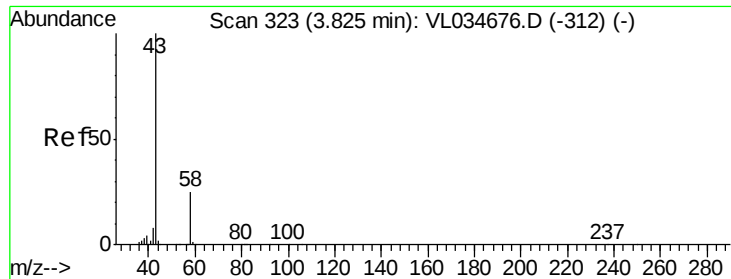
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#13
Ethanol
Concen: 46.498 ppbv
RT: 3.57 min Scan# 244
Delta R.T. -0.01 min
Lab File: VL034689.D
Acq: 26 Feb 2020 15:39

Tgt Ion: 45 Resp: 605857
Ion Ratio Lower Upper
45 100
46 36.9 15.4 61.4





#15

Acetone

Concen: 5.182 ppbv

RT: 3.82 min Scan# 322

Delta R.T. -0.00 min

Lab File: VL034689.D

Acq: 26 Feb 2020 15:39

Instrument :

MSVOA_L

ClientSampleId :

CR-103-BRW

Tot Ion: 43 Resp: 539843

Ion Ratio Lower Upper

43 100

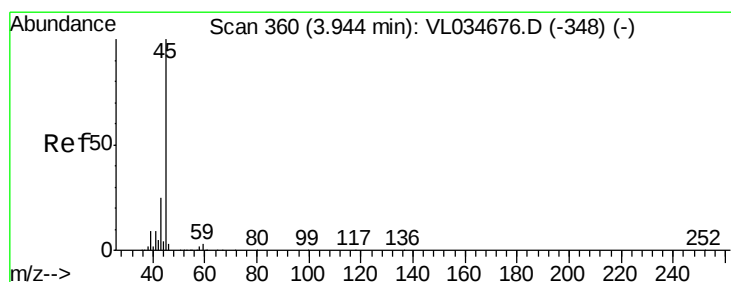
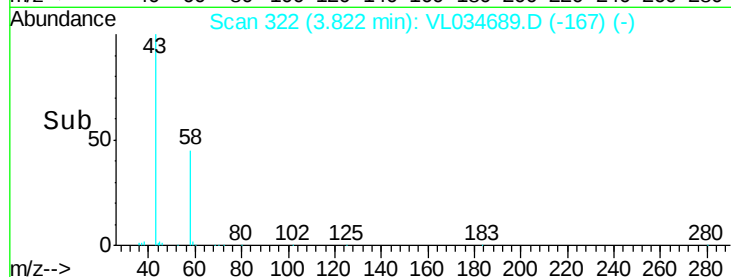
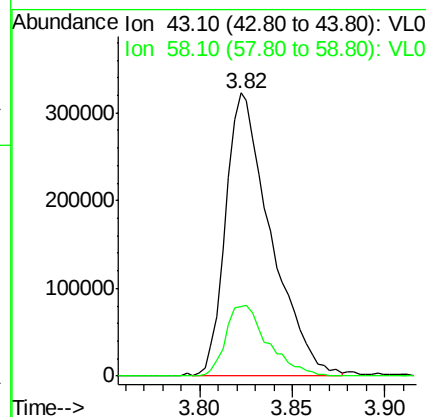
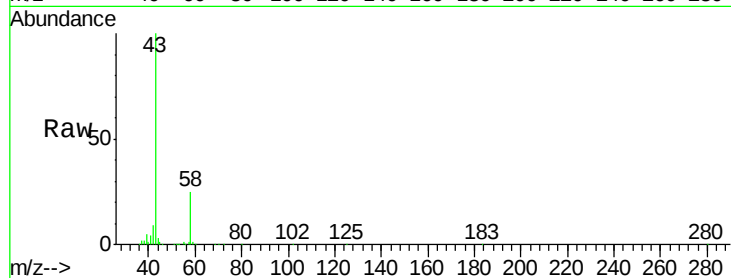
58 23.8 21.4 32.0

Manual Integrations

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#19

Isopropyl Alcohol

Concen: 1.922 ppbv m

RT: 3.95 min Scan# 361

Delta R.T. 0.00 min

Lab File: VL034689.D

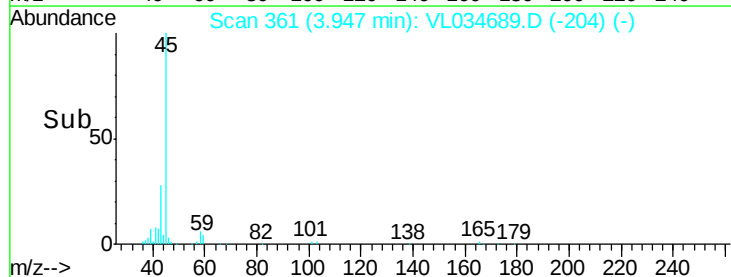
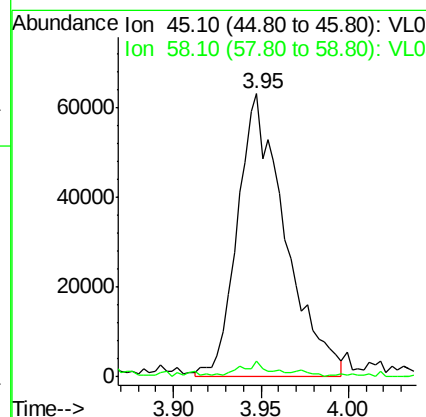
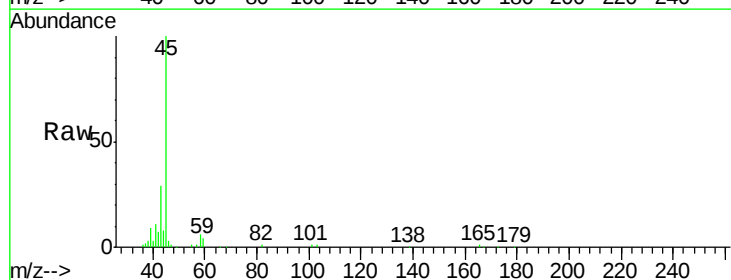
Acq: 26 Feb 2020 15:39

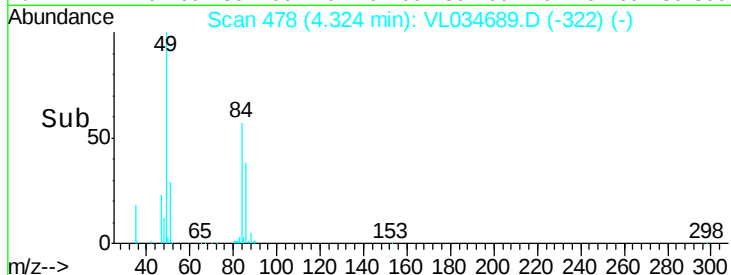
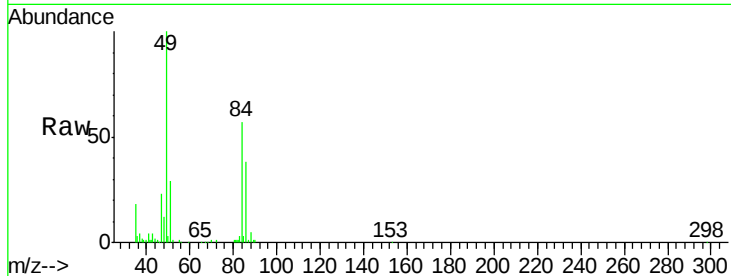
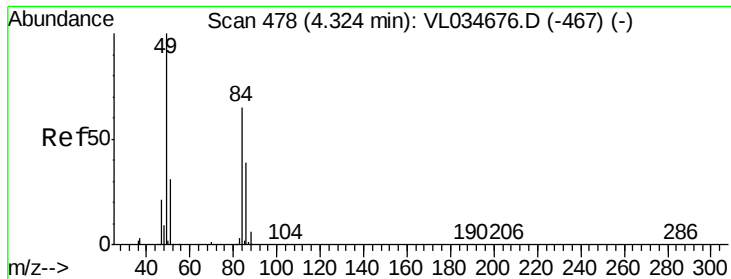
Tgt Ion: 45 Resp: 119253

Ion Ratio Lower Upper

45 100

58 5.6 1.8 2.6#





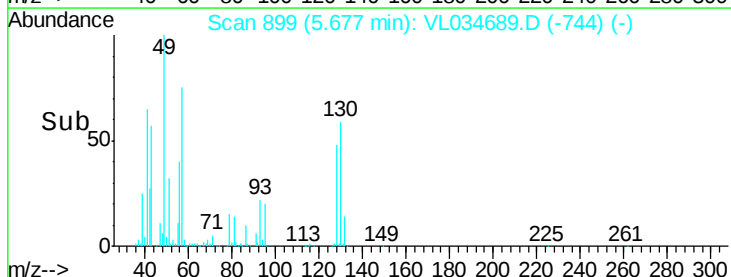
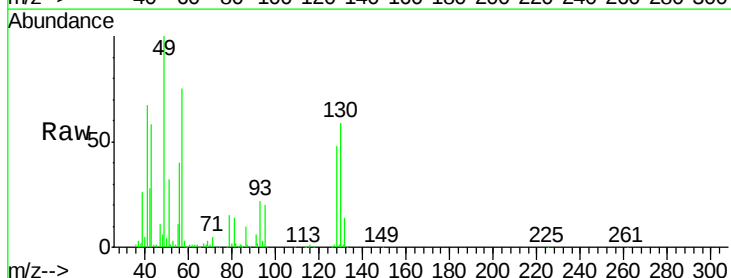
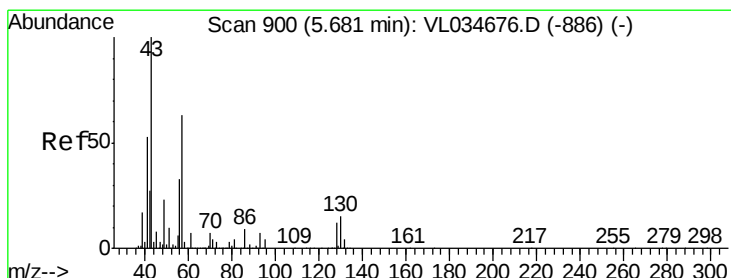
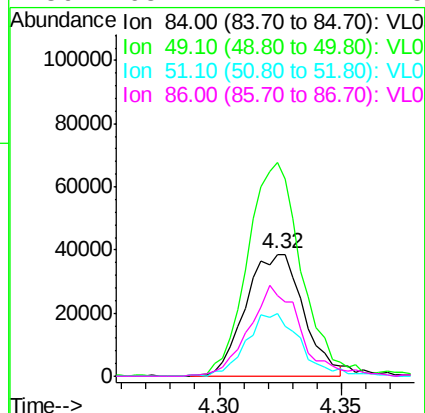
#20
Methvlene Chloride
Concen: 1.633 ppbv
RT: 4.32 min Scan# 478
Delta R.T. 0.00 min
Lab File: VL034689.D
Acq: 26 Feb 2020 15:39

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	174.2	122.8	184.2	
51	50.1	38.6	58.0	
86	65.7	47.7	71.5	

Instrument :
MSVOA_L
ClientSampleId :
CR-103-BRW

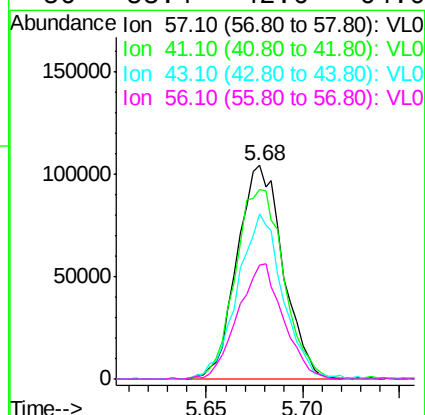
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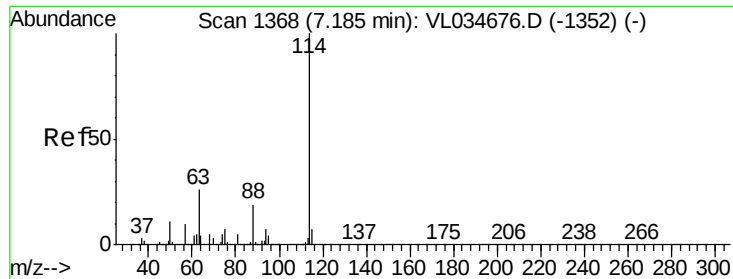
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#26
Hexane
Concen: 2.027 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.00 min
Lab File: VL034689.D
Acq: 26 Feb 2020 15:39

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	94.4	70.3	105.5	
43	76.2	177.0	265.4#	
56	53.4	42.6	64.0	





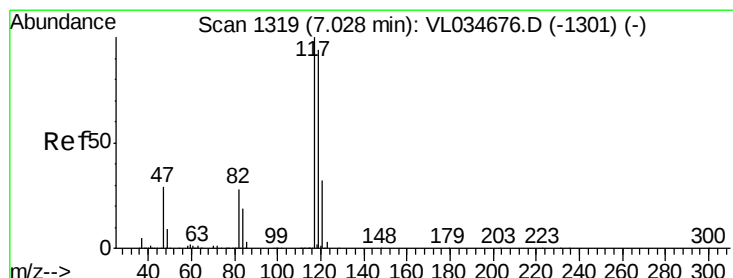
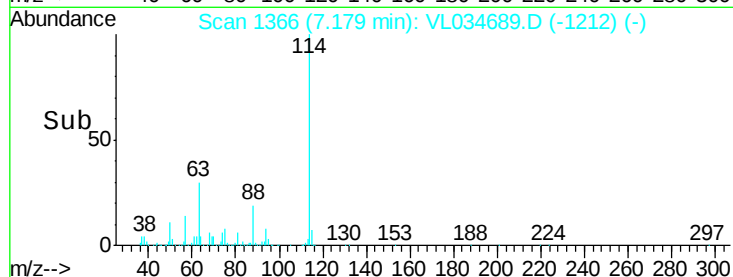
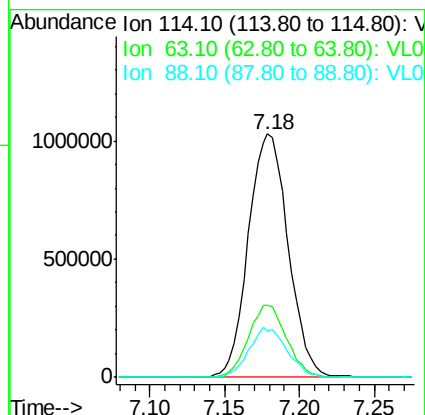
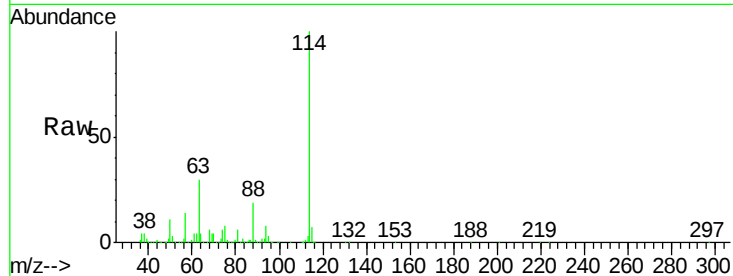
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 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.01 min
 Lab File: VL034689.D
 Acq: 26 Feb 2020 15:39

Instrument :
 MSVOA_L
 ClientSampleId :
 CR-103-BRW

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.6	22.9	34.3
88	19.7	15.8	23.6

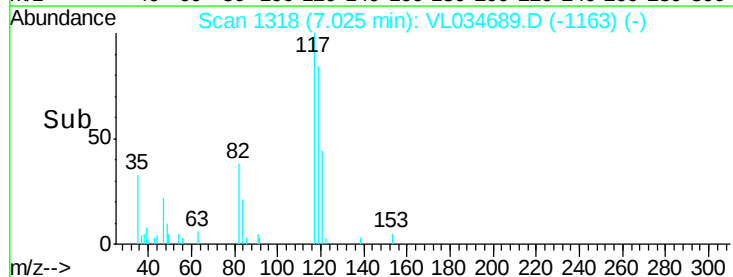
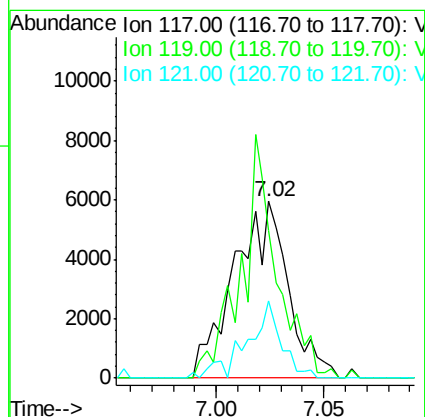
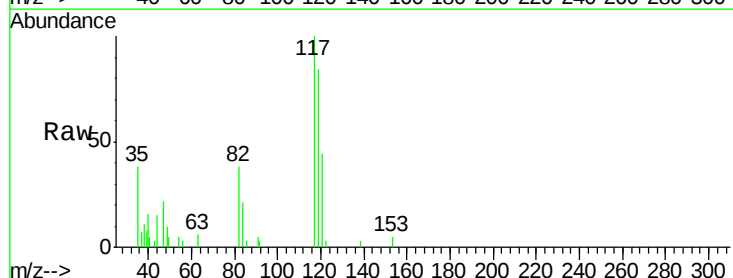
Manual Integrations
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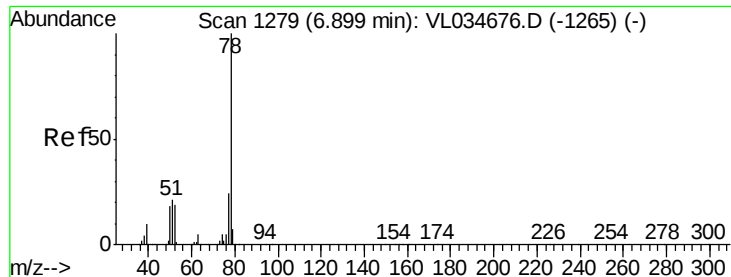
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#35
 Carbon Tetrachloride
 Concen: 0.081 ppbv m
 RT: 7.02 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VL034689.D
 Acq: 26 Feb 2020 15:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	83.7	75.5	113.3
121	43.5	25.4	38.0





#36

Benzene

Concen: 0.393 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. -0.01 min

Lab File: VL034689.D

Acq: 26 Feb 2020 15:39

Instrument :

MSVOA_L

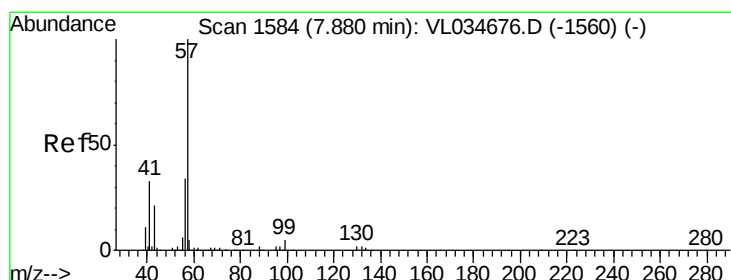
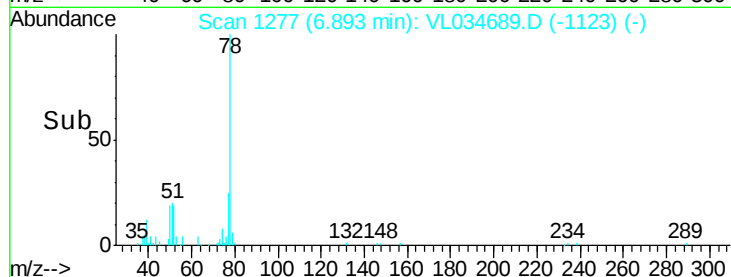
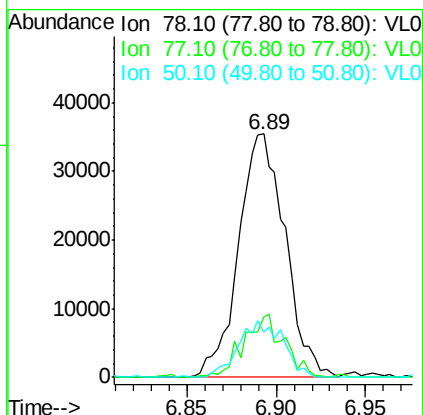
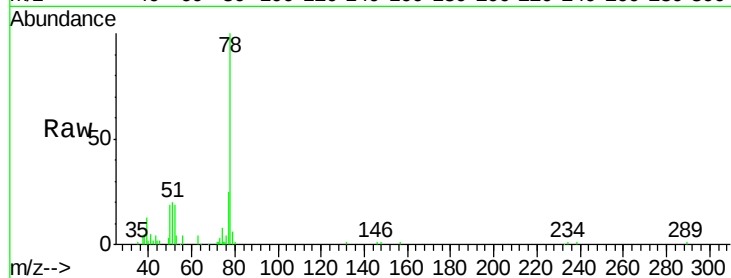
ClientSampleId :

CR-103-BRW

Tot Ion:	78	Resp:	64657
Ion Ratio	Lower	Upper	
78	100		
77	24.7	19.5	29.3
50	18.5	14.6	21.8

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 0.116 ppbv m

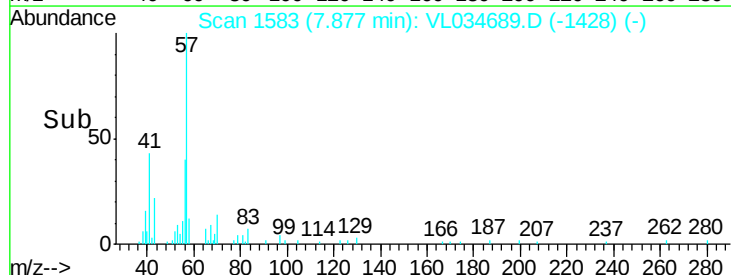
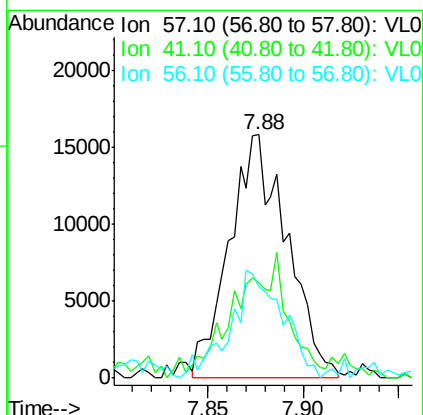
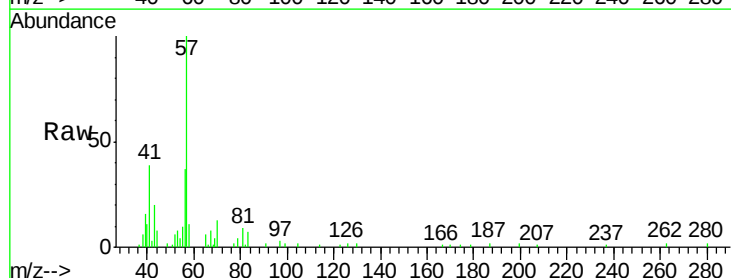
RT: 7.88 min Scan# 1583

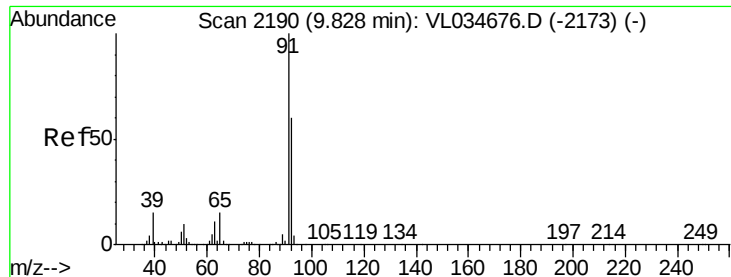
Delta R.T. -0.00 min

Lab File: VL034689.D

Acq: 26 Feb 2020 15:39

Tgt Ion:	57	Resp:	33419
Ion Ratio	Lower	Upper	
57	100		
41	0.0	26.0	39.0#
56	40.9	25.6	38.4#





#53

Toluene

Concen: 4.364 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. -0.01 min

Lab File: VL034689.D

Acq: 26 Feb 2020 15:39

Instrument :

MSVOA_L

ClientSampleId :

CR-103-BRW

Tot Ion: 91 Resp: 764008

Ion Ratio Lower Upper

91 100

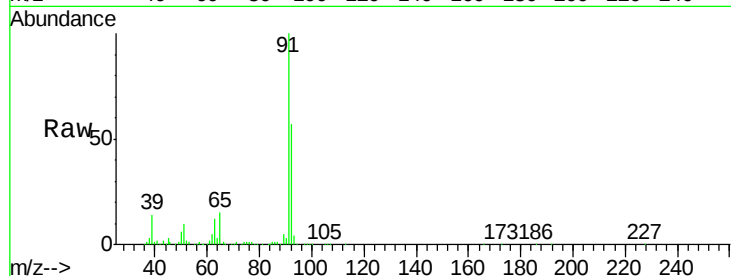
92 59.3 48.5 72.7

Manual Integrations

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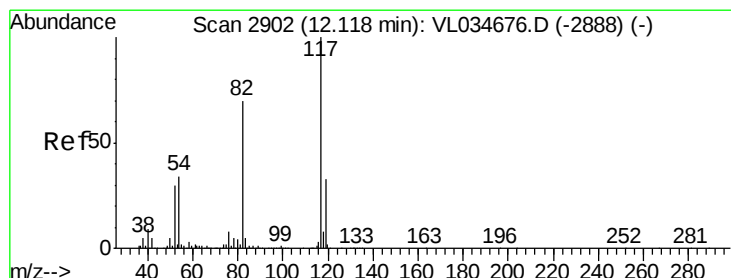
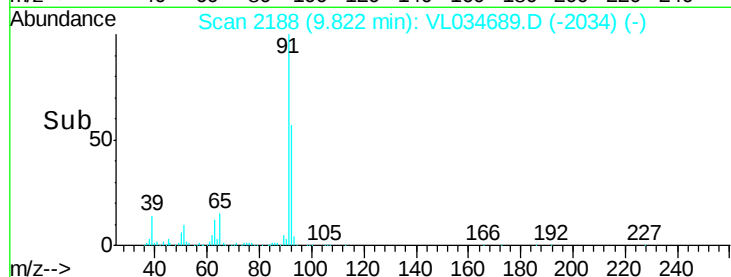
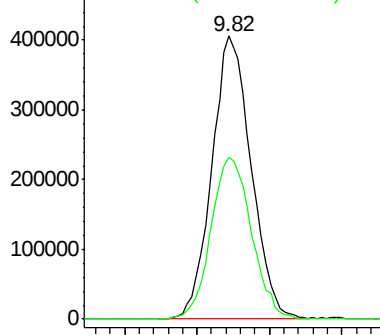
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2900

Delta R.T. -0.01 min

Lab File: VL034689.D

Acq: 26 Feb 2020 15:39

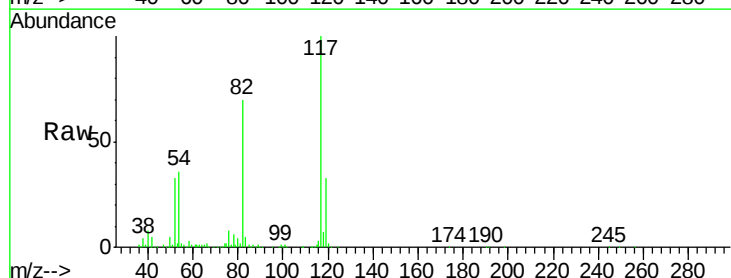
Tgt Ion: 117 Resp: 1848128

Ion Ratio Lower Upper

117 100

82 70.9 54.1 81.1

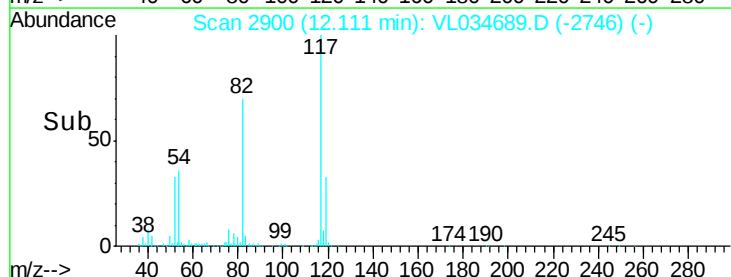
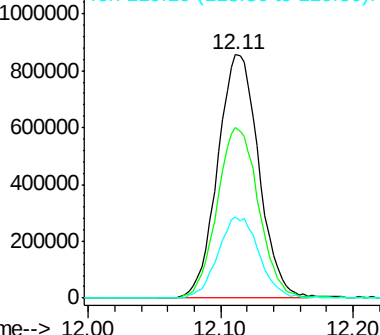
119 33.6 27.6 41.4

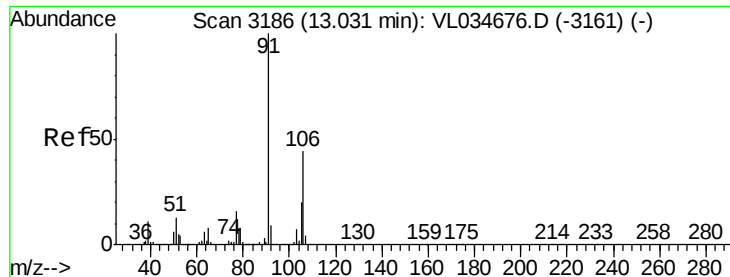


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#59

m/p-Xylene

Concen: 0.192 ppbv m

RT: 13.00 min Scan# 3175

Delta R.T. -0.04 min

Lab File: VL034689.D

Acq: 26 Feb 2020 15:39

Instrument :

MSVOA_L

ClientSampleId :

CR-103-BRW

Tot Ion: 91 Resp: 37360

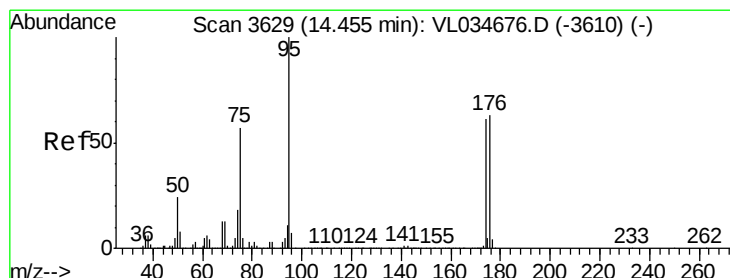
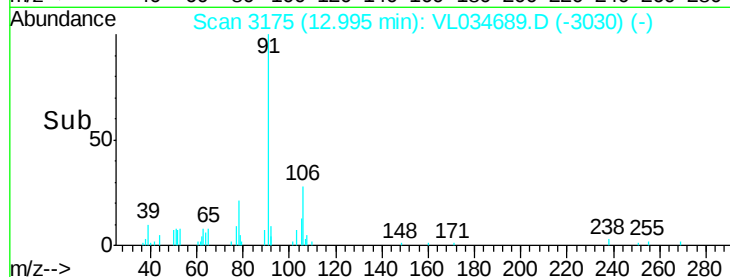
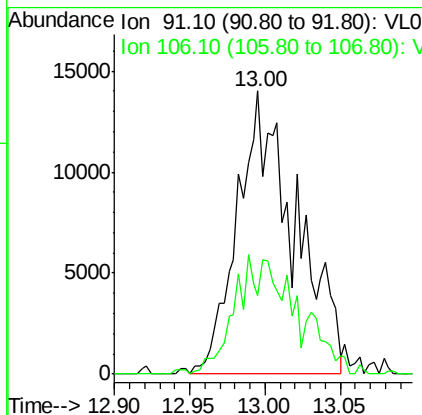
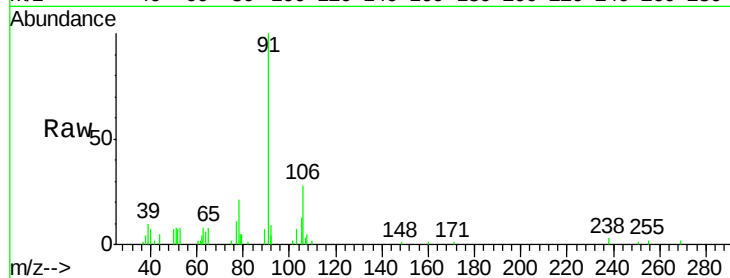
Ion Ratio Lower Upper

91 100

106 0.0 35.6 53.4#

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 10.278 ppbv

RT: 14.45 min Scan# 3628

Delta R.T. -0.00 min

Lab File: VL034689.D

Acq: 26 Feb 2020 15:39

Tgt Ion: 95 Resp: 1557498

Ion Ratio Lower Upper

95 100

174 63.5 50.7 76.1

175 4.8 3.9 5.9

