

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022620\
 Data File : VL034691.D
 Acq On : 26 Feb 2020 17:10
 Operator : SY/AP
 Sample : L1664-02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CR-104-BRW

Manual Integrations
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 2/27/2020 5:19:54 PM

Quant Time: Feb 27 15:47:07 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	911582	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1884238	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	1800780	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	1550769	10.50	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	38651	0.269	ppbv	95
3) Chlorodifluoromethane	2.95	51	31768m	0.323	ppbv	
4) Chloromethane	3.11	50	29379	0.533	ppbv	97
9) Propene	2.98	41	60852m	1.480	ppbv	
11) Trichlorofluoromethane	3.93	101	35179m	0.279	ppbv	
13) Ethanol	3.58	45	280751	21.611	ppbv	96
15) Acetone	3.83	43	452339	4.355	ppbv	95
19) Isopropyl Alcohol	3.95	45	48245m	0.780	ppbv	
20) Methylene Chloride	4.32	84	95822	2.480	ppbv	96
26) Hexane	5.68	57	140207	1.654	ppbv #	43
35) Carbon Tetrachloride	7.03	117	8160m	0.065	ppbv	
36) Benzene	6.90	78	52278	0.321	ppbv #	84
44) 2,2,4-Trimethylpentane	7.87	57	28337m	0.100	ppbv	
53) Toluene	9.82	91	552545	3.192	ppbv	98
59) m/p-Xylene	13.01	91	33514m	0.176	ppbv	

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

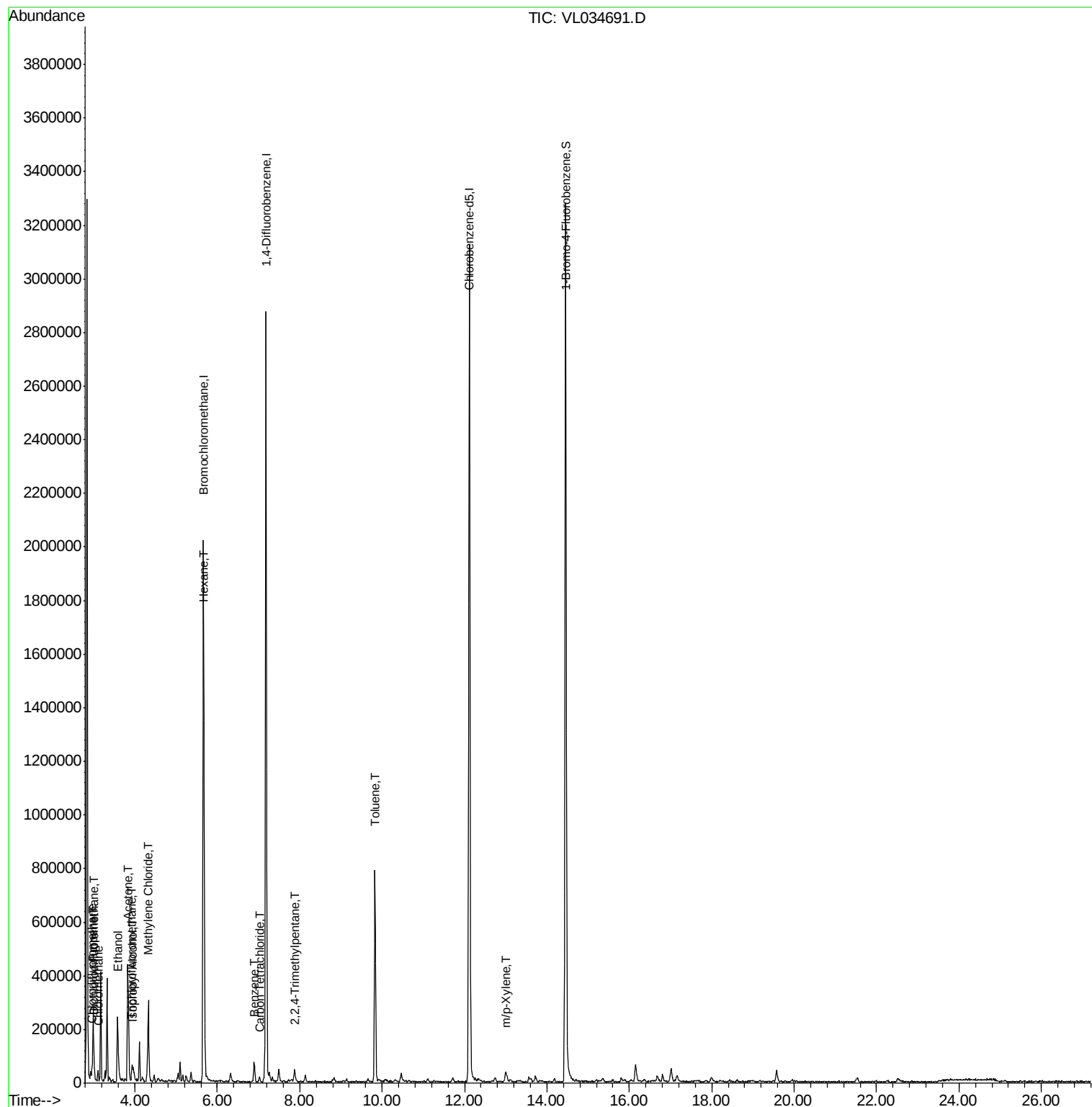
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL022620\
Data File : VL034691.D
Acq On : 26 Feb 2020 17:10
Operator : SY/AP
Sample : L1664-02
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

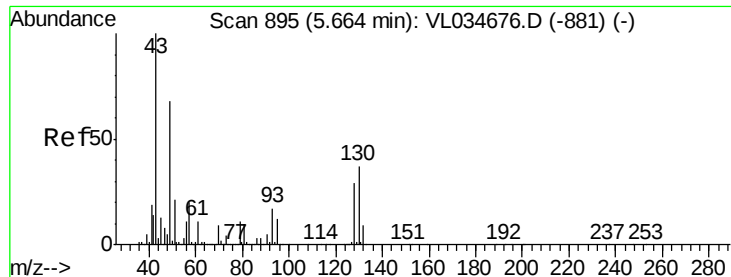
Instrument :
MSVOA_L
ClientSampleId :
CR-104-BRW

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Quant Time: Feb 27 15:47:07 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: VL034691.D

Acq: 26 Feb 2020 17:10

Instrument :

MSVOA_L

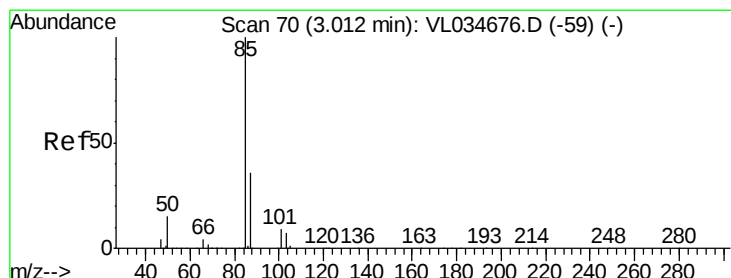
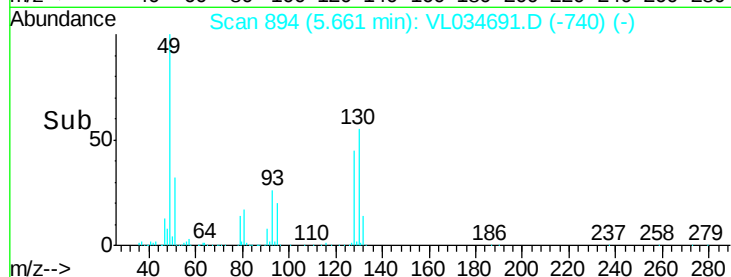
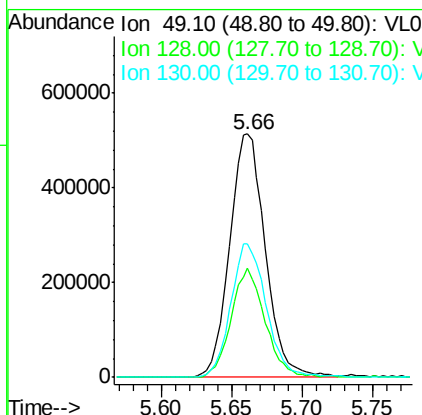
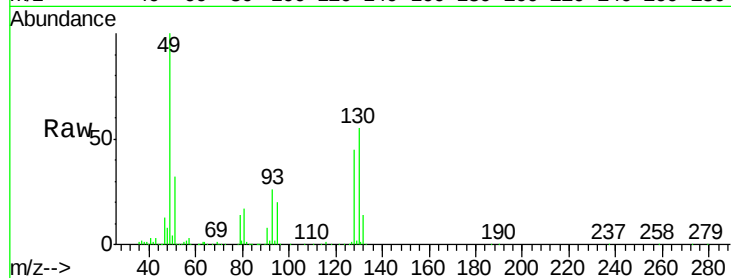
ClientSampleId :

CR-104-BRW

Tot Ion	Ratio	Lower	Upper
49	100		
128	43.1	21.6	65.0
130	55.3	27.7	83.1

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#2

Dichlorodifluoromethane

Concen: 0.269 ppbv

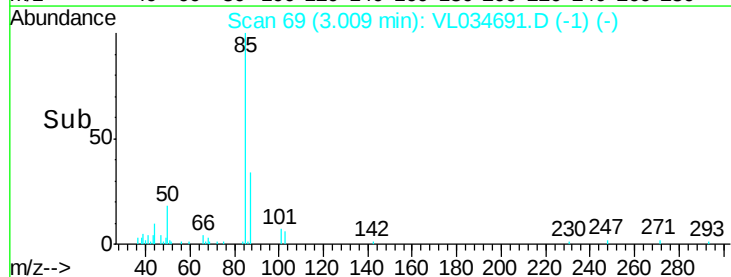
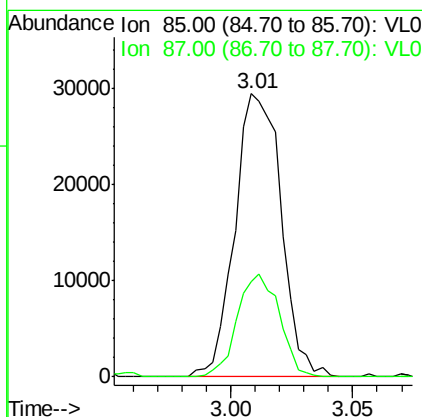
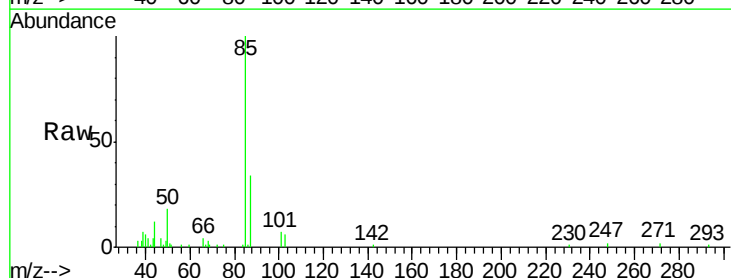
RT: 3.01 min Scan# 69

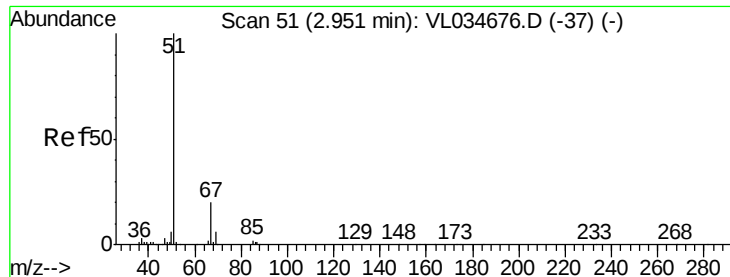
Delta R.T. -0.00 min

Lab File: VL034691.D

Acq: 26 Feb 2020 17:10

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.6	29.2	43.8





#3

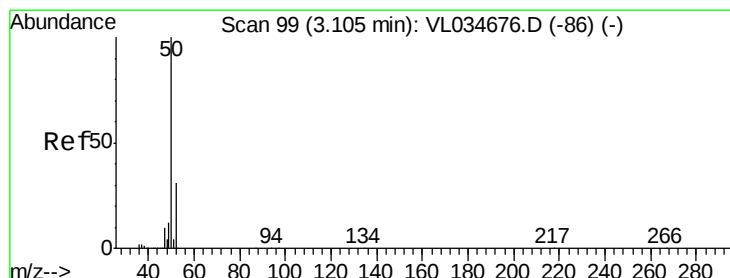
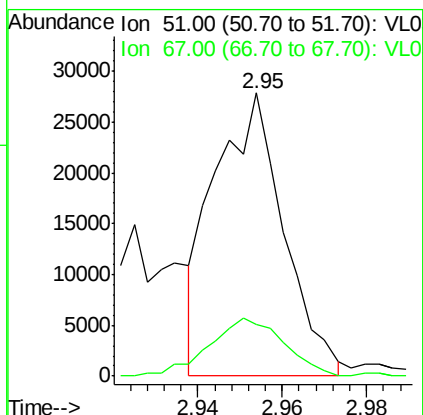
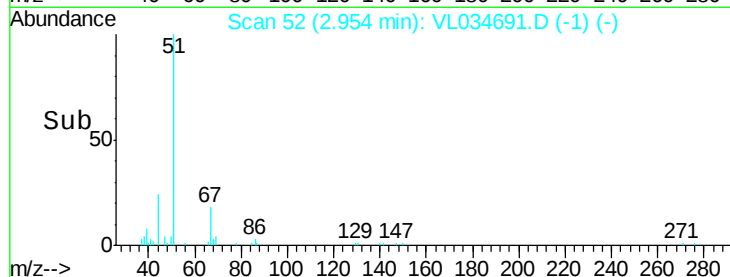
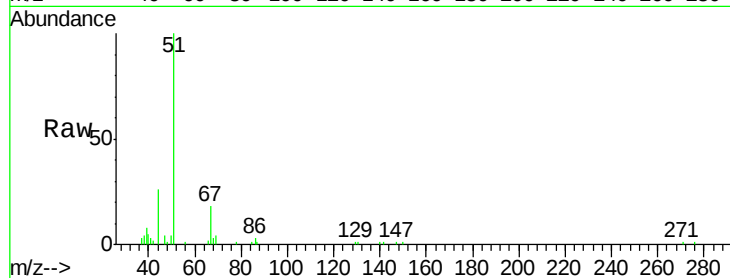
Chlorodifluoromethane
 Concen: 0.323 ppbv
 RT: 2.95 min Scan# 52
 Delta R.T. 0.00 min
 Lab File: VL034691.D
 Acq: 26 Feb 2020 17:10

Instrument :
 MSVOA_L
 ClientSampleId :
 CR-104-BRW

Tot Ion	Ratio	Lower	Upper
51	100		
67	22.4	15.5	23.3

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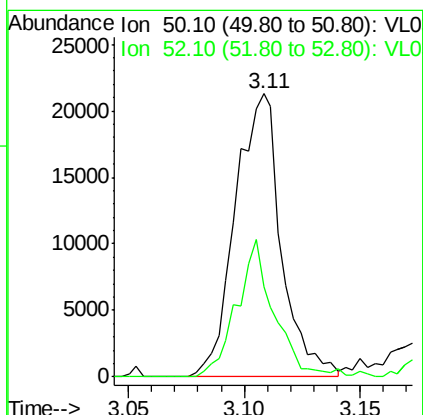
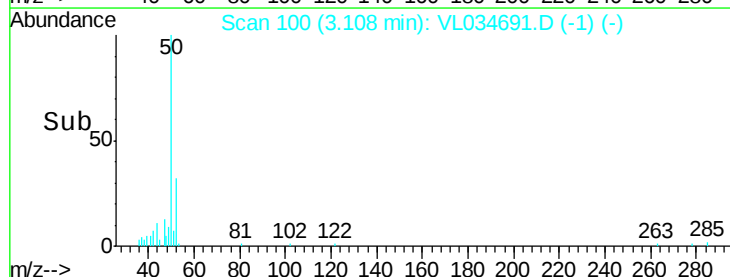
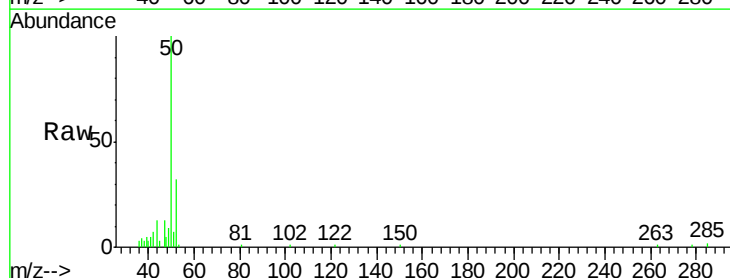
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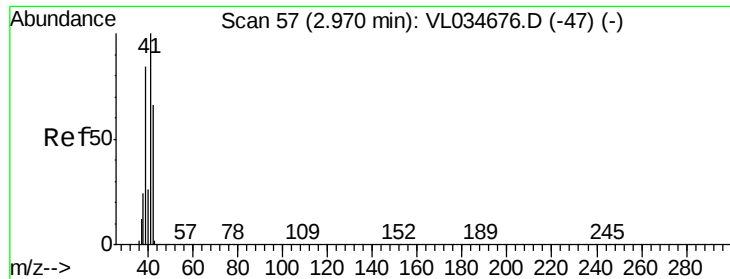


#4

Chloromethane
 Concen: 0.533 ppbv
 RT: 3.11 min Scan# 100
 Delta R.T. 0.00 min
 Lab File: VL034691.D
 Acq: 26 Feb 2020 17:10

Tgt Ion	Ratio	Lower	Upper
50	100		
52	29.7	25.0	37.4





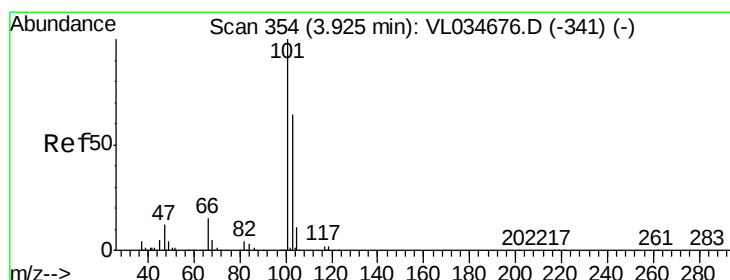
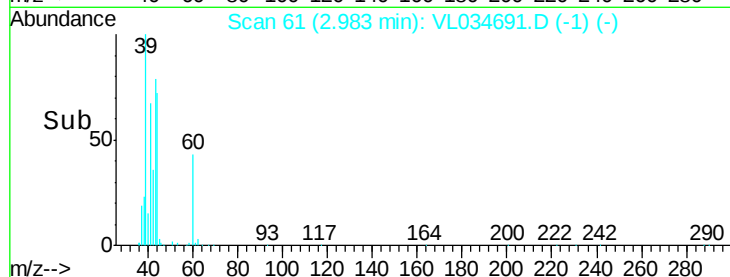
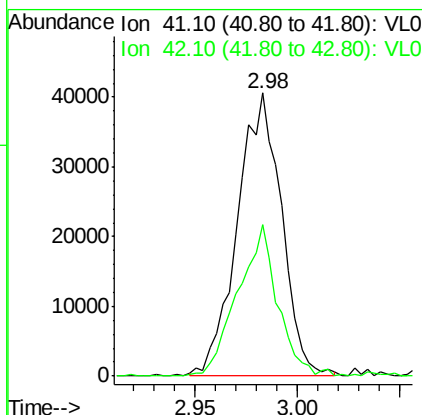
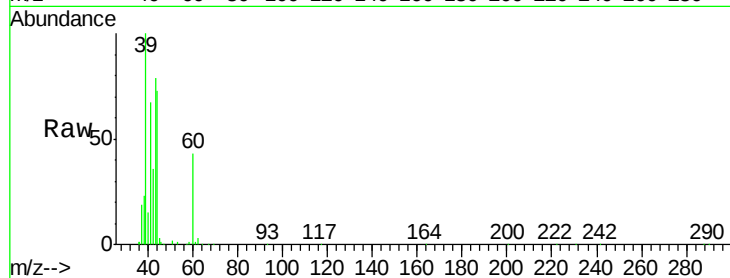
#9
 Propene
 Concen: 1.480 ppbv m
 RT: 2.98 min Scan# 61
 Delta R.T. 0.01 min
 Lab File: VL034691.D
 Acq: 26 Feb 2020 17:10

Instrument :
 MSVOA_L
 ClientSampleId :
 CR-104-BRW

Tot Ion: 41 Resp: 60852
 Ion Ratio Lower Upper
 41 100
 42 109.9 54.9 82.3#

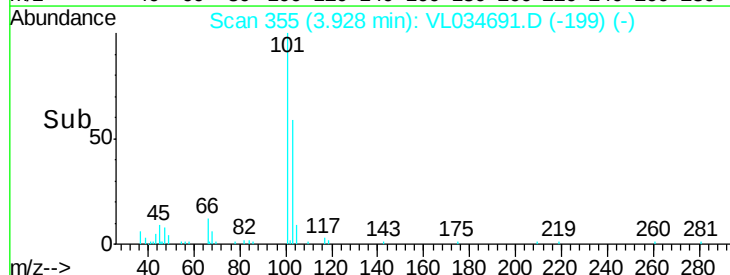
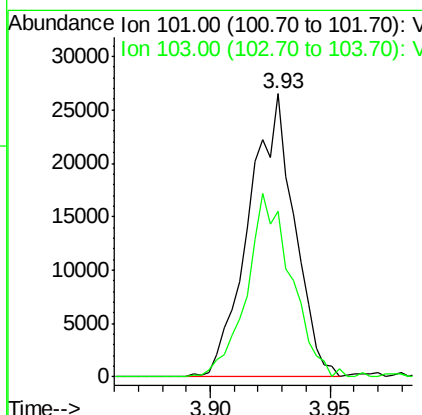
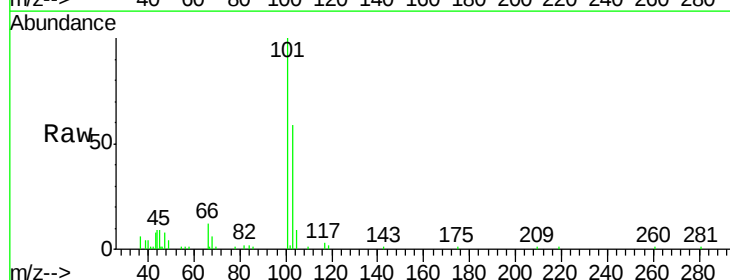
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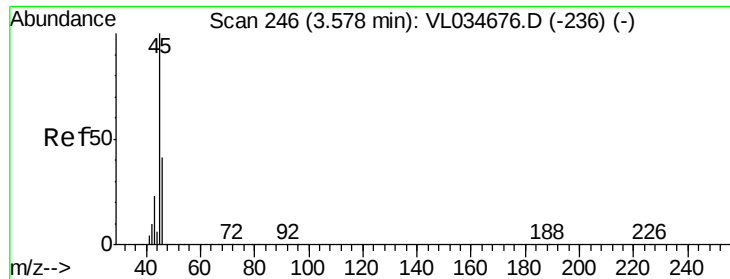
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#11
 Trichlorofluoromethane
 Concen: 0.279 ppbv m
 RT: 3.93 min Scan# 355
 Delta R.T. 0.00 min
 Lab File: VL034691.D
 Acq: 26 Feb 2020 17:10

Tgt Ion: 101 Resp: 35179
 Ion Ratio Lower Upper
 101 100
 103 58.5 51.2 76.8





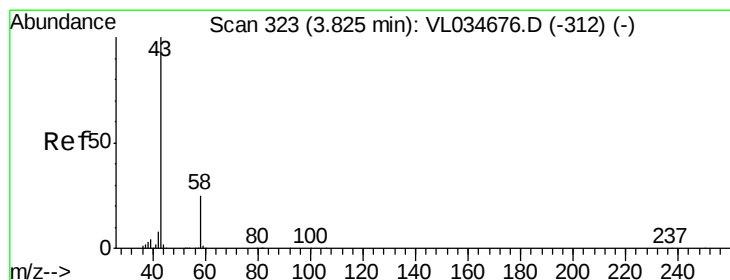
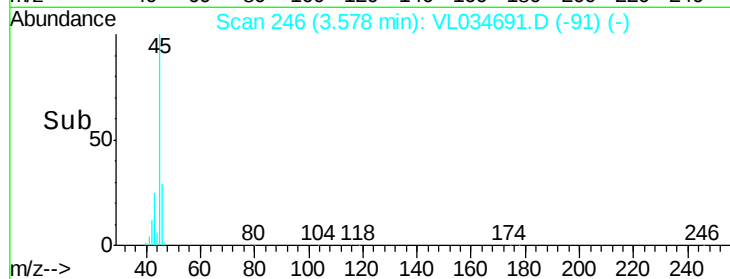
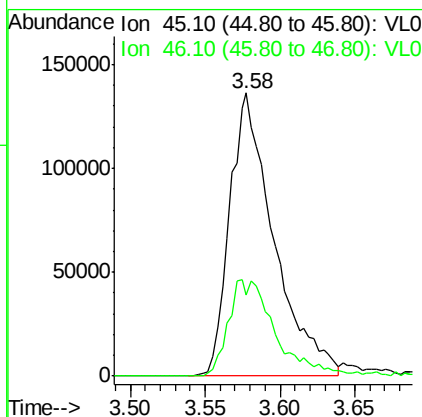
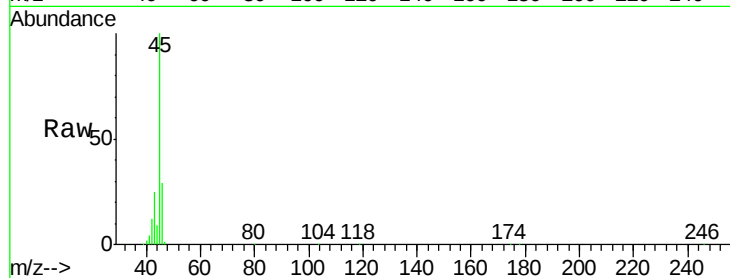
#13
Ethanol
Concen: 21.611 ppbv
RT: 3.58 min Scan# 246
Delta R.T. -0.00 min
Lab File: VL034691.D
Acq: 26 Feb 2020 17:10

Instrument :
MSVOA_L
ClientSampleId :
CR-104-BRW

Tot Ion	45	Resp	280751
Ion Ratio	100	Lower	Upper
46	35.9	15.4	61.4

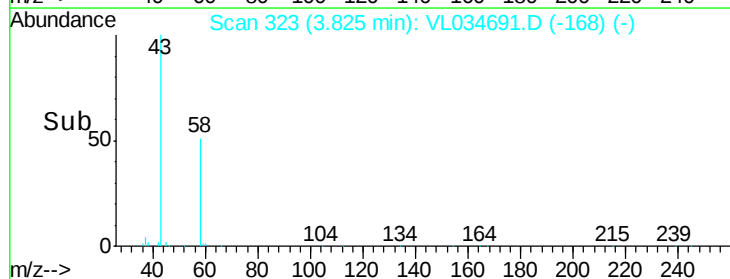
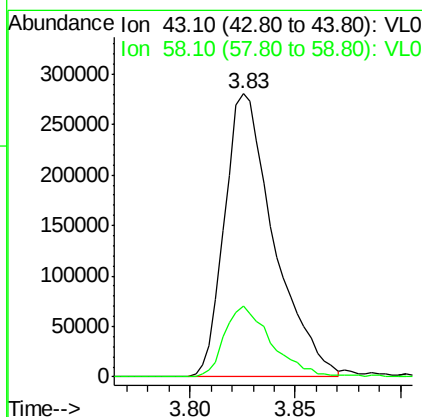
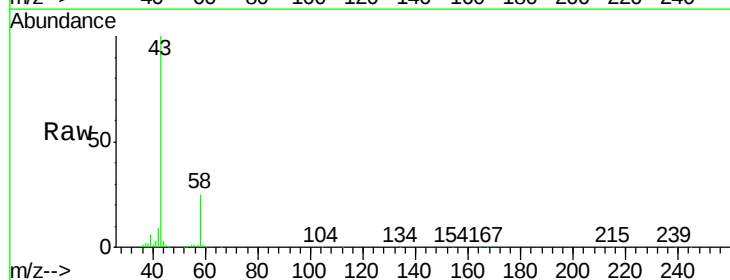
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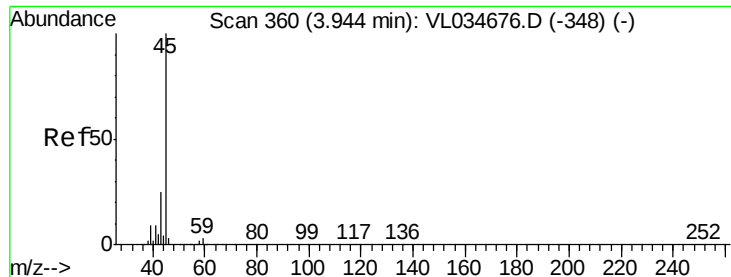
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#15
Acetone
Concen: 4.355 ppbv
RT: 3.83 min Scan# 323
Delta R.T. -0.00 min
Lab File: VL034691.D
Acq: 26 Feb 2020 17:10

Tgt Ion	43	Resp	452339
Ion Ratio	100	Lower	Upper
58	24.2	21.4	32.0





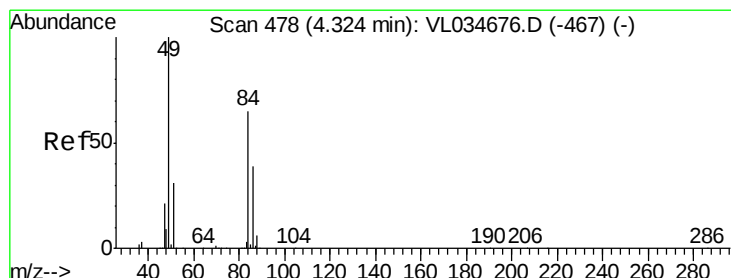
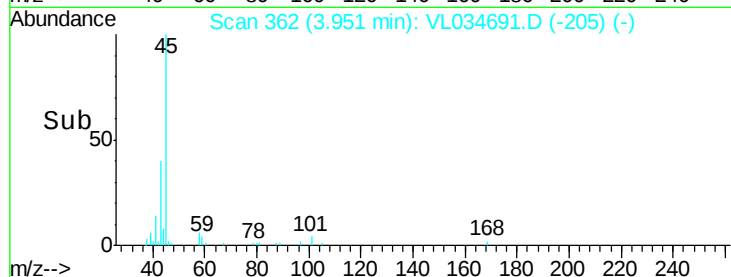
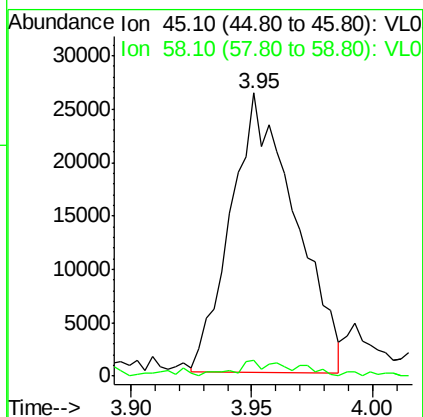
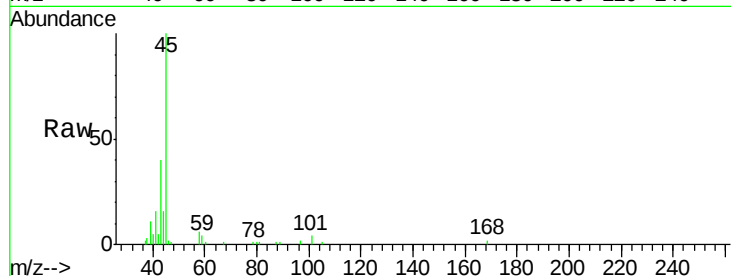
#19
Isopropyl Alcohol
Concen: 0.780 ppbv
RT: 3.95 min Scan# 362
Delta R.T. 0.01 min
Lab File: VL034691.D
Acq: 26 Feb 2020 17:10

Instrument :
MSVOA_L
ClientSampleId :
CR-104-BRW

Tot Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.8	2.6#

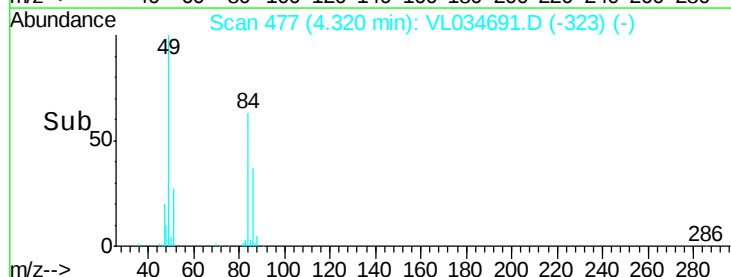
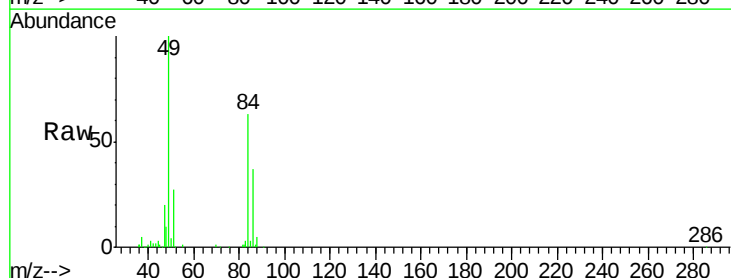
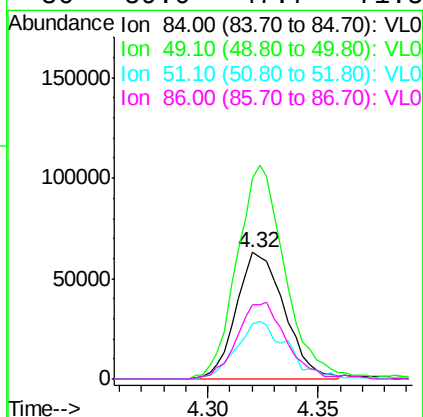
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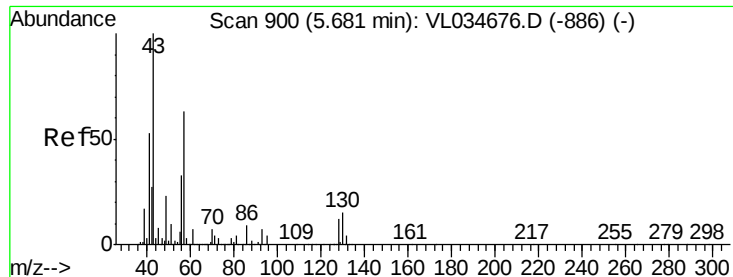
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#20
Methylene Chloride
Concen: 2.480 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.00 min
Lab File: VL034691.D
Acq: 26 Feb 2020 17:10

Tgt Ion	Ratio	Lower	Upper
84	100		
49	158.3	122.8	184.2
51	43.2	38.6	58.0
86	59.0	47.7	71.5





#26

Hexane

Concen: 1.654 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.00 min

Lab File: VL034691.D

Acq: 26 Feb 2020 17:10

Instrument :

MSVOA_L

ClientSampleId :

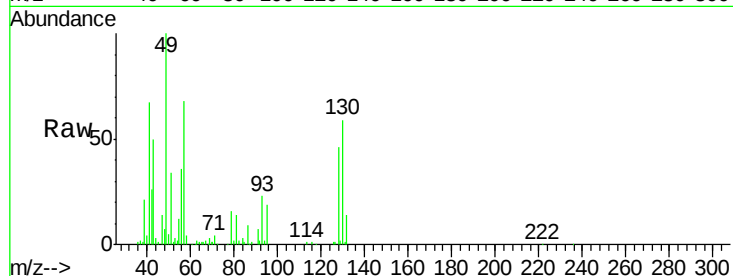
CR-104-BRW

Tot Ion: 57 Resp: 140207

Ion	Ratio	Lower	Upper
57	100		
41	93.9	70.3	105.5
43	76.0	177.0	265.4#
56	57.0	42.6	64.0

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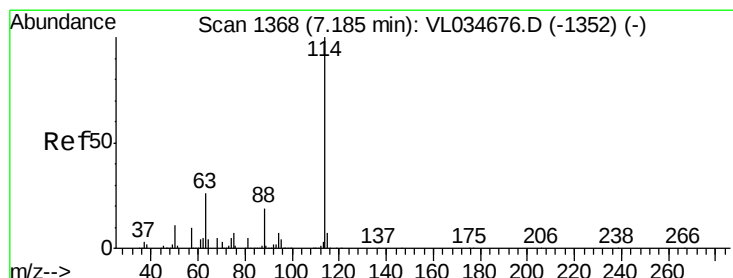
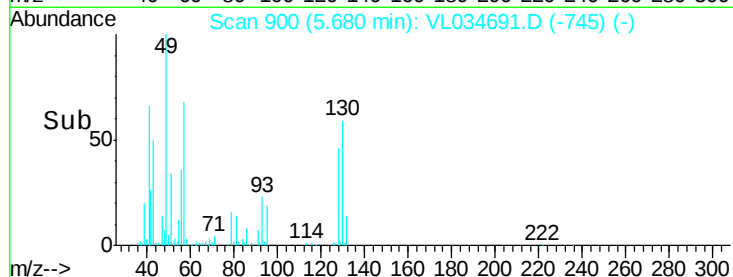
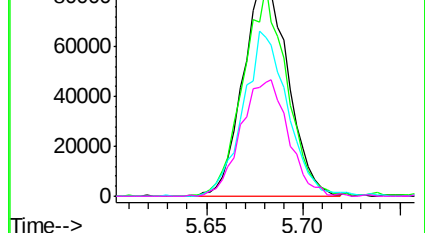


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

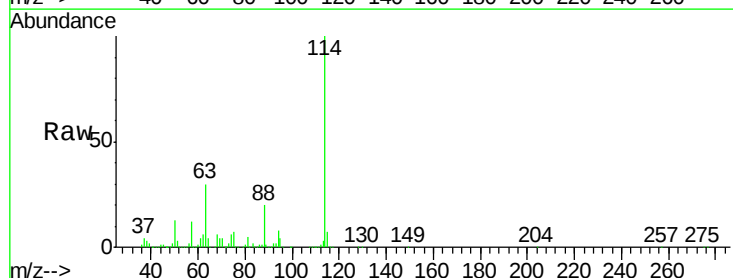
Delta R.T. -0.00 min

Lab File: VL034691.D

Acq: 26 Feb 2020 17:10

Tgt Ion: 114 Resp: 1884238

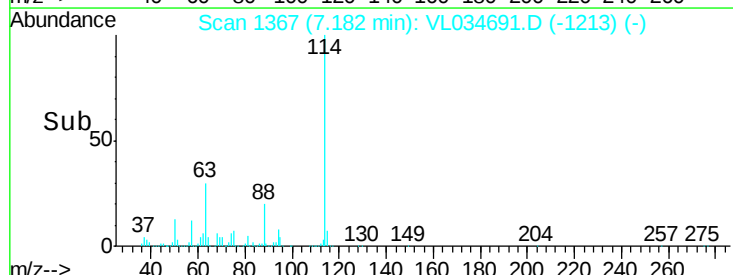
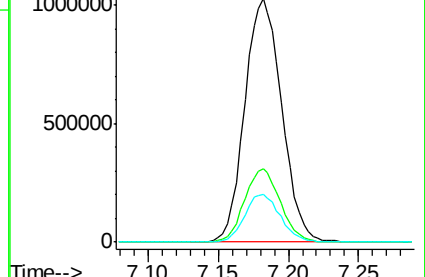
Ion	Ratio	Lower	Upper
114	100		
63	29.3	22.9	34.3
88	19.0	15.8	23.6

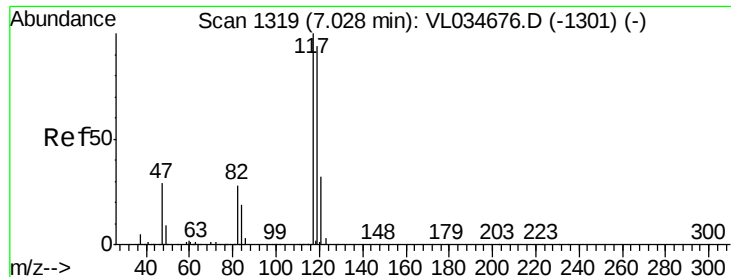


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#35

Carbon Tetrachloride

Concen: 0.065 ppbv m

RT: 7.03 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VL034691.D

Acq: 26 Feb 2020 17:10

Instrument :

MSVOA_L

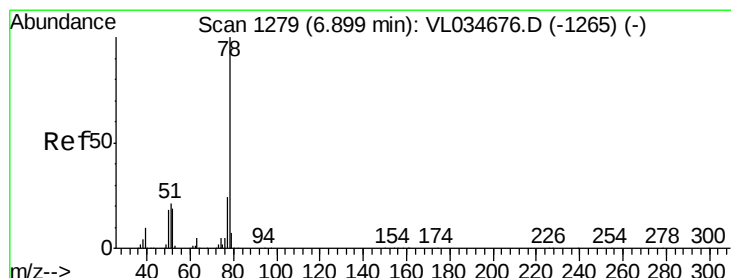
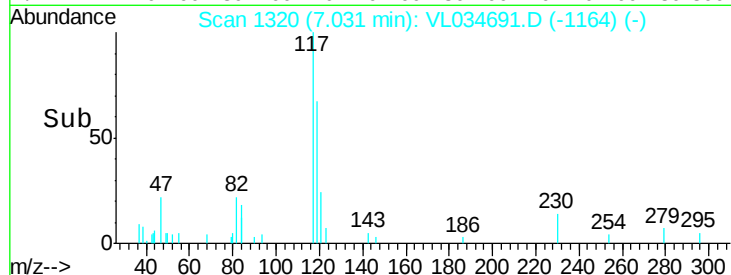
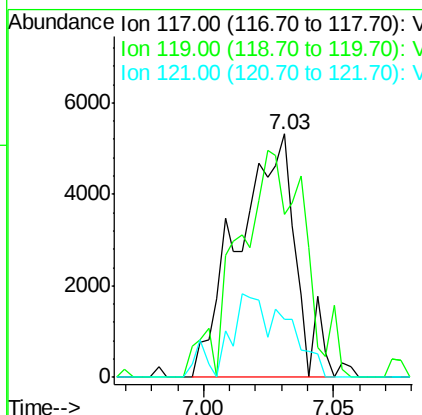
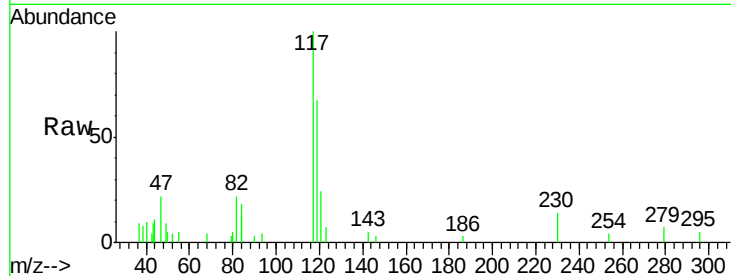
ClientSampleId :

CR-104-BRW

Tot Ion:	117	Resp:	8160
Ion Ratio	Lower	Upper	
117	100		
119	67.2	75.5	113.3#
121	23.8	25.4	38.0#

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#36

Benzene

Concen: 0.321 ppbv

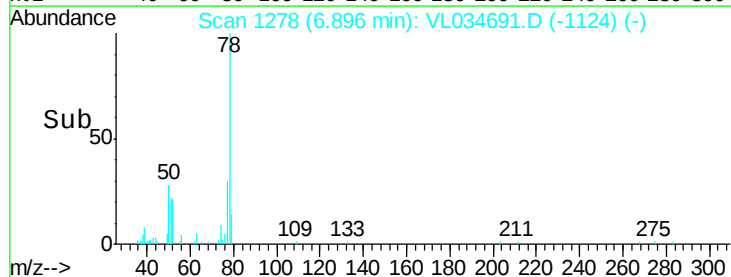
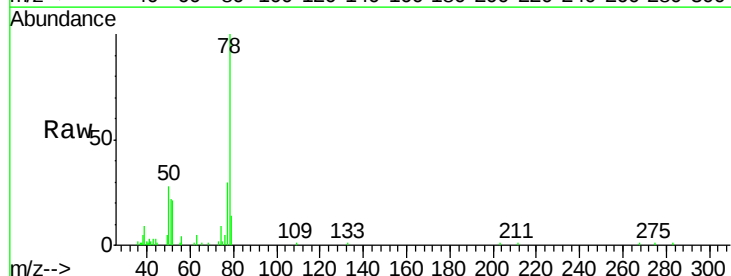
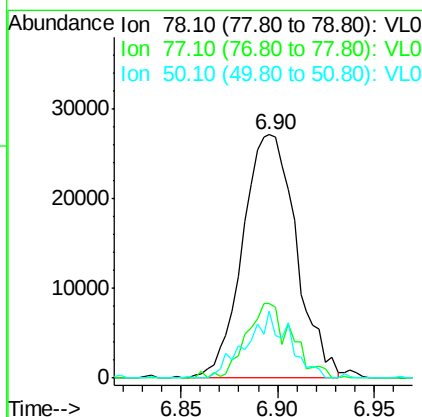
RT: 6.90 min Scan# 1278

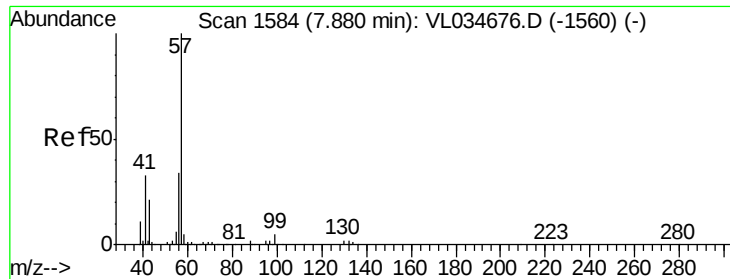
Delta R.T. -0.00 min

Lab File: VL034691.D

Acq: 26 Feb 2020 17:10

Tgt Ion:	78	Resp:	52278
Ion Ratio	Lower	Upper	
78	100		
77	30.5	19.5	29.3#
50	27.7	14.6	21.8#





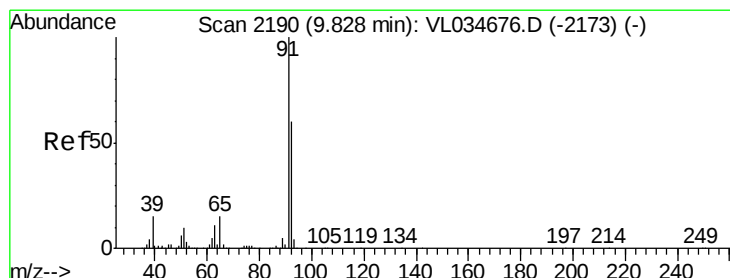
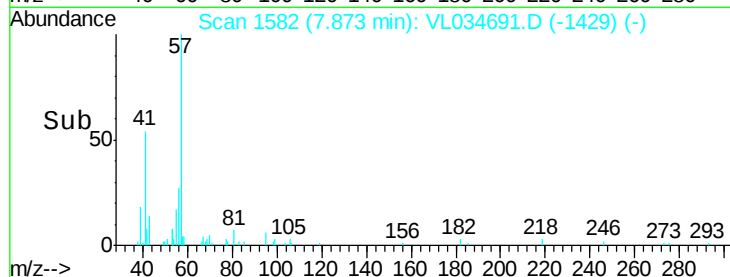
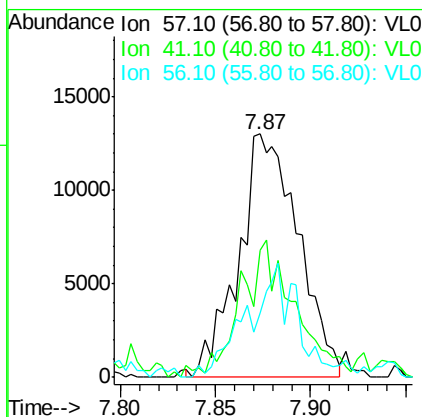
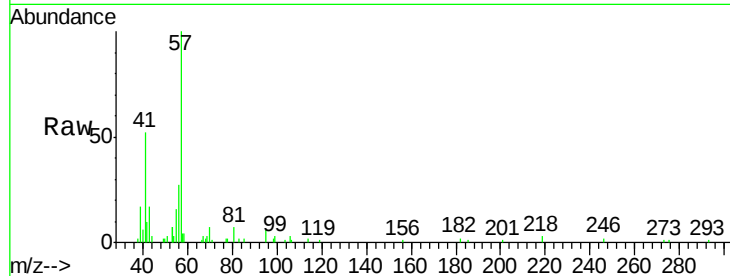
#44
 2,2,4-Trimethylpentane
 Concen: 0.100 ppbv m
 RT: 7.87 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: VL034691.D
 Acq: 26 Feb 2020 17:10

Instrument :
 MSVOA_L
 ClientSampleId :
 CR-104-BRW

Tot Ion	Ratio	Lower	Upper
57	100		
41	0.0	26.0	39.0#
56	0.0	25.6	38.4#

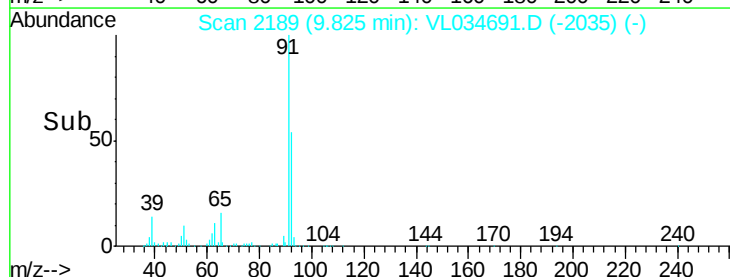
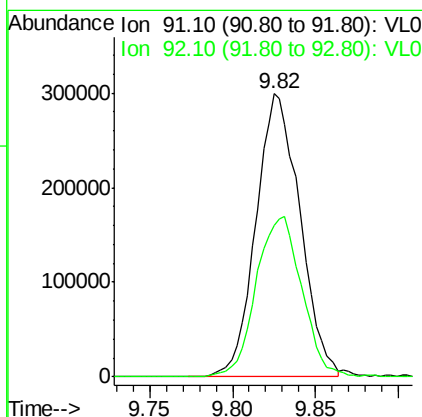
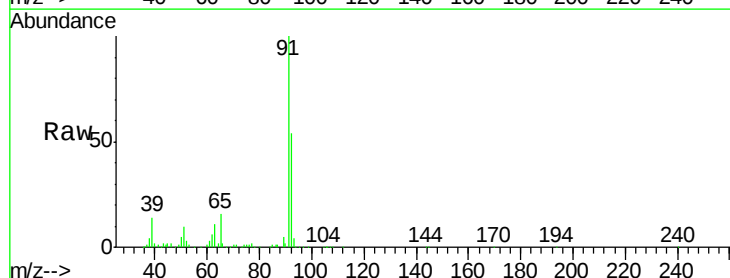
Manual Integrations
 APPROVED

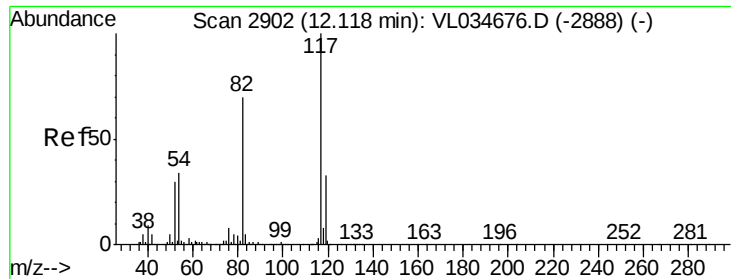
MMDadoda
 2/27/2020 5:19:54 PM



#53
 Toluene
 Concen: 3.192 ppbv
 RT: 9.82 min Scan# 2189
 Delta R.T. -0.00 min
 Lab File: VL034691.D
 Acq: 26 Feb 2020 17:10

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.8	48.5	72.7





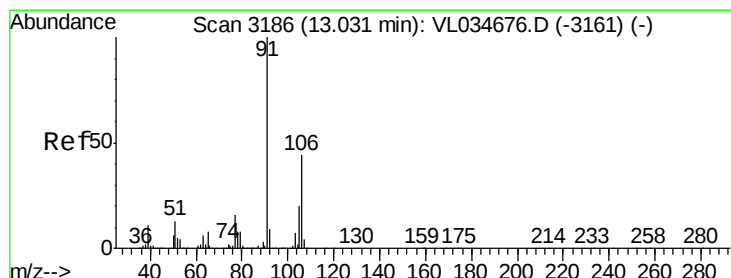
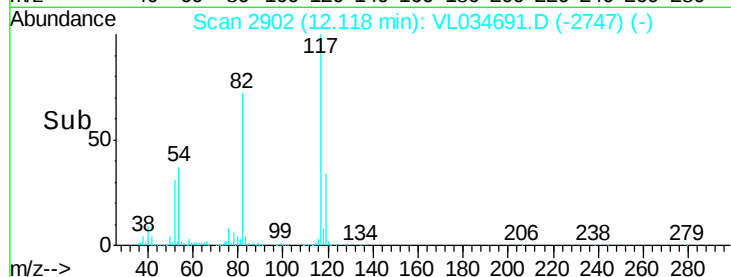
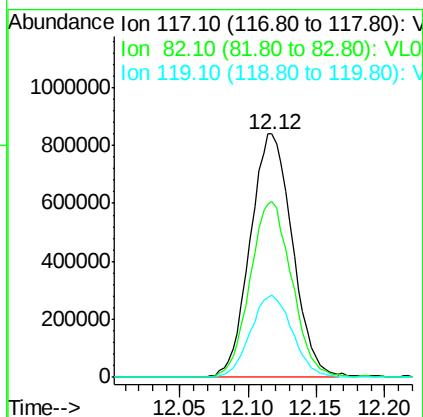
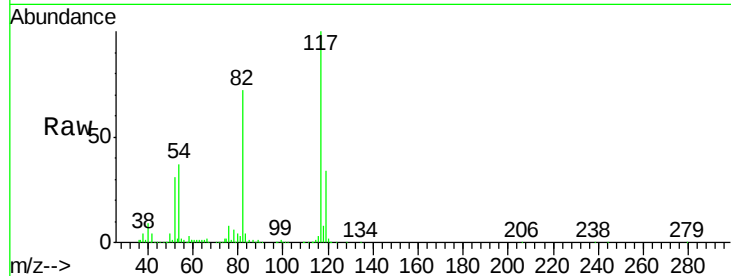
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.00 min
Lab File: VL034691.D
Acq: 26 Feb 2020 17:10

Instrument :
MSVOA_L
ClientSampleId :
CR-104-BRW

Tot Ion:117 Resp: 1800780
Ion Ratio Lower Upper
117 100
82 71.8 54.1 81.1
119 33.8 27.6 41.4

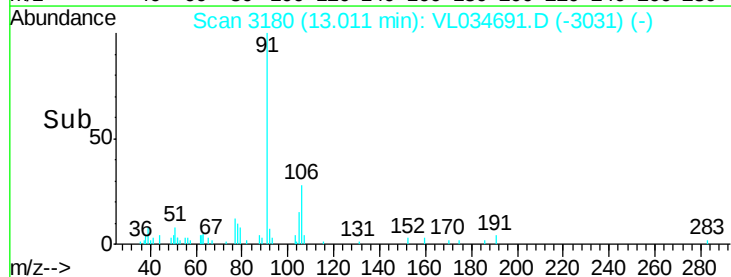
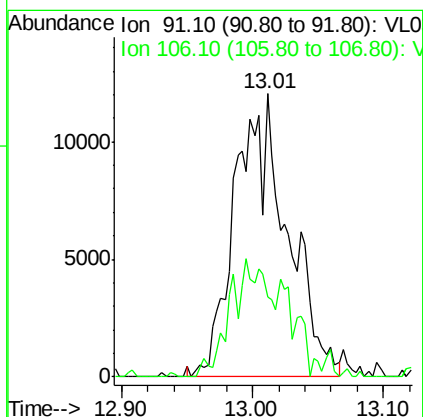
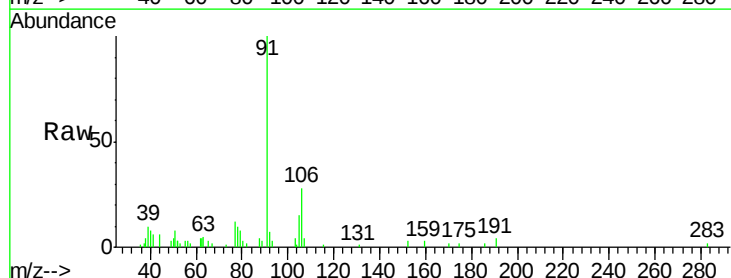
Manual Integrations
APPROVED

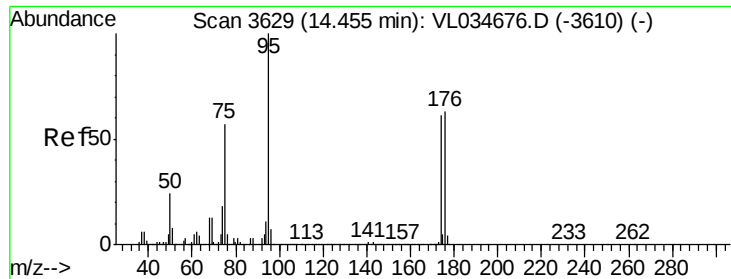
MMDadoda
2/27/2020 5:19:54 PM



#59
m/p-Xylene
Concen: 0.176 ppbv m
RT: 13.01 min Scan# 3180
Delta R.T. -0.02 min
Lab File: VL034691.D
Acq: 26 Feb 2020 17:10

Tgt Ion: 91 Resp: 33514
Ion Ratio Lower Upper
91 100
106 0.0 35.6 53.4#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.502 ppbv
 RT: 14.46 min Scan# 3629
 Delta R.T. -0.00 min
 Lab File: VL034691.D
 Acq: 26 Feb 2020 17:10

Instrument :
 MSVOA_L
 ClientSampleId :
 CR-104-BRW

Tot Ion	Ratio	Lower	Upper
95	100		
174	62.8	50.7	76.1
175	4.6	3.9	5.9

Manual Integrations
 APPROVED

MMDadoda
 2/27/2020 5:19:54 PM

