

Data File : VL034693.D
Acq On : 26 Feb 2020 18:31
Operator : SY/AP
Sample : L1664-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
CR-104-BRWDL

Quant Time: Feb 27 07:29:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 26 06:58:15 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	993616	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1971253	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	1997574	10.00	ppbv	0.00

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.46 95 1702949 10.40 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 104.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.01	85	6082	0.039	ppbv #	85
3) Chlorodifluoromethane	2.96	51	5322	0.050	ppbv	98
4) Chloromethane	3.10	50	1578	0.026	ppbv	89
9) Propene	3.17	41	12731	0.284	ppbv	86
11) Trichlorofluoromethane	3.93	101	3378	0.025	ppbv #	54
13) Ethanol	3.59	45	13391	0.946	ppbv #	38
15) Acetone	3.84	43	54388	0.480	ppbv	96
19) Isopropyl Alcohol	3.97	45	3842	0.057	ppbv #	42
20) Methylene Chloride	4.32	84	10961	0.260	ppbv #	82
25) Ethyl Acetate	5.68	43	8240	0.041	ppbv #	83
26) Hexane	5.68	57	15444	0.167	ppbv #	39
39) 1,2-Dichloropropane	7.18	63	568993	8.400	ppbv #	23
53) Toluene	9.82	91	8451	0.047	ppbv #	20

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022620\

Quantitation Report (Not Reviewed)

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CR-104-BRWDL

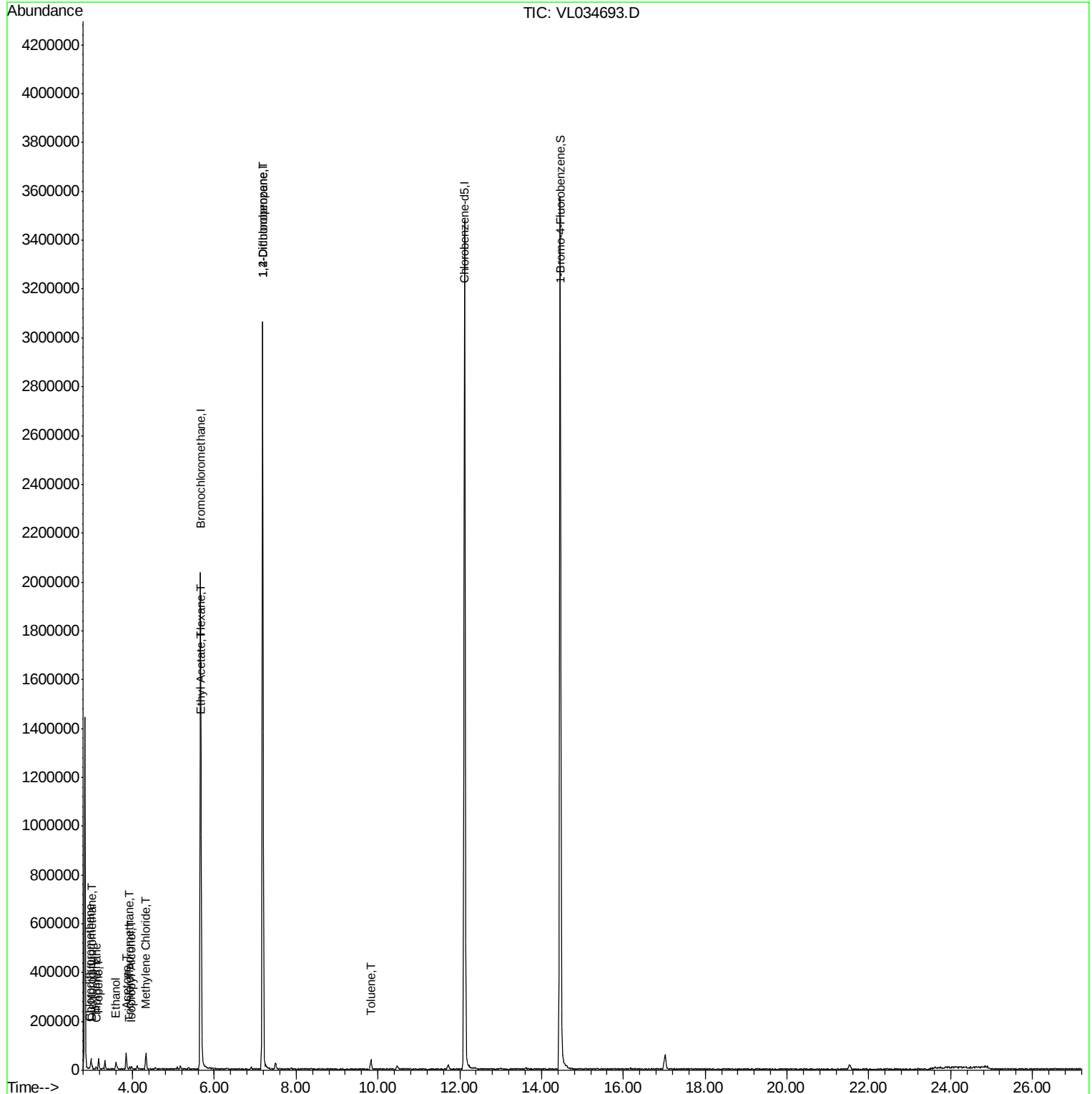
Quant Time: Feb 27 07:29:15 2020

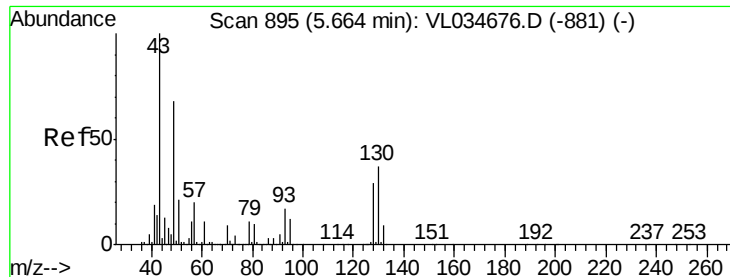
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 26 06:58:15 2020

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

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Instrument :

MSVOA_L

ClientSampleId :

CR-104-BRWDL

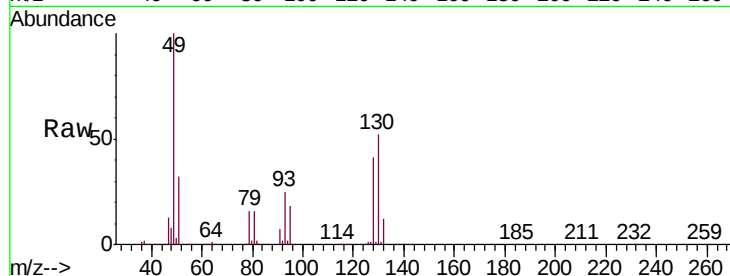
Tgt Ion: 49 Resp: 993616

Ion Ratio Lower Upper

49 100

128 42.8 21.6 65.0

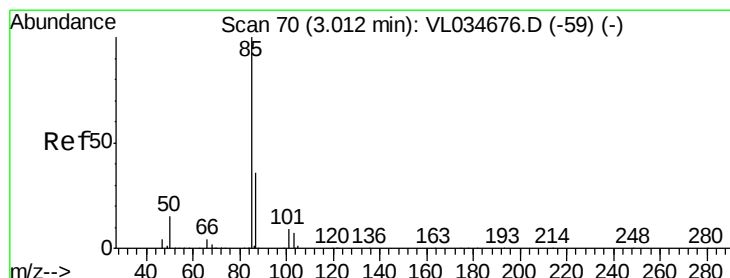
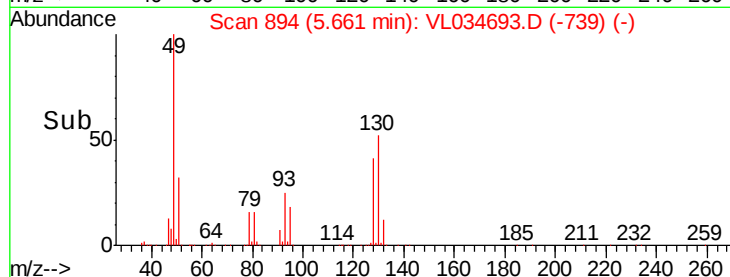
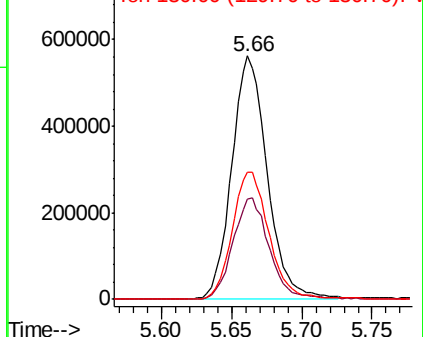
130 54.2 27.7 83.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.039 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

Lab File: VL034693.D

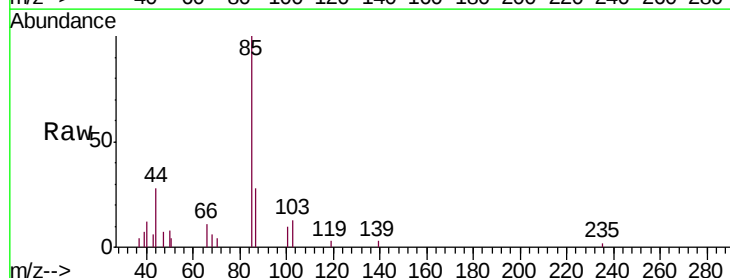
Acq: 26 Feb 2020 18:31

Tgt Ion: 85 Resp: 6082

Ion Ratio Lower Upper

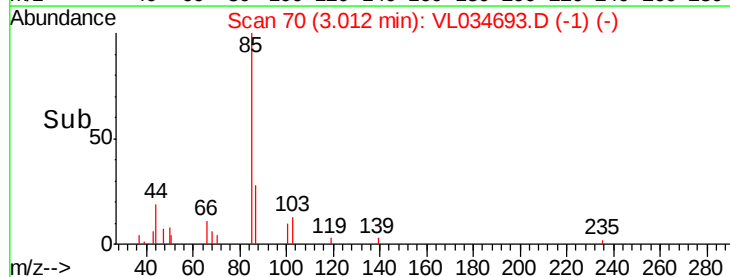
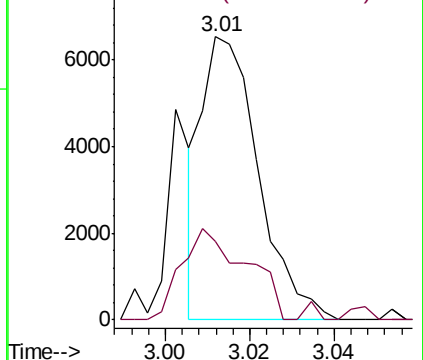
85 100

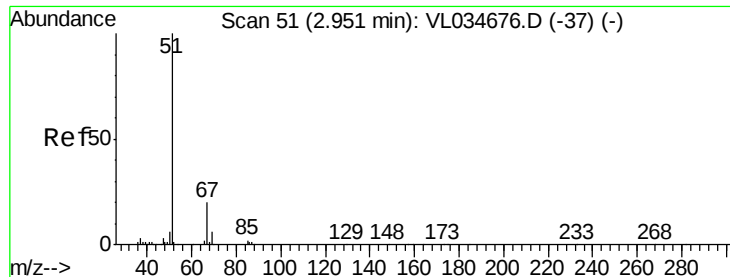
87 27.7 29.2 43.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

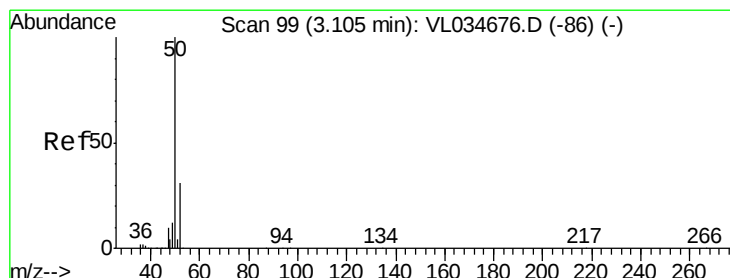
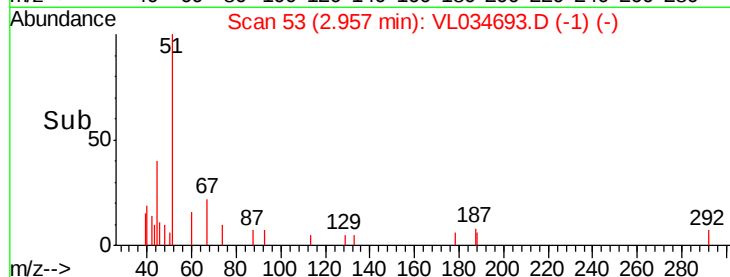
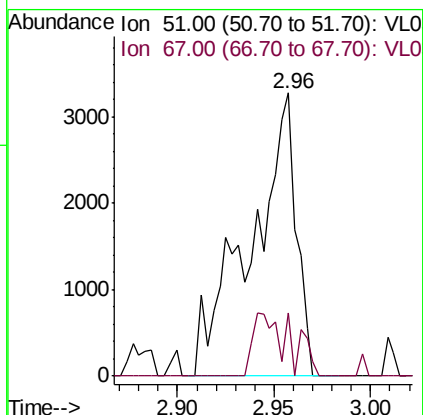
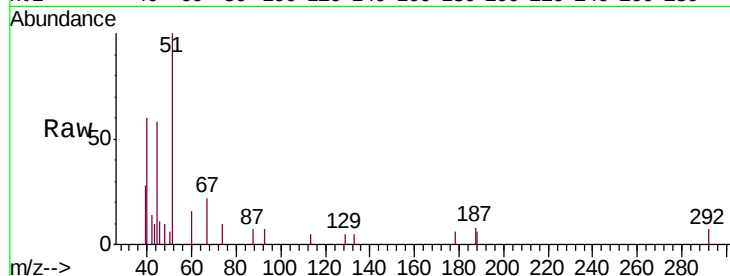




#3
Chlorodifluoromethane
Concen: 0.050 ppbv
RT: 2.96 min Scan# 53
Delta R.T. 0.01 min
Lab File: VL034693.D
Acq: 26 Feb 2020 18:31

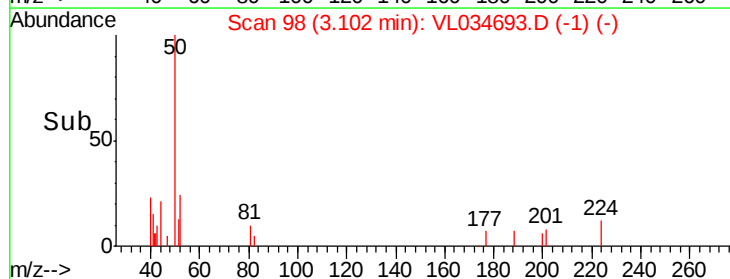
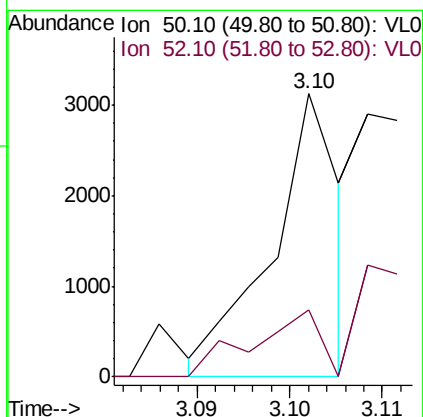
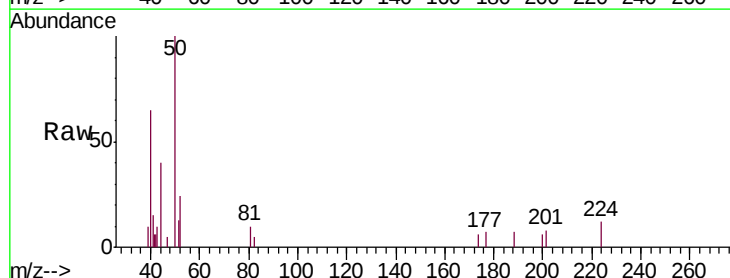
Instrument :
MSVOA_L
ClientSampleId :
CR-104-BRWDL

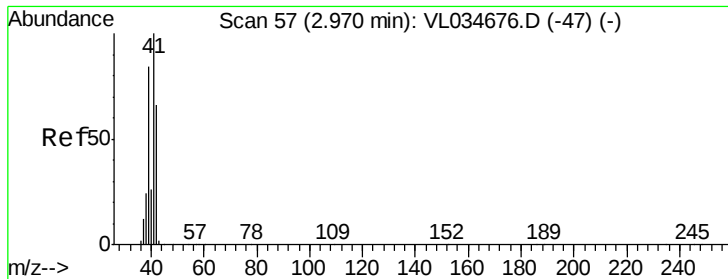
Tgt Ion: 51 Resp: 5322
Ion Ratio Lower Upper
51 100
67 18.3 15.5 23.3



#4
Chloromethane
Concen: 0.026 ppbv
RT: 3.10 min Scan# 98
Delta R.T. -0.00 min
Lab File: VL034693.D
Acq: 26 Feb 2020 18:31

Tgt Ion: 50 Resp: 1578
Ion Ratio Lower Upper
50 100
52 25.2 25.0 37.4





#9

Propene

Concen: 0.284 ppbv

RT: 3.17 min Scan# 118

Delta R.T. 0.20 min

Lab File: VL034693.D

Acq: 26 Feb 2020 18:31

Instrument :

MSVOA_L

ClientSampleId :

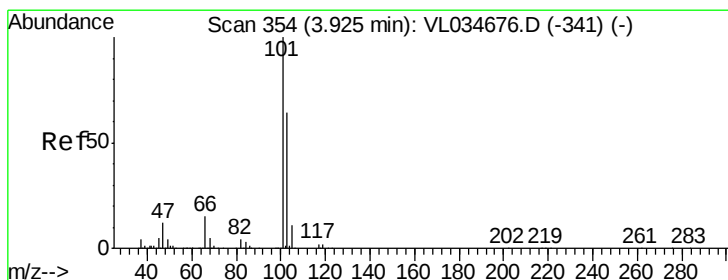
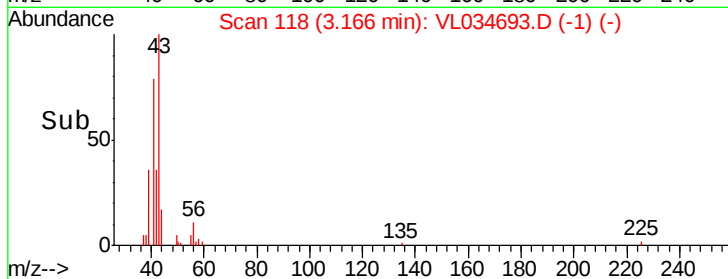
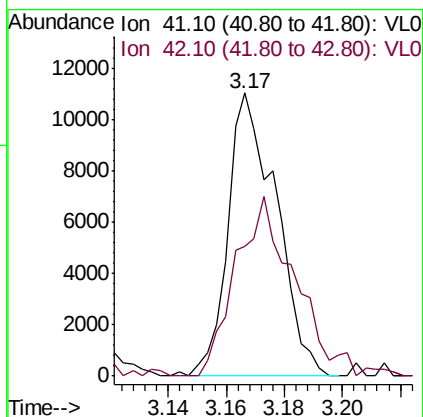
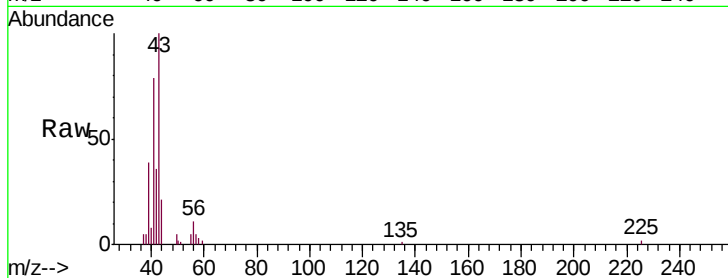
CR-104-BRWDL

Tgt Ion: 41 Resp: 12731

Ion Ratio Lower Upper

41 100

42 79.6 54.9 82.3



#11

Trichlorofluoromethane

Concen: 0.025 ppbv

RT: 3.93 min Scan# 354

Delta R.T. 0.00 min

Lab File: VL034693.D

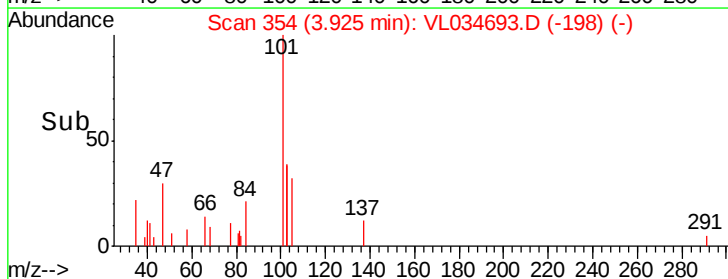
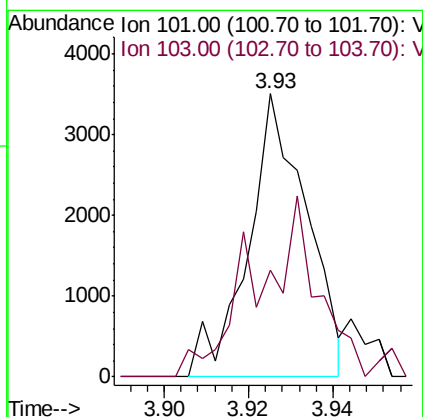
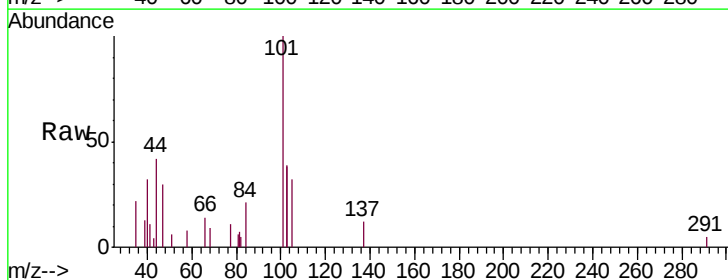
Acq: 26 Feb 2020 18:31

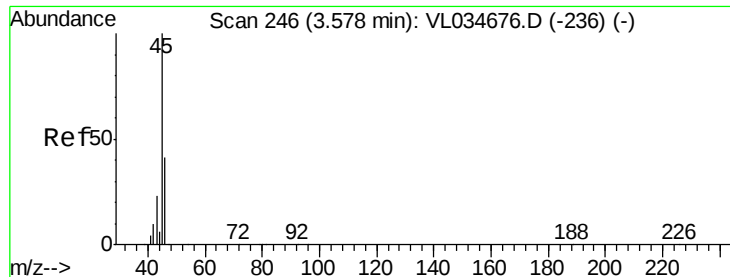
Tgt Ion: 101 Resp: 3378

Ion Ratio Lower Upper

101 100

103 28.0 51.2 76.8#





#13

Ethanol

Concen: 0.946 ppbv

RT: 3.59 min Scan# 250

Delta R.T. 0.01 min

Lab File: VL034693.D

Acq: 26 Feb 2020 18:31

Instrument :

MSVOA_L

ClientSampleId :

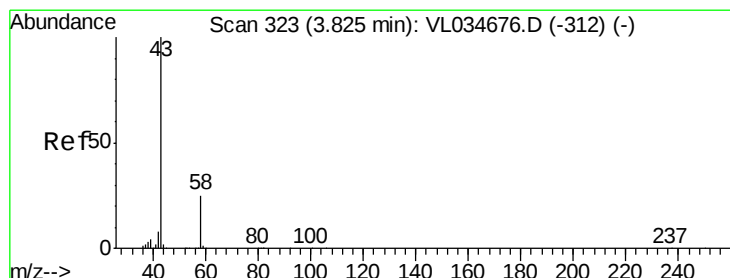
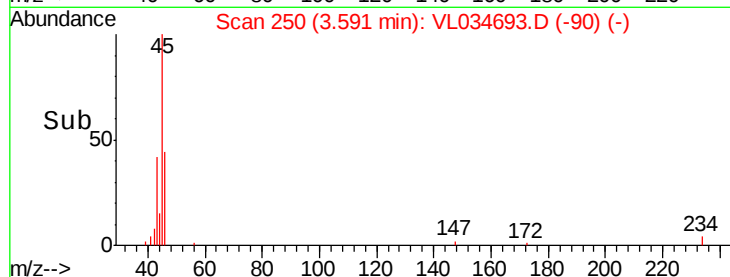
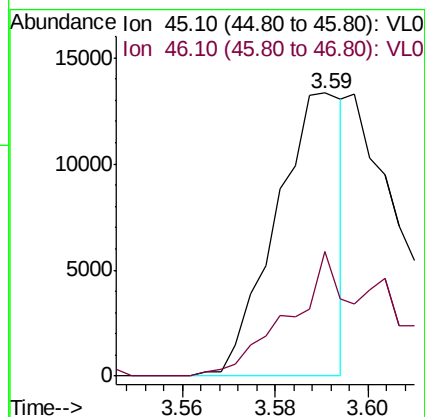
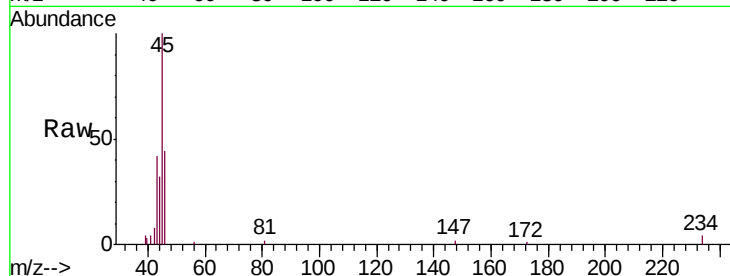
CR-104-BRWDL

Tgt Ion: 45 Resp: 13391

Ion Ratio Lower Upper

45 100

46 76.0 15.4 61.4#



#15

Acetone

Concen: 0.480 ppbv

RT: 3.84 min Scan# 328

Delta R.T. 0.02 min

Lab File: VL034693.D

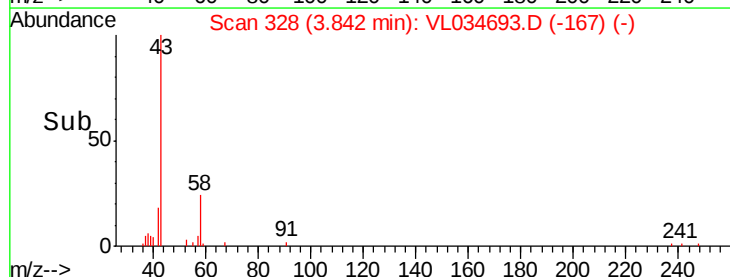
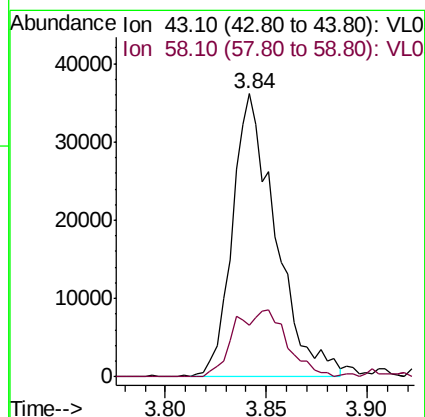
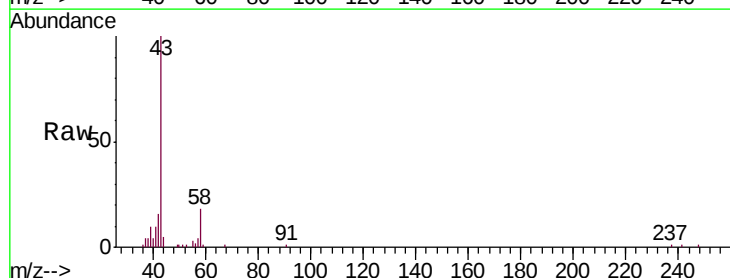
Acq: 26 Feb 2020 18:31

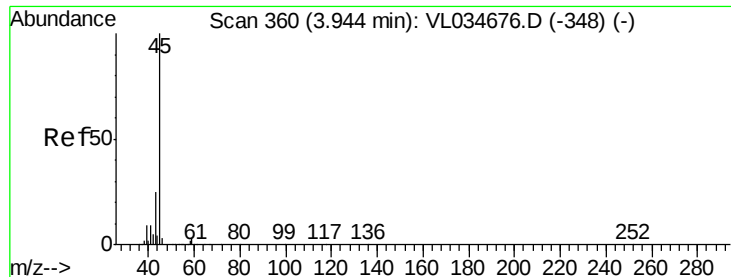
Tgt Ion: 43 Resp: 54388

Ion Ratio Lower Upper

43 100

58 28.7 21.4 32.0





#19

Isopropyl Alcohol

Concen: 0.057 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.03 min

Lab File: VL034693.D

Acq: 26 Feb 2020 18:31

Instrument :

MSVOA_L

ClientSampleId :

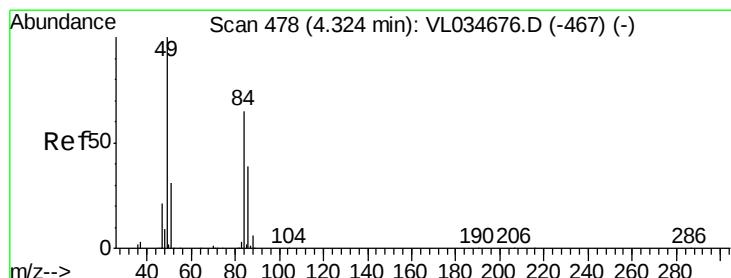
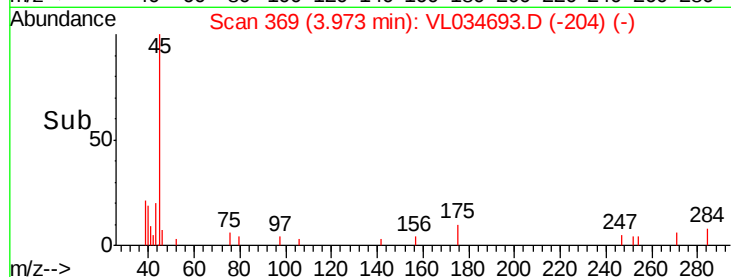
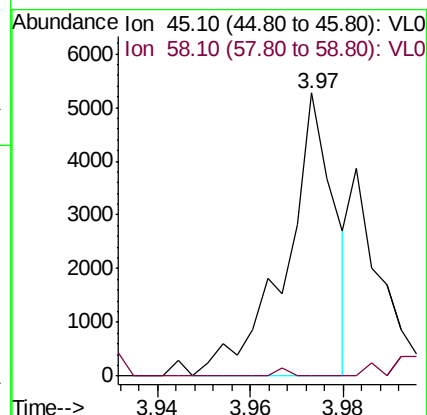
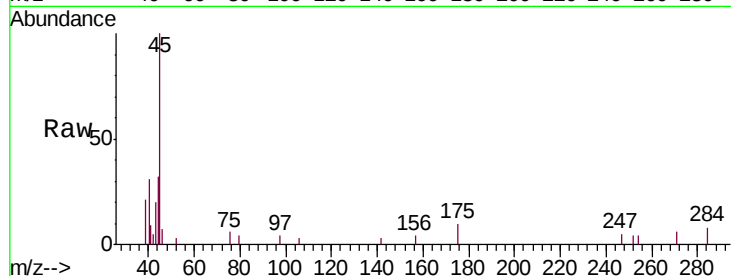
CR-104-BRWDL

Tgt Ion: 45 Resp: 3842

Ion Ratio Lower Upper

45 100

58 22.2 1.8 2.6#



#20

Methylene Chloride

Concen: 0.260 ppbv

RT: 4.32 min Scan# 478

Delta R.T. 0.00 min

Lab File: VL034693.D

Acq: 26 Feb 2020 18:31

Tgt Ion: 84 Resp: 10961

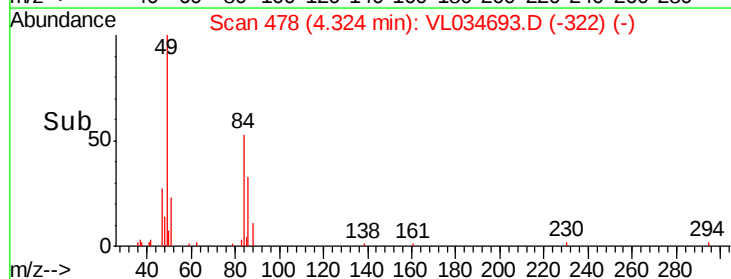
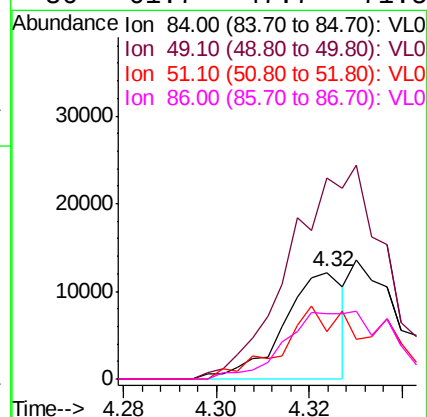
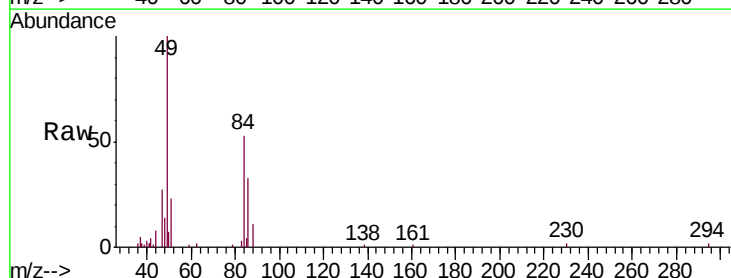
Ion Ratio Lower Upper

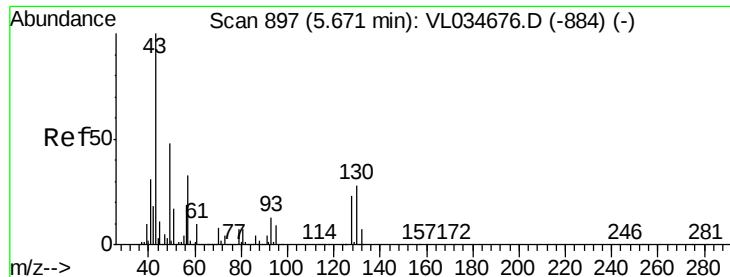
84 100

49 188.3 122.8 184.2#

51 44.1 38.6 58.0

86 61.7 47.7 71.5

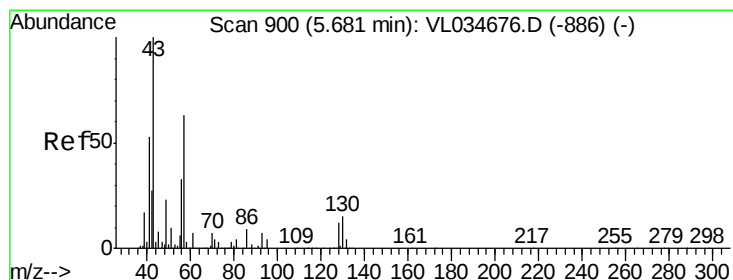
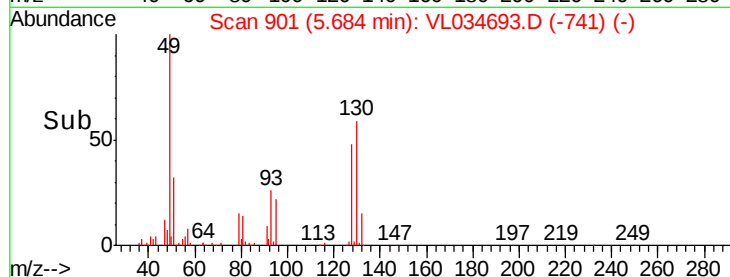
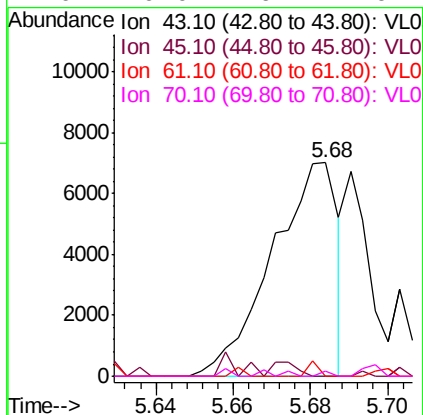
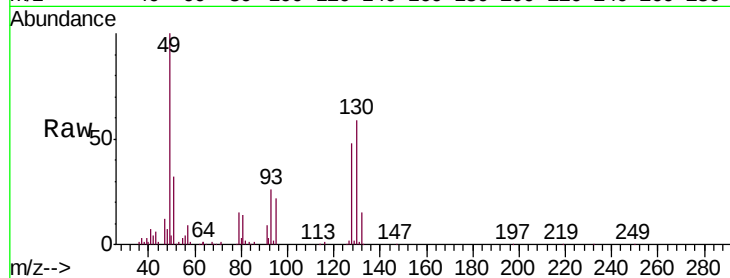




#25
Ethyl Acetate
Concen: 0.041 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL034693.D
Acq: 26 Feb 2020 18:31

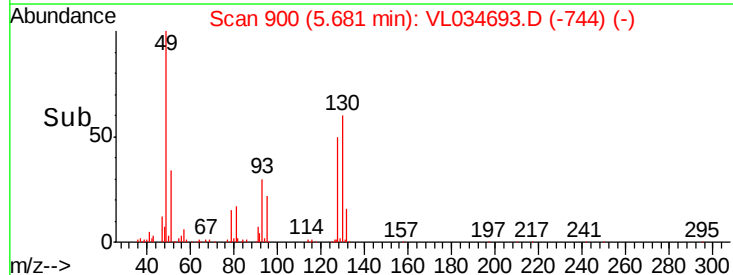
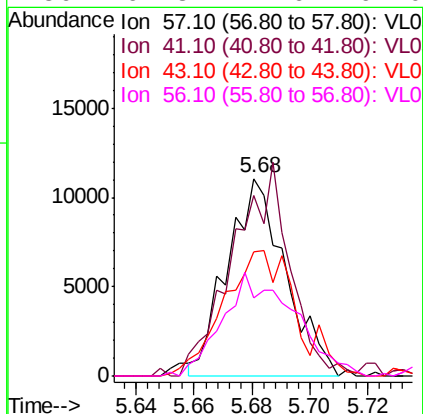
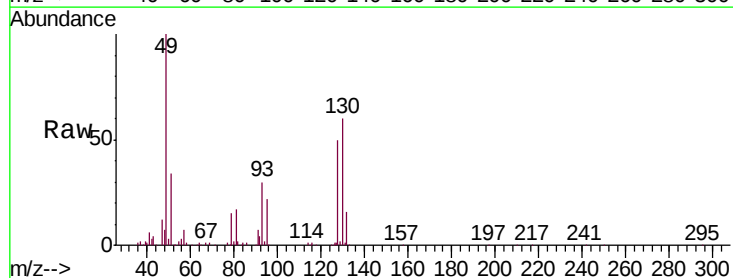
Instrument :
MSVOA_L
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CR-104-BRWDL

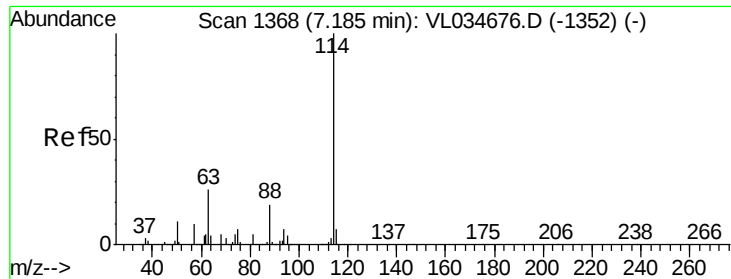
Tgt Ion:	43	Resp:	8240
Ion	Ratio	Lower	Upper
43	100		
45	5.5	8.2	12.4#
61	2.9	7.8	11.6#
70	0.0	6.1	9.1#



#26
Hexane
Concen: 0.167 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.00 min
Lab File: VL034693.D
Acq: 26 Feb 2020 18:31

Tgt Ion:	57	Resp:	15444
Ion	Ratio	Lower	Upper
57	100		
41	109.6	70.3	105.5#
43	80.3	177.0	265.4#
56	64.3	42.6	64.0#

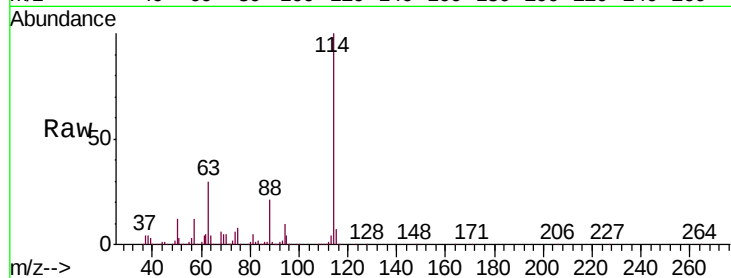




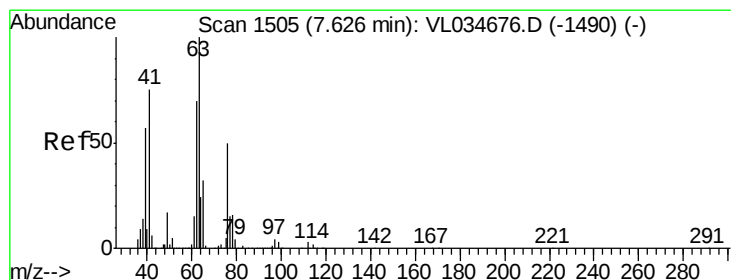
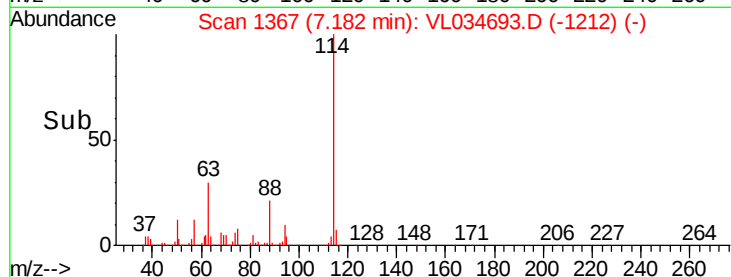
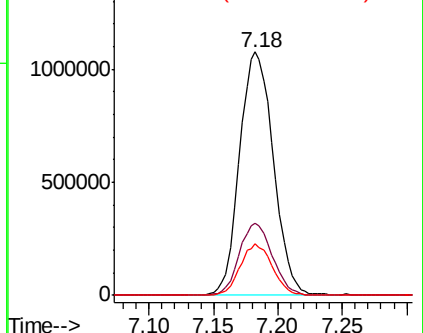
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VL034693.D
 Acq: 26 Feb 2020 18:31

Instrument :
 MSVOA_L
 ClientSampleId :
 CR-104-BRWDL

Tgt Ion: 114 Resp: 1971253
 Ion Ratio Lower Upper
 114 100
 63 29.0 22.9 34.3
 88 20.1 15.8 23.6

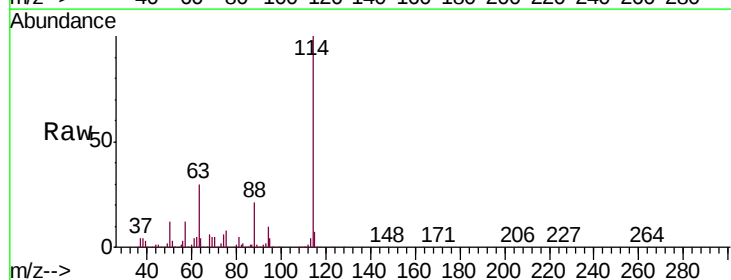


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

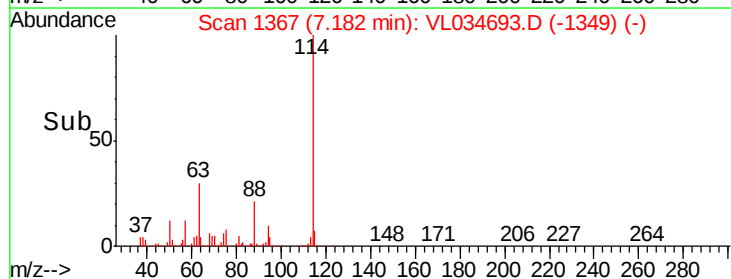
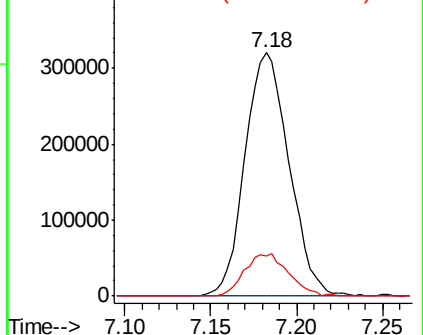


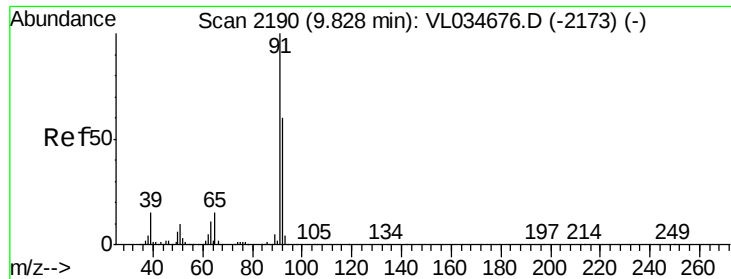
#39
 1,2-Dichloropropane
 Concen: 8.400 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.44 min
 Lab File: VL034693.D
 Acq: 26 Feb 2020 18:31

Tgt Ion: 63 Resp: 568993
 Ion Ratio Lower Upper
 63 100
 41 0.1 60.2 90.4#
 62 16.5 56.3 84.5#



Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0





#53

Toluene

Concen: 0.047 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.01 min

Lab File: VL034693.D

Acq: 26 Feb 2020 18:31

Instrument :

MSVOA_L

ClientSampleId :

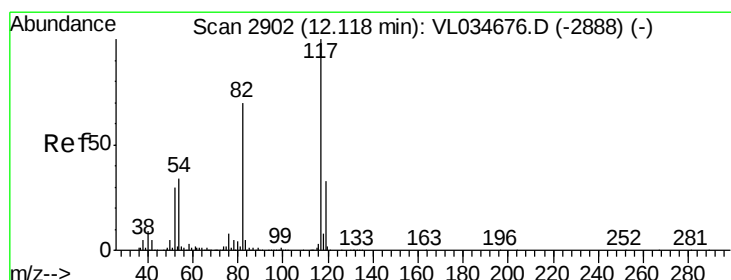
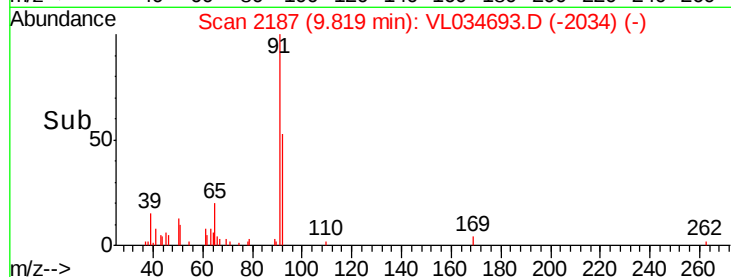
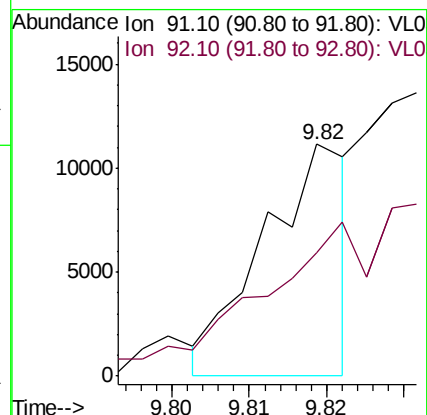
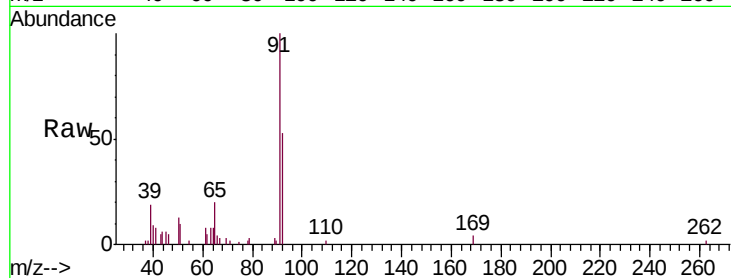
CR-104-BRWDL

Tgt Ion: 91 Resp: 8451

Ion Ratio Lower Upper

91 100

92 0.0 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: VL034693.D

Acq: 26 Feb 2020 18:31

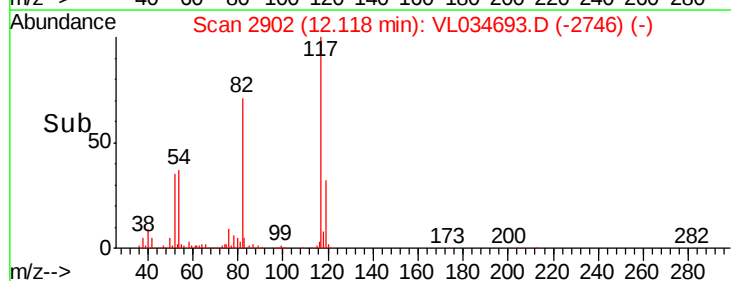
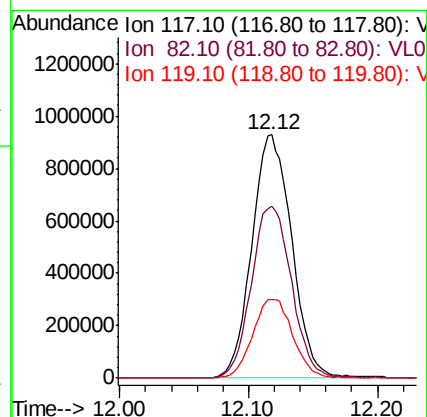
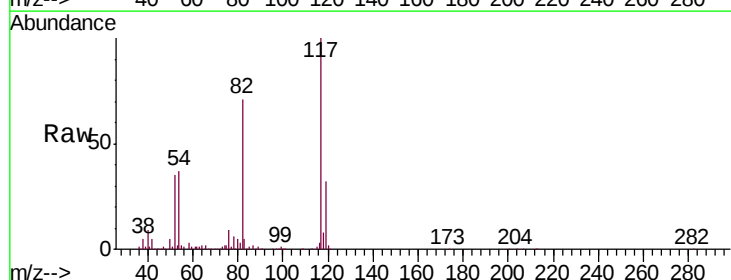
Tgt Ion: 117 Resp: 1997574

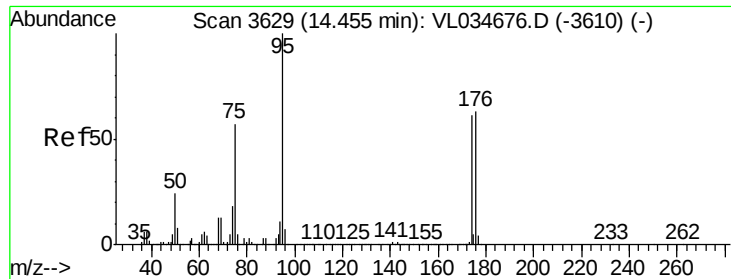
Ion Ratio Lower Upper

117 100

82 71.9 54.1 81.1

119 32.9 27.6 41.4





#68

1-Bromo-4-Fluorobenzene

Concen: 10.397 ppbv

RT: 14.46 min Scan# 3629

Delta R.T. 0.00 min

Lab File: VL034693.D

Acq: 26 Feb 2020 18:31

Instrument :

MSVOA_L

ClientSampleId :

CR-104-BRWDL

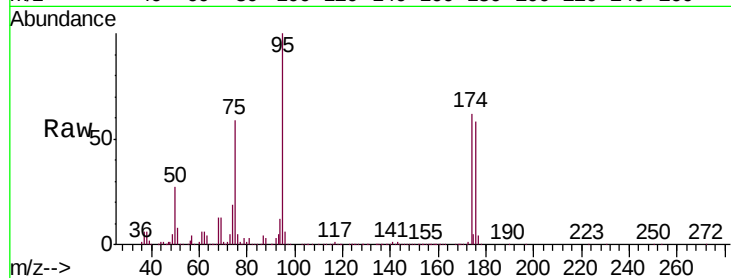
Tgt Ion: 95 Resp: 1702949

Ion Ratio Lower Upper

95 100

174 63.0 50.7 76.1

175 4.7 3.9 5.9



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

